URI, Inc.

A subsidiary of enCore Energy Corp.

Upper Spring Creek ISR Project

PAA1



Application for Production Area Authorization 1

Prepared for:

Texas Commission on
Environmental Quality

Prepared by:

URI, Inc.
641 E FM 1118
Kingsville, TX 78363

New Application – PAA1

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NEW PAA

Texas Commission on Environmental Quality
Application for Production Area Authorization

In-Situ Uranium Mining

I. General Information

A. Type of permit:

Permit Number UR: 03095 (leave blank for initial Area Permit number)

Production Area Authorization Identification: PAA1.

☒ Initial
☐ Major Amendment
☐ Minor Amendment
☐ Minor Modification
☐ Transfer
☐ Endorsement

B. Aquifer Exemption

☐ Application is made for initial designation of an exempted aquifer to include all portions of the production zone planned to contain in-situ uranium mining solutions.

☐ Application is pending Commission and EPA approval for initial designation of an exempted aquifer or amendment of an existing exempted aquifer to include all portions of the production zone planned to contain in-situ uranium mining solutions.

☒ Applicant plans to conduct in-situ uranium mining under an existing designated exempted aquifer. Mine name or site name associated with existing exempted aquifer: Boots/Brown (EPA 6-114)

☐ Application is made for amendment of an existing designated exempted aquifer for planned in-situ uranium mining. Mine name or site name associated with existing exempted aquifer: _____

Specification of existing or requested exempted aquifer:
Aquifer or Formation Name: Oakville
Depth (feet above/below mean sea level): 100 ft (msl)/-300 ft (msl)
Area acres: 1025.3
See figure I-1

C. Groundwater Conservation District (GCD) Information

GCD Name: Live Oak Underground Water Conservation District
Address: 3460A Hwy 281
City, State and Zip: George West, TX 78022
E-mail: louwcd@yahoo.com

Address: 3460A Hwy 281
City, State and Zip: George West, TX 78022
E-mail: louwcd@yahoo.com
Telephone Number: 361-449-7017

D. Applicant (Individual, Corporation or Other Legal Entity Name): URI, Inc.

Address (Permanent Mailing Address): 641 E. FM 1118
City, State and Zip: Kingsville, TX 78363
Telephone Number: 361-239-5449

Mine Name: Upper Spring Creek ISR Project County: Live Oak
Mine Mailing Address (if available): 216 CR 135, George West, TX 78022

Ownership Status: _____

Check one: ☐ Federal ☐ State ☒ Private ☐ Other Entity

If the application is submitted on behalf of a corporation or partnership, please identify the Charter Filing Number as recorded with the Office of the Secretary of State for Texas.

(Charter Filing Number) 0007495706

If the application is submitted by a person residing out of state or is submitted by a corporation or partnership, the applicant must name the Agent in Service or Agent of Service who is registered with the Texas Secretary of State's office and provide a complete mailing address for the agent. The agent must be a Texas resident.

Agent: United Agent Group Inc

Address : (Permanent Mailing Address) 5444 Westheimer #1000
City, State and Zip: Houston, TX 77056
Telephone Number: 800-672-9110

Indicate the ownership status of the facility:

Private:

- ☒ Corporation
- ☐ Partnership
- ☐ Proprietorship
- ☐ Nonprofit organization

Public:

- ☐ Military
- ☐ State
- ☐ Regional
- ☐ County
- ☐ Municipal
- ☐ Federal

Other (specify): _____

E. List those persons or firms authorized to act for the applicant during the processing of the application. Also indicate the capacity in which each person may represent the applicant (engineering, geology, legal, etc.). The person listed first will be the primary recipient of correspondence regarding this application. Include the complete mailing addresses and phone numbers.

Derrell Ezell, Permitting and Regulatory Affairs Manager

EnCore Energy
101 N. Shoreline Blvd. Suite 560
Corpus Christi, TX 78401
361-239-5449

Dain McCoig, Senior Vice President of Operations
EnCore Energy
101 N. Shoreline Blvd. Suite 560
Corpus Christi, TX 78401
361-239-5449

Rob Willette, Acting Chief Executive Officer/Chief Legal Officer
EnCore Energy
101 N. Shoreline Blvd. Suite 560
Corpus Christi, TX 78401
361-239-5449

F. Specify the individual who will be responsible for causing notice to be published in the newspaper. Include the complete mailing address, telephone number, and fax number. Please provide an e-mail address as well, if available [30 TAC §39.405(f)(2)].

Derrell Ezell, Permitting and Regulatory Affairs Manager
101 N. Shoreline Blvd. Suite 560
Corpus Christi, TX 78401
361-239-5449
dezell@encoreuranium.com

G. For applications of initial and major amendments a copy of the administratively complete application must be made available at a public place in the county where the facility is located or proposed to be located for review and copying by the public. Identify the public place in the county (e.g. public library, county court house, city hall), including the address, where the application will be located.

Live Oak County Library
402 Houston St.
George West, TX 78022

H. If application is for amendment, modification, transfer, or endorsement to an existing authorization(s), please describe all requested authorization changes and the reasons for the request.

Not applicable for initial application**.**

I. History of Authorization Actions and Application Revisions

For amendment, modification, transfer, or endorsement of a Class III Area Permit and/or PAA, information is needed to confirm the history of actions and revisions to the most recent complete application. For the time period since submittal of the most recent complete application (i.e., an application for a new well or renewal of an existing well), provide the following information:

1. A list of permit actions (major and minor amendments, minor modifications, endorsements, etc.), including dates, that have been issued by the TCEQ since the date of issuance of a new authorization or the most recent authorization renewal; and

   There have been no new permit actions since the most recent authorization.

2. A list of submittal dates for the following activities that revised the application: Responses to Notices of Deficiency, major or minor amendment applications, minor modification requests, requests for transfers, or endorsements, and any addenda or supplementary information that has been submitted in connection with a permitting action.

Action	Date
ANoD Revision 1 to UR03095 Class III Permit Application	January 20, 2023
TNoD Revision 2 to UR03095 Class III Permit Application	April 26, 2023
TNoD Revision 1 UR 02880PAA5	May 24, 2023
TNoD Revision 2 UR 02880PAA5	June 16, 2023
TNoD Revision 3 to UR03095 Class III Permit Application	August 8, 2023
ANoD Revision 1 WDW-467 & WDW-468	December 28, 2023
TNoD Revision 2 WDW-467 & WDW-468	April 2, 2024
TNoD Revision 3 WDW-467 & WDW-468	December 6, 2024

J. Applicant Compliance History

K. The TCEQ will utilize compliance history when making decisions regarding the issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit. Violations included in a criminal conviction are considered when evaluating and classifying the site's compliance history.

For the five years preceding the filing date of this application, please submit a complete listing of all criminal convictions (i.e., State or Federal) of the owner, operator or applicant in which a violation of environmental law was an element of the crime [30 TAC §60.2(d)(1)(E) and §60.2(d)(2)(F)]. If there have been no such convictions then the application should state in a separate sentence for the owner applicant and operator the following:

"In the five years preceding the filing of this application, the (applicant, owner, or operator respectively) URI, Inc. has not been convicted of a State or Federal crime in which a violation of environmental law was an element of the crime."

L. TCEQ Core Data Form

The TCEQ requires that a Core Data Form (Form 10400) be submitted "Attachment A" on all incoming applications unless a Regulated Entity and Customer Reference Number have been issued by the TCEQ and no core data information has changed. If no core data information has changed and the TCEQ has issued a RN and CN for your facility, please state these numbers.

For more information, refer to the Core Data Form[2] on the TCEQ website or call (512) 239-5175. RN107198227 CN600604417

M. For applications regarding new and major amendments a copy of the administratively complete application must be made available at a public place in the county where the facility is located or proposed to be located for review and copying by the public. Identify the public place in the county (e.g., public library, county court house, city hall), including the address, where the application will be located.

Live Oak County Library
402 Houston St.
George West, TX 78022

[2] http://www.tceq.texas.gov/permitting/central_registry/guidance.html

Production Area Authorization Application

Signature Page

I, Dain McCoig, Chief Operations Officer, URI, INC., certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations

Signature _____, Date 9/18/25

See 30 TAC §305.44 for who must sign.

To Be Completed By the Applicant If the Application Is Signed

By an Agent for the Applicant

I (Signatory Name) _____ (Title) _____
(Company) _____ hereby designate (Agent Name and/or Title) _____ as my agent and hereby authorize said agent to sign any application, submit additional information as may be requested by the Commission, and/or appear for me at any hearing or before the Texas Commission on Environmental Quality in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my agent in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Signature _____, Date _____

(Note: Application Must Bear Signature and Seal of Notary Public)

SUBSCRIBED AND SWORN to before me by the said DAIN McCOIG

on this 18th day of AUGUST, 2025

My commission expires on the 10th day of OCTOBER, 2027,

Notary Public

BECKHAM J. FIELDS
Notary Public, State of Texas
Comm. Expires 10-02-2027
Notary ID 126191814

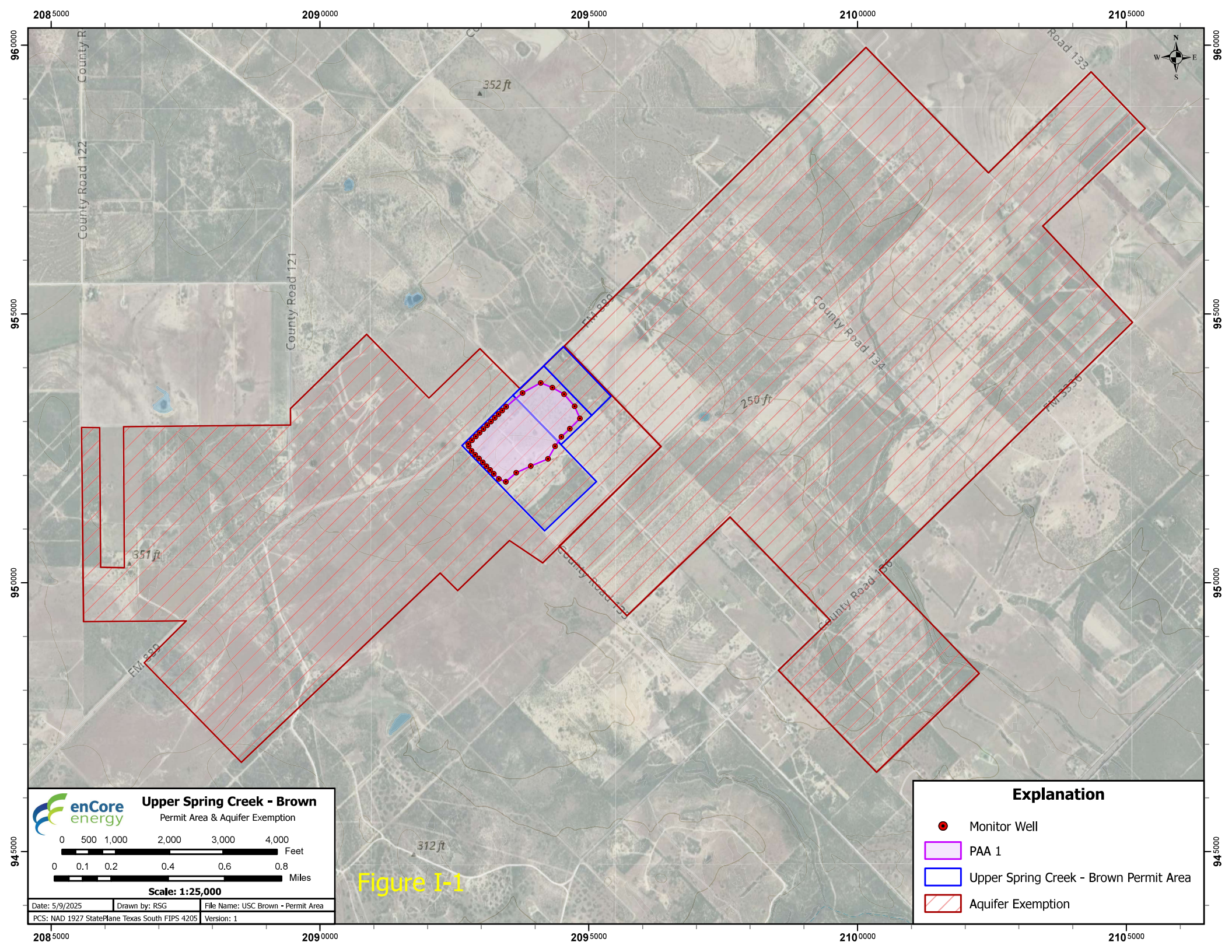

208 5000
209 0000
209 5000
210 0000
210 5000
96 0000
95 5000
95 0000
94 5000
County Road 122
County Road 121
County Road 134
Road 133
FM 888
FM 3536
352 ft
351 ft
250 ft
312 ft
N
S
E
W
enCore energy
Upper Spring Creek - Brown
Permit Area & Aquifer Exemption
0 500 1,000 2,000 3,000 4,000 Feet
0 0.1 0.2 0.4 0.6 0.8 Miles
Scale: 1:25,000
Date: 5/9/2025
Drawn by: RSG
File Name: USC Brown - Permit Area
PCS: NAD 1927 StatePlane Texas South FIPS 4205
Version: 1
Explanation
Monitor Well
PAA 1
Upper Spring Creek - Brown Permit Area
Aquifer Exemption

Figure I-1

Attachment A
TCEQ Core Data Form

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☒ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600604417		**RN 107198277**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

URI, Inc.

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0007495706	17522021876	752202187	

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees

☐ 0-20 ☒ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☐ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:

101 N Shoreline Blvd
Suite 560

City	Corpus Christi	**State**	TX	**ZIP**	78401	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(361) 239-5449		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Upper Spring Creek- ISR Project

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	216 County Road 135							
	City	George West	**State**	TX	**ZIP**	78022	**ZIP + 4**	
24. County								

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	The Upper Spring Creek In-Situ Uranium Mine is in Live Oak County approximately 6 miles southwest of George West, TX. The site is accessible off of CR 135, east of the intersection of FM 889 and CR 135.				
26. Nearest City			**State**	**Nearest ZIP Code**	
George West			TX	78022	

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	28.28610		**28. Longitude (W) In Decimal:**	98.20745	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
1094			

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Uranium mining in-situ recovery process

34. Mailing Address:	**641 E. FM 1118**							
	City	**Kingsville**	**State**	**TX**	**ZIP**	**78363**	**ZIP + 4**	
35. E-Mail Address:								

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(361) 239-5449		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Derrell Ezell	**41. Title:**	Permitting & Regulatory Affairs Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(361) 239-5449		( ) -	dezell@encoreuranium.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	URI, Inc.	**Job Title:**	Permitting & Regulatory Affairs Manager
Name *(In Print):*	Derrell Ezell	**Phone:**	(361) 239- **5449**
Signature:		**Date:**	5/23/2025

Attachment N

Permit UR03095PAA1
Plain Language Summary

URI, Inc., a subsidiary of enCore Energy US Corporation, has submitted a production authorization area (PAA) application for its existing Area Permit to conduct mining operations under the TCEQ Underground Injection Control Program. The mining operation will produce a uranium product (also known as yellowcake) that is subsequently used for generation of clean carbon free electricity by nuclear power plants. The Upper Spring Creek Project is in Live Oak County approximately 6 miles southwest of George West. The site is accessible off CR 135, east of the intersection of FM 889 and CR 135.

The PAA will establish an area within the boundaries of the existing approved Area Permit from where the applicant will be able to perform in-situ mining and groundwater restoration operations.

The facilities will comprise of a wellfield consisting of PVC cased water wells where the naturally occurring groundwater with added oxygen, carbon dioxide and/or baking soda is circulated through the orebody and removed using the water wells and pumped to an ion exchange facility where the recovered minerals are removed from the water prior to the water being recirculated back to the wellfield for additional mineral recovery. The ion exchange process works basically in the same way as a household water softener system works.

The ion exchange resin containing the recovered minerals will be transferred to a licensed facility for uranium removal and further processing of the uranium into the final product commonly known as "yellowcake." Following uranium removal, the regenerated ion exchange system resin will be transferred back to the Upper Spring Creek location for further uranium recovery.

Following completion of mining, the facility conducts groundwater restoration utilizing various restoration techniques including reverse osmosis treatment of groundwater. The restoration process will continue until groundwater quality is consistent with permit conditions.

Expected air emissions include fugitive dust and vehicle exhaust, possible oxygen and carbon dioxide and radon gas from the wellfields. There are no routine surface water-related discharges from the Project. Groundwater used during operation of the Project would be

confined to the portions of the ore zone within the aquifer exemption boundary; therefore, no impacts to groundwater outside the aquifer exemption area are anticipated from normal operations.

Liquid effluents associated with the Project are disposed of in TCEQ permitted waste disposal wells. Mine water is contained within wellfields by withdrawing more water than is injected. This is verified by measuring water quality in monitor wells installed around each wellfield two times per month. Pipeline pressures are monitored, and pumps will automatically shut down if the pressure suddenly increases or decreases. The ion exchange facility is curbed to contain any potential spills or leaks. Personnel performing uranium recovery activities are rigorously trained in the safe operation of the facility to minimize the potential for upset conditions to occur.

URI maintains a robust health physics and environmental monitoring program to ensure that the Project does not have an adverse impact on human health, the public or the environment. Records for each of these programs are maintained by URI and reported to TCEQ as necessary. During uranium recovery operations, the groundwater containing uranium and radon gas is kept in a pressurized system, such that radon gas is not released. During certain uranium processing steps, small amounts of radon gas may be released to the atmosphere. URI monitors radon concentrations during operations to ensure employee health and safety and to confirm any radon emissions comply with TCEQ requirements.

Attachment B
Information Required to Provide Notice

II. Information Required To Provide Notice

Submit as "Attachment B" the following lists of landowners and mineral owners, cross-referenced to a map (See Figure 1 for examples). In accordance with 30 TAC §39.405(b), please also submit this mailing list electronically, in Microsoft Word. The electronic list must contain only the name, mailing address, city, state, and zip code with no reference to the lot number or lot location. The list should contain up to 30 names, addresses, etc. (10 per column) per page. Each name and address must be typed in the format that meets the United States Postal Service (USPS) requirements for machine readability. The letters in the name and address must be capitalized, contain no punctuation, and the two-character abbreviation must be used for the state. Contact the USPS for further instructions on formatting addresses for machine readability.

Alternatively, the applicant may elect to submit pre-printed mailing labels of this mailing list with the application. If you wish to provide the list on printed labels, please use sheets of labels that have up to 30 labels to a page (10 labels per column). Please provide **four complete sets of labels** of the adjacent landowners and mineral owners list.

Mailing list provided on included flash drive.

A. Identify and provide a complete mailing address for all landowners of tracts of land adjacent to the proposed production area and other nearby landowners who might consider themselves affected by the activities described in the application.

See Attachment B

B. Identify and provide a complete mailing address for all persons who own mineral rights underlying the existing or proposed production area and underlying the tracts of land adjacent to the property on which the existing or proposed production area is or will be located as required by 30 TAC §39.653. If the name(s) submitted represents less than 100% mineral ownership, specify the total percentage owned by all persons identified.

See Attachment B

C. If the adjacent property ownership or mineral right ownership lists show the State of Texas to be an adjacent landowner and/or mineral rights owner underlying the specified area, as defined by 30 TAC §331.2, your application may affect lands dedicated to the permanent school fund. Refer to TWC §5.115(c). To determine whether lands dedicated to the permanent school fund are affected, you may submit a request which includes the property location to the General Land Office at the following address:

General Land Office
Asset Enhancement Division
Stephen F Austin Building
1700 N Congress
Austin Texas 78701

If it is determined that your application may affect lands dedicated to the permanent school fund, your application must include the following information:

1. state the location of the permanent school fund land to be affected; and
2. describe any foreseeable impact or effect of the proposed permitted action on permanent school fund land.

A formal action or ruling by the Commission on an application affecting permanent school fund land that is made without the notice required by the

A formal action or ruling by the Commission on an application affecting permanent school fund land that is made without the notice required by the above-referenced rule is voidable by the School Land Board as to any permanent school fund lands affected by the action or ruling [Texas Water Code §5.115(g)].

D. Provide the name and mailing address of the mayor and health authority of the municipality in whose territorial limits or extraterritorial jurisdiction the well is or will be located, and also the county judge and the health authority of the county in which the facility is located [30 TAC §§39.653 and 39.413(12)].

The USC-Brown site does not lie within the territorial boundaries of any incorporated municipality.

County of Live Oak *County Judge:*
Honorable James Liska
PO Box 487
George West, TX 78022
P: 361-449-2773 F: 361-449-3155

Health Authority:
Allen Crowler
PO Box 670
George West, TX 78022-0670
P: 361-449-2733

E. Bilingual Notice Instructions. For certain permit applications, public notice in an alternate language is required. If an elementary school or middle school nearest to the facility offers a bilingual program, notice may be required to be published in an alternative language. The Texas Education Code, upon which the TCEQ alternative language notice requirements are based, requires a bilingual education program for an entire school district should the requisite alternative language speaking student population exist. However, there may not be any bilingual-speaking students at a particular school within a district which is required to offer the bilingual education program. For this reason, the requirement to publish notice in an alternative language is triggered if the nearest elementary or middle school, as part of a larger school district, is required to make a bilingual education program available to qualifying students and either the school has students enrolled at such a program on-site, or has students who attend such a program at another location to satisfy the school's obligation to provide such a program [30 TAC §39.405(h)].

Bilingual notice confirmation for this application:

1. Is the school district of the elementary or middle school nearest to the facility required by the Texas Education Code to have a bilingual program?

☐ Yes
☒ No

(If **no**, alternative language notice publication not required)

3. If **yes** to question 1, are there students enrolled at either the elementary school or the middle school nearest to the facility who attend a bilingual education program at another location?

☐ Yes
☐ No

(If **yes** to questions 1 and 3, alternative language publication is required; If **no** to question 3, then consider the next question)

4. If **yes** to question 1, has the elementary school or the middle school nearest to the facility been granted an exception from this requirement, as available under 19 TAC §89.1207(a)?

☐ Yes
☐ No

(If **yes** to questions 1 and 4, alternative language publication is required; If **no** to question 4, alternative language notice publication not required)

5. Provide the alternative language for which the bilingual education program(s) is provided or which an exception has been approved. _____

Statement on Bilingual Education Program

In an e-mail chain dated April 2 to April 3, 2025 with Mrs. Taylor Younts, Secretary to the Superintendent, George West Independent School District, it was confirmed that the School District does not have a state required bilingual education program for Elementary or Middle School/Junior High students. As George West ISD is the nearest school district to the project site, bilingual notice is not required.

ATTACHMENT B
NOTICE INFORMATION

Surface Owners

Surface Owner	Map Location
URI, Inc. 101 N. Shoreline Blvd., Ste 450 Corpus Christi, TX 78401	1
URI, Inc. 101 N. Shoreline Blvd., Ste 450 Corpus Christi, TX 78401	2
Eslabon Ranch LTD 3500 Hampton Rd. Austin, TX 78705	3
URI, Inc. 101 N. Shoreline Blvd., Ste 450 Corpus Christi, TX 78401	4
Cynthia R. Houdman PO Box 179 George West, TX 78022	5
John P. Ybanez 5623 Timber Trace San Antonio, TX 78250	6
Elmira McNeil 1201 Arlington St., Apt 402 Alice, TX 78332	7
Terry and Joyce Stewart 740 FM 889 George West, TX 78022	8

Surface Owners

Surface Owner	Map Location
Terry and Joyce Stewart 740 FM 889 George West, TX 78022	9
Eslabon Ranch LTD 3500 Hampton Rd. Austin, TX 78705	10
Andrew Hatmaker 1250 Brentwood Drive Corpus Christi, TX 78404	11
Dina Davidson PO Box 155 George West, TX 78022	12
Diana Marie Chapa 10510 Jarratt Road Atascosa, TX 78002	13
Roel Chapa PO Box 669 George West, TX 78022	14
James and Stephanie Hines PO Box 77 Norman, OK 78022	15
South Texas Electric Cooperative, Inc. PO Box 119 Nursery, TX 77976	16
State of Texas General Land Office 1700 Congress Avenue Austin, TX 78701	17 (State Highway FM 889)

Mineral Owners

Mineral Owner	Map Location
URI, Inc. 101 N. Shoreline Blvd., Ste 450 Corpus Christi, TX 78401	1
Gary D Giebel 6030 Calle Pico Gemelo Las Cruces, NM 88012	2
Clara Giebel Wallin 1703 Summit View Pl, APT C Austin, TX 78703	2
Doris Giebel Burns 111 Thiele Rd Lorena, TX 76655	2
Mary Giebel Crain 177 Clark Drive China Springs, TX 76633	2
Eslabon Ranch LTD 3500 Hampton Rd. Austin, TX 78705	3
William Joe Whitley 245 County Road 402 Three Rivers, TX 78071	3
Mervin Joe Whitley 113 Lolly Drive Sandia , TX 78383	3
Betty Joe Gallagher 1020 FM 1540 Sandia , TX 78383	3

Mineral Owners

Mineral Owner	Map Location
Betty Jane MCCoun PO Box 157 George West, TX 78022	3
Carloline M. Whitley 7125 Highway 646 S Sante Fe, TX 77510	3
Jerry Whitley 1445 Whitley Lane Vale, OR 97918	3
Deanna Everett 1090 Austin Ave. Idaho Falls, ID 83404	3
Ray D. Whitley 1606 SW 2nd Ave Fruitland, ID 83619	3
URI, Inc. 101 N. Shoreline Blvd., Ste 450 Corpus Christi, TX 78401	4
Cynthia R. Houdman PO Box 179 George West, TX 78022	5
Houdman LP 2006 HWY 59 George West, TX 78022	5
Diane Sue Houdman Giesler PO Box 1603 George West, TX 78022	5

Mineral Owners

Mineral Owner	Map Location
Billana Holdings, LP 2006 HWY 59 George West, TX 78022	5
Sharon Kay Banta 10321 Glasco Drive Yukon, OK 73099	5
Jesse Leo Beane, Jr. 529 CR 483 Blessing, TX 77419	5
Alma Lorelle Bradshaw 12918 Dkara Drive Houston, TX 77056	5
Ettie Lavene Bradshaw 2410 Tuttle Street Rock Island , TX 77470	5
Arlyn C. Houdman 250 Live Oak Beevile, TX 78102	5
Ronald K. Houdman 3608 Tiffany Drive Moore, OK 73160	5
Edna M. Kellner 8293 CR 311 D'Hanis, TX 78850	5
Charles H. Wilson PO Box 1444 George West, TX 78022	5

Mineral Owners

Mineral Owner	Map Location
Helen R. Naumann 3420 Mount Vernon St., #7 Houston, TX 77006	5
Healn M. Naumann, Trustee 1214 Longledge Drive Seabrook, TX 77586	5
John P. Ybanez 5623 Timber Trace San Antonio, TX 78250	6
Harris A. Kaffie Minerals, Ltd 4101 Benedict Lane Austin, TX 78746	7
HC Kaffie, LLC PO Box 2967 Corpus Christi, TX 78403	7
Frances L. Lee PO Box 108 George West, TX 78022	7
Wyatt Thomas Norman 1330 Airline Road Corpus Christi, TX 78412	7
Kevin Bliss Norman 4501 Blacksmith Cove Spicewood, TX 78669	7
Terry and Joyce Stewart 740 FM 889 George West, TX 78022	8

Mineral Owners

Mineral Owner	Map Location
Doris Nell Green 1307 Heights Drive Stone Mountain, GA 30083	8
Tommy G. Wojtasczyk PO Box 946 George West, TX 78022	8
Patricia Perkins Crocker PO Box 1201 George West, TX 78022	8
Preston Rutledge Perkins 478 CR 101 George West, TX 78022	8
Mary West Traylor Box 39 Carrizo Springs, TX 78834	8
Shelly Ray Sprott Arrington 701 Avenue G Marble Falls, TX 78654	8
Shannon Elizabeth Sprott Cline 1342 Elm Pass Road Bandera, TX 78003	8
Milton Vance West 105 W. Wildinn Drive Alvin, TX 77511	8
Dorothy E. West Trust PO Box 5275 Victoria, TX 77903	8

Mineral Owners

Mineral Owner	Map Location
Albert West III Family Mineral Trust 302 Pearl Parkway South #3205 San Antonio, TX 78215	8
Albert Kirk McClelland Trust 502 Arcadia Place San Antonio, TX 78209	8
McNamee Asset Trust 223 Harrison Ave San Antonio, TX 78209	8
Elizabeth McClelland Barnes 21 Auburn Place San Antonio, TX 78209	8
Priscilla Tobin McClelland Tate 203 Ridgemont Ave. San Antonio, TX 78209	8
Mary Vance McClelland Bohls Marital Trust B PO Box 2424 Boerne, TX 78006	8
The McClelland Grandchildren Partnership, TX GP 502 Arcadia Place San Antonio, TX 78209	8
J. C. Christensen Partners, Ltd 8479 Venture Blvd Selma, TX 78154	8
The Clay C. Rutherford Living Trust 421 Paseo Encinal San Antonio, TX 78212	8

Mineral Owners

Mineral Owner	Map Location
Patrick Hugh Burns PO Box 1528 George West, TX 78022	8
Emma Searcy Burns Lennox Living Trust 4415 140th Ave SE Bellevue, WA 98006	8
KKW Mineral Partners, Ltd 8015 Broadway St., Ste 206 San Antonio, TX 78209	8
Springcreek Resources Partnership, Ltd 9607 Broadway St,, Ste D San Antonio, TX 78209	8
Kittie Ferguson West 300 Austin HWY, Ste. 150 San Antonio, TX 78209	8
Henry Rugeley Ferguson, Jr 3050 Valley Road San Antonio, TX 78221	8
Anne Schreiener Nelson Freitag PO Box 1600 San Antonio, TX 78296	8
Charles Schreiner Nelson, JR 3227 Seven Oaks Drive San Antonio, TX 78217	8
Shawnee Carpenter Nelson Dempsey 1407 Bassett Lane San Antonio, TX 78231	8

Mineral Owners

Mineral Owner	Map Location
Marshall Strauder Nelson 1049 Hodden Hills Drive Dripping Springs, TX 78620	8
Strauder Goff Nelson, III, PO Box 1600 San Antonio, TX 78296	8
Katherine Nancy Nelson Hall PO Box 1600 San Antonio, TX 78296	8
Estate of Seth Shepard Searcy, III 821 Harris Ave Austin, TX 78705	8
Sarah Sally Searcy Henrikson 220 Belverdere Ave Stinson Beach, CA 94770	8
Jane S Thompson Family Trust 7079 SE Greenview Place Hobe Sound, FL 33455	8
The Lawrence S. Searcy Family Trust 1 Glendalough Ct San Antonio, TX 78209	8
Bryan Wood Searcy Exemption Protection Trust 3219 Leyte Street San Antonio, TX 78217	8
Patrick Lambert Searcy, Jr Exemption Protection Trust 6042 S. Millbrook Ct. Aurora, CO 80016	8

Mineral Owners

Mineral Owner	Map Location
Hunter Lambert Urrutia Searcy Exemption Protection Trust 800 N. Shoreline Blvd, Ste 200 Corpus Christi, TX 78401	8
Courtney Amanda Searcy Exemption Protection Trust 800 N. Shoreline Blvd, Ste 200 Corpus Christi, TX 78401	8
Grassedonio Family, Ltd 6 Lake Shore Drive Corpus Christi, TX 78413	8
Catherine S. Finn Revocable Trust P.O. Box 226270 Dallas, TX 75225	8
KSZ Corporation 5411 S. Qual Ridge Circle Spokane, WA 99223	8
The Estate of Vera Searcy McGonigle 338 Poenisch Dr Corpus Christi, TX 78412	8
Judy Ann Reynolds West Rasor FM 616 Mobil Road Vanderbilt, TX 77991	8
Alfred P. Ward Jr Testamentary Trust P.O. Box 17001 San Antonio, TX 78212	8
Barbara Semann Trust for Annanel Register P.O. Box 17001 San Antonio, TX 78212	8

Mineral Owners

Mineral Owner	Map Location
Barbara Semann Grandchildren's Trust P.O. Box 17001 San Antonio, TX 78212	8
Mary Louise West 4712 Cole Ave, APT 1115 Dallas, TX 75205	8
Nellie Beth West Byrne Bodden 13 Bretton Woods Way Dallas, TX 75220	8
The Estate of Mary Nan West Box 39 Carrizo Springs, TX 78834	8
Andra LeBlanc and Randy Royall 2505 Taylor Lane Deer Park, TX 77356	9
Eslabon Ranch LTD 3500 Hampton Rd Austin, TX 78705	10
William Barnett Moser, III PO Box 1604 George West, TX 78022	10
Trustee of W. B. Moser, III GST Trust c/o Frost Bank 100 W. Houston Street San Antonio, TX 78205	10
Christopher Thomas Moser 200 Patterson Ave, Apt 302 San Antonio, TX 78209	10

Mineral Owners

Mineral Owner	Map Location
Christopher Thomas Moser, Trustee 200 Patterson Ave, Apt 302 San Antonio, TX 78209	10
Ruth Moser Davies 3500 Hampton Rd Austin, TX 78705	10
Ruth Moser Davies,Trustee 3500 Hampton Rd Austin, TX 78705	10
Edward Zacharias Lyne Moser 842 Estes Ave San Antonio, TX 78209	10
Edward Zacharias Lyne Moser, Trustee 842 Estes Ave San Antonio, TX 78209	10
Andrew Hatmaker 1250 Brentwood Drive Corpus Christi, TX 78404	11
Lucille Chapa Yzaguirre 4404 Merl Drive San Antonio, TX 78745	12
Diana Marie Chapa 10510 Jarratt Road Atascosa, TX 78002	13
Roel Chapa PO Box 669 George West, TX 78022	14

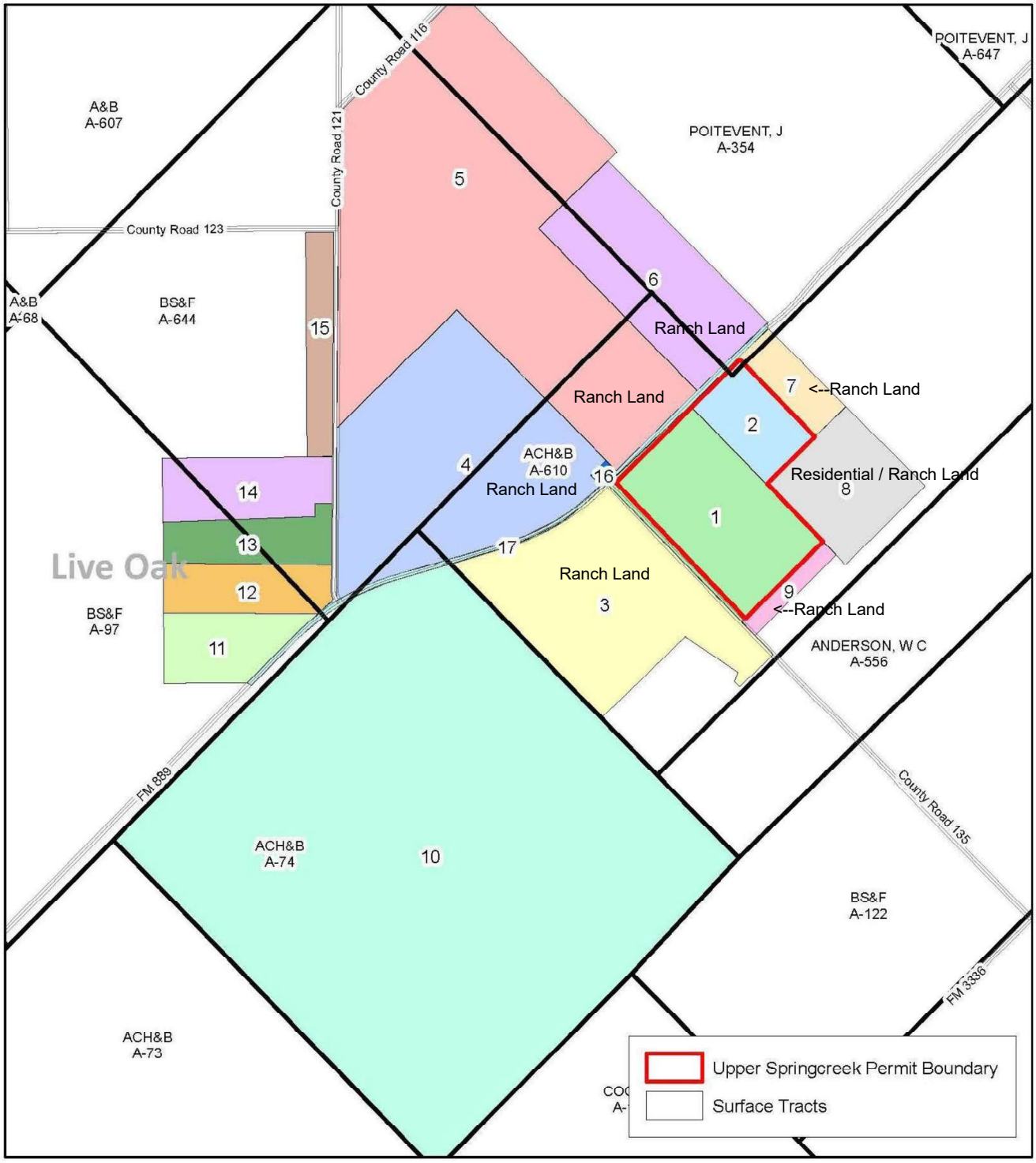
Mineral Owners

Mineral Owner	Map Location
Nathan L Sheldon, Trustee 612 Sturtz Circle Norman, OK 73072	15
State of Texas General Land Office 1700 Congress Avenue Austin, TX 78701	16 (FM 889 and CRS where Texas owns the minerals)

C. The State of Texas (General Land Office) is an ADJACENT owner as indicated on the surface and mineral ownership maps (Map Location 16). Texas has ownership of State Highway FM 889 and County Road 135 where the State of Texas owns the minerals.

1. Review of the Texas General Land Office GIS Mapping systems (Land and Lease Viewer) web address: Land and Lease Viewer (texas.gov) , there are NO Permanent School Fund ("PSF") lands in the vicinity of the proposed permit area. The State-owned minerals are located within the easement/ROW of the State and County roads (FM 889 and CR 135) adjacent to the permit area.

2. As described in C.1 above, there are NO PSF lands in the vicinity of the permit area, no foreseeable impacts or effects on PSF lands are expected.



MAP B-1

N

1 inch = 1,500 feet

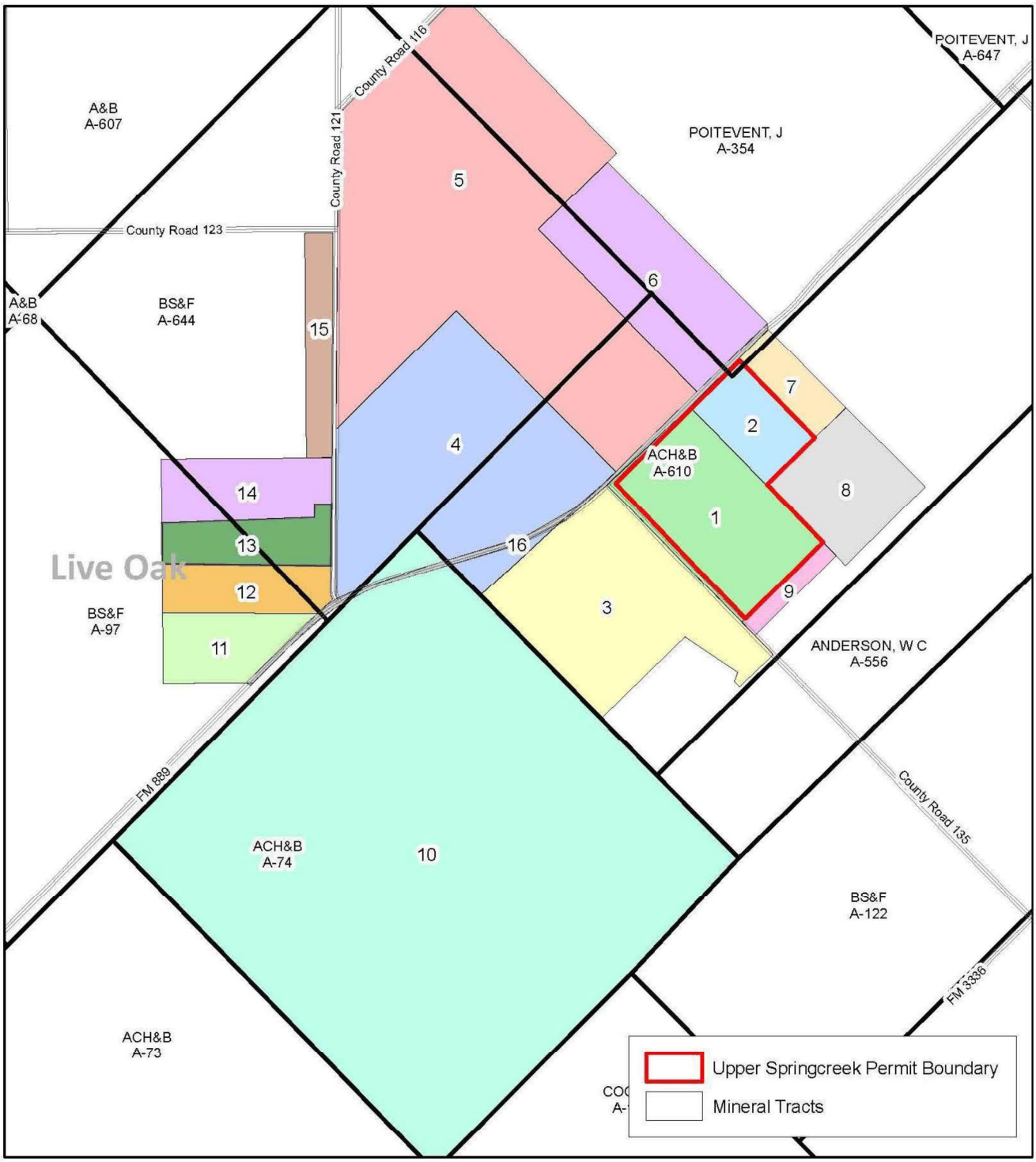
0 750 1,500 3,000 4,500 Feet

URI, Inc.
Upper Spring Creek Project

Surface Ownership Map
See Corresponding List for owner information

October 2024
Revised August 2025

County: Live Oak
Projection: NAD 27



MAP B-2

1 inch = 1,500 feet

0 750 1,500 3,000 4,500 Feet

URI, Inc.
Upper Spring Creek Project

Mineral Ownership Map
See Corresponding List for owner information

October 2024 | County: Live Oak
Projection: NAD 27

III. Financial Assurance

Submit as "Attachment C", information regarding the financial assurance plan as referenced below.

A. Financial Assurance Information Requirements for all Applicants [30 TAC §§331.142-144, Subchapter I, and 30 TAC Chapter 37 Subchapter Q "Financial Assurance for Underground Injection Control Wells"]

1. Financial Assurance for Closure

Please refer to 30 TAC §§331.142-144 for the financial assurance requirements for closure, and provide a signed statement from an authorized signatory per 30 TAC §305.44 regarding how the owner or operator will comply with this provision.

2. Provide a complete and accurate description of mine closure costs for the mining facility.

3. Provide an estimate of the number of the number of existing wells and wells to be drilled, their average depth, and casing size. Include all monitor wells, baseline wells, injection wells, production wells, and any other wells necessary for the mining operation.

See Attachment C

B. Cost estimates for Aquifer Restoration in accordance with 30 TAC §§331.109 and 331.142, including a detail description of the methodologies and assumptions for deriving the cost estimates.

See Attachment C

Attachment C
Financial Assurance

ATTACHMENT C

Financial Assurance Costs for UIC Class III Wells – PAA1

Description of Class III Well Closure Activities

Once final restoration of the production area PAA1 aquifer is complete, all wells will be plugged and abandoned per 30 TAC §331.46. Wells are completed in one aquifer and will be constructed with cement annular seals completely sealing off shallower aquifers. Consequently, placing a plug in the well will prevent movement of fluid through the well, between aquifers, and to the land surface. No casing parting will be required.

URI will maintain records of the location, diameter, and depths of all PAA1 Class III wells. This information will be used to document the complete plugging and abandonment of wells. If possible, all intact equipment will be removed from wells prior to plugging.

Plugs will be placed in the well using an approved method as outlined within Section V.H of Area Permit UR03095. Prior to plugging, well completion information will be used to determine the volume of plugging material required to completely fill the well. A cement plug of slurry weight no less than 12 lbs/gallon shall be set from the bottom of the well to extend upwards through the first overlying aquitard above the production zone.

The remaining portion of the well shall be filled with a bentonite/water slurry with a weight of no less than 9.5 lbs/gallon to a level ten feet below the top of the casing which is to remain in the ground.

A ten-foot cement top plug shall be set in the casing to seal the well near the surface and the cement will be allowed to cure for a minimum of 48 hours. If the depth to the top of the plug is lower than intended, additional plugging material will be placed as described above.

The well casing shall be cut off at a depth of three feet below ground level or at the soil/caliche interface, whichever is encountered first and then the excavation will be backfilled with soil to natural grade.

URI will keep records of well plugging and will make them available for inspection.

Cost Estimate for Class III P&A

A detailed cost estimate along with the assumptions and methodologies for closure of the PAA1 Class III wells is provided in Attachment C-1. This estimate is based on the projected number of existing wells and wells to be drilled, their average depth, and casing size. Projected wells include all monitor wells, baseline wells, injection wells, production wells, and any other wells necessary for the mining operation. This estimate is provided in current dollars and assumes the closure activities will be conducted by a third party.

Cost Estimate for Aquifer Restoration

After uranium recovery operations in the production area have been completed, URI will commence groundwater restoration activities. URI typically uses two groundwater restoration alternatives at each project site: groundwater sweep and RO treatment. Restoration of the production zone, be it conducted by RO treatment, groundwater sweep, or a combination of the two, utilizes the injection-extraction wellfield configuration that was employed during mining.

URI will maintain a net inward hydraulic gradient during active restoration. Restoration fluids and wastewater will be treated and managed using satellite plant equipment and facilities, including the permitted Class I wastewater disposal wells.

URI plans that groundwater restoration criteria will be established on a parameter-by-parameter basis, with the primary goal of restoration to return all parameters to average pre-mining baseline conditions as stated within the Restoration Table within the UIC Production Area Authorization.

Groundwater restoration monitoring will be performed by collecting composite production line samples, which will be analyzed for conductivity and uranium. The results will be compiled monthly and reported biannually to TCEQ. When the data indicate that restoration is at, or near completion, each original baseline well will be sampled and analyzed for the restoration table parameters. If the wellfield average value for each parameter is consistent with baseline quality, restoration will be considered to be complete and enter the stability monitoring phase.

URI will obtain stability samples and complete an analysis from all production area baseline wells. Stability samples will be conducted at a minimum of 30-day intervals for a minimum of three sample sets and reported to the Executive Director. URI will notify TCEQ at least two weeks in advance of sample dates in order to provide the opportunity for splitting samples and for selecting additional wells for sampling, if desired. To ensure water quality has stabilized, a period of 180 days will elapse between cessation of restoration operations and the final set of stability samples. TCEQ shall determine within 45 days of the receipt of all sample analysis results whether or not restoration has been achieved. Upon acknowledgement in writing by TCEQ confirming achievement of final restoration, URI will plug all injection and production wells.

Restoration will be deemed complete by TCEQ based on the following conditions:

- reasonable restoration efforts have been undertaken;
- the values for parameters describing water quality have stabilized for a period of 180 days;
- the formation water present in the aquifer would be suitable for any use to which it was reasonably suited prior to mining; and
- further restoration efforts would consume energy, water, or other natural resources of the state without providing a corresponding benefit to the state.

To the extent that water quality parameters cannot be returned to the identical average pre-mining baseline levels, the secondary goal will be to return water quality to the levels specified in 30 TAC §331.107(g). In determining if groundwater has met the secondary goal, the following factors may be considered:

- uses for which the groundwater was suitable at baseline water quality levels;
- actual existing use of groundwater in the area prior to and during mining;
- potential future use of groundwater of baseline quality and of proposed restoration quality;
- the effort made by the permittee to restore the groundwater to baseline;
- technology available to restore groundwater for particular parameters;
- the ability of existing technology to restore groundwater to baseline quality in the area under consideration;
- the cost of further restoration efforts;
- the consumption of groundwater resources during further restoration; and
- the harmful effects of levels of a particular parameter.

Based on these guidelines, URI will make a demonstration to TCEQ that leaving the parameter at the higher concentration will not threaten public health and safety, and that, on a parameter-by-parameter basis, water use will not be significantly degraded. The stability monitoring period for this approach would be for a two year period.

A detailed cost estimate to perform groundwater restoration is provided in Attachment C-1.

Attachment C.1

URI, Inc. Upper Spring Creek Project
Area Permit No: UR03095

Schedule A

Date: **March 25, 2025**

Name of Surety: **Indemnity National Insurance Company**

Name of Principal: **enCore Alta Mesa LLC in favor of TCEQ**

As per Performance Bond **N-7005612**

Area Permit No: UR03095
Permit Name: **URI, Inc. Upper Spring Creek Project**

Physical and Mailing Address: **URI, Inc., 101 N. Shoreline Drive, Ste. 560, Corpus Christi, TX 78401**

Work Item/Work Element			Total
Pre-existing Wells in Permit Area			
6 Wells in Permit Area		$	2,070
PAA-1			
425 Class III cased wells		$	155,637
	2022 Total	$	157,707
Adjustment for 2022 Inflation factor (7%)		$	11,039
CY 2023 Closure Cost Estimate for UIC Activities		$	168,746
Adjustment for 2023 inflation factor (3.6%)		$	6,075
CY 2024 Closure Cost Estimate for UIC Activities		$	174,821
Adjustment for 2024 inflation factor (2.4%)		$	4,196

CY 2025 Closure Cost Estimate for UIC Activities	**$**	**179,017**
CY 2025 Class III Monitoring & Baseline Wells	$	25,000
Sub-total	**$**	**204,017**
Contingency Factor (10%)	**$**	**21,492**
Total	**$**	**225,509**

UPPER SPRING CREEK - PAA-1 PLUGGING AND ABANDONMENT COST ESTIMATE

February 2025

PAA	WELL TYPE	IN WELL CASING	ID Inches	QTY	FT AVERAGE DEPTH	CU YD HOLE VOLUME	CU YD Slurry REQ'D	EACH WELL SLURRY COST	BACKHOE	BACKHOE OPERATOR	ENG/ GEOL	PLUGGING OPERATORS	PLUGGING EQUIPMENT	Ancillary 2%	TOTAL PER HOLE	TOTAL PAA	WITH PROFIT
USC	PRODUCTION	6	5.78	168	320	2.16	2.59	$ 112	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 299	$ 50,235	$ 60,282
USC	PRODUCTION	6	5.78	71	350	2.36	2.83	$ 122	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 310	$ 21,989	$ 26,386
USC	PRODUCTION	6	5.78	100	370	2.50	3.00	$ 129	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 317	$ 31,682	$ 38,019
USC	PRODUCTION	6	5.78	37	385	2.60	3.12	$ 134	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 322	$ 11,920	$ 14,304
USC	MONITOR	5	4.85	33	385	1.83	2.20	$ 95	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 282	$ 9,293	$ 11,151
USC	OMWs	5	4.85	8	260	1.24	1.48	$ 64	$ 18	$ 10	$ 86	$ 58	$ 10	$ 5	$ 250	$ 2,002	$ 2,402
USC	BASELINE	6	5.78	8	385	2.60	3.12	$ 134	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 322	$ 2,577	$ 3,093
PAA TOTALS				425			545	$ 23,477	$ 3,945	$ 2,085	$ 18,600	$ 12,510	$ 2,232	$ 1,257		$ 129,698	$ 155,637
Pre-existing Wells (see note)		4	5.78	6	299	2.27	1.89	$ 81	$ 18	$ 29	$ 86	$ 58	$ 10	$ 6	$ 287	$ 1,725	$ 2,070
USC TOTAL (2022)				431				$ 23,559	$ 3,964	$ 2,114	$ 18,686	$ 12,568	$ 2,242	$ 1,263		$ 131,422	$ 157,707
Adjustment for 2022 Inflation factor (7%)																	$ 11,039
USC TOTAL (2023)																	$ 168,746
Adjustment for 2023 inflation factor (3.6%)																	$ 6,075
USC TOTAL (2024)																	$ 174,821
Adjustment for 2024 inflation factor (2.4%)																	$ 4,196
USC Sub- TOTAL (2025)																	**$ 4,196**
Existing N-7005612 Bond																	$ 25,000
USC Sub- TOTAL (2025)																	**$ 204,017**
Contingency Factor (10%)																	**$ 21,492**
USC TOTAL (2025)																	**$ 225,509**

Cost per Well	$523

CEMENT SLURRY OVERAGE		120%
SLURRY MATERIAL COST PER 1 CUBIC YARD	$	43.11
HOLES FILLED PER DAY		7
PLUGGING OPERATORS		2
PLUGGING OPERATOR PER YEAR	$	42,036.80
ENGINEER/GEOLOGIST PER YEAR/ PE	$	125,000.00
BACKHOE OPERATOR PER YEAR	$	42,036.80
BACKHOE USE PER DAY	$	127.27
CONTRACTOR PROFIT		120%
PLUGGING EQUIPMENT MAINTENANCE/ MO	$	1,500.00

Notes

Yellow shaded lines are the only wells installed as of October 31, 2024

Closure costs associated with the 6 pre-existing wells described in Area Permit application.

The P&A costs estimate includes contractro profit of 20%.

Cement slurry overage of 20% is used to "top-off" hole to account for settlement in hole.

Mixture is calculated using approved P&A mixture updated August 8, 2014.

Backhoe operators and backhoe used for surface plugging tasks and used only 33% of the time.

Plugging operators and engineer utilized 100% of time

Time assignment is 250 work days per year, 21 work days per month.

Personnel costs include burden of 20%.

Slurry Mixture

	Ratio by Weight	1 yd^3		1 yd^3	201.974 gallons
Cement	1	148.5	lbs		
Gel	1.19	176.7	lbs		
Water	10.55	1,566.7	lbs		
		1,891.9	lbs		
Density		**9.367**	lbs/gal		

Material Costs

Cement	$ 12.19	per sack	94 lbs	0.13	$/lb.	19.25 $/$yd^3$
Gel	$ 13.50	per sack	100 lbs	0.14	$/lb.	23.86 $/$yd^3$
Water	No cost - from existing supply wells			0.00	$/lb.	0.00 $/$yd^3$
						43.11 $/$yd^3$

Groundwater treatment costs based on the Actual Groundwater costs at KVD from 2010 through 2013

Year	KVD Vol. Treated (Gallons)	Total GW Treatment Cost ($)	Cost ($) /M Gal treated
2010	253,685,188	727,716	2.87
2011	237,776,025	756,921	3.18
2012	228,794,408	858,015	3.75
2013	243,886,012	752,785	3.09
Totals	**964,141,633**	**3,095,437**	**3.21**

Calendar Year	TCEQ Annual Percentage Change	treatment unit cost $ / M Gal.
		$3.21
2013	1.5	$3.26
2014	1.5	$3.31
2015	1.0	$3.34
2016	1.3	$3.38
2017	1.8	$3.44
2018	2.3	$3.52
2019	1.7	$3.58
2020	1.2	$3.63
2021	4.2	$3.78
2022	7.0	$3.94
2023	3.6	$4.10

URI, Inc. - Upper Spring Creek Project

PAA-1 Stability Sampling Cost Estimate

October 2024

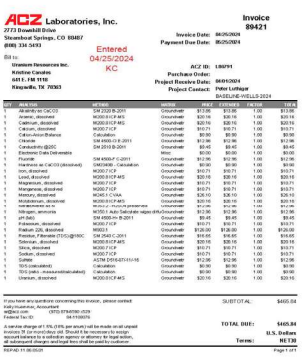
Stability Sampling Program

Baeline Wells	Sample Events	Total Samples	Sample Analysis Cost	Sample Shipping Cost	Cost per Sample	Total Cost
10	3	30	$466	$204	$669	$20,081

Notes:

Sample analysis cost based on ACZ Lab cost - 2024 (see Coulmn M)

Sample shipping cost based on UPS shipping - 2024 (See Column V)



ACZ Laboratories, Inc.
2773 Downhill Drive
Steamboat Springs, CO 80487
(970) 879-6590

Invoice
89421

Invoice Date: 04/25/2024
Payment Due Date: 05/25/2024

Bill to:
Uranium Resources Inc.
Rekhee Canales
601 I. FM 1118
Raguello, TX 78363

Entered
04/25/2024
KC

ACZ ID: LB0791
Purchase Order:
Project Receive Date: 04/01/2024
Project Contact: Peter Lofthaer
BASELINE-WELLS-2024

QTY	Analysis	Lab Num	Matrix	MDL	Factor	Dil. Fac.	Unit	Total
1	Alkalinity as CaCO3	SM 2320 B-2011	Groundwater	$13.06	$13.06	1.00		$13.06
1	Arsenic, dissolved	M200.8 ICP-MS	Groundwater	$20.16	$20.16	1.00		$20.16
1	Cadmium, dissolved	M200.8 ICP-MS	Groundwater	$20.16	$20.16	1.00		$20.16
1	Calcium, dissolved	M200.7 ICP	Groundwater	$10.71	$10.71	1.00		$10.71
1	Cation-Anion Balance	Calculation	Groundwater	$0.00	$0.00	1.00		$0.00
1	Chloride	EPA 300.0 R 2011	Groundwater	$0.50	$0.50	1.00		$0.50
1	Conductivity @25C	SM 2510 B-2011	Groundwater	$0.40	$0.40	1.00		$0.40
1	Electronic Data Deliverable		Misc	$0.00	$0.00	1.00		$0.00
1	Fluoride	SM 4500-F C-2011	Groundwater	$12.96	$12.96	1.00		$12.96
1	Hardness as CaCO3 (dissolved)	CMO3408 , Calculation	Groundwater	$0.00	$0.00	1.00		$0.00
1	Iron, dissolved	M200.7 ICP	Groundwater	$10.71	$10.71	1.00		$10.71
1	Lead, dissolved	M200.8 ICP-MS	Groundwater	$20.16	$20.16	1.00		$20.16
1	Magnesium, dissolved	M200.7 ICP	Groundwater	$10.71	$10.71	1.00		$10.71
1	Manganese, dissolved	M200.7 ICP	Groundwater	$10.71	$10.71	1.00		$10.71
1	Mercury, dissolved	M245.1 CVAA	Groundwater	$26.10	$26.10	1.00		$26.10
1	Molybdenum, dissolved	M200.8 ICP-MS	Groundwater	$20.16	$20.16	1.00		$20.16
1	Nitrate/nitrite as N	M353.2 Auto Salicylate w/prec dist	Groundwater	$12.96	$12.96	1.00		$12.96
1	Nitrogen, ammonia	M350.1 Auto Salicylate w/prec dist	Groundwater	$12.96	$12.96	1.00		$12.96
1	pH (lab)	SM 4500-H+ B-2011	Groundwater	$0.40	$0.40	1.00		$0.40
1	Potassium, dissolved	M200.7 ICP	Groundwater	$10.71	$10.71	1.00		$10.71
1	Radium 226, dissolved	M903.1	Groundwater	$126.00	$126.00	1.00		$126.00
1	Residue, Filterable (TDS)@180C	SM 2540 C-2011	Groundwater	$16.65	$16.65	1.00		$16.65
1	Selenium, dissolved	M200.8 ICP-MS	Groundwater	$20.16	$20.16	1.00		$20.16
1	Silica, dissolved	M200.7 ICP	Groundwater	$10.71	$10.71	1.00		$10.71
1	Sodium, dissolved	M200.7 ICP	Groundwater	$10.71	$10.71	1.00		$10.71
1	Sulfate	ASTM D516-07-11-16	Groundwater	$12.29	$12.29	1.00		$12.29
1	TDS (calculated)	Calculation	Groundwater	$0.00	$0.00	1.00		$0.00
1	TDS (calc - measured/calculated)	Calculation	Groundwater	$0.00	$0.00	1.00		$0.00
1	Uranium, dissolved	M200.8 ICP-MS	Groundwater	$20.16	$20.16	1.00		$20.16

If you have any questions concerning this invoice, please contact
Kelly Hueneke, Accountant
ar@acz.com (970) 879-6590 x329
Federal Tax ID: 84-1159570

A service charge of 1.5% (18% per anum) will be made on all unpaid invoices 31 (or more) days old. Should it be necessary to assign collection of this account to a collection agency or attorney, all subsequent charges and legal fees shall be paid by customer.

SUBTOTAL: $465.84

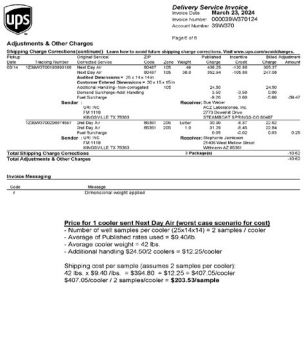
TOTAL DUE: $465.84

U.S. Dollars

Terms: NET30

REPAD 11.06.0529

Page 1 of 1



Delivery Service Invoice
Invoice Date: March 23, 2024
Invoice Number: 0000359X0700124
Account Number: 359V370

Page 4 of 6

Adjustments & Other Charges

Shipping Charge Corrections (continued) Learn how to avoid future shipping charge corrections. Visit www.ups.com/invoicecharges.

Pickup Date	Tracking Number	Correction Service	Zone	Billed Weight	Published Charges	Invoice Charges	Billed Adjustment Amount
03/14	1Z30A0700300993166	Next Day Air	02/07	1.0	436.29	-132.68	305.77
		Next Day Air	02/07	46.0	392.44	108.69	247.06
		Audited Dimensions = 21 x 14 x 14 in Customer Entered Dimensions = 20 x 15 x 10 in					
		Dimensional Weight Applied	105				
		Demand Surcharge-Hold Handling			24.50		24.50
		Fuel Surcharge			3.00	-3.00	3.00
					8.70	3.60	-5.66 -39.47
		Sender: LIN, INC FM 1118 KINGSVILLE TX 78363			Receiver: PUC LABORATORIES, INC 2773 Downhill Drive STEAMBOAT SPRINGS,CO,80487		
1Z30A0700300991497		2nd Day Air	05/07	2.0	Letter	30.26	8.47	22.42
		2nd Day Air	05/07	2.0	1.0	30.26	8.47	22.42
		Fuel Surcharge				6.05	-0.62	0.83 -5.25
		Sender: LIN, INC FM 1118 KINGSVILLE TX 78363			Receiver: Stephanie Jamison 1000 Cedar Street Apt West Millmanu AZ 85301		
Total Shipping Charge Corrections					3 Packages			13.42
Total Adjustments & Other Charges								13.42

Invoice Messaging

Code	Message
1	Dimensional weight applied

Price for 1 cooler sent Next Day Air (worst case scenario for cost)
- Number of well samples per cooler (2x14x14) = 2 samples / cooler
- Average of Published rates used = $9.40/lb
- Average cooler weight = 42 lbs
- Additional handling $24.50/2 coolers = $12.25/cooler

Shipping cost per sample (assumes 2 samples per cooler):
42 lbs. x $9.40 /lbs. = $394.80 + $12.25 = $407.05/cooler
$407.05/cooler / 2 samples/cooler = **$203.53/sample**

ACZ Laboratories, Inc.

2773 Downhill Drive
Steamboat Springs, CO 80487
(800) 334-5493

Invoice 89421

Invoice Date: 04/25/2024
Payment Due Date: 05/25/2024

Entered
04/25/2024
KC

Bill to:
Uranium Resources Inc.
Kristine Canales
641 E. FM 1118
Kingsville, TX 78363

ACZ ID: L86791
Purchase Order:
Project Receive Date: 04/01/2024
Project Contact: Peter Luthiger
BASELINE-WELLS-2024

QTY	ANALYSIS	METHOD	MATRIX	PRICE	EXTENDED	FACTOR	TOTAL
1	Alkalinity as CaCO3	SM 2320 B-2011	Groundwatr	$13.86	$13.86	1.00	$13.86
1	Arsenic, dissolved	M200.8 ICP-MS	Groundwatr	$20.16	$20.16	1.00	$20.16
1	Cadmium, dissolved	M200.8 ICP-MS	Groundwatr	$20.16	$20.16	1.00	$20.16
1	Calcium, dissolved	M200.7 ICP	Groundwatr	$10.71	$10.71	1.00	$10.71
1	Cation-Anion Balance	Calculation	Groundwatr	$0.90	$0.90	1.00	$0.90
1	Chloride	SM 4500-Cl E-2011	Groundwatr	$12.96	$12.96	1.00	$12.96
1	Conductivity @25C	SM 2510 B-2011	Groundwatr	$9.45	$9.45	1.00	$9.45
1	Electronic Data Deliverable		Misc	$0.00	$0.00	1.00	$0.00
1	Fluoride	SM 4500-F C-2011	Groundwatr	$12.96	$12.96	1.00	$12.96
1	Hardness as CaCO3 (dissolved)	SM2340B - Calculation	Groundwatr	$0.90	$0.90	1.00	$0.90
1	Iron, dissolved	M200.7 ICP	Groundwatr	$10.71	$10.71	1.00	$10.71
1	Lead, dissolved	M200.8 ICP-MS	Groundwatr	$20.16	$20.16	1.00	$20.16
1	Magnesium, dissolved	M200.7 ICP	Groundwatr	$10.71	$10.71	1.00	$10.71
1	Manganese, dissolved	M200.7 ICP	Groundwatr	$10.71	$10.71	1.00	$10.71
1	Mercury, dissolved	M245.1 CVAA	Groundwatr	$26.10	$26.10	1.00	$26.10
1	Molybdenum, dissolved	M200.8 ICP-MS	Groundwatr	$20.16	$20.16	1.00	$20.16
1	Nitrate/Nitrite as N	M353.2 - H2S04 preserved	Groundwatr	$12.96	$12.96	1.00	$12.96
1	Nitrogen, ammonia	M350.1 Auto Salicylate w/gas diffu	Groundwatr	$12.96	$12.96	1.00	$12.96
1	pH (lab)	SM 4500-H+ B-2011	Groundwatr	$9.45	$9.45	1.00	$9.45
1	Potassium, dissolved	M200.7 ICP	Groundwatr	$10.71	$10.71	1.00	$10.71
1	Radium 226, dissolved	M903.1	Groundwatr	$126.00	$126.00	1.00	$126.00
1	Residue, Filterable (TDS) @180C	SM 2540 C-2011	Groundwatr	$16.65	$16.65	1.00	$16.65
1	Selenium, dissolved	M200.8 ICP-MS	Groundwatr	$20.16	$20.16	1.00	$20.16
1	Silica, dissolved	M200.7 ICP	Groundwatr	$10.71	$10.71	1.00	$10.71
1	Sodium, dissolved	M200.7 ICP	Groundwatr	$10.71	$10.71	1.00	$10.71
1	Sulfate	ASTM D516-07/-11/-16	Groundwatr	$12.96	$12.96	1.00	$12.96
1	TDS (calculated)	Calculation	Groundwatr	$0.90	$0.90	1.00	$0.90
1	TDS (ratio - measured/calculated)	Calculation	Groundwatr	$0.90	$0.90	1.00	$0.90
1	Uranium, dissolved	M200.8 ICP-MS	Groundwatr	$20.16	$20.16	1.00	$20.16

If you have any questions concerning this invoice, please contact:
Kelly Huemmer, Accountant
ar@acz.com (970) 879-6590 x529
Federal Tax ID: 84-1108076

A service charge of 1.5% (18% per anum) will be made on all unpaid invoices 31 (or more) days old. Should it be necessary to assign account balance to a collection agency or attorney for legal action, all subsequent charges and legal fees shall be paid by customer.

SUBTOTAL: $465.84

TOTAL DUE: $465.84
U.S. Dollars
Terms: NET30

Adjustments & Other Charges

Shipping Charge Corrections (continued) **Learn how to avoid future shipping charge corrections. Visit www.ups.com/avoidcharges.**

Pickup Date	Tracking Number	Original Service/ Corrected Service	ZIP Code	Zone	Weight	Published Charge	Incentive Credit	Billed Charge	Adjustment Amount
03/14	1Z39W3700193893186	Next Day Air	80487	105	49	436.25	-130.88	305.37	
		Next Day Air	80487	105	36.0	352.94	-105.88	247.06	
		Audited Dimensions = 25 x 14 x 14 in							
		Customer Entered Dimensions = 30 x 15 x 15 in							
		Additional Handling- Non-corrugated		105		24.50		24.50	
		Demand Surcharge-Addl Handling				3.50	-3.50	0.00	
		Fuel Surcharge				-9.26	3.60	-5.66	-39.47
		Sender : URI INC FM 1118 KINGSVILLE TX 78363				**Receiver:** Sue Weber ACZ Laboratories, Inc. 2773 Downhill Drive STEAMBOAT SPRINGS CO 80487			
	1Z39W3700298074587	2nd Day Air	85361	205	Letter	30.99	-8.37	22.62	
		2nd Day Air	85361	205	1.0	31.29	-8.45	22.84	
		Fuel Surcharge				0.05	-0.02	0.03	0.25
		Sender : URI INC FM 1118 KINGSVILLE TX 78363				**Receiver:** Stephanie Jamieson 21405 West Mellow Street Wittmann AZ 85361			
Total Shipping Charge Corrections						3 **Package(s)**			-10.62
Total Adjustments & Other Charges									-10.62

Invoice Messaging

Code	Message
r	Dimensional weight applied

Price for 1 cooler sent Next Day Air (worst case scenario for cost)

- Number of well samples per cooler (25x14x14) = 2 samples / cooler
- Average of Published rates used = $9.40/lb.
- Average cooler weight = 42 lbs.
- Additional handling $24.50/2 coolers = $12.25/cooler

Shipping cost per sample (assumes 2 samples per cooler):
42 lbs. x $9.40 /lbs. = $394.80 + $12.25 = $407.05/cooler
$407.05/cooler / 2 samples/cooler = **$203.53/sample**

Section IV
Technical Report

IV. Technical Report

A. Technical Report for PAA Applications other than for Restoration Table Amendment; or

B. Technical Report for PAA Applications for Restoration Table Amendment; and

C. Maps and Tables

Technical Report for PAA Applications

The following shall be submitted as the Technical Report for a PAA Application. The applicant may request a pre-application meeting for the information to be developed with Commission's staff prior to beginning to collect the information because certain conditions may require additional or different information. All technical information shall be prepared in accordance with the appropriate technical guidelines. Clearly mark the chapters with the indicated chapter identification.

All analytical data submitted to the TCEQ must be generated by a lab that the Texas Laboratory Accreditation Program (TLAP) has accredited under the National Environmental Laboratory Accreditation Conference (NELAC) standard for matrices, methods, and parameters of analysis, unless: (1) the lab is an in-house lab and either the lab performs work for its owner, for another company with a unit located on the same site, or without compensation for a governmental agency or charitable organization, or the lab is in another state and is accredited or inspected by that state; (2) the lab is accredited under federal law; (3) the data are needed for emergency-response activities and no TLAP-accredited lab is available; or (4) the lab supplies data for which we do not offer accreditation Refer to the list of laboratories[3] accredited by the State of Texas under the National Environmental Laboratory Accreditation Program (NELAP) on the TCEQ website.

On July 1, 2008, TCEQ accepts analytical data only if the lab generating the data is NELAC-accredited by TLAP, the TCEQ has approved an exception as described above, or the data were generated on or before June 30, 2008. Quality Assurance and Quality Control (QA/QC) should be in accordance with the TCEQ Quality Assurance Project Plan[4].

Production Area Authorization (30 TAC §305.155)

A. *Area Permit Map* – Provide a map that locates and identifies the lease areas, permit area, mine area, and existing and proposed production areas with respect to identifiable landmarks such as towns or main roads. (see Figure 2)

B. *Updated Mine Area Map* – Provide an oriented drawn to sufficient scale map locating all monitor wells, production wells, and baseline wells, and indicating acreage of the permit area, mine area, depth in below ground level (bgl)/mean sea level (msl) to the top of the production zone and the elevation of the production zone. (see Figure 3)

C. *Proposed Production Area Map* – Provide an oriented drawn to sufficient scale map locating all production zone monitor wells with their distance to non-production wells, baseline wells, and indicating acreage of the Area Permit, mine area, depth in bgl/msl to the top of the production zone, and the elevation of the production zone. (see Figure 4) Submit the georeferenced for the GIS files (i.e. shapefiles or geodatabase files).

D. *Description of the Production Area Geology and Hydrology* – Provide a written description of the geology and hydrology of the mine area. Support the geology with maps and cross-sections showing geologic units, lithology, structural features, aquifer exemption location, along with other pertinent information. For hydrologic verification, include a description of the major aquifer, hydraulic gradient, water quality indicators [i.e., Total Dissolved Solids (TDS), Sodium (Na), Sulfate (SO_4)] for the mine area, and other pertinent information. Identify the depth in bgl/msl and basis in well logs of the base of the underground source of drinking water in the mine area.

E. *Contour Maps of Production Area Total Dissolved Solids (TDS) and Piezometric Levels* – Provide maps showing piezometric levels and TDS contours for production and non-production zone aquifers with baseline wells located and identified.

F. *Well Logs, Completion Reports, and Mechanical Integrity Reports (1 copy)* – For all baseline and monitor wells, provide the electric well logs and completion reports. Well logs shall have the Production Zone and all aquifers clearly identified. Completion reports in bgl/msl shall

[3] http://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/txnelap_lab_list.pdf
[4] http://www.tceq.texas.gov/permitting/waste_permits/ihw_permits/qapp.html

include casing depths, screened intervals, cementing data, and locations of centralizers. Mechanical integrity tests shall be conducted in accordance with 30 TAC §331.43 on all injection and production wells and on any other wells which are to be used to inject fluids. Mechanical integrity test results may be submitted as part of the well completion report or as a separate report.

G. *Hydrologic Test Results and Interpretation* – Describe in detail the hydrologic testing procedures to be used. This description should include test preparation, test procedures, schedule, and procedures for analysis and summary of the test results, The tests are conducted to:

1. Determine the degrees of hydrologic connection between aquifers;
2. Determine and locate boundaries and recharge structures; and
3. Verify hydrologic connection between the production zone and the pFroduction zone monitor wells.

Additional guidance will be found in Technical Guideline II[5] – Hydrologic Testing available on the TCEQ website.

H. *Cross-Sections of the Production Area* – Provide detailed cross-sections along the dip and strike accurately identifying all overlying aquifers, the first underlying aquifer, the aquifer exemption identified in bgl/msl, and the geologic interval in bgl/msl to be mined. The geologic interval in bgl/msl identified as the "production zone" will be the zone authorized for production by the proposed authorization. The lithologic columns shall be supported with electric logs. Indicate piezometric levels for each aquifer.

I. *Groundwater Quality Data for Production and Mine Area Wells* – For each of the production area and mine area monitor wells and baseline wells, provide a Groundwater Quality Data Report for Production and Mine Area Wells using Table 1 (attached). Describe how representative samples were taken in accordance with 30 TAC §331.104.

J. *Groundwater Quality Data Summary for Production and Mine Area Wells* – Provide a summary of the parameter values from baseline and monitor wells showing high, average, and low parameter values for each aquifer using Tables 2A and 2B (attached).

K. *Restoration Progress Report*

1. Provide a description of restoration procedures or restoration demonstration procedures, proposed, in progress, or completed;
2. Provide a description of the restoration progress that currently has been achieved at existing PAA's in the permit area; and
3. Provide a description of the fluid handling capacity of the disposal facilities required to accomplish restoration using the proposed restoration procedure within the time frame specified in the mine plan. For guidance, refer to Fluid Handling at TCEQ Technical Guidance III[6] – Fluid Handling.

L. *Updated Mine Plan* – Provide a mine plan to include:

1. Area Permit Map – An 8½" x 11" legible and reproducible plan view locating and identifying:
   a) Lease area boundary;
   b) Area permit boundary;
   c) Buffer areas;

[5] www.tceq.texas.gov/assets/public/permitting/waste/uic/tech_guideline_2.pdf
[6] www.tceq.texas.gov/permitting/waste_permits/uic_permits/UIC_Guidance_Class_3.html

d) Individually proposed production areas with acreage of the areas indicated; and

e) Production and disposal facilities (see Figure 4).

2. Schedule – Provide a schedule indicating the dates on which is estimated that both production and restoration will be started and completed in the mine areas. An estimated starting and completion dates of production and restoration in the mine areas with a condensed version of the estimated schedule in an 8½" x 11" format suitable for inclusion in the draft permit. The figure may be simplified by showing only the production and restoration phases of operations in each well field. Well fields should be identified according to which PAA each will be in along with the anticipated starting dates of mining and restoration.

M. *Updated Evaluation of Fluid Handling Requirements vs. Capacity* – Provide a detailed calculation and tabulation of the volume of fluids to be handled by storage and disposal facilities at their maximum, and comparative capacity of the facilities that will be available.

N. *Proposed Restoration Table* – Provide a proposed table based on the Groundwater Quality Data Summary for Production and Mine Area Wells (Tables 2A and 2B). Describe how restoration parameters were selected and how restoration values were determined in the restoration table under 30 TAC §§331.104 and 331.107(a)(1).

O. *Proposed Control Parameters Upper Limits Table* – Provide proposed control parameters for excursion detection in accordance with the requirements of 30 TAC §331.104 with a description of how the control parameters were selected and how the upper limits were determined under 30 TAC §331.104(e).

P. *Cost Estimates for Plugging and Abandonment of Wells and for Aquifer Restoration* – Provide cost estimates for the plugging and abandonment of all wells and for aquifer restoration and methodologies and assumptions in deriving the cost estimates [30 TAC 305.49(b)(6)].

Permit UR03095PAA1 Technical Report

Contents of the Technical Report requiring a professional engineer or professional geoscientist signature/seal have been individually signed and/or sealed, as appropriate.

A. *Area Permit Map*

Attachment IV-A contains the Area Permit Map.

B. *Updated Mine Area Map*

Attachment IV-B contains the Updated Mine Area Map.

C. *Proposed Production Area Map*

Attachment IV-C contains the Proposed Production Area Map.

D. *Description of the Production Area Geology and Hydrology*

Attachment IV.D contains the description of the production are geology and hydrology as well as figures associated with it.

E. *Contour Maps of Production Area Total Dissolved Solids (TDS) and Piezometric Levels*

Attachment IV-E contains the Contour Maps of TDS for the proposed PAA1. The piezometric level map of the Production Area is presented as Figure 3 in the Hydrologic Test Report contained within Attachment IV-G. For convenience, this figure from the Test Report is provide in Attachment IV-E.

F. *Well Logs, Completion Reports, and Mechanical Integrity Reports*

Attachment IV-F contains the Well Logs, Completion Reports, and Mechanical Integrity Reports

G. *Hydrologic Test Results and Interpretation*

Hydrologic testing of the PAA1 area was performed by Terra Dynamics, Inc. in March 2025, and was designed and performed following recommendations described within TCEQ Technical Guidance II. Attachment IV-G contains the results and interpretation of the hydrologic testing for PAA1.

H. *Cross-Sections of the Production Area*

Attachment IV-H contains the cross sections of the production area.

I. *Groundwater Quality Data for Production and Mine Area Wells*

Attachment IV-I contains the groundwater quality data for Production and Mine Area Wells. All water quality samples obtained as part of the PAA1 sampling program were analyzed and reported by ACZ Laboratories, a commercial analytical laboratory that has been accredited under the National Environmental Laboratory Accreditation Conference (NELAC) standard for matrices, methods, and parameters of analysis. URI's Quality Assurance Performance Plan (QAPP) assured that independent and representative samples were taken in accordance with 30 TAC §331.104.

As a result of all non-production wells being dry, no samples were able to be obtained. As such no data is available for the non-production wells. The analytical results for the mine area and production area wells were reviewed upon receipt and any reported values that appeared to be anomalous were followed up with the contract laboratory for them to investigate the reported values. Results of these inquiries, which are included within Attachment IV-I, indicated that all reported results passed all laboratory QA/QC protocols and are deemed to be valid results.

J. *Groundwater Quality Data Summary for Production and Mine Area Wells*

A summary of the parameter values from baseline and monitor wells showing high, average, and low parameter values for the production and non-production zones is presented in Attachment IV-J.

Pre mining ground water quality in the production zone can be described as fair. In general, it is slightly saline, and exceeds drinking water criteria for pH, chloride, TDS, arsenic, selenium, uranium and radium-226. These quality characteristics are often encountered in mineralized areas in the vicinity of uranium mineralization.

Sodium is present as the predominant cation, and chloride the predominant anion. Bicarbonate and sulfate are also present as anions. The average concentrations for the parameters chloride and TDS exceed EPA Secondary Drinking Water Regulations.

Arsenic averages 0.04 mg/l in the production zone which exceeds EPA Primary Drinking Water Standard of 0.01 mg/l. Similarly, the average selenium concentration of 0.11 mg/l exceeds EPA Primary Drinking Water Standard of 0.05 mg/l. Average concentrations in the production zone for chloride (325 mg/l) and TDS (980 mg/l) exceed secondary standards established by EPA which are 250 mg/l for chloride and 500 mg/l for TDS.

Uranium and uranium progeny (radium-226) is found in the water of the production zone in close association with the uranium mineral. The average concentrations for uranium and radium-226 exceed EPA Primary Drinking Water Standards with average concentrations of 0.42 mg/l and 94 pCi/l, respectively. The uranium standard is 0.03 mg/l and the radium-226 standard is 5.0 pCi/l.

K. *Restoration Progress Report*

PAA-1 will be the initial PAA for Area Permit UR03095. URI anticipates that similar restoration programs implemented at other sites will be effective in achieving restoration in all PAAs that will be associated with UR03095.

1. Restoration of the production zone will be achieved by reverse osmosis (RO) treatment. With the reverse osmosis techniques, injection and extraction operations continue at the facility. Produced water is processed through a RO unit which produces a nearly deionized fluid for reinjection. The injection water passes through the pores of the aquifer formation and replaces the affected water which is pumped to the surface. The net effect is that the resulting interstitial ground water quality becomes consistent with, and in many cases better than, pre-mining quality. The primary benefit of RO treatment is that a large fraction of the total water extracted is purified and reinjected, resulting in less water consumption and less ground water drawdown in the area.

   Up to 1000 gallons per minute of groundwater can be extracted from the mined zone. This water is then processed by RO treatment. Following RO treatment there are two grades of water, product or deionized water and reject or brine. The deionized water is reinjected into the mined zone at a rate of up to 750 gallons per minute which enhances restoration directly by sweeping the well fields. The brine is disposed of by deep well injection.

   Osmosis is a natural process that occurs in all living cells. With an appropriate semipermeable membrane as a barrier to solutions of differing concentrations, naturally occurring osmotic pressure forces pure water from the dilute solution to pass through the membrane and dilute the more concentrated solution. This process continues until equilibrium exists between the two solutions.

RO is a reversal of the natural osmotic process. By applying an opposite pressure greater than the naturally-occurring osmotic pressure on water containing dissolved solids, the majority of this water is passed through the membrane, resulting in the concentration of the original solution. The membrane rejects the passage of most of the dissolved solids while concurrently allowing the passage of water.

2. PAA-1 will be the initial PAA for Area Permit UR03095. URI anticipates that similar restoration programs implemented at other sites will be effective in achieving restoration in PAA-1.

   The restoration of ground water at the Upper Spring Creek ISR site will utilize the previously engineered array of injection and production wells that were initially installed in a configuration to maximize sweep efficiently throughout the uranium ore body to maximize uranium recovery. The same engineering principles hold for maximum sweep efficiency during the restoration phase. Ground water restoration is performed throughout the production zone and verified at individual sampling points. These engineering principles assure the restoration approach is sound.

   Restoration of the production zone will be achieved by RO treatment where the produced water processed through a RO unit produces a nearly deionized fluid for reinjection. This process proved to be effective on a commercial scale at numerous ISR operations around the United States, including in Texas at URI's production areas at the Rosita and Vasquez sites.

   Restoration progress will be monitored in accordance with 30 TAC §331.107(d). Semi-annual restoration progress reports will be submitted to TCEQ, beginning six months after restoration begins and continue until TCEQ acknowledges in writing that restoration has been accomplished. Restoration progress reports will include:

   - All water quality analytical data for the previous six months
   - Graphs of values for each restoration parameter for each baseline well
   - Volume of fluids injected and produced
   - Volume of fluids disposed
   - All water level measurements for the previous six months
   - A potentiometric map for the area of the production area authorization, based on the most recent water level measurements
   - A summary of progress achieved towards aquifer restoration

   Restoration rates are monitored through analysis of waters produced from the formation. A sample is taken weekly from the composite production line and analyzed for conductivity, chloride and uranium. When this data indicates that restoration is at

or near completion, each original baseline well will be sampled and analyzed for the parameters Ca, Na, HCO_3, SO_4, Cl, Ec and U.
When water quality data indicates that the average concentrations in baseline wells for all parameters are equal to or below the restoration table values in the PAA, restoration will be considered complete, and restoration will be demonstrated with stability monitoring.

Stability monitoring will begin a minimum of 60 days after restoration operations have ceased. Three sets of stability samples will be taken from all baseline wells and analyzed for the standard 26 parameters specified in the Restoration Table. TCEQ will be notified at least two weeks before stability sampling is conducted. Stability samples will be taken at least 30 days apart and the final set of samples will be taken at least one calendar year after restoration operations have ceased.

If necessary, following the restoration and stability required in 30 TAC 331.107, ISR operations can propose to return water quality to protective levels provided for in 30 TAC 331.107(g) taking into consideration the following regulatory criteria:

- Uses for which the groundwater was suitable at baseline water quality levels;
- Actual existing use of groundwater in the area prior to and during mining;
- Potential future use of groundwater of baseline quality, and of proposed restoration quality;
- The effort made by the permittee to restore the groundwater to baseline;
- Technology available to restore groundwater for particular parameters;
- The ability of existing technology to restore groundwater to baseline quality in the area under consideration;
- The cost of further restoration efforts;
- The consumption of groundwater resources during further restoration; and
- The harmful effects of levels of particular parameter.

Upon successful demonstration to TCEQ that groundwater restoration has been completed, the Class III wells will be plugged and abandoned in accordance with the approved closure plan as described within Section V.H of Area Permit UR03095.

3. Section IV-M of the Technical Report provides a detailed description of the fluid handling capacity associated with this application. The fluid balance demonstrates that the facility maintains sufficient fluid handling capacity even under full production mode in PAA1.

L. *Updated Mine Plan*

1. The Area Permit Map is presented in Attachment IV-B.

2. The estimated schedule of mining and groundwater restoration is provided in Attachment IV-L.

M. ***Updated Evaluation of Fluid Handling Requirements vs. Capacity***

A detailed calculation and tabulation of the volume of fluids to be handled by storage and disposal facilities at their maximum is provided in Attachment IV-M. The fluid balance has been updated to reflect current and projected volume usage by the satellite plant and disposal well(s). The fluid handling balances reflect a 1% bleed of total production flow and a 25% bleed of total restoration flow. The maximum combined disposal volume proposed by permit WDW-467 and WDW-468 is 500 gallons per minute (21,900,000 gallons per month, or 262,800,000 gallons per year). The fluid balance demonstrates that the facility maintains sufficient fluid handling capacity even under full production mode in PAA-1.

N. ***Proposed Restoration Table***

Attachment IV-N presents the Proposed Restoration Table for PAA-1.

The table was developed using data presented in Attachment IV-J in which the specific restoration table value was determined by using the highest mean concentration or value for each parameter based on all measurements from groundwater samples collected from baseline wells prior to mining activities. This consisted of eight (8) baseline wells.

This proposed restoration table was compared to the Area Permit Range Table. For any parameter whose restoration table value exceeded the Range Table value for that parameter, the restoration table value was adjusted downward to match the Range Table value.

Two (2) parameters met this condition: pH and carbonate. The average pH concentration was 8.2 while the Range Table value was 7.44. Similarly, carbonate averaged 3 mg/l while the Range Table high value for carbonate is < 2 mg/l. The proposed restoration table was revised to include the Range Table values for pH and carbonate.

O. ***Proposed Control Parameters Upper Limits Table***

Section V.E of Area Permit UR03095 specifies that the production zone and non-production zone upper control limits (UCL) for conductivity, chloride and alkalinity are to be determined as follows:

> Add 25% to the maximum **conductivity** value determined in the sampling of the production zone and non-production zone wells;

Add 25% to the maximum **chloride** value determined in the sampling of the production zone and non-production zone wells;

Add 25% to the maximum **alkalinity** value determined in the sampling of the production zone and non-production zone wells;

This criteria was applied to the water quality analyses referenced in Section IV-I and IV-J of the Technical Report to develop the UCLs for excursion detection.

Attachment IV-O presents the UCLs for the production zone and non-production zone associated with PAA1. Since the non-production wells did not contain any water for sampling, no UCLs are being proposed for the non-production zone.

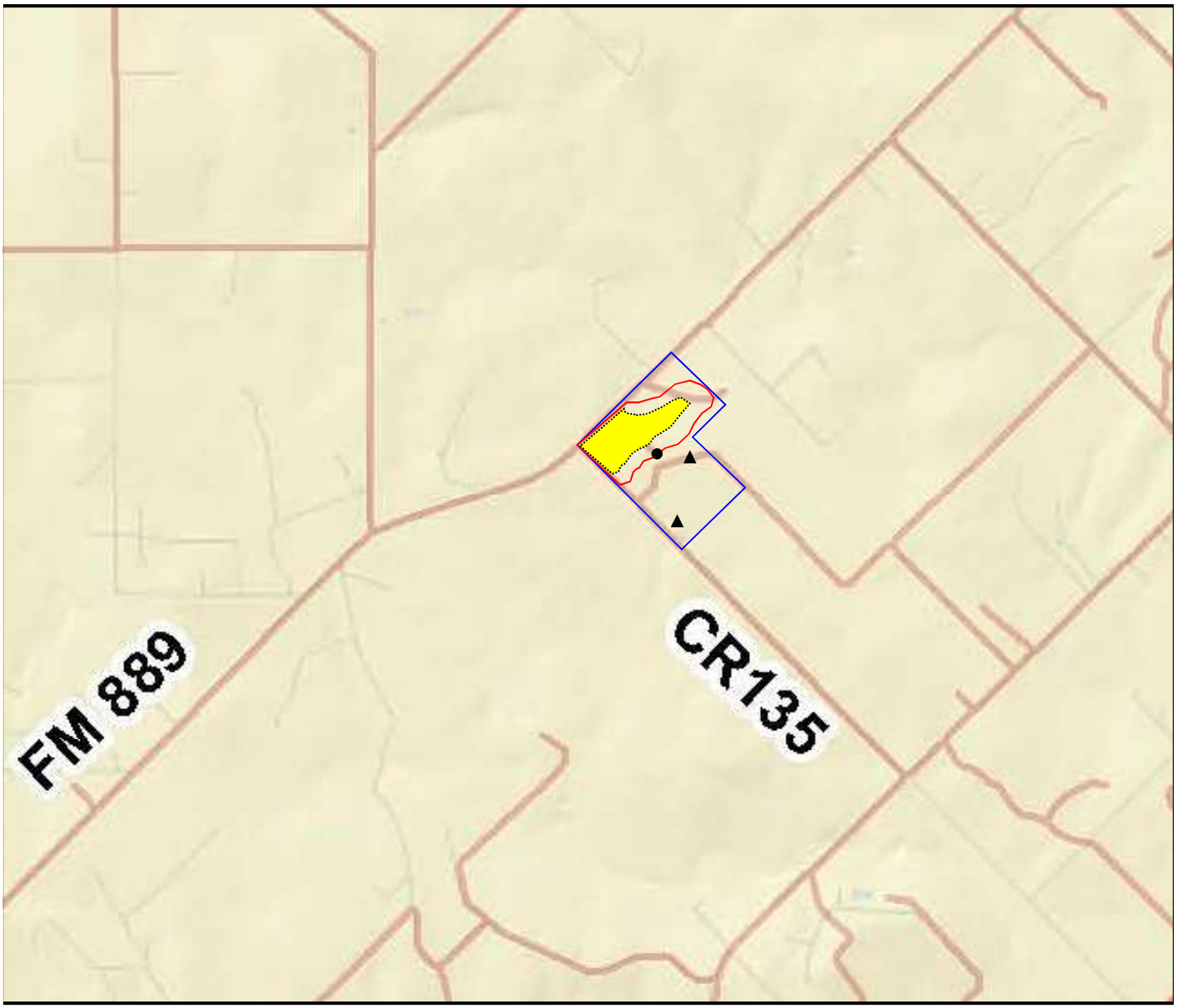
P. *Cost Estimates for Plugging and Abandonment of Wells and for Aquifer Restoration*

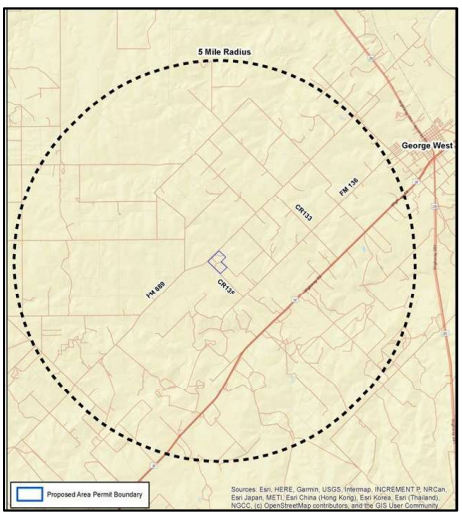
Detailed discussion and cost estimates for plugging and abandonment of Class III wells associated with PAA-1 is provided in Section III – Financial Assurance and Attachment C.

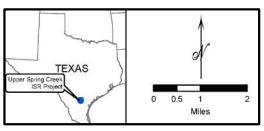
Cost estimates for aquifer restoration associated with Upper Spring Creek PAA-1 is provided in Attachment C-1. The cost estimate agreed to and approved by TCEQ will be incorporated into the financial assurance cost estimate associated with radioactive material license R03563.

Section IV-A
Area Permit Map

ATTACHMENT IV-A-1





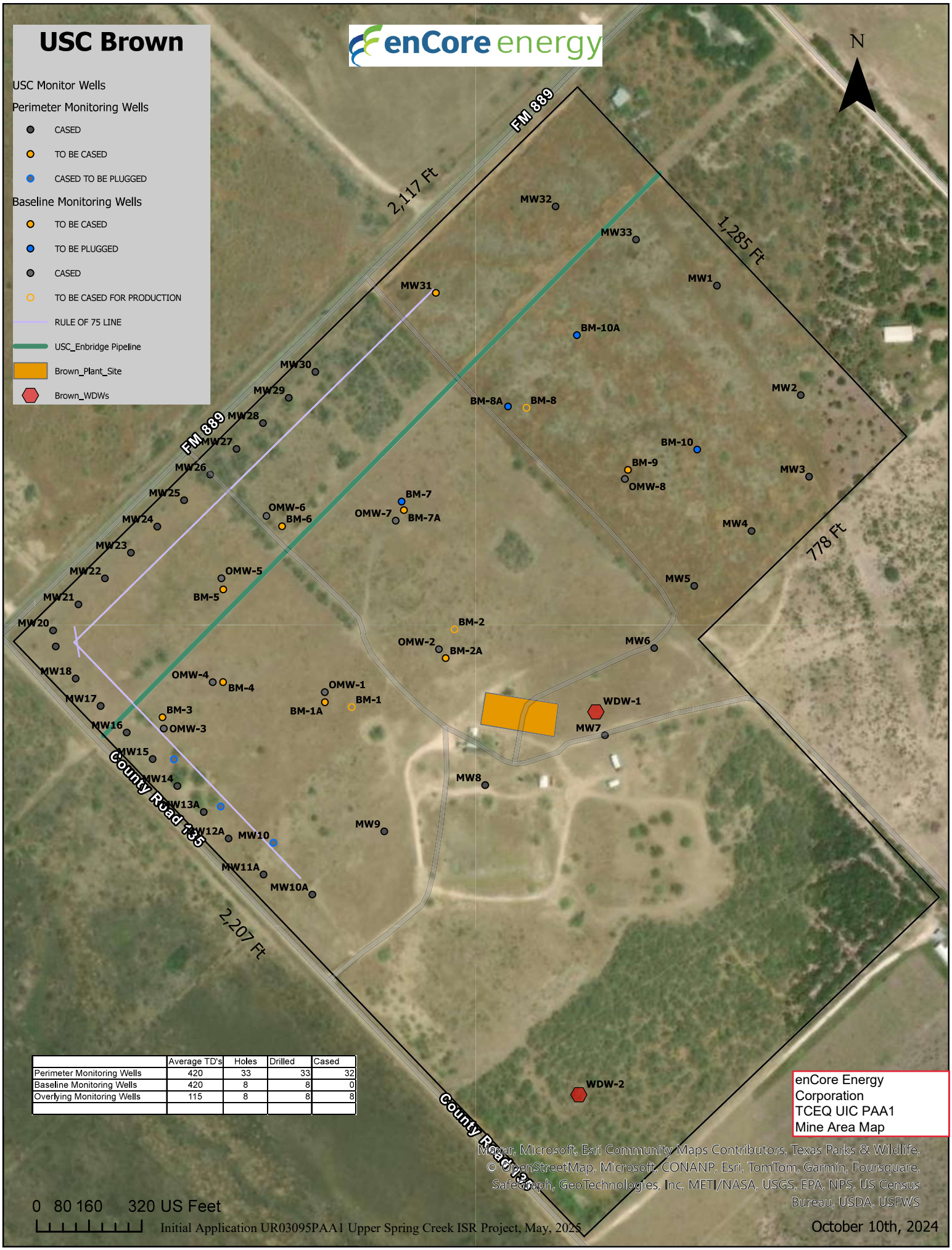


Permit Area – UR03095 (approximately 88 acres)
Projected Mine Area (approximately 48 acres)
Projected Production Area (approximately 29 acres)
Remote IX Facility
Class I Disposal Well

URI, Inc.
Upper Spring Creek Project

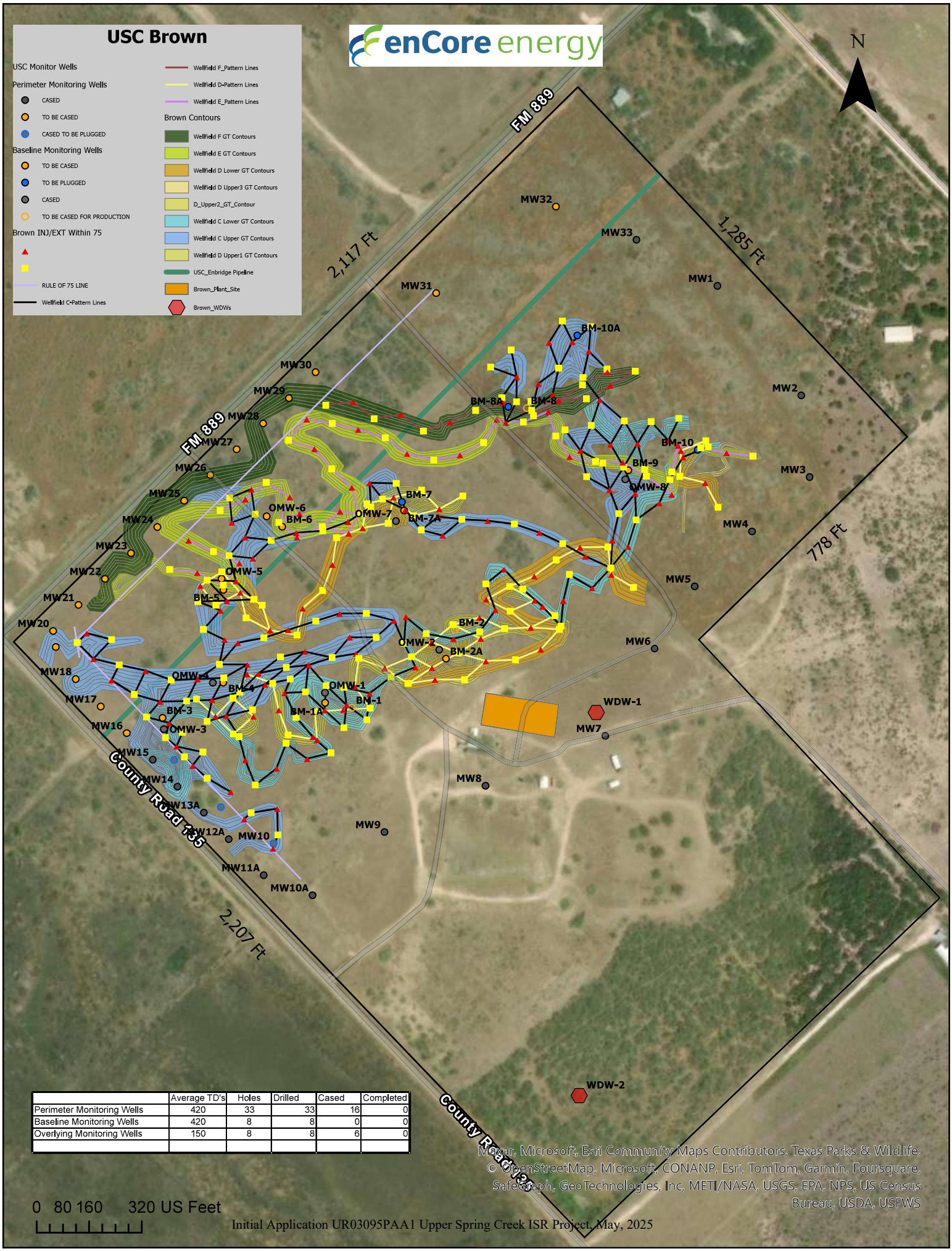
Permit UR03095PAA1
Area Permit Map

Section IV-B
Updated Mine Area Map



	Average TD's	Holes	Drilled	Cased
Perimeter Monitoring Wells	420	33	33	32
Baseline Monitoring Wells	420	8	8	0
Overlying Monitoring Wells	115	8	8	8

Section IV-C
Proposed Production
Area Map



	Average TD's	Holes	Drilled	Cased	Completed
Perimeter Monitoring Wells	420	33	33	16	0
Baseline Monitoring Wells	420	8	8	0	0
Overlying Monitoring Wells	150	8	8	6	0

Section IV-D
Description of Production Area
Geology and Hydrology

IV.D Permit Area Geology and Hydrology

IV.D.1 Permit Area Geology

The Project is entirely within the surface outcrop of the Oakville Sandstone. Some local areas of Quaternary alluvial deposits are present along intermittent streams. A generalized stratigraphic column for the Project, developed from geophysical and descriptive logs, is shown in Figure IV.D.1-1.

At the Project, organic silty clay and caliche extend from the ground surface to approximately 20 feet below ground surface (bgs). The Oakville Sandstone (which forms the Jasper Aquifer) extends from 20 to 370 feet bgs and is comprised of upper, middle, and lower Oakville Sand aquifers, and the upper and middle Oakville Clay confining zones. The upper Oakville Sand extends from 20 to 130 feet bgs, with a 20-foot-thick continuous clay unit (upper Oakville Clay) from 130 to 150 feet bgs. The middle Oakville Sand extends from 150 to 250 feet bgs. Some shallow uranium ore intercepts are found between 170 and 200 feet bgs, but it is doubtful that this uranium ore can be extracted using in situ recovery (ISR). Effective ISR extraction requires that uranium ore zones be fully saturated, with groundwater levels above the uranium ore so saturation is maintained when groundwater levels are lowered during mining.

The approximately 10-foot-thick laterally continuous middle Oakville Clay occurs at 250 to 280 feet bgs and is a major confining zone for the Project uranium ore body. Hard calcite cemented sandstone is usually found above the ore body at a depth of 270 to 280 feet bgs and is about 5 to 10 feet thick. The lower Oakville Sand is generally a fine- to medium-grained, moderately- to well-sorted sand, encountered at the Project from 280 to 370 feet bgs. The lower Oakville Sand contains the Project ore body and is the injection/production zone and the geologic interval to be mined. The Catahoula Tuff lies below the Oakville Sandstone at approximately 370 feet bgs. No significant uranium mineralization has been found in the Catahoula Tuff. A geophysical log of drill hole 143-0001, drilled to 460 feet bgs, found no uranium mineralization in the Catahoula Tuff.

Two strike-oriented and two dip-oriented cross sections and a cross-section line location map are provided as Figures IV-H-1 through IV-H-4. The strike of the Oakville Sandstone at the Project is northeast-southwest with dip to the southeast, consistent with regional strike and dip. Across the project area, the top of the Oakville Sandstone dips approximately 60 to 80 feet per mile. The Project ore body lies between two northeast trending Wilcox faults that are likely syndepositional. The downthrown side of the faults functioned as a depocenter, particularly for sands. The increased number of sand units in the downthrown block relative to the footwall is characteristic of the Texas Gulf Coast structural style (Figure IV.D.1-7, Bebout, et. al. 1982). The Wilcox faults possibly acted as a conduit for reductant hydrogen sulfide at the Project. The sands containing the ore body are entirely reduced, and no oxidation/reduction contacts are visible in cuttings

The uranium ore body hosted in the Oakville Sandstone at the Project is typical of South Texas uranium roll-front deposits. Project roll front ore horizons with an average thickness of 10 feet are found in the Oakville Sandstone between 290 and 370 feet bgs, between the middle Oakville Clay and the underlying Catahoula Tuff clay confining zones. In the initially proposed mine area, mineralization consistently occurs in the lower Oakville Sand at a depth of 300 to 320 feet bgs.

IV.D.2 Permit Area Hydrology

The Oakville Sandstone (Jasper Aquifer) is the uppermost aquifer in the project area. EPA Aquifer Exemption 6-114 for the Oakville Sandstone (Figure X-1) extends over the Project from

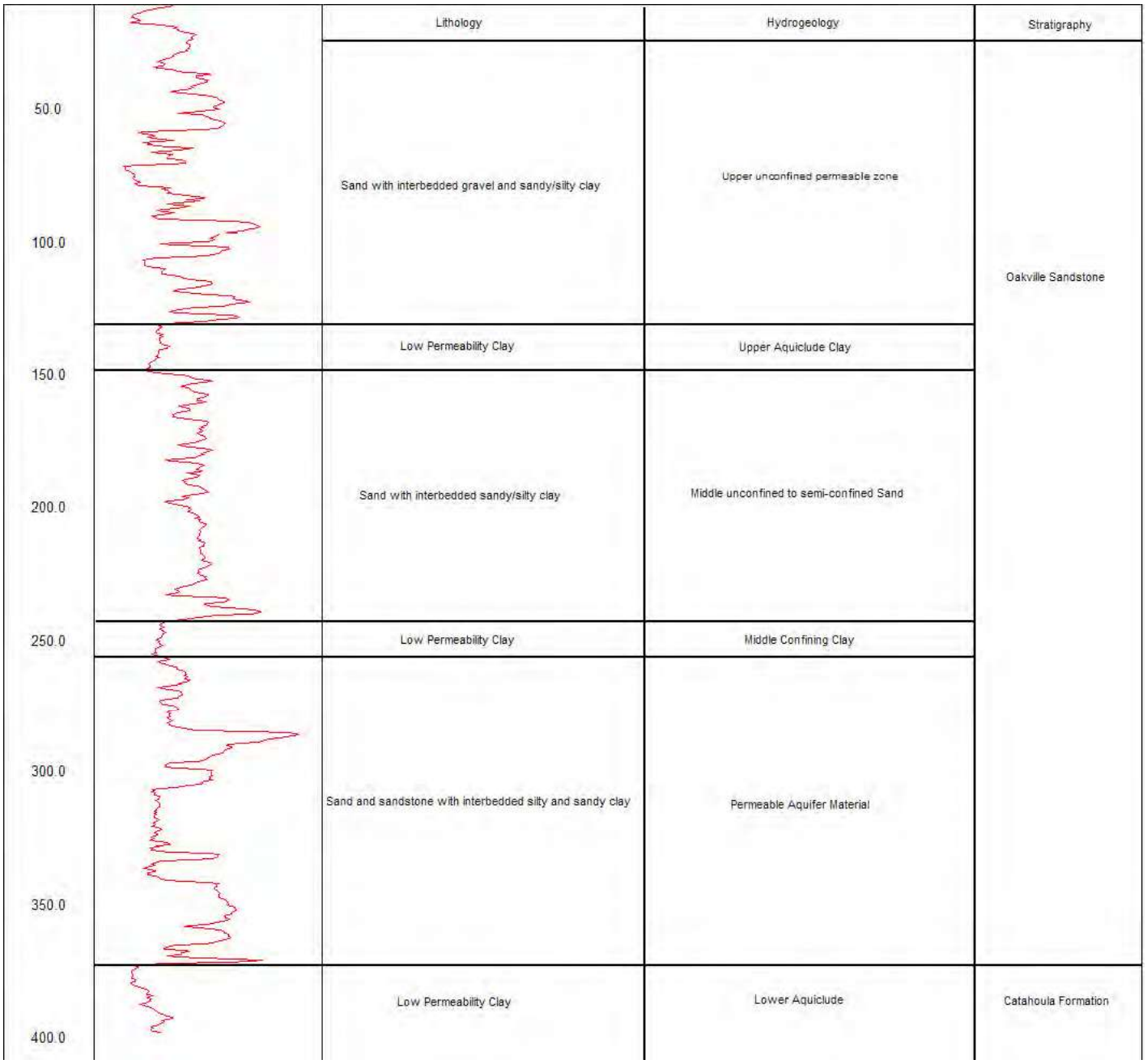
100 feet above mean sea level (msl) to 300 feet below msl (EPA 2022). The ground surface elevation at the Project is approximately 275 to 310 feet above msl, so the Jasper Aquifer is exempted from approximately 175 to 610 feet bgs. The production zone that will be mined at the Project is entirely within the existing aquifer exemption.

The water level in the Jasper Aquifer is approximately 195 to 250 feet bgs, so it is unlikely that the upper Oakville Sand is saturated. If unsaturated, the upper Oakville Sand would not be considered an aquifer.

The middle Oakville Clay within the Oakville Sandstone serves as the overlying confining zone at the Project, and the underlying Catahoula Tuff serves as the lower confining zone. The approximately 10-feet-thick laterally continuous middle Oakville Clay is present above the lower Oakville Sand throughout much of the proposed production area. The middle Oakville Clay confines the highly mineralized lower Oakville Sand, with vertical hydraulic conductivity that is significantly less than horizontal hydraulic conductivity. The Catahoula Tuff is a regional confining zone, and at the Project contains up to 90 feet of clay below the lower Oakville Sand. No underlying aquifer below the upper contact of the Catahoula Tuff has been identified in any of the drill holes at the Project.

At the regional scale, the groundwater within the Oakville Sandstone (Jasper Aquifer) flows southeast toward the Gulf of Mexico, the regional groundwater discharge area (Anders and Baker 1961). At the local scale, groundwater flow is influenced by local topography, pumping, and recharge/discharge areas. Consequently, the local direction of groundwater flow may be different than the regional direction of groundwater flow. Groundwater levels previously measured in twenty wells in the Jasper Aquifer at and around the Project are shown along with the potentiometric surface in Figure IV.D.2-1; these water level measurements were made on February 25 and March 3, 2014. The general groundwater flow direction within the permit area is to the southwest-southeast with a gradient of less than 0.03 ft/ft. Previous hydrologic testing performed by U.S. Steel Corporation (USX) reportedly found the groundwater velocity in the project area was 0.037 ft/day (Signal Equities 2014).

Resistivity Log of
Borehole 103-0038



Source: Stratigraphy modified from Texas Water Development Board Report 365 (p. 38), February 2006.

STATE OF TEXAS
CHRISTOPHER MCDOWELL
GEOLOGY 10/7/22
15284
LICENSED
PROFESSIONAL GEOSCIENTIST

Western Water Consultants, Inc.
Registration No. 50662

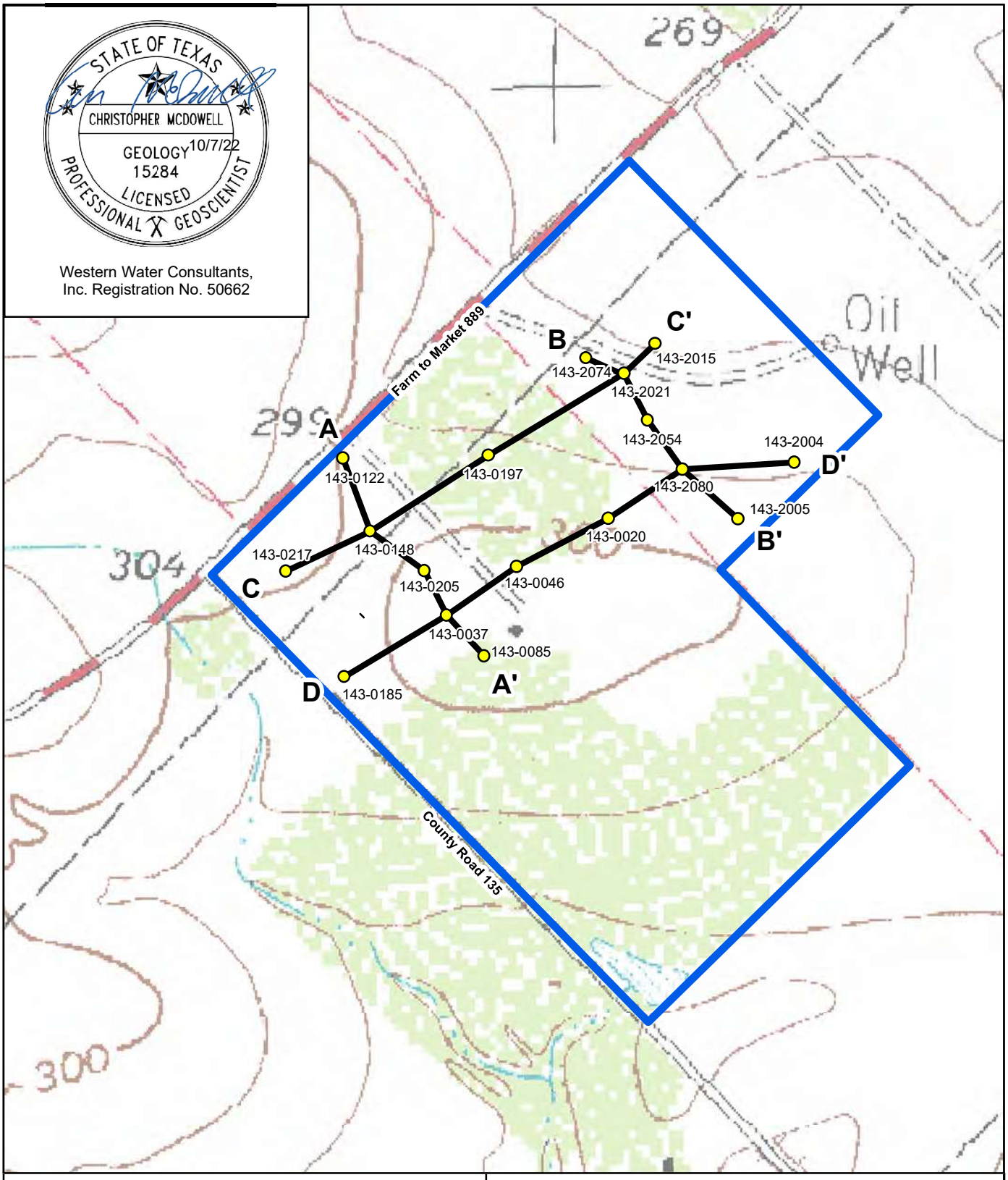
PROJECT AREA GENERALIZED STRATIGRAPHIC/ HYDROSTRATIGRAPHIC COLUMN

Upper Spring Creek ISR Project
Live Oak County, Texas

Date: Sept. 2022
By: WWC

enCore energy

Figure IV.D.1-1



STATE OF TEXAS
CHRISTOPHER MCDOWELL
GEOLOGY 15284
10/7/22
LICENSED PROFESSIONAL GEOSCIENTIST

Western Water Consultants,
Inc. Registration No. 50662

Proposed Area Permit Boundary
Cross Section Locations
Drill Holes

N

0 125 250 500
Feet

CROSS-SECTION LINE LOCATION MAP

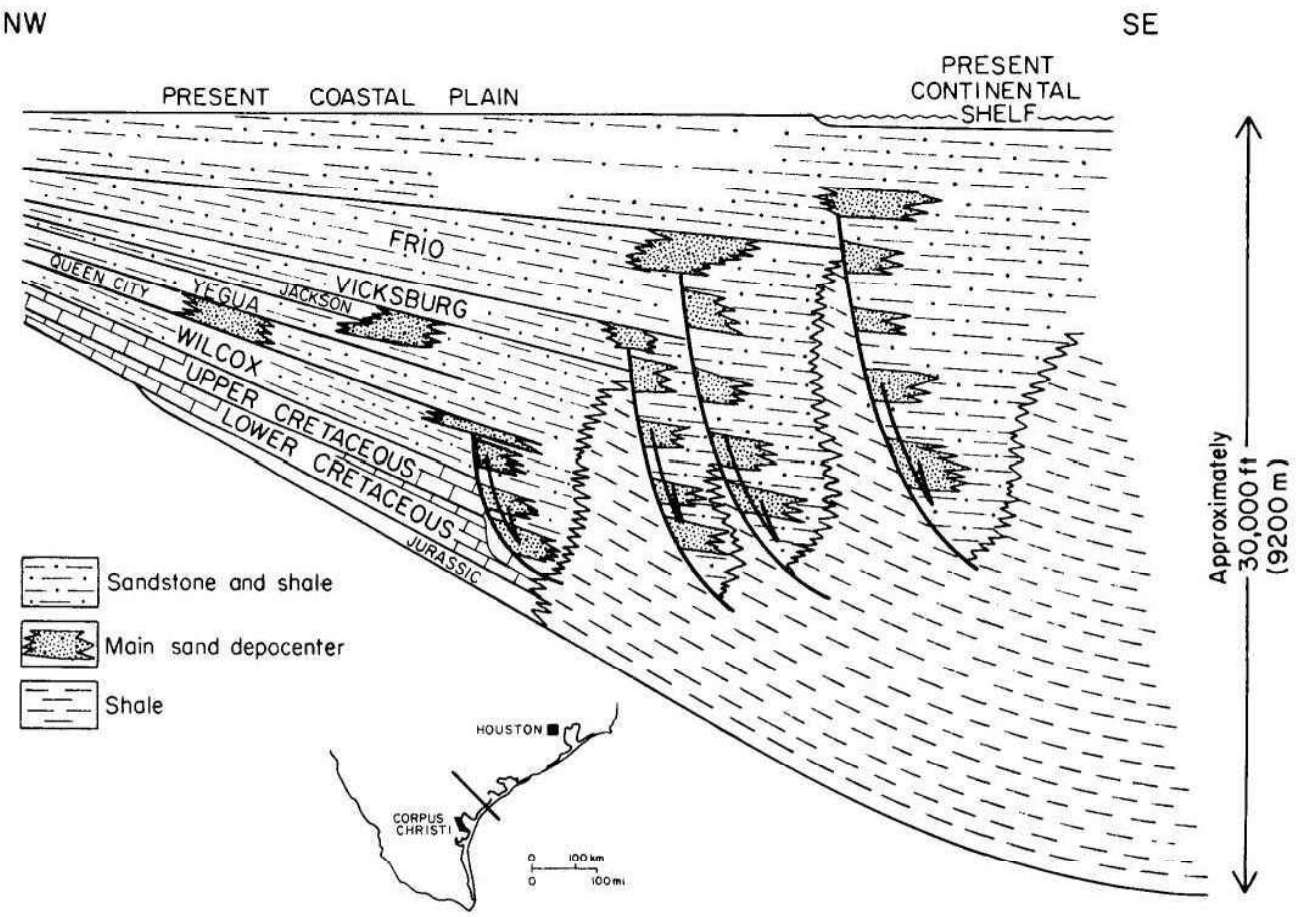
Upper Spring Creek ISR Project
Live Oak County, Texas

Date: Sept. 2022
By: WWC

enCore energy

Figure IV.D.1-2

K:\Sheridan\enCore Energy Corp\2021527 Texas Permitting\06GIS\BROWN_NAD83SP_TX_SOUTHCENTRAL__CLASS 3 EXHIBITS\Figure V.B.1-2_XSECT_LocationMap.mxd



STATE OF TEXAS
CHRISTOPHER MCDOWELL
GEOLOGY 15284
10/7/22
LICENSED PROFESSIONAL GEOSCIENTIST

Western Water Consultants, Inc.
Registration No. 50662

Source: Bebout et. al, 1982, Wilox Sandstone Reservoirs in the deep subsurface along the Texas Gulf Coast, University of Texas at Austin Bureau of Economic Geology Report of Investigations No. 117

GULF COAST IDEALIZED CROSS-SECTION

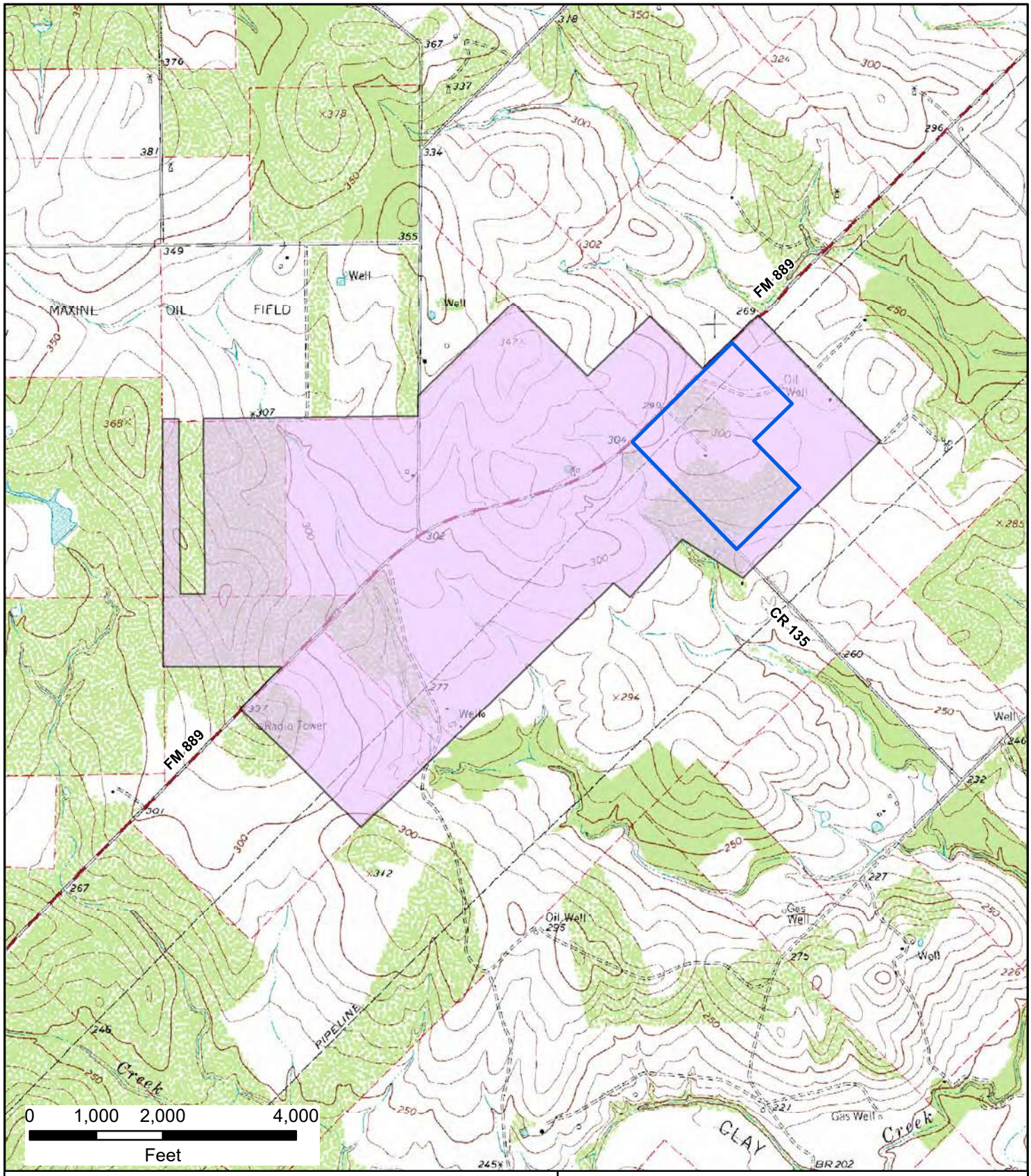
Upper Spring Creek ISR Project
Live Oak County, Texas

Date: Sept. 2022

By: WWC

enCore energy

Figure IV.D.1-7



Proposed Area Permit Boundary

Aquifer Exemption Area

Aquifer Exemption Vertical Extent:
100 to -300 ft mean sea level

EPA AQUIFER EXEMPTION 6-114 LOCATION

Upper Spring Creek ISR Project
Live Oak County, Texas

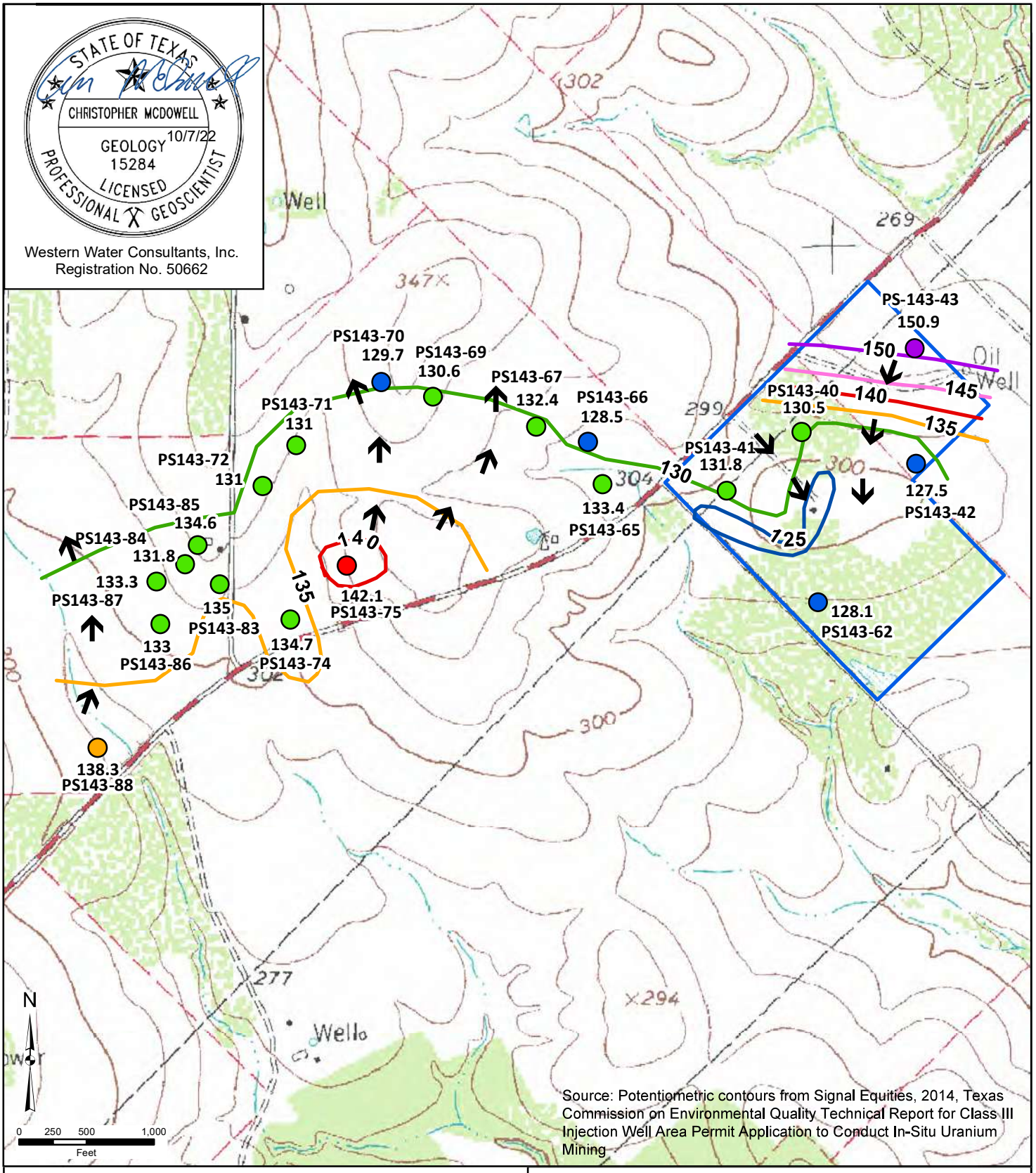
Date: Sept. 2022

By: WWC

enCore energy

Figure X-1

K:\Sheridan\enCore Energy Corp\2021527 Texas Permitting\06GIS\BROWN_NAD83SP_TX_SOUTHCENTRAL__CLASS 3 EXHIBITS\Figure XI-1_AquiferExempLocation.mxd



PROJECT AREA POTENTIOMETRIC SURFACE MAP

Upper Spring Creek ISR Project
Live Oak County, Texas

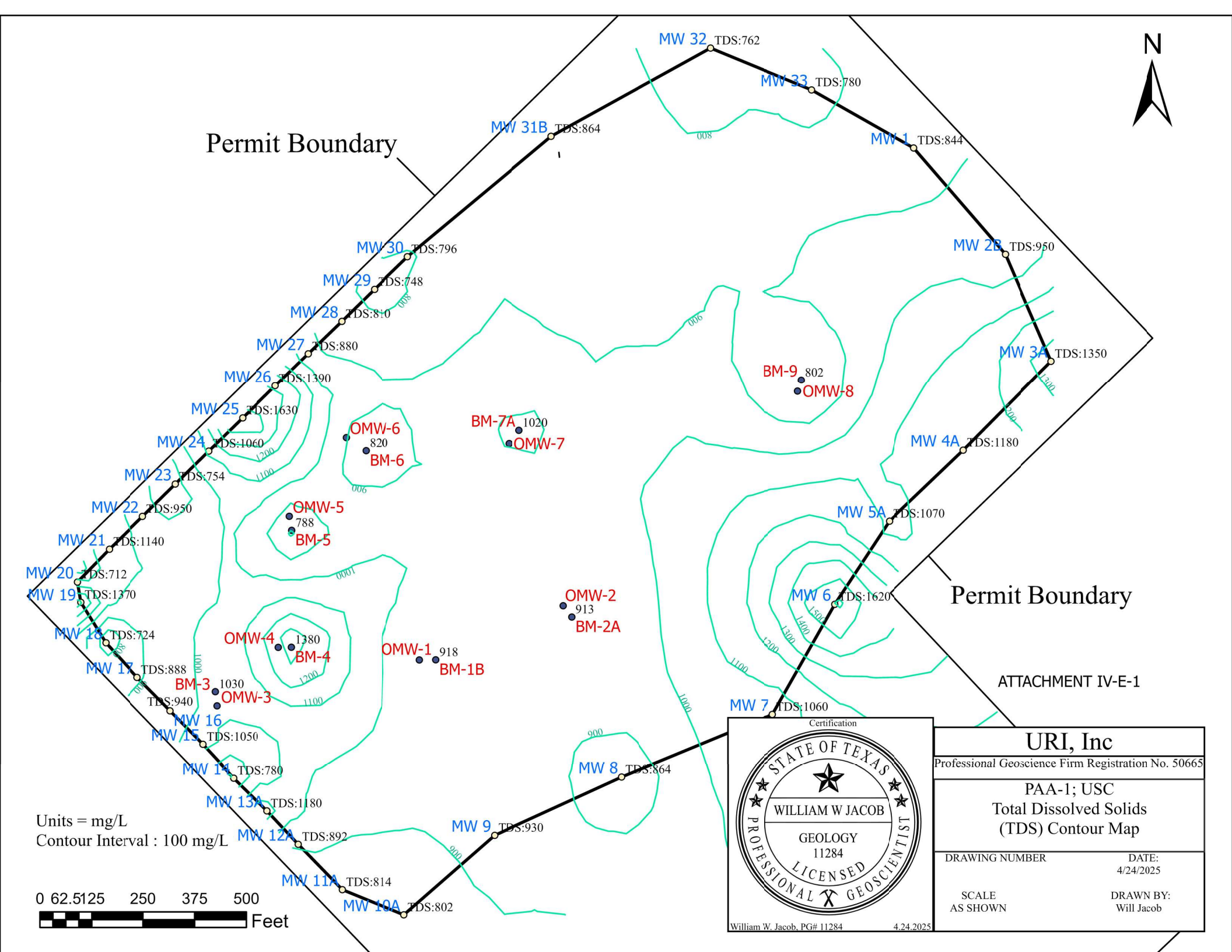
Date: Sept. 2022
By: WWC

enCore energy

Figure IV.D.2-1

K:\Sheridan\enCore Energy Corp\2021527 Texas Permitting\06GIS\BROWN_NAD83SP_TX_SOUTHCENTRAL__CLASS 3 EXHIBITS\Figure V.B.2-1_PotentiometricMap.mxd

Section IV-E
Contour Maps of Production Area Total Dissolved Solids


N
Permit Boundary
Permit Boundary
MW 32 TDS:762
MW 33 TDS:780
MW 31B TDS:864
MW 1 TDS:844
MW 30 TDS:796
MW 29 TDS:748
MW 28 TDS:810
MW 27 TDS:880
MW 26 TDS:1390
MW 25 TDS:1630
MW 24 TDS:1060
MW 23 TDS:754
MW 22 TDS:950
MW 21 TDS:1140
MW 20 TDS:712
MW 19 TDS:1370
MW 18 TDS:724
MW 17 TDS:888
TDS:940
MW 16
MW 15 TDS:1050
MW 14 TDS:780
MW 13A TDS:1180
MW 12A TDS:892
MW 11A TDS:814
MW 10A TDS:802
MW 9 TDS:930
MW 8 TDS:864
MW 7 TDS:1060
MW 6 TDS:1620
MW 5A TDS:1070
MW 4A TDS:1180
MW 3A TDS:1350
MW 2B TDS:950
BM-9 802
OMW-8
BM-7A 1020
OMW-7
OMW-6 820
BM-6
OMW-5 788
BM-5
OMW-2 913
BM-2A
OMW-4 1380
BM-4
OMW-1 918
BM-1B
BM-3 1030
OMW-3
800
900
1000
1100
1200
1300
1400
1500
Units = mg/L
Contour Interval : 100 mg/L
0 62.5125 250 375 500
Feet
ATTACHMENT IV-E-1
Certification
STATE OF TEXAS
WILLIAM W JACOB
GEOLOGY
11284
LICENSED
PROFESSIONAL GEOSCIENTIST
William W. Jacob, PG# 11284 4.24.2025
URI, Inc
Professional Geoscience Firm Registration No. 50665
PAA-1; USC
Total Dissolved Solids
(TDS) Contour Map
DRAWING NUMBER
DATE:
4/24/2025
SCALE
AS SHOWN
DRAWN BY:
Will Jacob

Section IV-F
Well Logs, Completion Reports, and Mechanical Integrity Reports

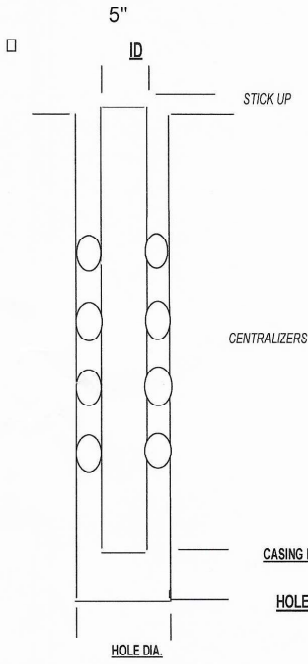
Section IV-F.1
Well Reports

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD _____ Cased 9-24-24

WELL ID MW-13A **DATE** 9/19/2024 **DRILLER** Chris-NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.75	JOINTS @ 20'	295'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	295'
STICKUP ABOVE GL	1'
LANDED DEPTH	294'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~36~~	7.7	67.68	11bbls @	13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.7 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS: _____

TOPPING OFF: FALLBACK DEPTH: _____

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Leon Cluyer

ENCORE ENERGY CORP

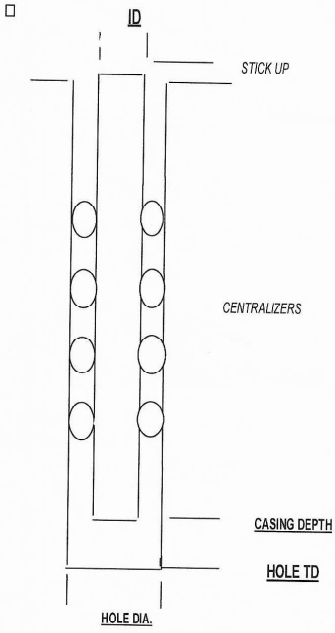
Upper Spring Creek: Brown

Cased 9-20-24

CASING RECORD

WELL ID MW-14 DATE 9/19/2024 DRILLER Chris - NBL

5"



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	~~36~~ bulk	7.7	67.68	11bbls @	~~13.5~~ 13.7
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

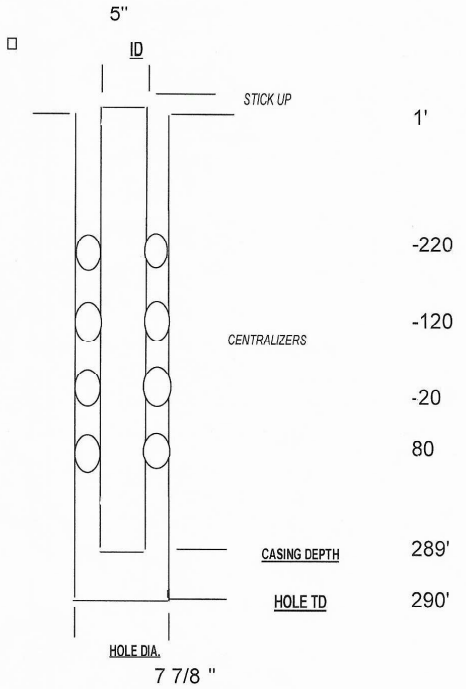
SIGNATURE of CEMENTER Edwards

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD Cased - 9-23-24

WELL ID MW-15 **DATE** 9/19/2024 **DRILLER** Chris - NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	36 (SKS CMT)	7.7 (BBL WATER)	67.68 (LBS)	11bbls (BBL SURRY)	@ ~~13.5~~ 13.7 (LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: _____ BBL

REMARKS: _____

TOPPING OFF: FALLBACK DEPTH: _____

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Aaron Chrysler

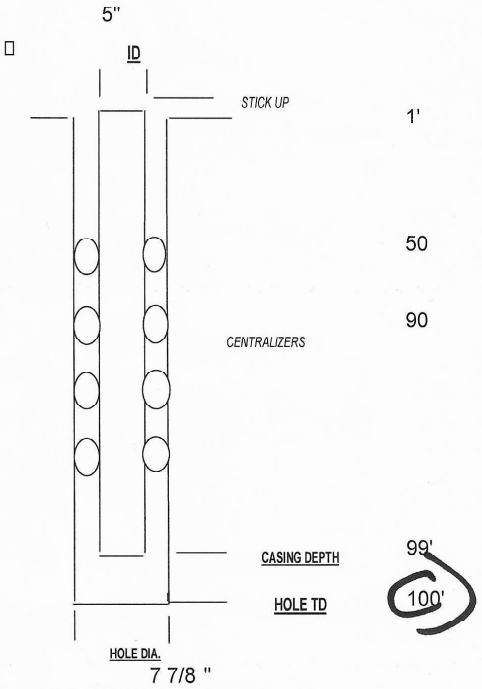
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

Cased - 9-23-24

WELL ID OMW-1 **DATE** 9/19/2024 **DRILLER** Joe - Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

5	JOINTS @ 20'	100'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	100'
STICKUP ABOVE GL	1'
LANDED DEPTH	99'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	12	2.6	22.56	4bbls @	13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 1.9 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: _____ BBL

REMARKS: _____

TOPPING OFF: FALLBACK DEPTH: _____

POURED DRY, FROM SURFACE. CHASED WITH WATER.

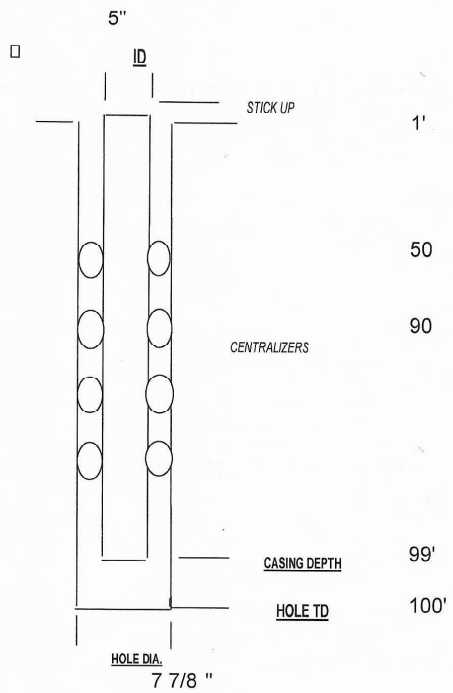
SIGNATURE of CEMENTER Lee Chapman

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD 9-24-24

WELL ID OMW-2 DATE 9/19/2024 DRILLER Joe - Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

5	JOINTS @ 20'	100'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	100'
STICKUP ABOVE GL	1'
LANDED DEPTH	99'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~12~~ (SKS CMT)	2.6 (BBL WATER)	22.56 (LBS)	4bbls @ (BBL SURRY)	13.6 ~~13.5~~ (LB/GAL)

DISPLACED WITH 1.9 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER

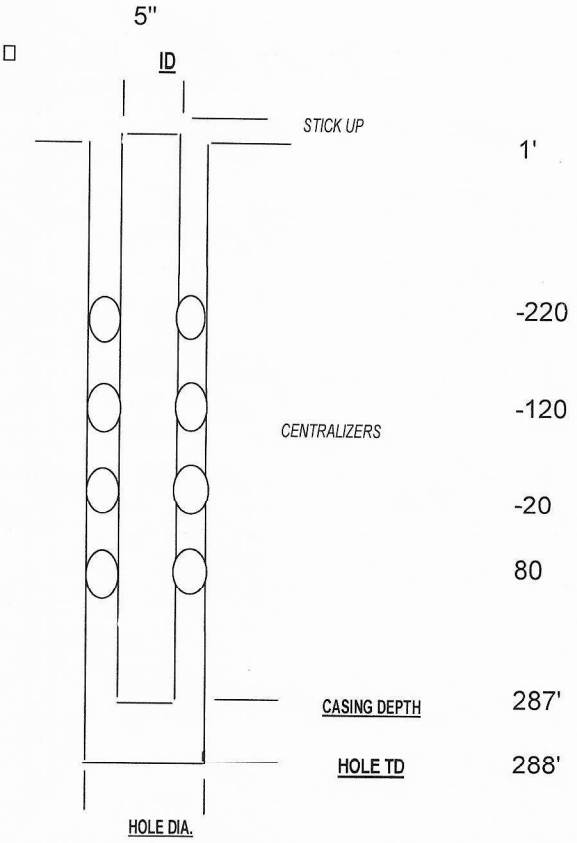
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased - 9-26-24

WELL ID MW-18 DATE 9/19/2024 DRILLER Joe - Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.4	JOINTS @ 20'	288'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	288'
STICKUP ABOVE GL	1'
LANDED DEPTH	287'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~36~~	7.7	67.68	11bbls @	13.6 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.5 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Lea Clyx

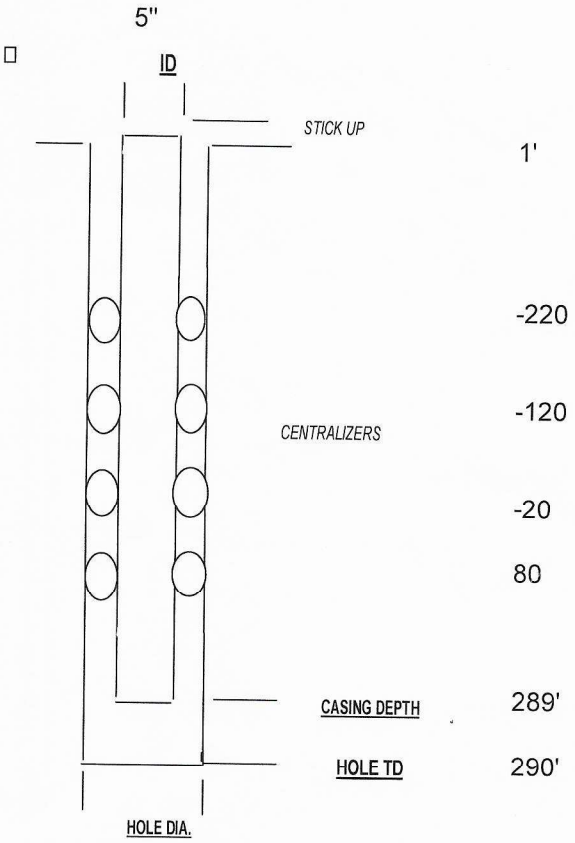
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased 9-27-24

WELL ID MW-19 DATE 9/19/2024 DRILLER Joe: Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~36~~	7.7	67.68	11bbls @	13.7 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.6 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Aca Chyn

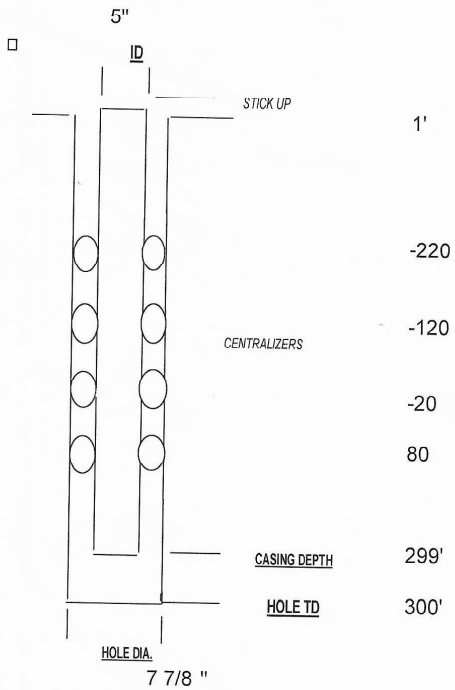
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-10A DATE 9/19/2024 DRILLER Chris-NBL

cased 9/19/24



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

15	JOINTS @ 20'	300'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	300'
STICKUP ABOVE GL	1'
LANDED DEPTH	299'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~37~~ (SKS CMT)	7.9 (BBL WATER)	69.56 (LBS)	11bbls (BBL SURRY)	@ 13.5 (LB/GAL)

DISPLACED WITH 6.8 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 0 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Aaron Chrysler

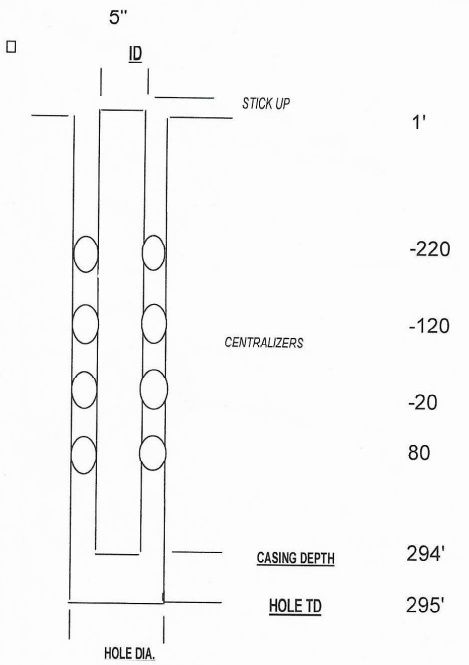
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased 9/19/24

WELL ID MW-11A 11A **DATE** 9/19/2024 **DRILLER** Chris - NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.75	JOINTS @ 20'	295'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	295'
STICKUP ABOVE GL	1'
LANDED DEPTH	294'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk 36 ~~SKS~~	7.7	67.68	11bbls @	13.6 ~~13.5~~
	(SKS CMT)	(DBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.7 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Aaron Chapman

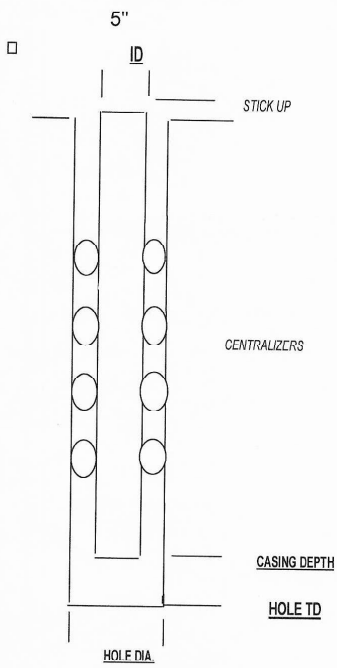
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

Cased - 9-23-24

WELL ID MW-12A **DATE** 9/19/2024 **DRILLER** Joe-Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

15	JOINTS @ 20'	300'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	300'
STICKUP ABOVE GL	1'
LANDED DEPTH	299'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND, TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	37 (SKS CMT)	7.9 (BBL WATER)	69.56 (LBS)	11bbls (BBL SURRY)	@ 13.5 (LB/GAL)

DISPLACED WITH 6.8 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 0 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Lea Clay

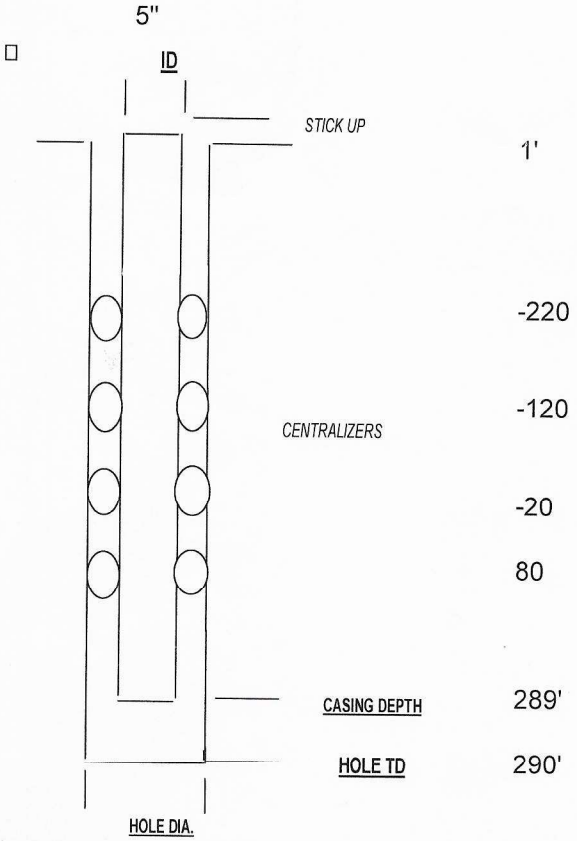
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased - 9-30-24

WELL ID MW-22 DATE 9/19/2024 DRILLER Chris - NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk 36 (SKS CMT)	7.7 (BBL WATER)	67.68 (LBS)	11bbls @ 13.5 (BBL SURRY) (LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER

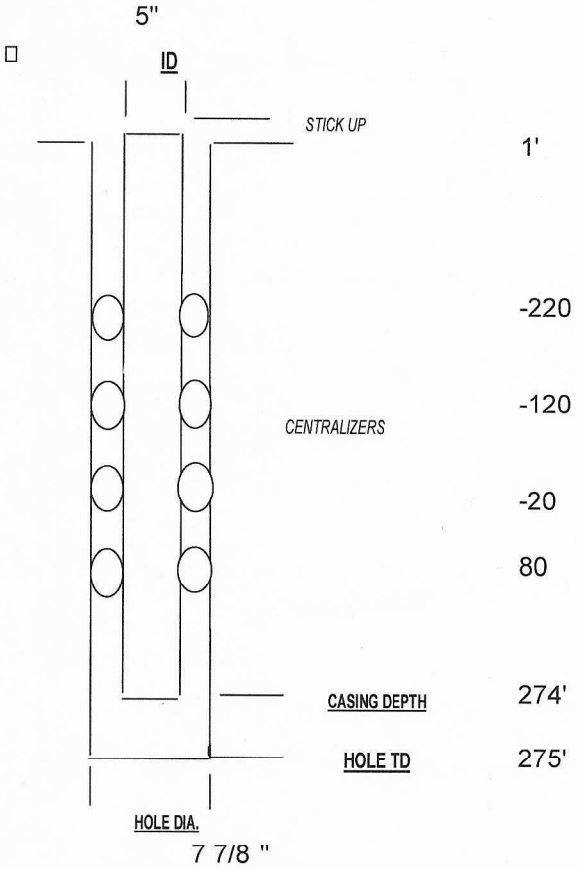
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

Cased - 9-25-24

WELL ID MW-33 DATE 9/23/2024 DRILLER Joe-Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

13.75	JOINTS @ 20'	275'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	275'
STICKUP ABOVE GL	1'
LANDED DEPTH	274'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~34~~	7.2	63.92	10bbls @	18.9 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.2 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 0 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER [signature]

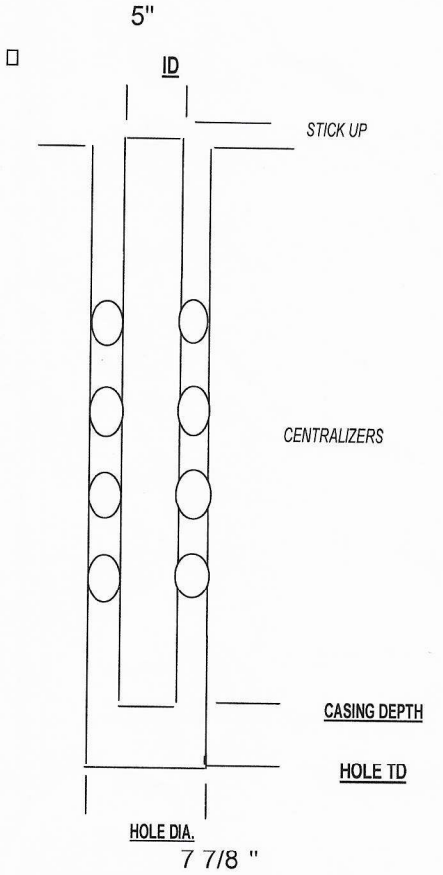
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased - 9-25-24

WELL ID OMW-8 DATE 9/23/2024 DRILLER Joe-Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

5	JOINTS @ 20'	100'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	100'
STICKUP ABOVE GL	1'
LANDED DEPTH	99'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	~~12~~ bulk	2.6	22.56	4bbls @	13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 1.9 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Aaron Cooper

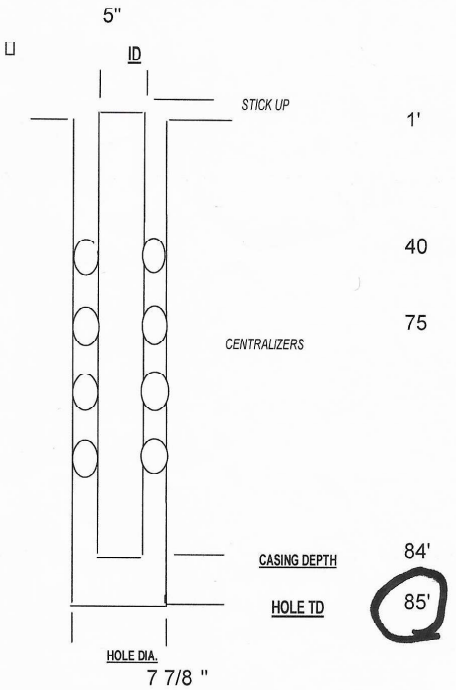
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

Cased - 9-23-24

WELL ID OMW-3 DATE 9/23/2024 DRILLER Chris - NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

4.25	JOINTS @ 20'	85'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	85'
STICKUP ABOVE GL	1'
LANDED DEPTH	84'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT

TOTAL:	10 (SKS CMT)	2.1 (BBL WATER)	18.8 (LBS)	3bbls (BBL SLURRY)	@ ~~13.5~~ 13.6 (LB/GAL)

DISPLACED WITH 1.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: ½ BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Lea Clyne

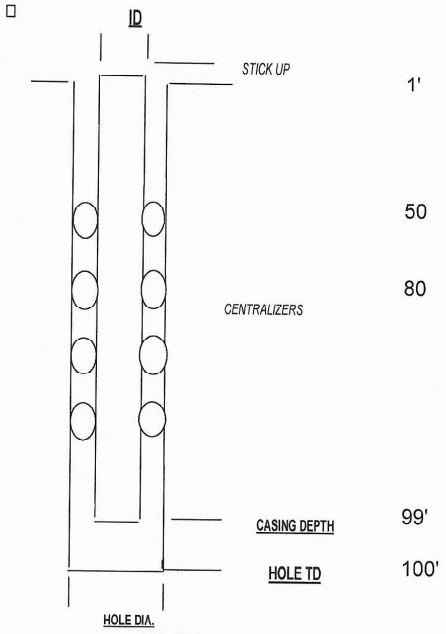
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD 9-24-24

WELL ID OMW-4 DATE 9/23/2024 DRILLER Chris - NBL

5"



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

5	JOINTS @ 20'	100'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	100'
STICKUP ABOVE GL	1'
LANDED DEPTH	99'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	12 (SKS CMT)	2.6 (BBL WATER)	22.56 (LBS)	4bbls (BBL SURRY)	@ 13.5 (LB/GAL)

DISPLACED WITH 1.9 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Lea Chase

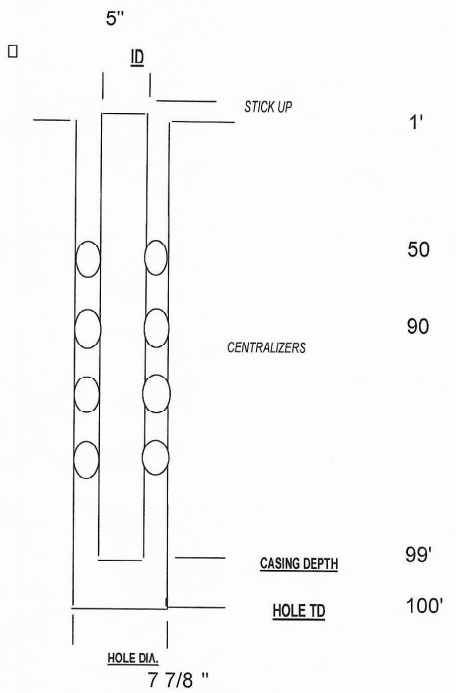
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased 9-24-24

WELL ID OMW-7 **DATE** 9/23/2024 **DRILLER** Joe - Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

5 JOINTS @ 20'	100'
+ CUT JOINT	
+ ACCESSORY	N/A
+ ACCESSORY	N/A

TOTAL CASING STRING	100'
STICKUP ABOVE GL	1'
LANDED DEPTH	99'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~12~~ (SKS CMT)	2.6 (BBL WATER)	22.56 (LBS)	4bbls @ (BBL SURRY)	13.7 ~~13.5~~ (LB/GAL)

DISPLACED WITH 1.9 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Joe Chyca

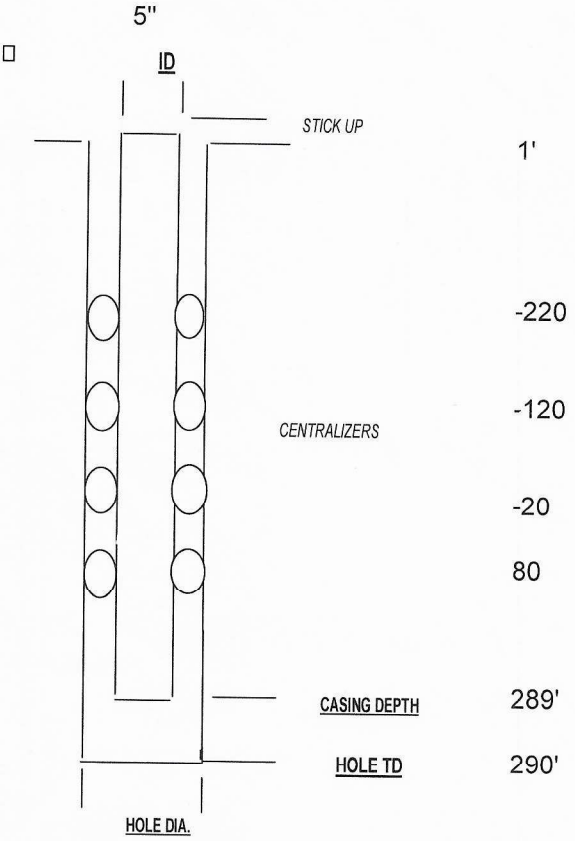
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased-9-27-24

WELL ID MW-16 DATE 9/23/2024 DRILLER Chris-NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk 36	7.7	67.68	11bbls @	13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Aaron Chapa

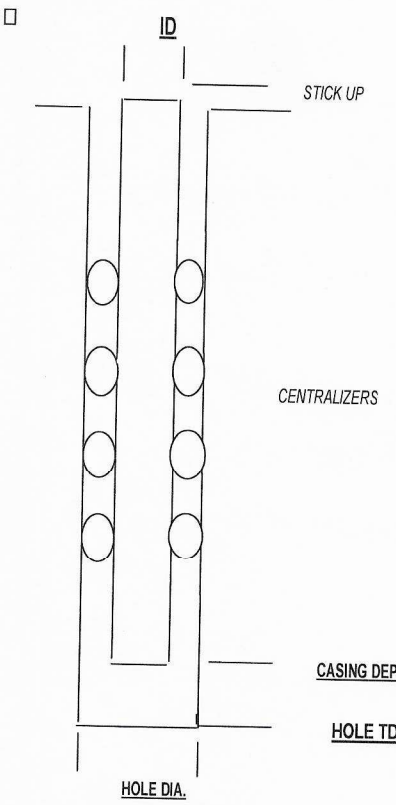
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-20 DATE 9/24/2024 DRILLER Joe-Perco

Cased-9-30-24



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:				
bulk ~~36~~	7.7	67.68	11bbls @	13.7 ~~13.5~~
(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Eduardo Garza

ENCORE ENERGY CORP

Upper Spring Creek: Brown

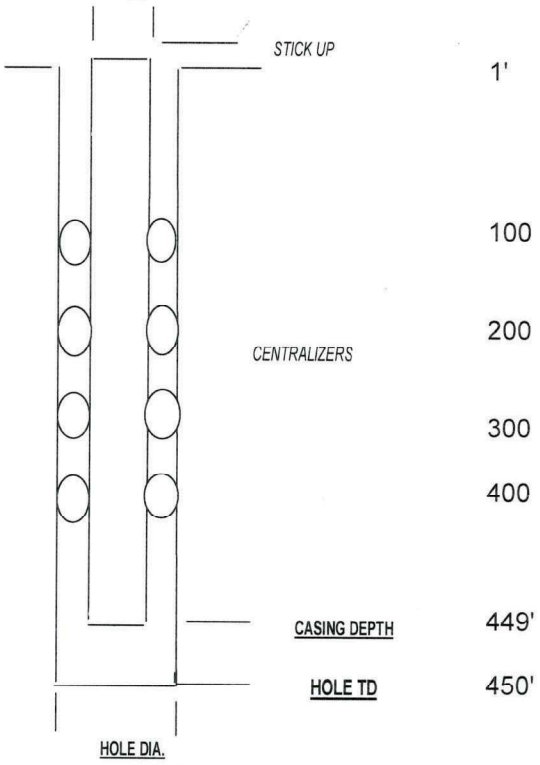
CASING RECORD

WELL ID BM-2 DATE 9/25/2024 DRILLER Joe-Perco

Cased - 10-29-24

6"

ID



8 3/4 "

CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

22.5	JOINTS @ 20'	450'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	450'
STICKUP ABOVE GL	1'
LANDED DEPTH	449'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~59~~	12.6	110.92	18bbls @	13.6 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 14.7 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: ½ BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

SLURRY FROM SURFACE.

SIGNATURE of CEMENTER

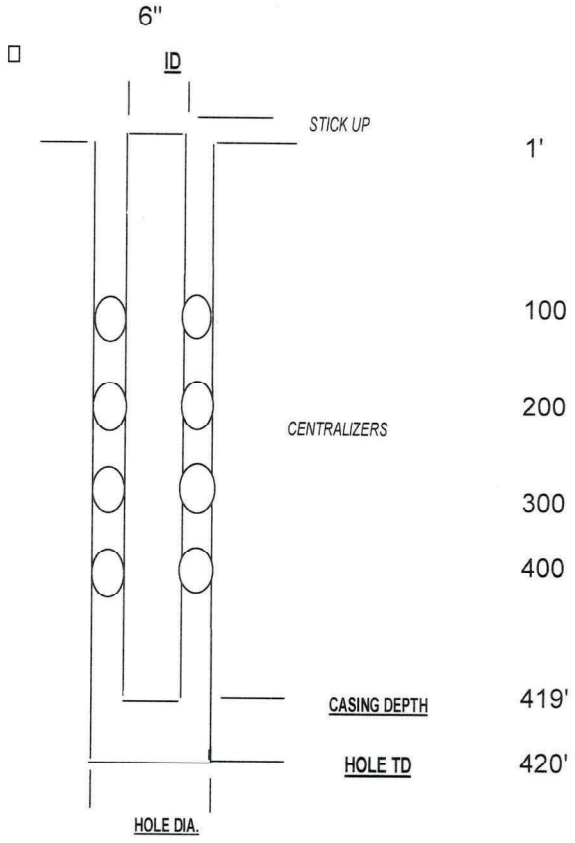
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID BM-2A **DATE** 9/25/2024 **DRILLER** Chris-NBL

Cased-11-1-24



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	420'
STICKUP ABOVE GL	1'
LANDED DEPTH	419'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~	11.7	103.4	17bbls @	13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 13.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: ½ BBL
REMARKS:

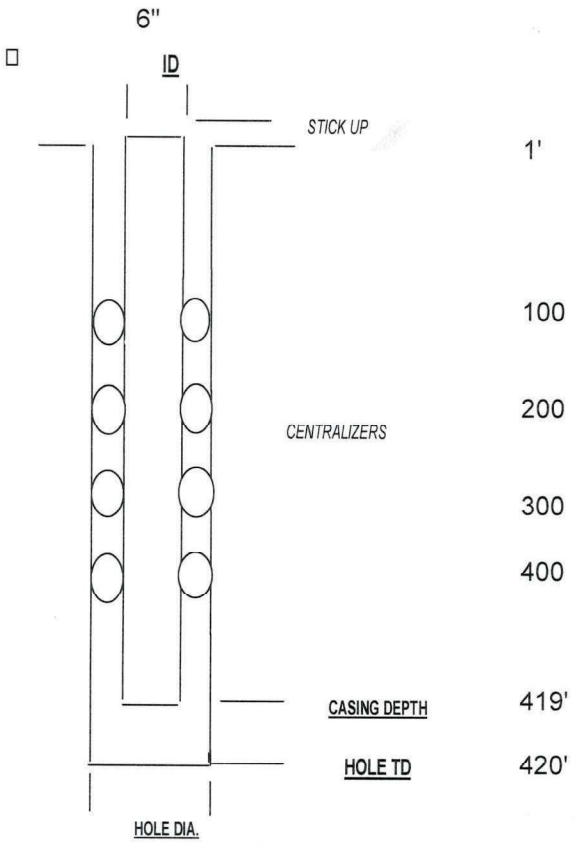
TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

SIGNATURE of CEMENTER Sean Chaya

ENCORE ENERGY CORP
Upper Spring Creek: Brown

CASING RECORD

WELL ID BM-7A DATE 9/25/2024 DRILLER Cased - 10-30-24 Chris - NBL



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	420'
STICKUP ABOVE GL	1'
LANDED DEPTH	419'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~	11.7	103.4	17bbls @	13.6 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 13.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

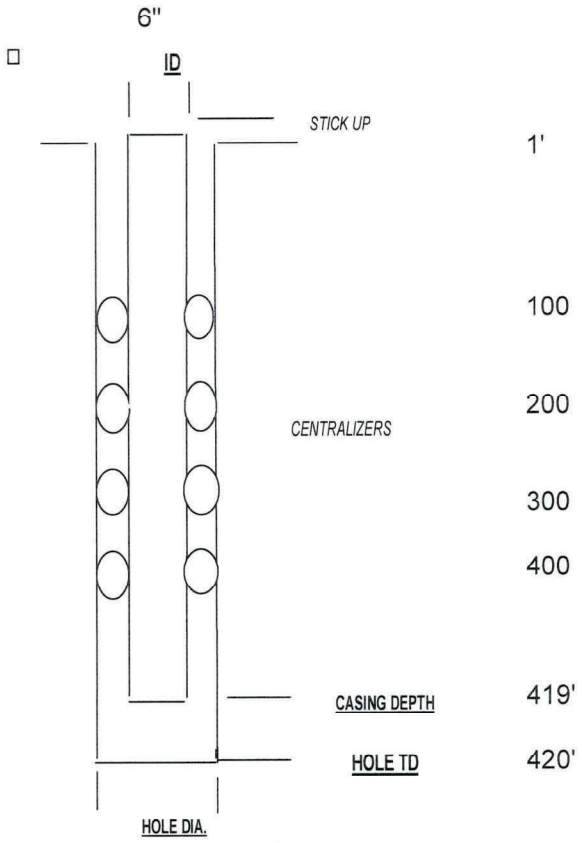
SIGNATURE of CEMENTER Eduardo Garza

ENCORE ENERGY CORP
Upper Spring Creek: Brown

CASING RECORD

cased - 11-7-24

WELL ID BM-8 DATE 9/25/2024 DRILLER Chris-NBL



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	420'
STICKUP ABOVE GL	1'
LANDED DEPTH	419'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~	11.7	103.4	17bbls @	13.6 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 13.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

SIGNATURE of CEMENTER Alex Chyz

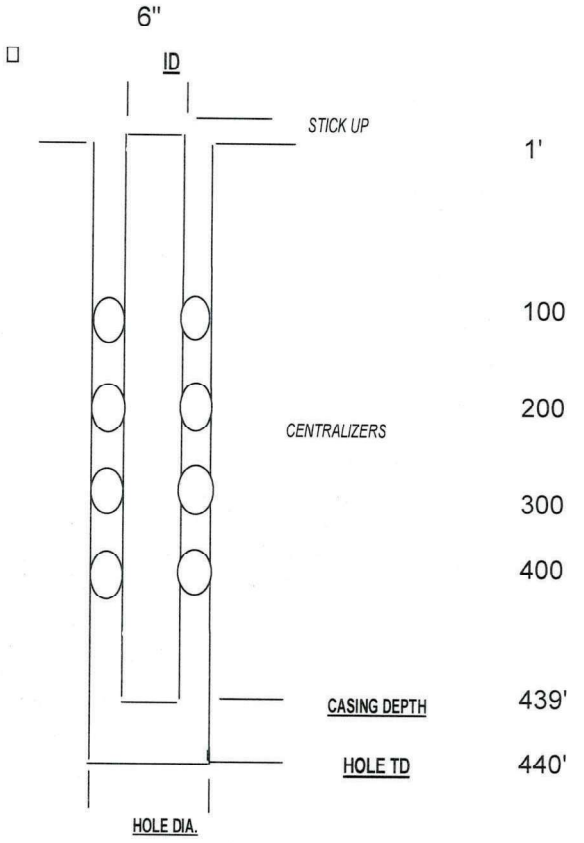
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

Cased - 11-6-24

WELL ID BM-9 DATE 9/25/2024 DRILLER Chris - NBL



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

22	JOINTS @ 20'	440'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	440'
STICKUP ABOVE GL	1'
LANDED DEPTH	439'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	~~58~~ bulk	12.3	109.04	17bbls @	13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 14.4 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1/2 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

SIGNATURE of CEMENTER Lea Chyz

ENCORE ENERGY CORP

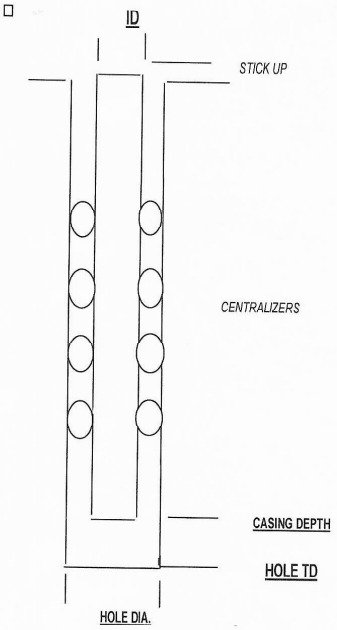
Upper Spring Creek: Brown

CASING RECORD

cased - 10-1

WELL ID MW-17 **DATE** 9/24/2024 **DRILLER** Chris - NBL

5"



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk 36 (SKS CMT)	7.7 (BBL WATER)	67.68 (LBS)	11bbls @ 13.5 (BBL SURRY) (LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 0 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER

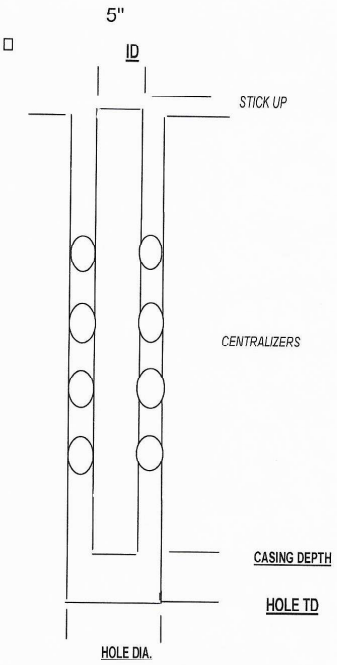
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased - 10-1-24

WELL ID MW-21 **DATE** 9/19/2024 **DRILLER** Joe-Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~36~~	7.7	67.68	11bbls @	13.6 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: ½ BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Lea Cluyer

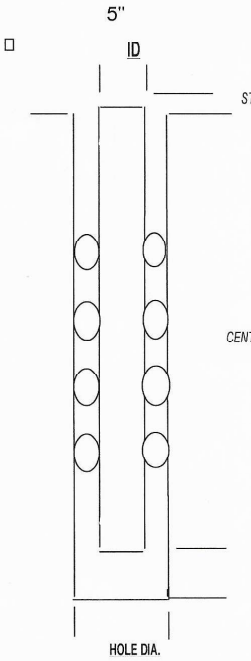
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased - 10-2-24

WELL ID MW-25 DATE 9/19/2024 DRILLER Chris - NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT

TOTAL:	bulk ~~36~~	7.7	67.68	11bbls @	13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Chris

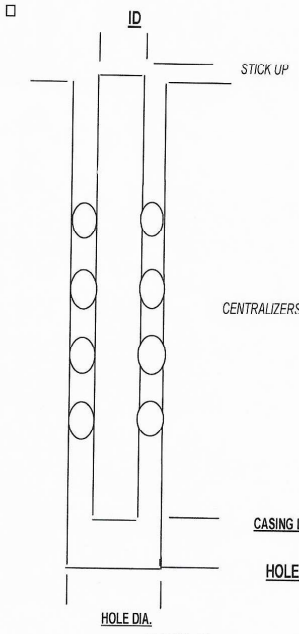
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-26 **DATE** 9/19/2024 cased - 10-8-24 **DRILLER** Mike-NBL

5"



7 7/8 "

STICK UP	1'
CENTRALIZERS	-220 / -120 / -20 / 80
CASING DEPTH	284'
HOLE TD	285'

CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.25	JOINTS @ 20'	285'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	285'
STICKUP ABOVE GL	1'
LANDED DEPTH	284'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND, TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~35~~ (SKS CMT)	7.4 (BBL WATER)	65.8 (LBS)	11bbls @	13.7 ~~13.5~~ (LB/GAL)
				(BBL SURRY)	

DISPLACED WITH 6.4 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1/2 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Lea Chyco

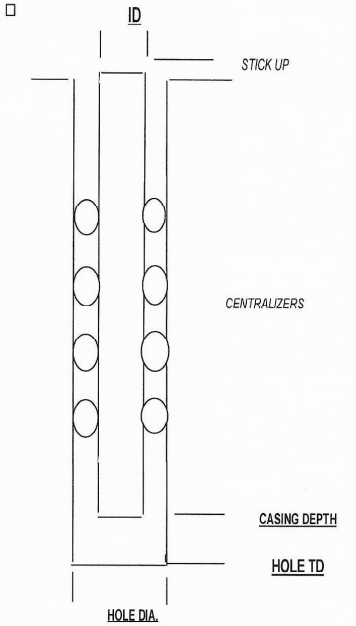
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-27 DATE 9/19/2024 DRILLER cased - 10-4-24 Joe-Perco

5"



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.25	JOINTS @ 20'	285'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	285'
STICKUP ABOVE GL	1'
LANDED DEPTH	284'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~35~~	7.4	65.8	11bbls @	13.7 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.4 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Eduardo Garza

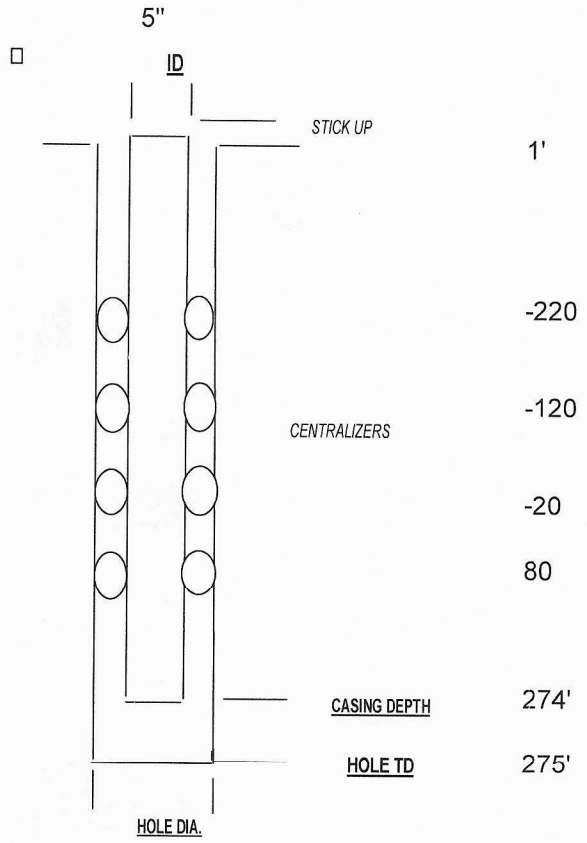
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased 10-10-24

WELL ID MW-31 DATE 9/23/2024 DRILLER Joe Perez



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

13.75	JOINTS @ 20'	275'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	275'
STICKUP ABOVE GL	1'
LANDED DEPTH	274'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~34~~	7.2	63.92	10bbls @	13.6 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.2 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: ½ BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Eduardo Garza

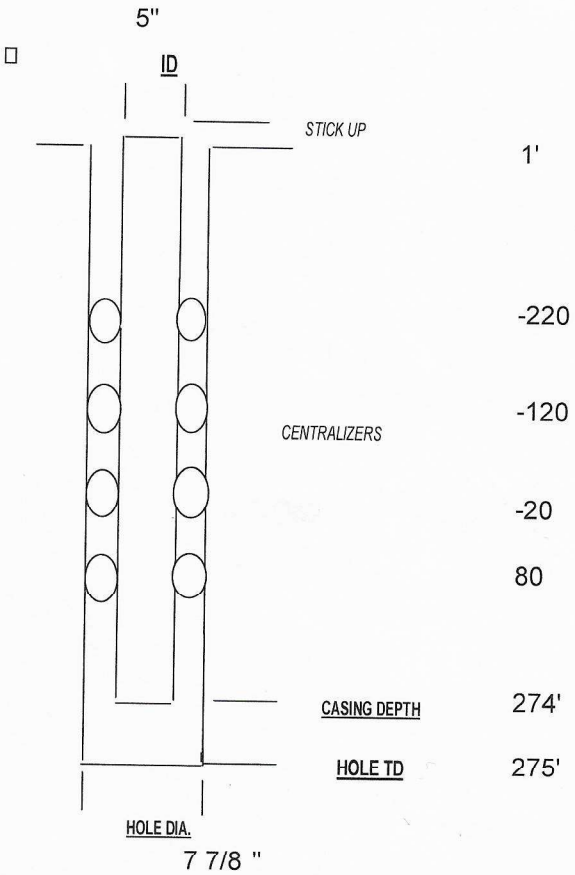
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-32 DATE 9/23/2024 DRILLER Mike-NBL

cased - 10.9-24



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

13.75	JOINTS @ 20'	275'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	275'
STICKUP ABOVE GL	1'
LANDED DEPTH	274'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~34~~ (SKS CMT)	7.2 (BBL WATER)	63.92 (LBS)	10bbls (BBL SURRY)	@ 13.6 ~~13.5~~ (LB/GAL)

DISPLACED WITH 6.2 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER [signature]

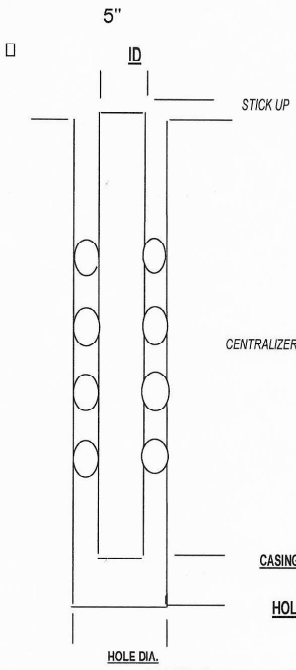
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased-10-4-24

WELL ID OMW-5 DATE 9/23/2024 DRILLER Chris-NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

4.5	JOINTS @ 20'	90'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	90'
STICKUP ABOVE GL	1'
LANDED DEPTH	89'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk 11 (SKS CMT)	2.3 (BBL WATER)	20.68 (LBS)	3bbls @ (BBL SURRY)	13.5 (LB/GAL)

DISPLACED WITH 1.7 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Dean Chase

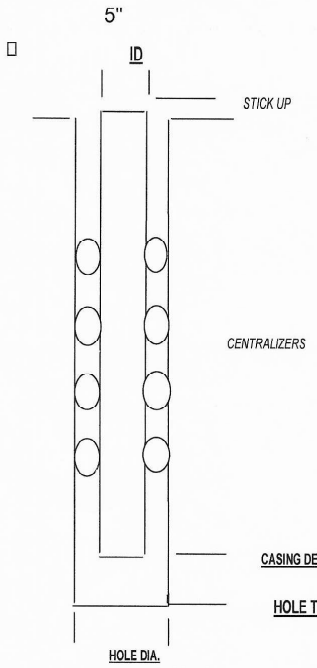
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased - 10-4-24

WELL ID OMW-6 **DATE** 9/23/2024 **DRILLER** Chris-NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

5	JOINTS @ 20'	100'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	100'
STICKUP ABOVE GL	1'
LANDED DEPTH	99'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~12~~	2.6	22.56	4bbls @	(13.5)
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 1.9 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

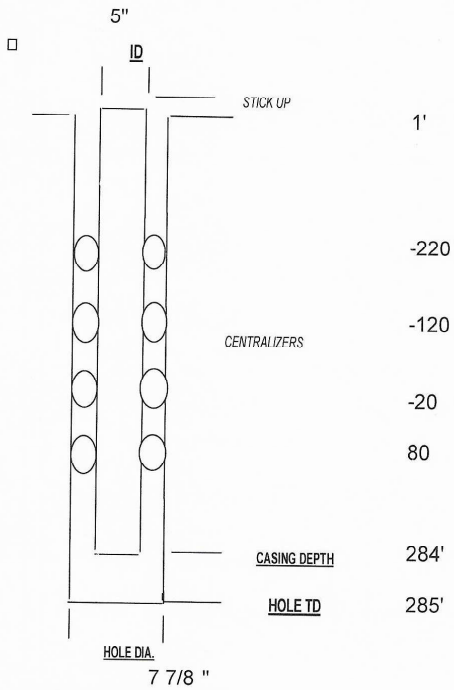
SIGNATURE of CEMENTER Eduardo Garza

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-28 DATE 9/24/2024 Cased - 10-7-24 DRILLER Joe-Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.25	JOINTS @ 20'	285'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	285'
STICKUP ABOVE GL	1'
LANDED DEPTH	284'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~35~~	7.4	65.8	11bbls @	13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.4 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 0 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
POURED DRY, FROM SURFACE. CHASED WITH WATER.

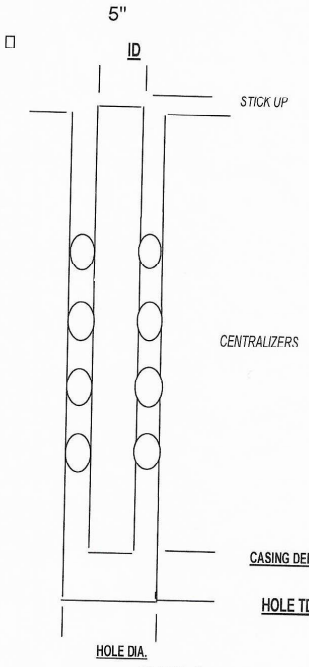
SIGNATURE of CEMENTER Aaron Chazen

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-29 DATE 9/24/2024 Cased -10-8-24 DRILLER Joe - Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:				
bulk ~~30~~ (SKS CMT)	7.7 (BBL WATER)	67.68 (LBS)	11bbls (BBL SURRY)	@ (13.5) (LB/GAL)

DISPLACED WITH 6.6 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 0 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Lea Cheyne

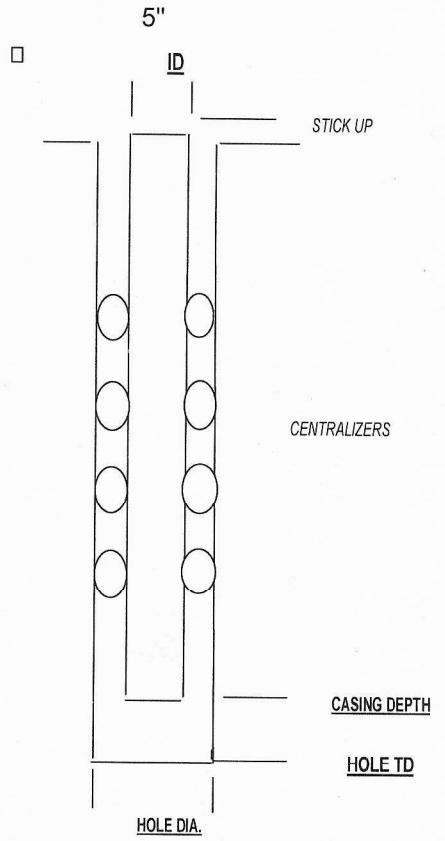
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

corrected - 10-9-24

WELL ID MW-30 DATE 9/24/2024 DRILLER Joe - Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~36~~	7.7	67.68	11bbls @	13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: ½ BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Eduardo Garza

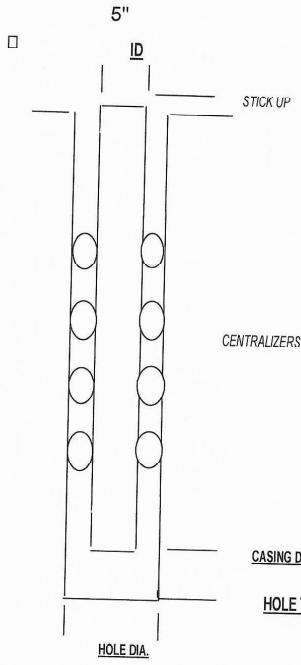
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased - 10-7-24

WELL ID MW-23 **DATE** 9/24/2024 **DRILLER** Joe - Perco



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~30~~ (SKS CMT)	7.7 (BBL WATER)	67.68 (LBS)	11bbls @ 136 ~~13.5~~ (BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.6 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 0 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Ian Chyse

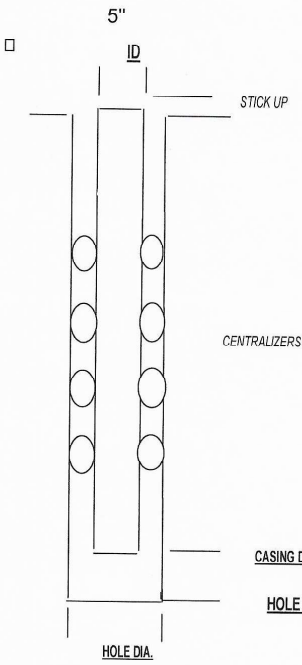
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

cased - 10-2-24

WELL ID MW-24 DATE 9/24/2024 DRILLER Chris-NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT

TOTAL:	bulk ~~36~~ (SKS CMT)	7.7 (BBL WATER)	67.68 (LBS)	11bbls @ (13.5) (BBL SURRY) (LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

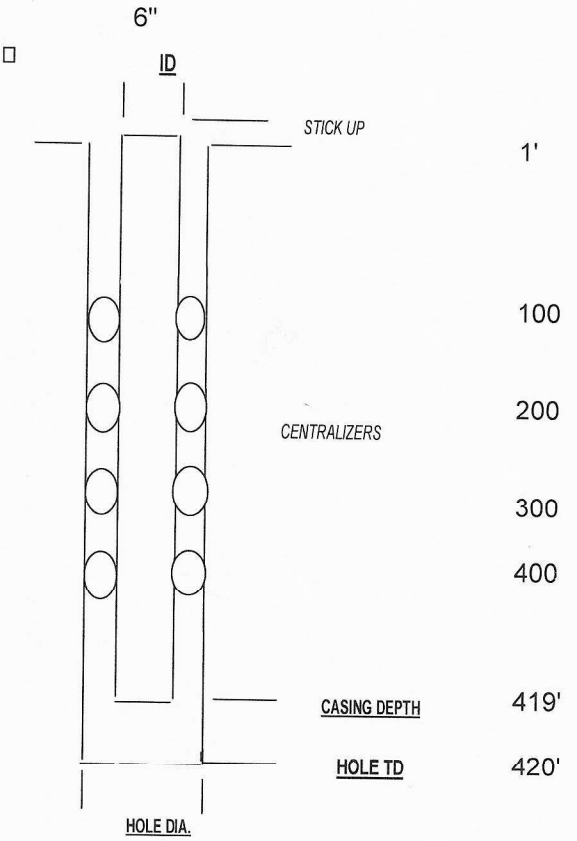
POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Lea Clayton

ENCORE ENERGY CORP
Upper Spring Creek: Brown

CASING RECORD

WELL ID BM-1 **DATE** 9/25/2024 Cased - 10-16-24 **DRILLER** Joe-Perco



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	420'
STICKUP ABOVE GL	1'
LANDED DEPTH	419'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~	11.7	103.4	17bbls @ 13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY) (LB/GAL)

DISPLACED WITH 13.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 0 BBL
REMARKS:

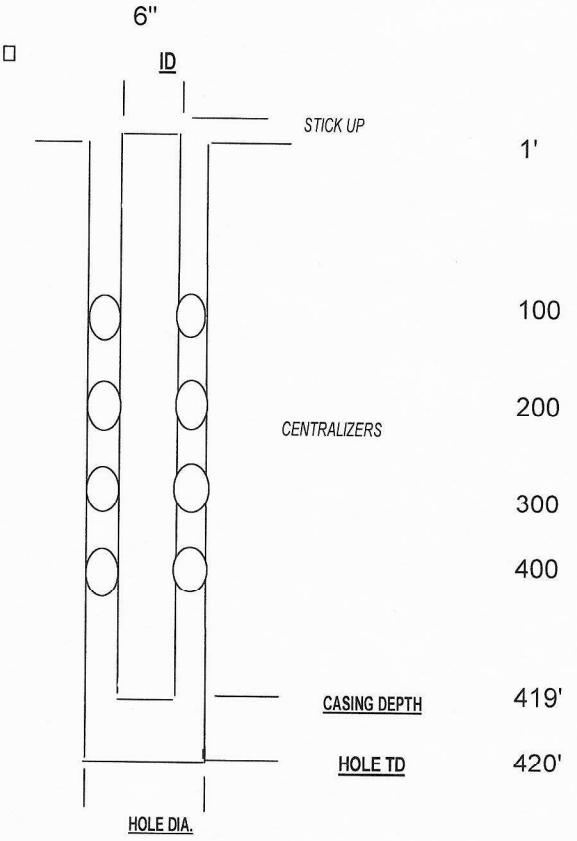
TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

SIGNATURE of CEMENTER Aaron Ayers

ENCORE ENERGY CORP
Upper Spring Creek: Brown

CASING RECORD

WELL ID BM-1A **DATE** 9/25/2024 **DRILLER** Cased-10-18-24 Joe-perco



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	420'
STICKUP ABOVE GL	1'
LANDED DEPTH	419'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~ (SKS CMT)	11.7 (BBL WATER)	103.4 (LBS)	17bbls @ ~~13.5~~ 13.6 (BBL SURRY) (LB/GAL)

DISPLACED WITH 13.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

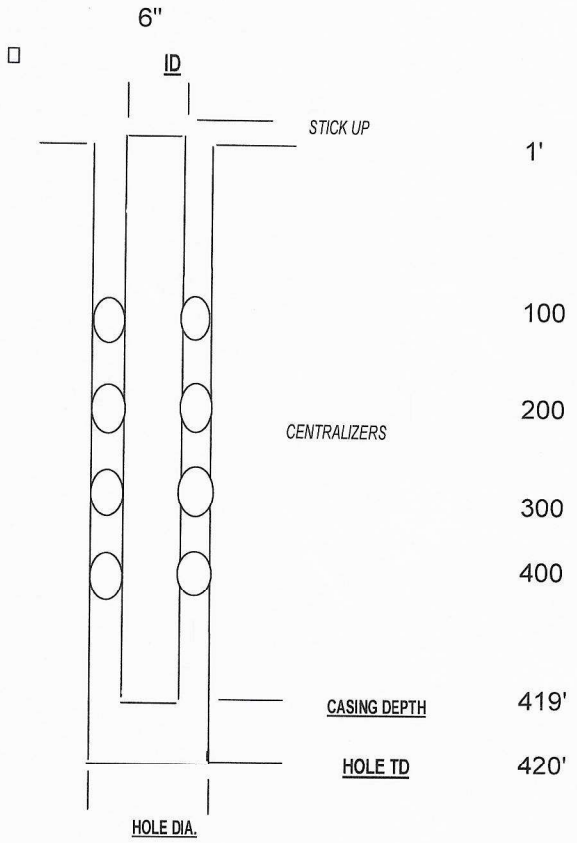
SIGNATURE of CEMENTER Aca Chaya

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID BM-3 DATE 9/25/2024 DRILLER Cased-10-15-24 Mike-NBL



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	420'
STICKUP ABOVE GL	1'
LANDED DEPTH	419'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~	11.7	103.4	17bbls	@ 13.5
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 13.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1/2 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

SIGNATURE of CEMENTER Jesse Chapa

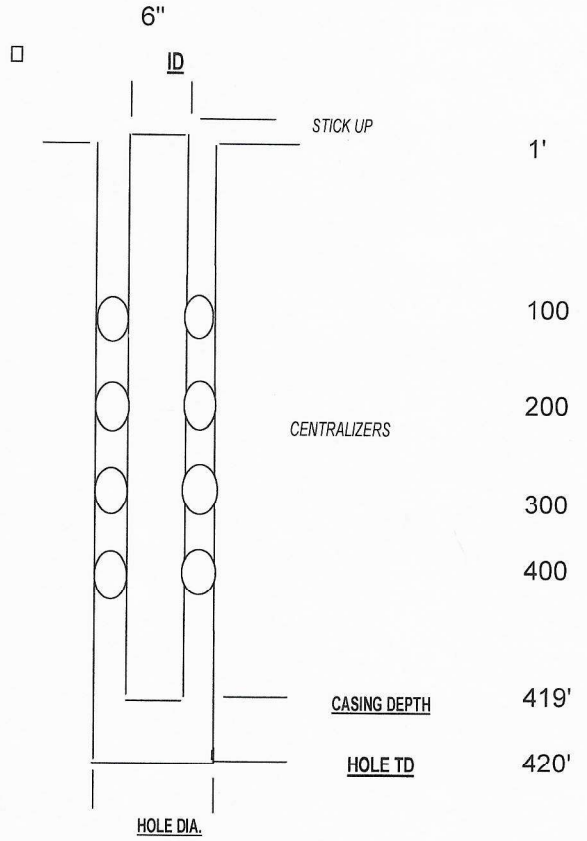
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

Cased - 10-17-24

WELL ID BM-4 DATE 9/25/2024 DRILLER Mike - NBL



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	420'
STICKUP ABOVE GL	1'
LANDED DEPTH	419'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~ (SKS CMT)	11.7 (BBL WATER)	103.4 (LBS)	17bbls (BBL SURRY)	@ ~~13.5~~ (LB/GAL)

DISPLACED WITH 13.7 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1/2 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

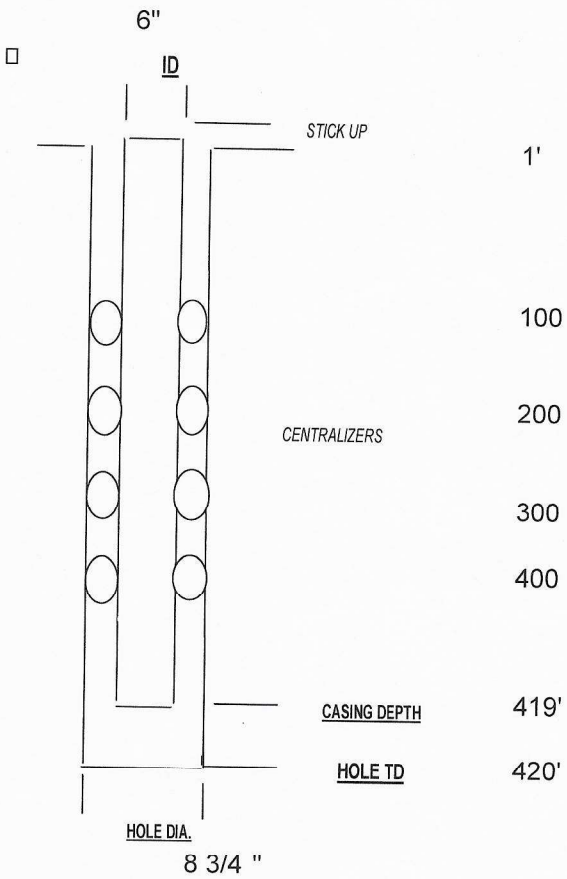
SLURRY FROM SURFACE.

SIGNATURE of CEMENTER Aaron Chaya

ENCORE ENERGY CORP
Upper Spring Creek: Brown

CASING RECORD

WELL ID BM-5 DATE 9/25/2024 Cased-10-14-24 DRILLER Joe-Perco



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	420'
STICKUP ABOVE GL	1'
LANDED DEPTH	419'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~	11.7	103.4	17bbls @	13.6 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 13.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1/2 BBL
REMARKS:

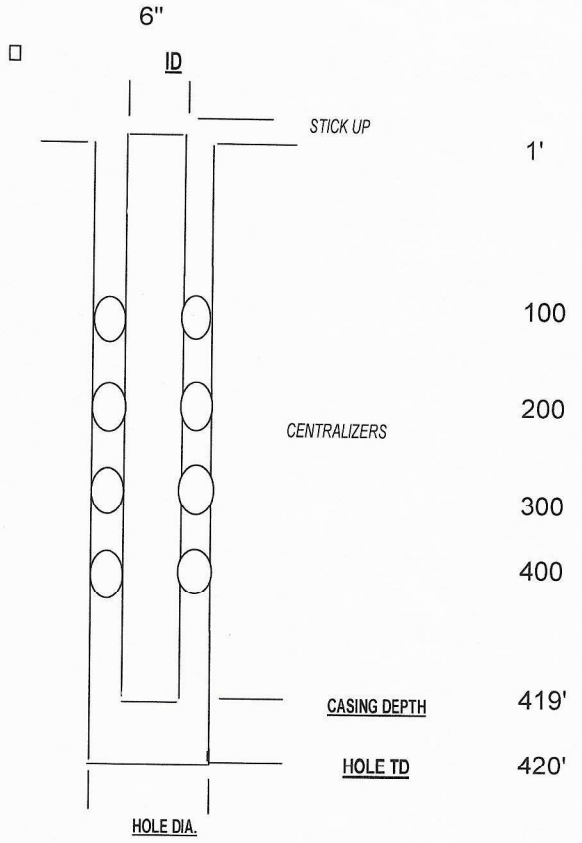
TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

SIGNATURE of CEMENTER Lean Chayce

ENCORE ENERGY CORP
Upper Spring Creek: Brown

CASING RECORD

WELL ID BM-6 **DATE** 9/25/2024 Cased-10-11-24 **DRILLER** MiKe-NBL



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	~~420'~~ 400'
STICKUP ABOVE GL	1'
LANDED DEPTH	419' 409'

Per Geologist cl

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~	11.7	103.4	17bbls @	(13.5)
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 13.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1/2 BBL
REMARKS:

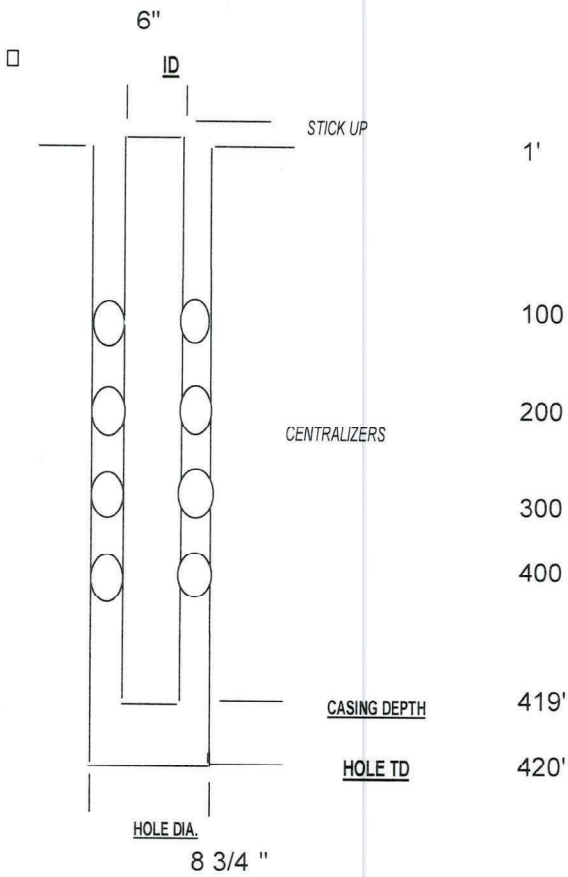
TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

SIGNATURE of CEMENTER Sean Chopra

ENCORE ENERGY CORP
Upper Spring Creek: Brown

CASING RECORD

WELL ID BM-1B DATE 11/7/2024 DRILLER Cased - 11-8-24 Chrisen BL



CASING TYPE	6" PVC
ID	6"
OD	6.5"

CASING LENGTH

21	JOINTS @ 20'	420'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	420'
STICKUP ABOVE GL	1'
LANDED DEPTH	419'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~55~~	11.7	103.4	17bbls	@ 13.7 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 13.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 0 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
SLURRY FROM SURFACE.

SIGNATURE of CEMENTER Alan Chryer

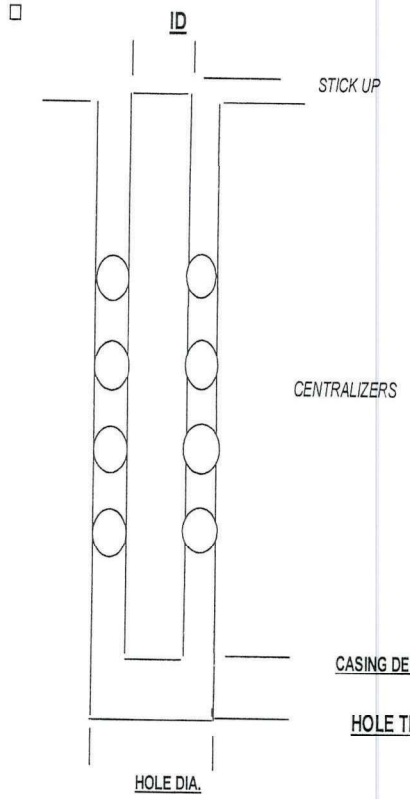
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-2A ~~MW-2A~~ DATE 11/12/2024 DRILLER Cased - 11-12-24 Chris-NBL

5"



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

8.5	JOINTS @ 20'	170'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	170'
STICKUP ABOVE GL	1'
LANDED DEPTH	169'

Unless exceeds TD

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk 2T	4.5	39.48	6bbls @	(13.5)
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 3.6 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 1/2 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
POURED DRY, FROM SURFACE. CHASED WITH WATER.

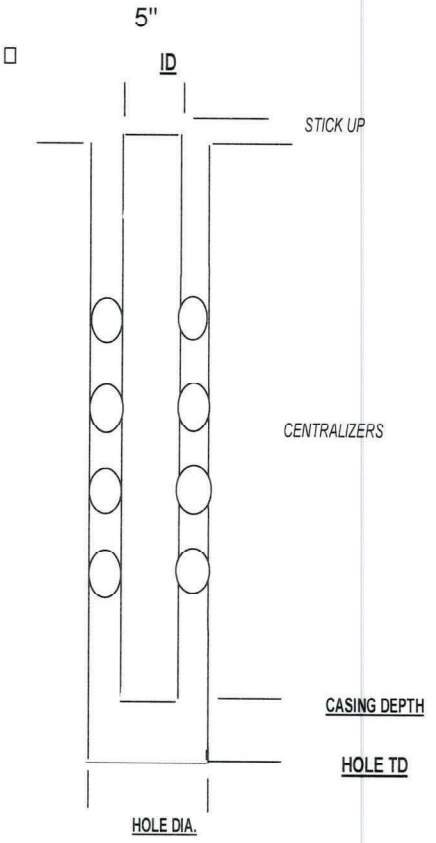
SIGNATURE of CEMENTER Aca Chya

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-31A **DATE** 11/12/2024 cased - 11-12-24 **DRILLER** Chris - NBZ



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

8.75	JOINTS @ 20'	175'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	175'
STICKUP ABOVE GL	1'
LANDED DEPTH	174'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: **CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT**

TOTAL:	bulk ~~22~~	4.7	41.36	7bbls @	13.6 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 3.8 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Jesse Chuya

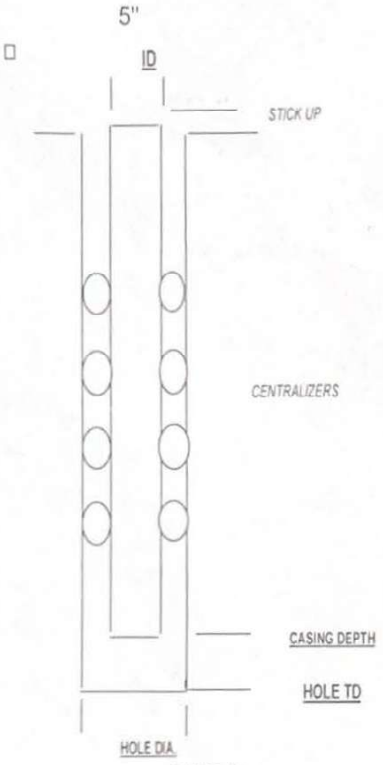
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

2-18-25

WELL ID MW-31B DATE 2/4/2025 DRILLER Chris-NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

13.75	JOINTS @ 20'	275'
	+ CUT JOINT	
	+ ACCESSORY	N/A
	+ ACCESSORY	N/A

TOTAL CASING STRING	275'
STICKUP ABOVE GL	1'
LANDED DEPTH	274'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT

TOTAL:	~~34~~ bulk	7.2	63.92	10bbls @	~~13.5~~ 13.4
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.2 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: 0 BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
POURED DRY, FROM SURFACE. CHASED WITH WATER.

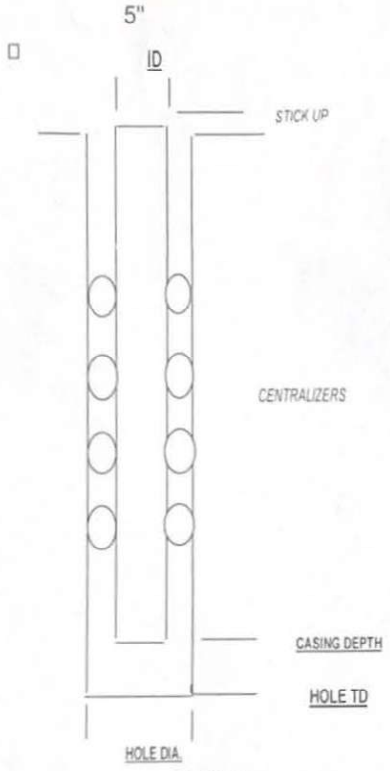
SIGNATURE of CEMENTER Sean Cheyca

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-4A DATE 2/7/2024 DRILLER 2-17-25 John-Everett



CASING TYPE 5" PVC
ID 5"
OD 5.5"

CASING LENGTH

14.75 JOINTS @ 20' 295'
+ CUT JOINT
+ ACCESSORY N/A
+ ACCESSORY N/A

TOTAL CASING STRING 295'
STICKUP ABOVE GL 1'
LANDED DEPTH 294'

CENTRALIZERS: TYPE METAL
GUIDE SHOE/ BASKET @ N/A
WEEP HOLES @ N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER
CEMENT TYPE: PORTLAND TYPE I

MIX RECORD: CEMENT + MIX WATER + 2% BENTONITE = SLURRY @ WEIGHT

TOTAL:	~~36~~ bulk (~~SKS CMT~~)	7.7 (BBL WATER)	67.68 (LBS)	11bbls (BBL SURRY)	@ 13.5 (LB/GAL)

DISPLACED WITH 6.7 BBL
WIPER PLUG USED: NO
CEMENT CIRCULATED TO SURFACE: ½ BBL
REMARKS:

TOPPING OFF: FALLBACK DEPTH:
POURED DRY, FROM SURFACE. CHASED WITH WATER.

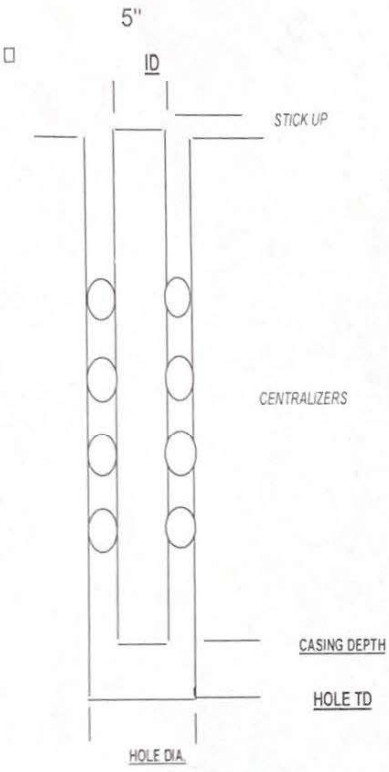
SIGNATURE of CEMENTER

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-5A DATE 2/7/2024 DRILLER 2-15-25 John-Everett



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

15	JOINTS @ 20'	300'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	300'
STICKUP ABOVE GL	1'
LANDED DEPTH	299'

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT

TOTAL:	bulk ~~37~~	7.9	69.56	11bbls @	13.7 ~~13.5~~
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.8 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 1 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Sean Chapa

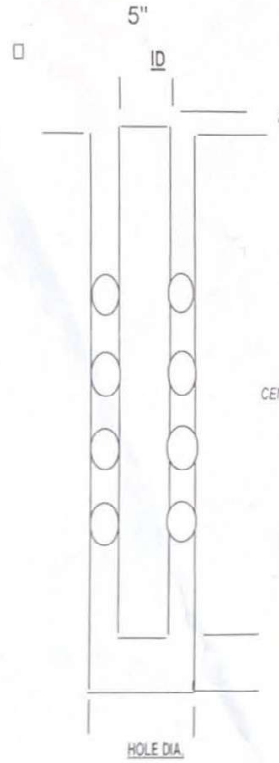
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

2-15-25

WELL ID MW-2B 11A DATE 2/10/2025 DRILLER Ricky-NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14	JOINTS @ 20'	280'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	280'
STICKUP ABOVE GL	1'
LANDED DEPTH	279'

Unless exceeds TD

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT

TOTAL:	bulk ~~35~~ (SKS CMT)	7.4 (BBL WATER)	65.8 (LBS)	10bbls @ 13.5 (BBL SURRY) (LB/GAL)

DISPLACED WITH 6.3 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 0 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Sean Cheyca

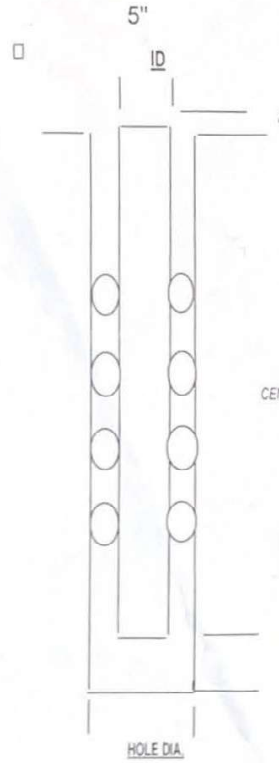
ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

2-15-25

WELL ID MW-2B 11A DATE 2/10/2025 DRILLER Ricky-NBL



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14	JOINTS @ 20'	280'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	280'
STICKUP ABOVE GL	1'
LANDED DEPTH	279'

Unless exceeds TD

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT

TOTAL:	bulk ~~35~~ (SKS CMT)	7.4 (BBL WATER)	65.8 (LBS)	10bbls @ 13.5 (BBL SURRY) (LB/GAL)

DISPLACED WITH 6.3 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: 0 BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

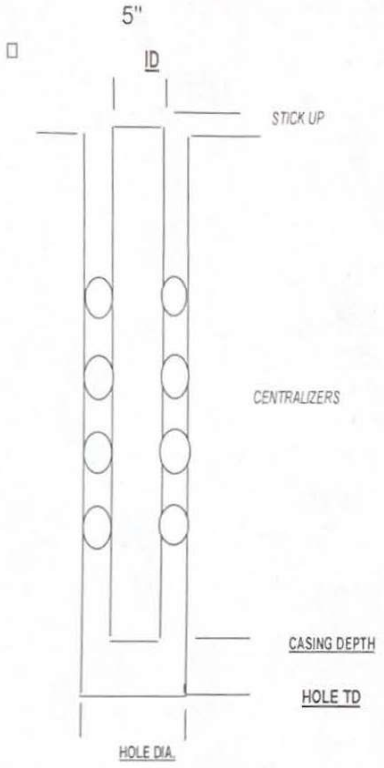
SIGNATURE of CEMENTER Sean Cheyca

ENCORE ENERGY CORP

Upper Spring Creek: Brown

CASING RECORD

WELL ID MW-3A 11A DATE 2/10/2025 DRILLER Ricky-NBL 2-13-25



CASING TYPE	5" PVC
ID	5"
OD	5.5"

CASING LENGTH

14.5	JOINTS @ 20'	290'
+ CUT JOINT		
+ ACCESSORY		N/A
+ ACCESSORY		N/A

TOTAL CASING STRING	290'
STICKUP ABOVE GL	1'
LANDED DEPTH	289'

Unless exceeds TD

CENTRALIZERS: TYPE	METAL
GUIDE SHOE/ BASKET @	N/A
WEEP HOLES @	N/A

CEMENTING RECORD

CEMENTING TECHNIQUE: PUMPED THROUGH CASING. DISPLACED WITH WATER

CEMENT TYPE: PORTLAND. TYPE I

MIX RECORD: CEMENT + MIX WATER+2% BENTONITE = SLURRY @ WEIGHT

TOTAL:	~~30~~ bulk	7.7	67.68	11bbls @	~~13.5~~ 13.6
	(SKS CMT)	(BBL WATER)	(LBS)	(BBL SURRY)	(LB/GAL)

DISPLACED WITH 6.6 BBL

WIPER PLUG USED: NO

CEMENT CIRCULATED TO SURFACE: ½ BBL

REMARKS:

TOPPING OFF: FALLBACK DEPTH:

POURED DRY, FROM SURFACE. CHASED WITH WATER.

SIGNATURE of CEMENTER Sean Chezem

Section IV-F.2
Completion Reports

MESTENA URANIUM LLC

COMPLETION RECORD

WELL ID BM-2A **DATE** 10/14/2024 **DRILLER**

DRILL HOLE DIA. 8 3/4"
CASING ID 6"
LINER ID 4.5"

TOP of k-packer 330'

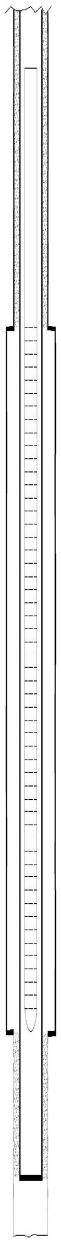
TOP of SCREEN 340'

TOP of UR 342'

Gravel Pack Sand

LENGTH of UR 7'

LENGTH of SCREEN 10'



BOTTOM of UR 349'

BOTTOM of SCREEN 350'

BOTTOM of LINER 352'

DRILL CEMENT TO 357'

BOTTOM of CASING 419'

CASING TD 420'

SIGNATURE of DRILLER

MESTENA URANIUM LLC

COMPLETION RECORD

WELL ID BM-3 **DATE** 10/14/2024 **DRILLER**

DRILL HOLE DIA. 8 3/4"
CASING ID 6"
LINER ID 4.5"

TOP of k-packer 283'

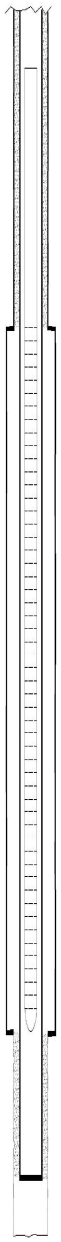
TOP of SCREEN 293'

TOP of UR 294'

Gravel Pack Sand

LENGTH of UR 7'

LENGTH of SCREEN 10'



BOTTOM of UR 301'

BOTTOM of SCREEN 303'

BOTTOM of LINER 305'

DRILL CEMENT TO 310'

BOTTOM of CASING 419'

CASING TD 420'

SIGNATURE of DRILLER

MESTENA URANIUM LLC

COMPLETION RECORD

WELL ID BM-4 **DATE** 10/14/2024 **DRILLER**

DRILL HOLE DIA. 8 3/4"
CASING ID 6"
LINER ID 4.5"

TOP of k-packer 284'

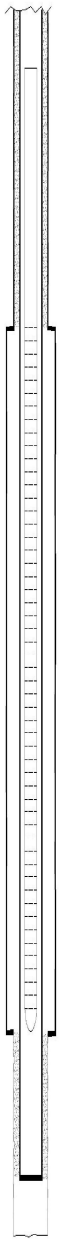
TOP of SCREEN 294'

TOP of UR 294'

Gravel Pack Sand

LENGTH of UR 5'

LENGTH of SCREEN 5'



BOTTOM of UR 299'

BOTTOM of SCREEN 299'

BOTTOM of LINER 301'

DRILL CEMENT TO 306'

BOTTOM of CASING 419'

CASING TD 420'

SIGNATURE of DRILLER

MESTENA URANIUM LLC

COMPLETION RECORD

WELL ID BM-5 **DATE** 10/14/2024 **DRILLER**

DRILL HOLE DIA. 8 3/4"
CASING ID 6"
LINER ID 4.5"

TOP of k-packer 335'

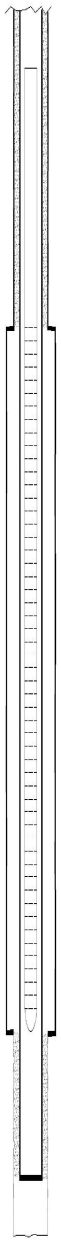
TOP of SCREEN 345'

TOP of UR 345'

Gravel Pack Sand

LENGTH of UR 5'

LENGTH of SCREEN 5'



BOTTOM of UR 350'

BOTTOM of SCREEN 350'

BOTTOM of LINER 352'

DRILL CEMENT TO 357'

BOTTOM of CASING 419'

CASING TD 420'

SIGNATURE of DRILLER

MESTENA URANIUM LLC

COMPLETION RECORD

WELL ID BM-6 **DATE** 10/15/2024 **DRILLER**

DRILL HOLE DIA. 8 3/4"
CASING ID 6"
LINER ID 4.5"

TOP of k-packer 337'

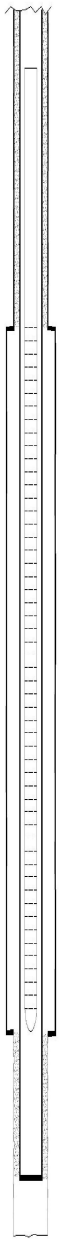
TOP of SCREEN 347'

TOP of UR 347'

Gravel Pack Sand

LENGTH of UR 10'

LENGTH of SCREEN 10'



BOTTOM of UR 357'

BOTTOM of SCREEN 357'

BOTTOM of LINER 359'

DRILL CEMENT TO 364'

BOTTOM of CASING 419'

CASING TD 420'

SIGNATURE of DRILLER

MESTENA URANIUM LLC

COMPLETION RECORD

WELL ID BM-7A **DATE** 10/15/2024 **DRILLER**

DRILL HOLE DIA. 8 3/4"
CASING ID 6"
LINER ID 4.5"

TOP of k-packer 286'

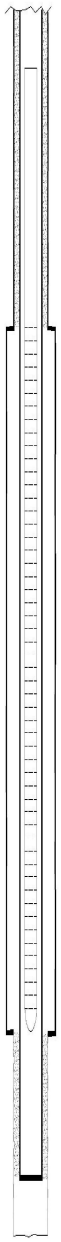
TOP of SCREEN 296'

TOP of UR 296'

Gravel Pack Sand

LENGTH of UR 5'

LENGTH of SCREEN 5'



BOTTOM of UR 301'

BOTTOM of SCREEN 301'

BOTTOM of LINER 303'

DRILL CEMENT TO 308'

BOTTOM of CASING 419'

CASING TD 420'

SIGNATURE of DRILLER

MESTENA URANIUM LLC

COMPLETION RECORD

WELL ID BM-9 **DATE** 10/15/2024 **DRILLER**

DRILL HOLE DIA. 8 3/4"
CASING ID 6"
LINER ID 4.5"

TOP of k-packer 293'

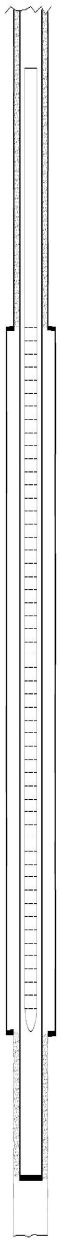
TOP of SCREEN 303'

TOP of UR 303'

Gravel Pack Sand

LENGTH of UR 5'

LENGTH of SCREEN 5'



BOTTOM of UR 308'

BOTTOM of SCREEN 308'

BOTTOM of LINER 310'

DRILL CEMENT TO 315'

BOTTOM of CASING 419'

CASING TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-1 (USC-1) **DATE** 12/18/2024 **DRILLER** _____

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 260'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 270'

TOP of SCREEN 280'

TOP of UR 280'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 380'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 400'

SIGNATURE of DRILLER _____

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-2A (USC-1) **DATE** 12/18/2024 **DRILLER** _____

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 260'

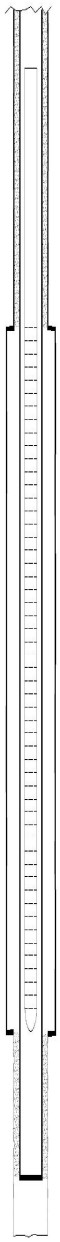
LENGTH of LAP PIPE 20'

BOTTOM of CASING 270'

TOP of SCREEN 280'

TOP of UR 280'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 380'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 400'

SIGNATURE of DRILLER _____

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-2B **DATE** 2/13/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 260'

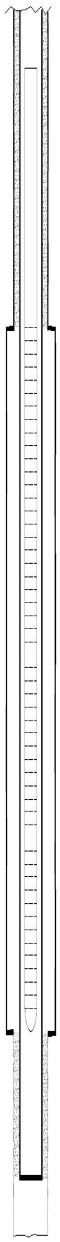
LENGTH of LAP PIPE 20'

BOTTOM of CASING 280'

TOP of SCREEN 280'

TOP of UR 280'

3" SCREEN



LENGTH of UR 110'

LENGTH of SCREEN 110'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 400'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-3A **DATE** 2/13/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

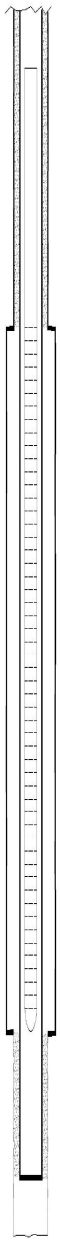
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-4A **DATE** 2/13/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 295'

TOP of SCREEN 290'

TOP of UR 295'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-5A **DATE** 2/13/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 275'

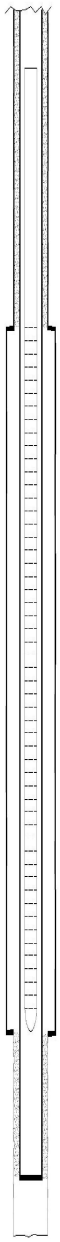
LENGTH of LAP PIPE 20'

BOTTOM of CASING 300'

TOP of SCREEN 295'

TOP of UR 302'

3" SCREEN



LENGTH of UR 93'

LENGTH of SCREEN 100'

BOTTOM of UR 395'

BOTTOM of SCREEN 395'

DRILL CEMENT TO 400'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-6 (USC-6) **DATE** 12/18/2024 **DRILLER** _____

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 290'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 310'

TOP of SCREEN 310'

TOP of UR 310

3" SCREEN



LENGTH of UR 75'

LENGTH of SCREEN 80'

BOTTOM of UR 385'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 400'

SIGNATURE of DRILLER _____

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-7 (USC-7) **DATE** 12/18/2024 **DRILLER** _____

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 290'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 310'

TOP of SCREEN 310'

TOP of UR 315'

3" SCREEN



LENGTH of UR 85'

LENGTH of SCREEN 90'

BOTTOM of UR 400'

BOTTOM of SCREEN 400'

DRILL CEMENT TO 405'

HOLE TD 400'

SIGNATURE of DRILLER _____

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-8 (USC-8) **DATE** 12/18/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 295'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 310'

TOP of SCREEN 315'

TOP of UR 315'

3" SCREEN



LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 395'

BOTTOM of SCREEN 395'

DRILL CEMENT TO 400'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-9 (USC-9) **DATE** 12/18/2024 **DRILLER** _____

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 290'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 305'

TOP of SCREEN 310'

TOP of UR 310'

3" SCREEN



LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER _____

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-10A **DATE** 12/19/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 285'

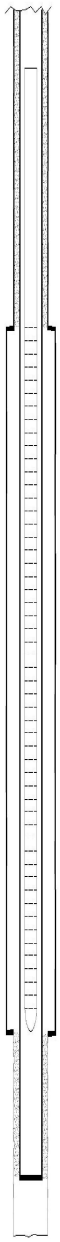
LENGTH of LAP PIPE 20'

BOTTOM of CASING 300'

TOP of SCREEN 305'

TOP of UR 305'

3" SCREEN



LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

DRILL CEMENT TO 390'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-11A **DATE** 12/19/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 280'

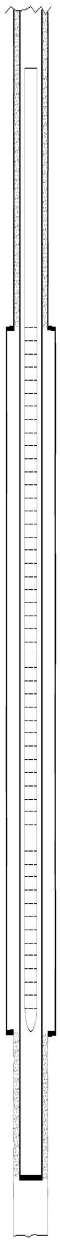
LENGTH of LAP PIPE 20'

BOTTOM of CASING 295'

TOP of SCREEN 300'

TOP of UR 300'

3" SCREEN



LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 380'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-12A **DATE** 12/19/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 280'

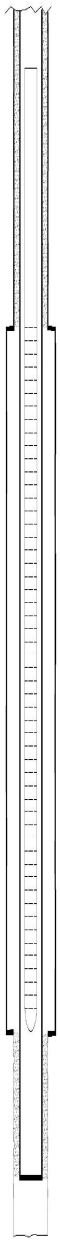
LENGTH of LAP PIPE 20'

BOTTOM of CASING 300'

TOP of SCREEN 300'

TOP of UR 300'

3" SCREEN



LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 380'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-13A **DATE** 12/19/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 275'

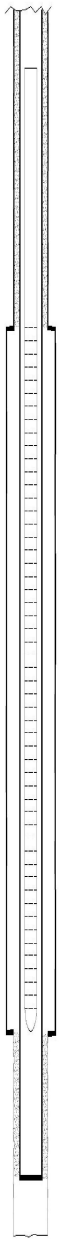
LENGTH of LAP PIPE 20'

BOTTOM of CASING 295'

TOP of SCREEN 295'

TOP of UR 295'

3" SCREEN



LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 375'

BOTTOM of SCREEN 375'

DRILL CEMENT TO 380'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-14 **DATE** 12/19/2024 **DRILLER** _____

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

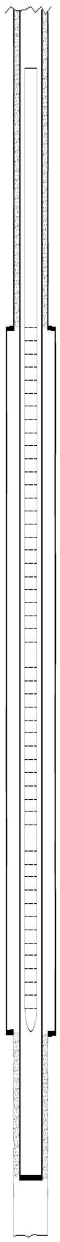
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER _____

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-15 **DATE** 12/19/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

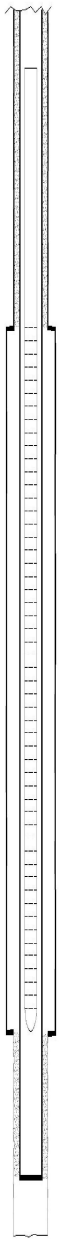
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 90'

LENGTH of SCREEN 90'

BOTTOM of UR 380'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-16 **DATE** 12/19/2024 **DRILLER** _____

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

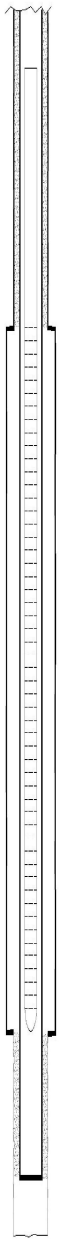
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER _____

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-17 **DATE** 12/19/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

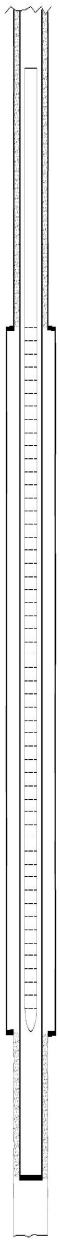
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-18 **DATE** 12/19/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

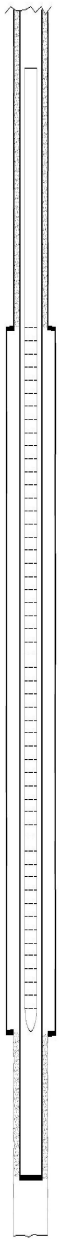
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 95'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

DRILL CEMENT TO 390'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-19 **DATE** 1/14/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

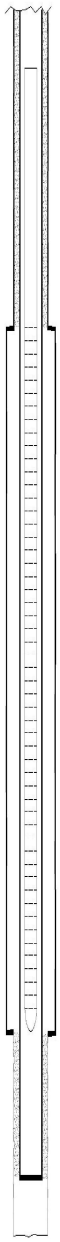
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-20 **DATE** 1/14/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

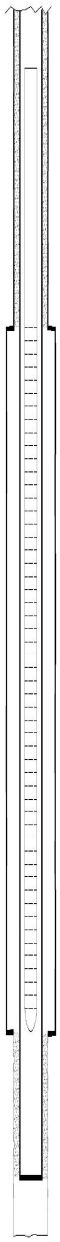
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-21 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

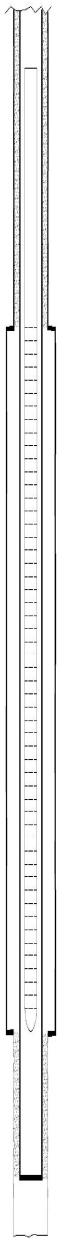
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 292'

3" SCREEN



LENGTH of UR 98'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-22 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

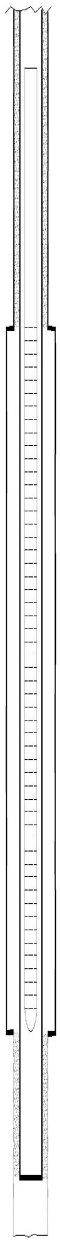
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 105'

LENGTH of SCREEN 110'

BOTTOM of UR 395'

BOTTOM of SCREEN 400'

DRILL CEMENT TO 405'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-23 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

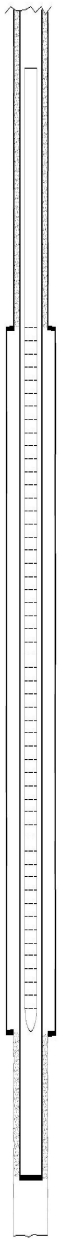
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-24 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

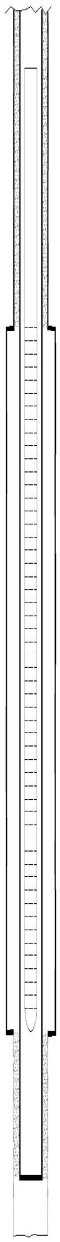
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-25 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 292'

3" SCREEN



LENGTH of UR 98'

LENGTH of SCREEN 110'

BOTTOM of UR 390'

BOTTOM of SCREEN 400'

DRILL CEMENT TO 405'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-26 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 265'

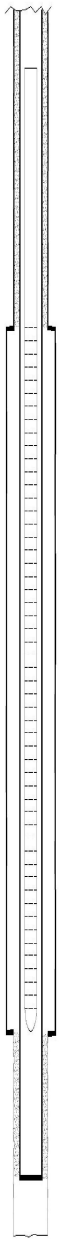
LENGTH of LAP PIPE 20'

BOTTOM of CASING 285'

TOP of SCREEN 285'

TOP of UR 287'

3" SCREEN



LENGTH of UR 98'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

DRILL CEMENT TO 390'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-27 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 265'

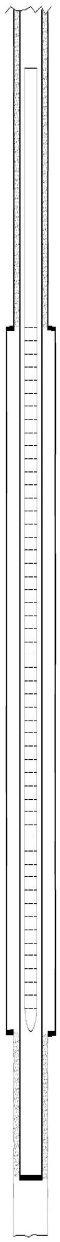
LENGTH of LAP PIPE 20'

BOTTOM of CASING 285'

TOP of SCREEN 285'

TOP of UR 285'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

DRILL CEMENT TO 390'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-28 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 265'

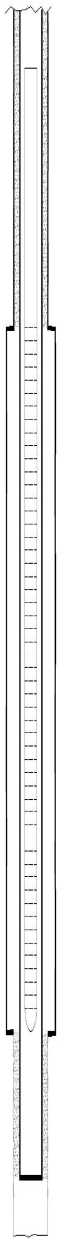
LENGTH of LAP PIPE 20'

BOTTOM of CASING 285'

TOP of SCREEN 285'

TOP of UR 285'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

DRILL CEMENT TO 390'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-29 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

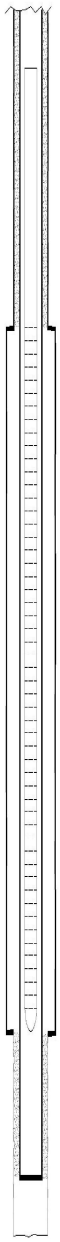
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 90'

LENGTH of SCREEN 90'

BOTTOM of UR 380'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-30 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 260'

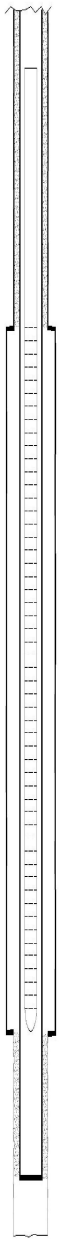
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 280'

TOP of UR 285'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 380'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-31B **DATE** 2/13/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 260'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 275'

TOP of SCREEN 280'

TOP of UR 280'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 375'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-32 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 255'

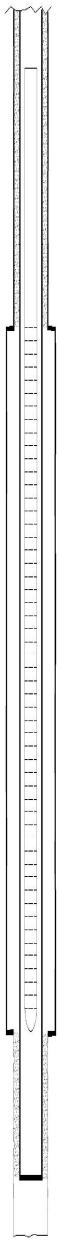
LENGTH of LAP PIPE 20'

BOTTOM of CASING 275'

TOP of SCREEN 275'

TOP of UR 275'

3" SCREEN



LENGTH of UR 105'

LENGTH of SCREEN 110'

BOTTOM of UR 380'

BOTTOM of SCREEN 385'

DRILL CEMENT TO 390'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-33 **DATE** 1/16/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 255'

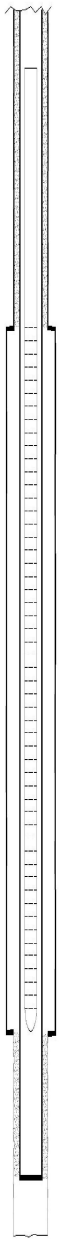
LENGTH of LAP PIPE 20'

BOTTOM of CASING 275'

TOP of SCREEN 275'

TOP of UR 275'

3" SCREEN



LENGTH of UR 130'

LENGTH of SCREEN 130'

BOTTOM of UR 405'

BOTTOM of SCREEN 405'

DRILL CEMENT TO 410'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID OMW-1 **DATE** 11/21/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 85'

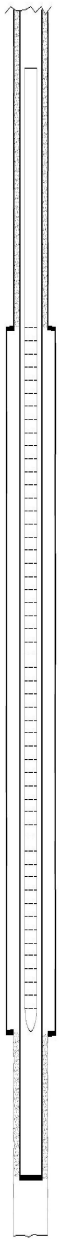
LENGTH of LAP PIPE 20'

BOTTOM of CASING 100'

TOP of SCREEN 105'

TOP of UR 105'

3" SCREEN



LENGTH of UR 40'

LENGTH of SCREEN 40'

BOTTOM of UR 145'

BOTTOM of SCREEN 145'

DRILL CEMENT TO 150'

HOLE TD 160'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID OMW-2 **DATE** 11/21/2024 **DRILLER** _____

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 90'

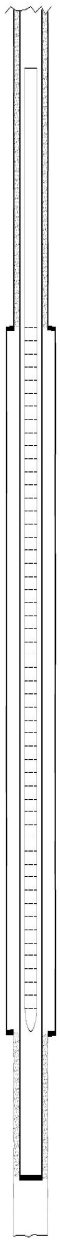
LENGTH of LAP PIPE 20'

BOTTOM of CASING 100'

TOP of SCREEN 110'

TOP of UR 110'

3" SCREEN



LENGTH of UR 40'

LENGTH of SCREEN 40'

BOTTOM of UR 150'

BOTTOM of SCREEN 150'

DRILL CEMENT TO 155'

HOLE TD 160'

SIGNATURE of DRILLER _____

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID OMW-3* **DATE** 1/17/2025 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 65'

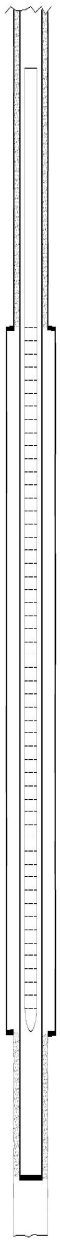
LENGTH of LAP PIPE 20'

BOTTOM of CASING 85'

TOP of SCREEN 85'

TOP of UR 85'

3" SCREEN



LENGTH of UR 47'

LENGTH of SCREEN 50'

BOTTOM of UR 132'

BOTTOM of SCREEN 135'

DRILL CEMENT TO 140'

HOLE TD 140'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID OMW-3 **DATE** 11/21/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 70'

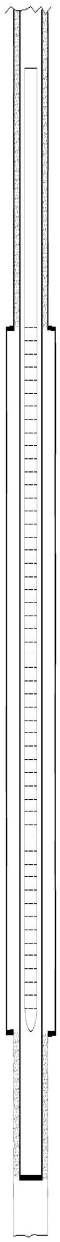
LENGTH of LAP PIPE 20'

BOTTOM of CASING 85'

TOP of SCREEN 90'

TOP of UR 95'

3" SCREEN



LENGTH of UR 40'

LENGTH of SCREEN 50'

BOTTOM of UR 135'

BOTTOM of SCREEN 140'

DRILL CEMENT TO 145'

HOLE TD 150'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID OMW-4 **DATE** 11/21/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 75'

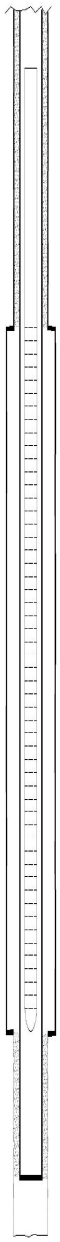
LENGTH of LAP PIPE 20'

BOTTOM of CASING 85'

TOP of SCREEN 95'

TOP of UR 100'

3" SCREEN



LENGTH of UR 35'

LENGTH of SCREEN 40'

BOTTOM of UR 135'

BOTTOM of SCREEN 135'

DRILL CEMENT TO 140'

HOLE TD 150'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID OMW-5 **DATE** 11/21/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 70'

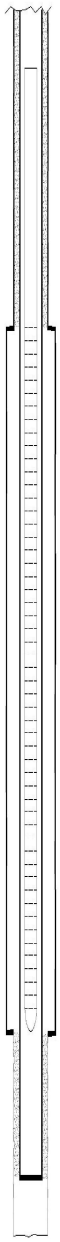
LENGTH of LAP PIPE 20'

BOTTOM of CASING 90'

TOP of SCREEN 90'

TOP of UR 90'

3" SCREEN



LENGTH of UR 45'

LENGTH of SCREEN 50'

BOTTOM of UR 135'

BOTTOM of SCREEN 140'

DRILL CEMENT TO 145'

HOLE TD 150'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID OMW-6 **DATE** 11/21/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 90'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 100'

TOP of SCREEN 110'

TOP of UR 110'

3" SCREEN



LENGTH of UR 30'

LENGTH of SCREEN 30'

BOTTOM of UR 140'

BOTTOM of SCREEN 140'

DRILL CEMENT TO 145'

HOLE TD 150'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID OMW-7 **DATE** 11/21/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 80'

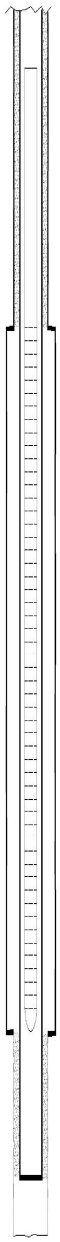
LENGTH of LAP PIPE 20'

BOTTOM of CASING 100'

TOP of SCREEN 100'

TOP of UR 103'

3" SCREEN



LENGTH of UR 37'

LENGTH of SCREEN 40'

BOTTOM of UR 140'

BOTTOM of SCREEN 140'

DRILL CEMENT TO 145'

HOLE TD 150'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID OMW-8 **DATE** 11/21/2024 **DRILLER**

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 80'

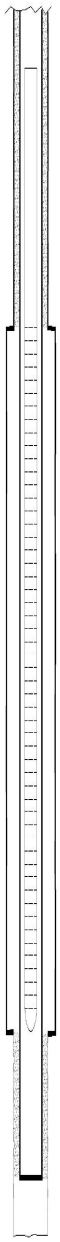
LENGTH of LAP PIPE 20'

BOTTOM of CASING 100'

TOP of SCREEN 100'

TOP of UR 103'

3" SCREEN



LENGTH of UR 37'

LENGTH of SCREEN 40'

BOTTOM of UR 140'

BOTTOM of SCREEN 140'

DRILL CEMENT TO 145'

HOLE TD 150'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-1 (USC-1) DATE 12/18/2024 DRILLER Ricky - NRC

TOP of k-packer 260'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 270'

TOP of UR 280'

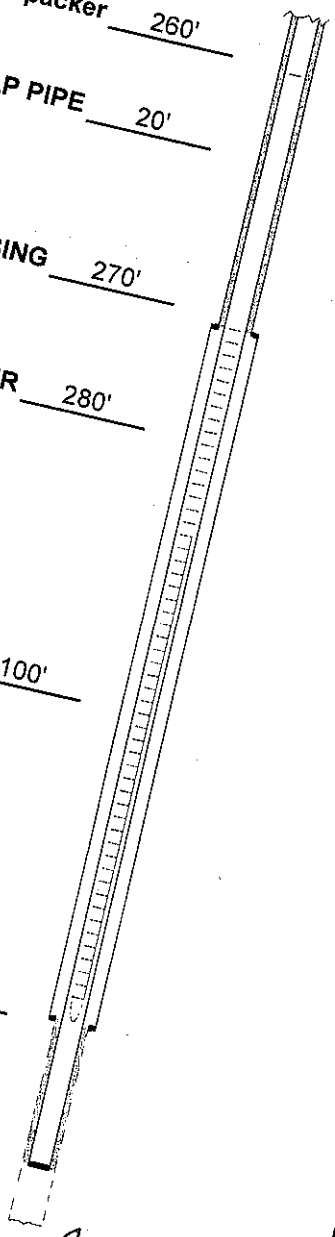
LENGTH of UR 100'

BOTTOM of UR 380'

HOLE TD 400'

NATURE of DRILLER Ricky G.

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"



TOP of SCREEN 280'

3" SCREEN

LENGTH of SCREEN 100'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-2B DATE 2/13/2025 DRILLER Chris - NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 260'

ENGTH of LAP PIPE 20'

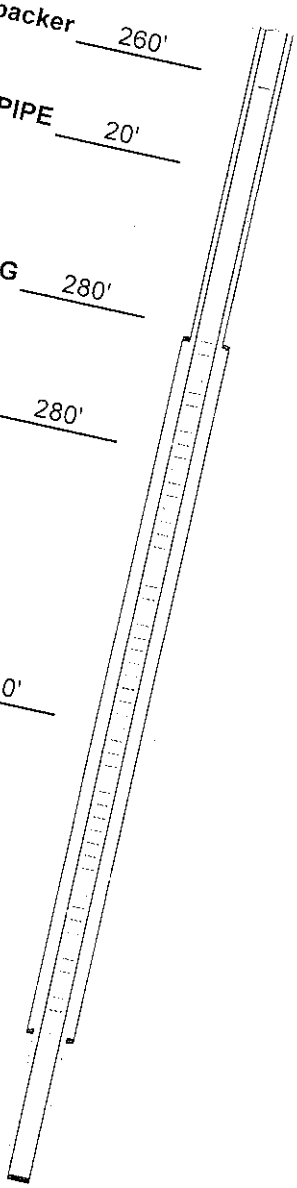
BOTTOM of CASING 280'

TOP of UR 280'

LENGTH of UR 110'

BOTTOM of UR 390'

HOLE TD 400'



TOP of SCREEN 280'

3" SCREEN

LENGTH of SCREEN 110'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

GNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-3A DATE 2/13/2025 DRILLER John - Everett

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of UR 290'

TOP of SCREEN 290'

3" SCREEN

LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

HOLE TD 420'

SIGNATURE of DRILLER

DRILL CEMENT TO 395'

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-4A DATE 2/13/2025 DRILLER Chris - NBU

TOP of k-packer ~~270'~~ 250'

ENGTH of LAP PIPE ~~20'~~ 40'

BOTTOM of CASING 295'

TOP of UR 295'

LENGTH of UR 95'

BOTTOM of UR 390'

HOLE TD 420'

GNATURE of DRILLER Chris C.

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

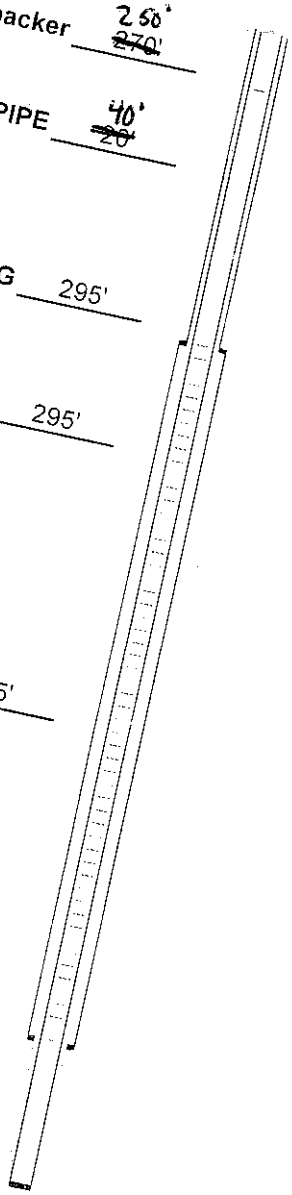
TOP of SCREEN 290'

3" SCREEN

LENGTH of SCREEN 100'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'



enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-5A DATE 2/13/2025 DRILLER John-Everett 2-19-25

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 275'

ENGTH of LAP PIPE 20'

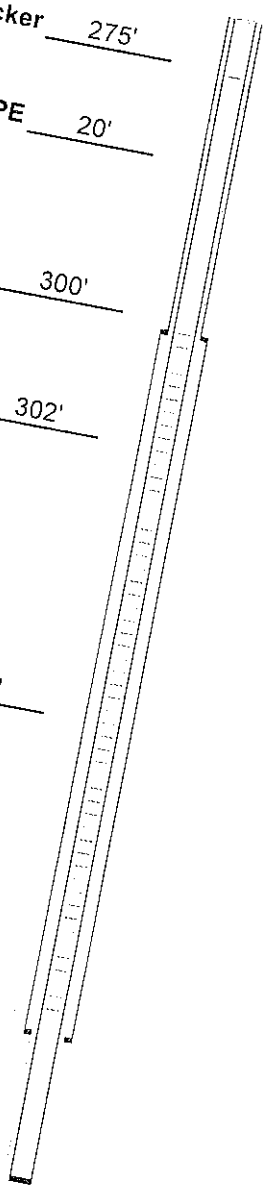
BOTTOM of CASING 300'

TOP of UR 302'

LENGTH of UR 93'

BOTTOM of UR 395'

HOLE TD 420'



TOP of SCREEN 295'

3" SCREEN

LENGTH of SCREEN 100'

BOTTOM of SCREEN 395'

DRILL CEMENT TO 400'

IGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-6 (USC-6) DATE 12/18/2024 DRILLER Chris - NBL

TOP of k-packer 290'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 310'

TOP of UR 310

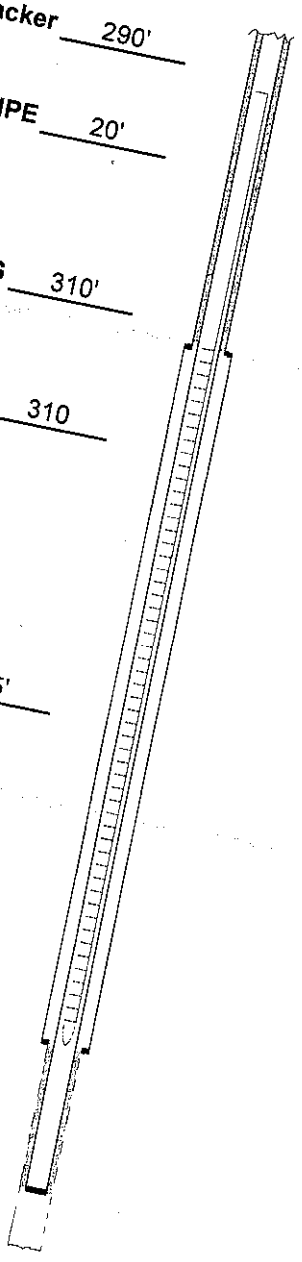
LENGTH of UR 75'

BOTTOM of UR 385'

HOLE TD 400'

IGNATURE of DRILLER Chris C.

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"



TOP of SCREEN 310'

3" SCREEN

LENGTH of SCREEN 80'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-7 (USC-7) DATE 12/18/2024 DRILLER

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 290'

ENGTH of LAP PIPE 20'

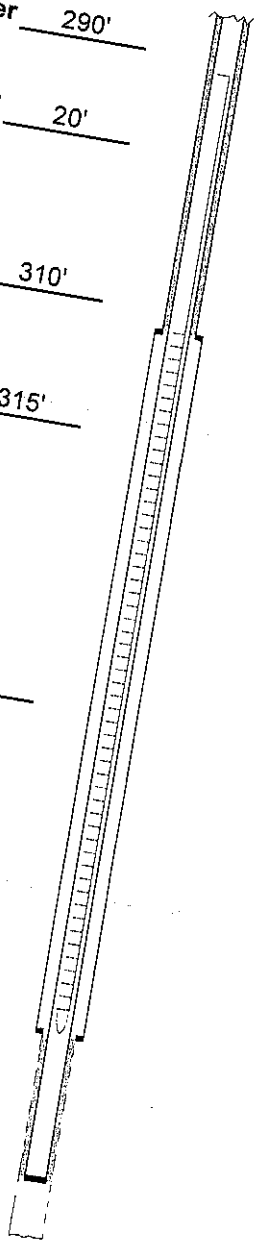
BOTTOM of CASING 310'

TOP of UR 315'

LENGTH of UR 85'

BOTTOM of UR 400'

HOLE TD 400'



TOP of SCREEN 310'

3" SCREEN

LENGTH of SCREEN 90'

BOTTOM of SCREEN 400'

DRILL CEMENT TO 405'

SIGNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-8 (USC-8) DATE 12/18/2024 DRILLER

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 295'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 310'

TOP of UR 315'

TOP of SCREEN 315'

3" SCREEN

LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 395'

BOTTOM of SCREEN 395'

HOLE TD 420'

DRILL CEMENT TO 400'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-9 (USC-9) DATE 12/18/2024 DRILLER Chris-NBE

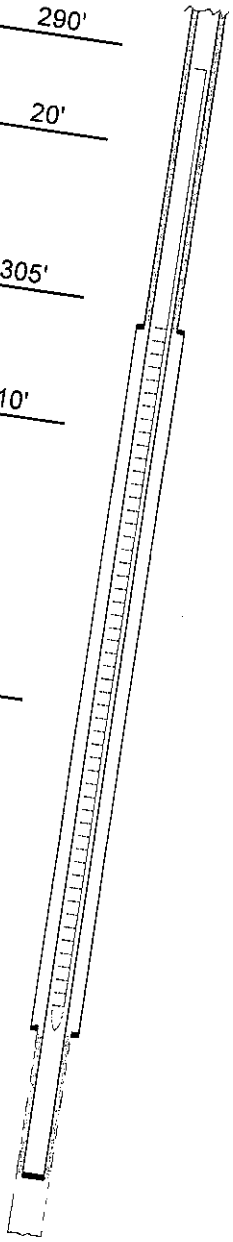
DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 290'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 305'

TOP of UR 310'



TOP of SCREEN 310'

3" SCREEN

LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

HOLE TD 420'

DRILL CEMENT TO 395'

SIGNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-10A DATE 12/19/2024 DRILLER Chris - NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 285'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 300'

TOP of UR 305'

TOP of SCREEN 305'

3" SCREEN

LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

HOLE TD 420'

DRILL CEMENT TO 390'

SIGNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-11A DATE 12/19/2024 DRILLER Chris-NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 280'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 295'

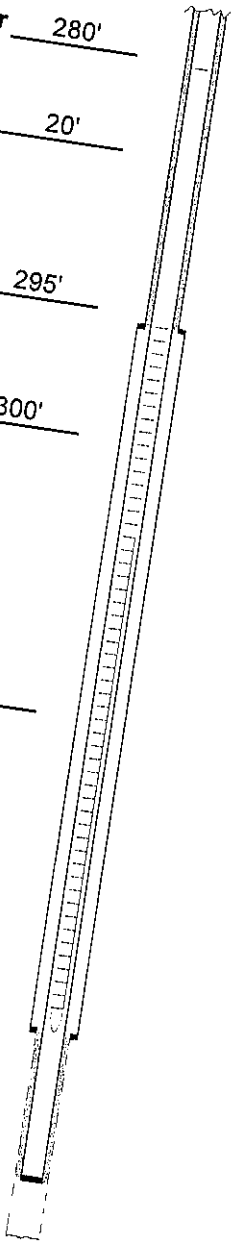
TOP of UR 300'

TOP of SCREEN 300'

3" SCREEN

LENGTH of UR 80'

LENGTH of SCREEN 80'



BOTTOM of UR 380'

BOTTOM of SCREEN 380'

HOLE TD 420'

DRILL CEMENT TO 385'

SIGNATURE of DRILLER Chris C.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-12A DATE 12/19/2024 DRILLER Chris-NB

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 280'

LENGTH of LAP PIPE 20'

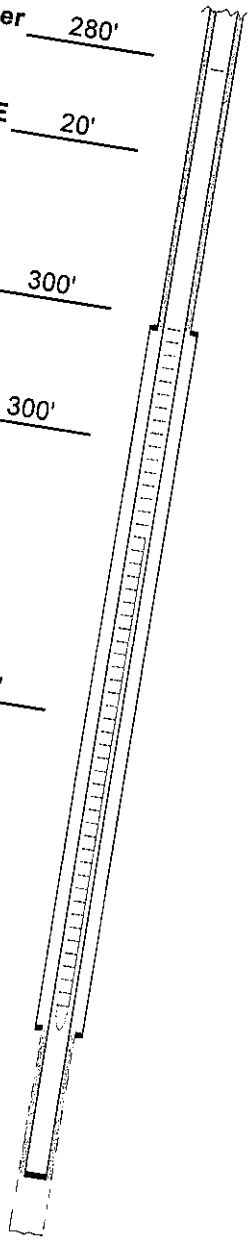
BOTTOM of CASING 300'

TOP of UR 300'

LENGTH of UR 80'

BOTTOM of UR 380'

HOLE TD 420'



TOP of SCREEN 300'

3" SCREEN

LENGTH of SCREEN 80'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

SIGNATURE of DRILLER Chris C.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-13A DATE 12/19/2024 DRILLER John Everett

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 275'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 295'

TOP of UR 295'

TOP of SCREEN 295'

3" SCREEN

LENGTH of UR 80'

LENGTH of SCREEN 80'

BOTTOM of UR 375'

BOTTOM of SCREEN 375'

HOLE TD 420'

DRILL CEMENT TO 380'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-14 DATE 12/19/2024 DRILLER Chris-NBE

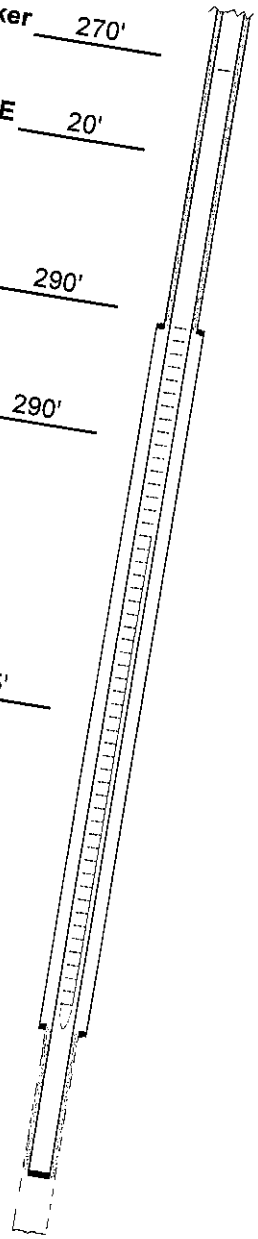
DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of UR 290'



TOP of SCREEN 290'

3" SCREEN

LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 390'

HOLE TD 420'

DRILL CEMENT TO 395'

SIGNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-15 DATE 12/19/2024 DRILLER John - Everett

TOP of k-packer 250 ~~270'~~

ENGTH of LAP PIPE 20'

added 20' of lap

40' total

BOTTOM of CASING 290'

TOP of UR 290'

LENGTH of UR 90'

BOTTOM of UR 380'

HOLE TD 420'

GNATURE of DRILLER

DRILL HOLE DIA. 7 7/8"

CASING ID 5"

LINER ID 3"

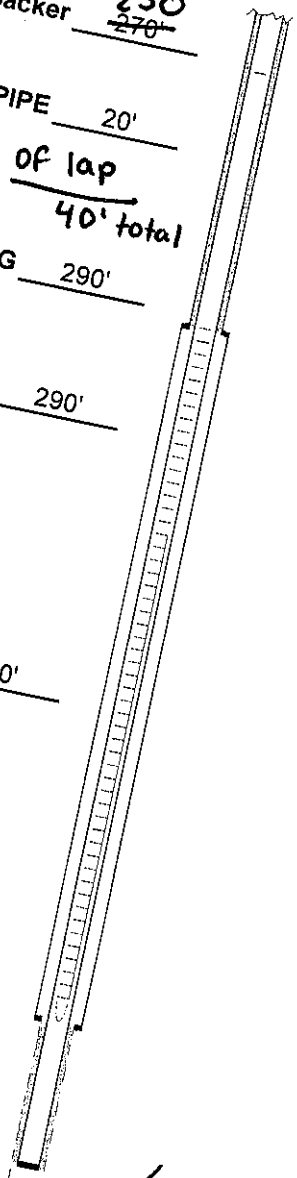
TOP of SCREEN 290'

3" SCREEN

LENGTH of SCREEN 90'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'



enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-16 DATE 12/19/2024 DRILLER Ricky - NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of UR 290'

TOP of SCREEN 290'

3" SCREEN

LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 390'

HOLE TD 420'

DRILL CEMENT TO 395'

SIGNATURE of DRILLER Ricky O.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-17 DATE 12/19/2024 DRILLER Chris-NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

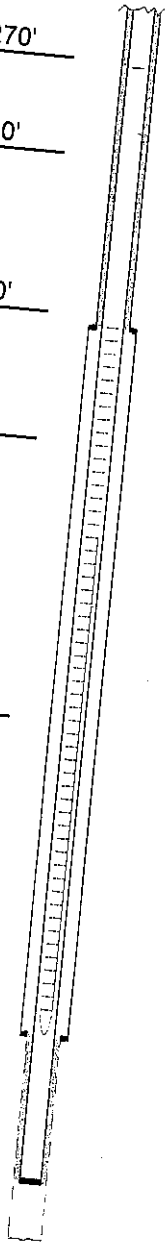
TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN

LENGTH of UR 100'

LENGTH of SCREEN 100'



BOTTOM of UR 390'

BOTTOM of SCREEN 390'

HOLE TD 420'

DRILL CEMENT TO 395'

SIGNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-18 DATE 12/19/2024 DRILLER Ricky - NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

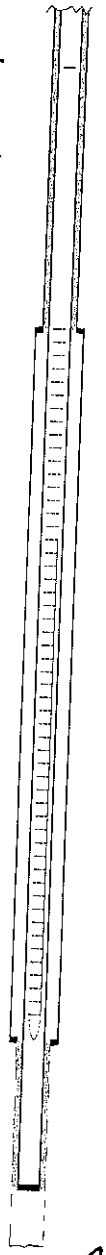
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 95'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

HOLE TD 420'

DRILL CEMENT TO 390'

SIGNATURE of DRILLER Ricky G.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-19 DATE 1/14/2025 DRILLER Chris-NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer ~~270'~~ 250'

ENGTH of LAP PIPE 20'
added 20' more
40' total

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

HOLE TD 420'

DRILL CEMENT TO 395'

SIGNATURE of DRILLER Chris C.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-20 **DATE** 1/14/2025 **DRILLER** John-Everett

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

DRILL CEMENT TO 395'

HOLE TD 420'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-21 DATE 1/16/2025 DRILLER John - Everett

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

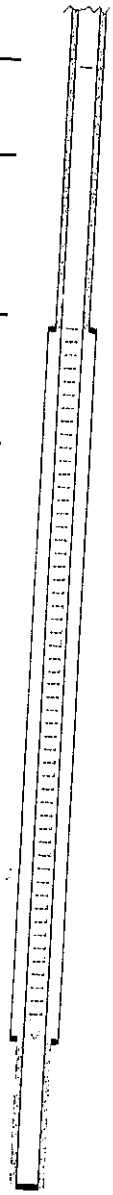
TOP of SCREEN 290'

TOP of UR 292'

3" SCREEN

LENGTH of UR 98'

LENGTH of SCREEN 100'



BOTTOM of UR 390'

BOTTOM of SCREEN 390'

HOLE TD 420'

DRILL CEMENT TO 395'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-22 DATE 1/16/2025 DRILLER John - Everett

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN

LENGTH of UR 105'

LENGTH of SCREEN 110'



BOTTOM of UR 395'

BOTTOM of SCREEN 400'

HOLE TD 420'

DRILL CEMENT TO 405'

SIGNATURE of DRILLER

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-23 DATE 1/16/2025 DRILLER Chris - NBC

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

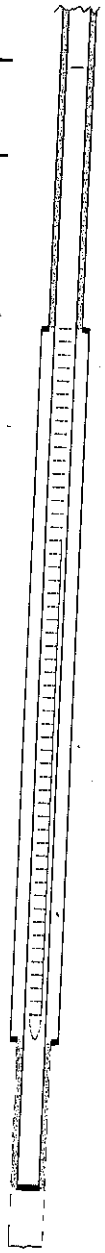
TOP of k-packer 270'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'



3" SCREEN

LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 390'

BOTTOM of SCREEN 390'

HOLE TD 420'

DRILL CEMENT TO 395'

SIGNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-24 DATE 1/16/2025 DRILLER Chris - NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

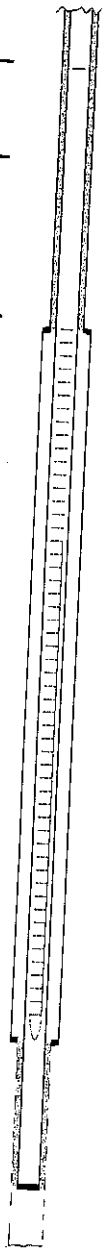
TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN

LENGTH of UR 95'

LENGTH of SCREEN 100'



BOTTOM of UR 385'

BOTTOM of SCREEN 390'

HOLE TD 420'

DRILL CEMENT TO 395'

SIGNATURE of DRILLER Chris C.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-25 DATE 1/16/2025 DRILLER Ricky - NMC

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 292'

3" SCREEN

LENGTH of UR 98'

LENGTH of SCREEN 110'



BOTTOM of UR 390'

BOTTOM of SCREEN 400'

DRILL CEMENT TO 405'

HOLE TD 420'

SIGNATURE of DRILLER Ricky O.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-26 DATE 1/16/2025 DRILLER Mike-NRC

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 245' ~~265'~~

LENGTH of LAP PIPE 40' ~~20'~~

BOTTOM of CASING 285'

TOP of SCREEN 285'

TOP of UR 287'

3" SCREEN

LENGTH of UR 98'

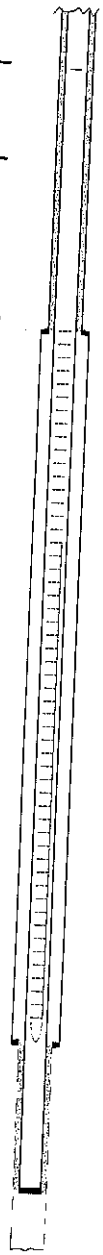
LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

HOLE TD 420'

DRILL CEMENT TO 390'



SIGNATURE of DRILLER Mike

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-27 DATE 1/16/2025 DRILLER Chris-NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 265'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 285'

TOP of SCREEN 285'

TOP of UR 285'

3" SCREEN

LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

HOLE TD 420'

DRILL CEMENT TO 390'

SIGNATURE of DRILLER Chris C.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-28 DATE 1/16/2025 DRILLER Chris-EVBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 265'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 285'

TOP of SCREEN 285'

TOP of UR 285'

3" SCREEN



LENGTH of UR 100'

LENGTH of SCREEN 100'

BOTTOM of UR 385'

BOTTOM of SCREEN 385'

DRILL CEMENT TO 390'

HOLE TD 420'

SIGNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-29 DATE 1/16/2025 DRILLER Chris-NDC

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 270'

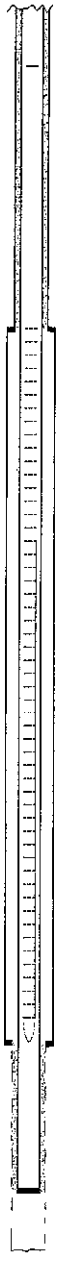
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 290'

TOP of UR 290'

3" SCREEN



LENGTH of UR 90'

LENGTH of SCREEN 90'

BOTTOM of UR 380'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 420'

SIGNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-30 DATE 1/16/2025 DRILLER Chris-NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 260'

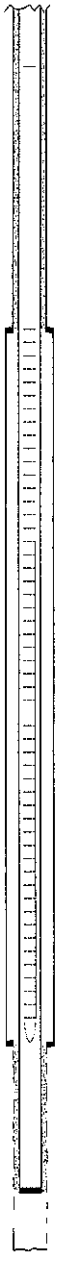
LENGTH of LAP PIPE 20'

BOTTOM of CASING 290'

TOP of SCREEN 280'

TOP of UR 285'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 380'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 420'

SIGNATURE of DRILLER Chris C.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-31B DATE 2/13/2025 DRILLER Chris-NBL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 260'

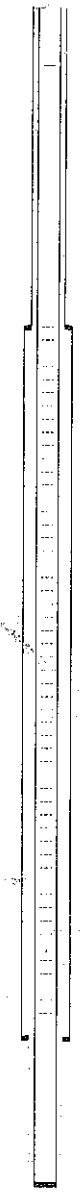
LENGTH of LAP PIPE 20'

BOTTOM of CASING 275'

TOP of SCREEN 280'

TOP of UR 280'

3" SCREEN



LENGTH of UR 95'

LENGTH of SCREEN 100'

BOTTOM of UR 375'

BOTTOM of SCREEN 380'

DRILL CEMENT TO 385'

HOLE TD 420'

SIGNATURE of DRILLER Chris C

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-32 DATE 1/16/2025 DRILLER Chris - ABL

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 255'

ENGTH of LAP PIPE 20'

BOTTOM of CASING 275'

TOP of SCREEN 275'

TOP of UR 275'

3" SCREEN



LENGTH of UR 105'

LENGTH of SCREEN 110'

BOTTOM of UR 380'

BOTTOM of SCREEN 385'

DRILL CEMENT TO 390'

HOLE TD 420'

SIGNATURE of DRILLER Chris C.

enCore Energy URI-USC Brown

COMPLETION RECORD

WELL ID MW-33 DATE 1/16/2025 DRILLER Chris-NBE

DRILL HOLE DIA. 7 7/8"
CASING ID 5"
LINER ID 3"

TOP of k-packer 255'

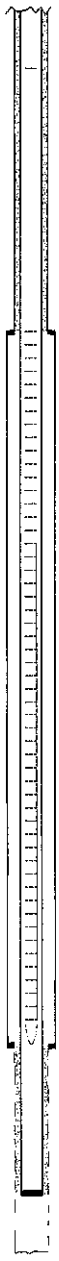
ENGTH of LAP PIPE 20'

BOTTOM of CASING 275'

TOP of SCREEN 275'

TOP of UR 275'

3" SCREEN



LENGTH of UR 130'

LENGTH of SCREEN 130'

BOTTOM of UR 405'

BOTTOM of SCREEN 405'

DRILL CEMENT TO 410'

HOLE TD 420'

SIGNATURE of DRILLER Chris C

Section IV-F.3
Mechanical Integrity
Reports

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-17

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Eduardo Garza

Well Status _____ Packer Set @ _____ _____

Start Time: 4:16 Pressure (P1): 120

Finish Time: 4:35 Pressure (P2): 119

TOTAL 19 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = .8333 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

_____

_____

_____

_____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-18

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Eduardo Garza

Well Status _____ Packer Set @ _____ _____

Start Time: 3:52 Pressure (P1): 120

Finish Time: 4:10 Pressure (P2): 118

TOTAL 18 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-19

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Eduardo Garza

Well Status _____ Packer Set @ _____ _____

Start Time: 4:09 Pressure (P1): 120

Finish Time: 4:25 Pressure (P2): 117

TOTAL 16 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 2.5 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-25

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Eduardo Garza

Well Status _____ Packer Set @ _____ _____

Start Time: 12:09 Pressure (P1): 120

Finish Time: 12:25 Pressure (P2): 112

TOTAL 16 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 6.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

_____

_____

_____

_____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-20

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 3:42 Pressure (P1): 120

Finish Time: 4:02 Pressure (P2): 117

TOTAL 20 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 2.5 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

_____

_____

_____

_____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-21

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 3:27 Pressure (P1): 120

Finish Time: 3:45 Pressure (P2): 118

TOTAL 18 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-22

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 2:55 Pressure (P1): 120

Finish Time: 3:12 Pressure (P2): 118

TOTAL 17 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

_____

_____

_____

_____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-23

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 2:40 Pressure (P1): 120

Finish Time: 2:58 Pressure (P2): 116

TOTAL 18 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 3.33 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-24

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 1:36 Pressure (P1): 120

Finish Time: 1:53 Pressure (P2): 118

TOTAL 17 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-27

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:42 Pressure (P1): 120

Finish Time: 12:02 Pressure (P2): 117

TOTAL 20 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 2.5 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-26

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Eduardo Garza

Well Status _____ Packer Set @ _____ _____

Start Time: 11:54 Pressure (P1): 120

Finish Time: 12:10 Pressure (P2): 114

TOTAL 16 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 5.0 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-29

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:05 Pressure (P1): 120

Finish Time: 11:25 Pressure (P2): 113

TOTAL 20 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.833 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-28

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Aaron Chagra

Well Status _____ Packer Set @ _____ _____

Start Time: 11:35 Pressure (P1): 120

Finish Time: 12:00 Pressure (P2): 115

TOTAL 15 minutes

% Pressure Loss = $\frac{P1-P2}{P1}$ x 100 = 4.16667 %

Pressure Loss Not to Exceed 10%

Test Results: Positive

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-10

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-15-24 By: Eduardo Garza

Well Status _____ Packer Set @ _____ _____

Start Time: 4:15 Pressure (P1): 120

Finish Time: 4:35 Pressure (P2): 114

TOTAL 20 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 5.0 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)
Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive
Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-11A

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-15-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 4:35 Pressure (P1): 120

Finish Time: 4:50 Pressure (P2): 118

TOTAL 15 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)
Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive
Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-30

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:08 Pressure (P1): 120

Finish Time: 11:25 Pressure (P2): 110

TOTAL 17 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 8.33 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-13A

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-15-24 By: Eduardo Garza

Well Status _____ Packer Set @ _____ _____

Start Time: 4:58 Pressure (P1): 120

Finish Time: 5:15 Pressure (P2): 114

TOTAL 17 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.0 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive
Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-32

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-11-24 By: Dean Chyzen

Well Status _____ Packer Set @ _____ _____

Start Time: 11:21 Pressure (P1): 120

Finish Time: 11:38 Pressure (P2): 113

TOTAL 17 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.833 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID OMW-6

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-14-24 By: Sean Chapa

Well Status _____ Packer Set @ _____

Start Time: 2:25 Pressure (P1): 120

Finish Time: 2:50 Pressure (P2): 113

TOTAL 25 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.833 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-12A

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-15-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 4:44 Pressure (P1): 120

Finish Time: 5:04 Pressure (P2): 118

TOTAL 20 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)
Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive
Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-14

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-15-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 5:12 Pressure (P1): 120

Finish Time: 5:30 Pressure (P2): 113

TOTAL 18 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.833 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-15

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-16-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:00 Pressure (P1): 120

Finish Time: 11:20 Pressure (P2): 116

TOTAL 20 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 3.333 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-16

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-16-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 10:37 Pressure (P1): 120

Finish Time: 10:52 Pressure (P2): 120

TOTAL 15 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 0 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID OMW-3

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-16-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 10:33 Pressure (P1): 120

Finish Time: 10:50 Pressure (P2): 119

TOTAL 17 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = .8333 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive
Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID OMW-4

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-16-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:55 Pressure (P1): 120

Finish Time: 12:10 Pressure (P2): 118

TOTAL 15 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID DMW-5

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-16-24 By: Eduardo Garza

Well Status _____ Packer Set @ _____ _____

Start Time: 11:22 Pressure (P1): 120

Finish Time: 11:38 Pressure (P2): 118

TOTAL 16 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)
Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive
Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID OMW-7

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-16-24 By: Eduardo Garea

Well Status _____ Packer Set @ _____ _____

Start Time: 12:05 Pressure (P1): 120

Finish Time: 12:20 Pressure (P2): 117

TOTAL 15 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 2.5 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-6

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-18-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 3:36 Pressure (P1): 120

Finish Time: 4:00 Pressure (P2): 114

TOTAL 24 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 5.00 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-7

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-18-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:45 Pressure (P1): 120

Finish Time: 12:00 Pressure (P2): 114

TOTAL 15 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.00 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-9

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-18-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:30 Pressure (P1): 120

Finish Time: 11:50 Pressure (P2): 118

TOTAL 20 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-8

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-18-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 3:25 Pressure (P1): 120

Finish Time: 3:42 Pressure (P2): 119

TOTAL 17 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = .8333 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-1

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-18-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 4:08 Pressure (P1): 120

Finish Time: 4:25 Pressure (P2): 116

TOTAL 17 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 3.333 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID OMW-8

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-18-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:10 Pressure (P1): 120

Finish Time: 11:30 Pressure (P2): 113

TOTAL 20 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.8333 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID OMW-1

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-22-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 1:44 Pressure (P1): 120

Finish Time: 2:00 Pressure (P2): 114

TOTAL 16 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.00 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID OMW-2

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-22-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 3:00 Pressure (P1): 120

Finish Time: 3:20 Pressure (P2): 114

TOTAL 20 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.00 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-33

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 10-22-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 1:54 Pressure (P1): 120

Finish Time: 2:09 Pressure (P2): 112

TOTAL 15 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 6.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID BM-1B

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 11-18-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:50 Pressure (P1): 120

Finish Time: 12:06 Pressure (P2): 115

TOTAL 16 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 4.16667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-5A

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-17-25 By: Eduardo Garza

Well Status _____ Packer Set @ _____ _____

Start Time: 10:45 Pressure (P1): 120

Finish Time: 11:05 Pressure (P2): 118

TOTAL 20 min

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 1.6667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-3A

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-17-25 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 10:00 Pressure (P1): 120

Finish Time: 10:20 Pressure (P2): 115

TOTAL 20 min.

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 4.16667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID BM-8

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 11-18-24 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 11:18 Pressure (P1): 120

Finish Time: 11:33 Pressure (P2): 115

TOTAL 15 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 4.16667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)
Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive
Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-2B

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-17-25 By: Sean Chapa

Well Status _____ Packer Set @ _____ _____

Start Time: 10:05 Pressure (P1): 120

Finish Time: 10:30 Pressure (P2): 117

TOTAL 25 min.

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 2.5 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-4A

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-19-25 By: Eduardo Garza

Well Status _____ Packer Set @ _____

Start Time: 11:05 Pressure (P1): 120

Finish Time: 11:35 Pressure (P2): 114

TOTAL 30 min.

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 5.0 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-Brown

CASING INTEGRITY TEST

Well ID MW-31B

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-20-25 By: Eduardo Garza

Well Status _____ Packer Set @ _____

Start Time: 1:05 Pressure (P1): 120

Finish Time: 1:35 Pressure (P2): 115

TOTAL 30 min.

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 4.16667 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive) / Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive / Negative

Remarks: _____

enCore Energy URI-USC

CASING INTEGRITY TEST

Well ID BM-9

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-27-25 By: Nick Flores

Well Status _____ Packer Set @ 283 _____

Start Time: 3:40 Pressure (P1): 120

Finish Time: 4:10 Pressure (P2): 120

TOTAL 30 min

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 0 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-USC

CASING INTEGRITY TEST

Well ID Bm. 6

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-26-25 By: Pedro L Espade

Well Status _____ Packer Set @ 317 _____

Start Time: 1:40 Pressure (P1): 120

Finish Time: 2:10 Pressure (P2): 115

TOTAL 30 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 4.2 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-USC

CASING INTEGRITY TEST

Well ID BM-7A

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-27-25 By: Mark Flury

Well Status _____ Packer Set @ 276 _____

Start Time: 12:01 Pressure (P1): 125

Finish Time: 12:31 Pressure (P2): 120

TOTAL 30min

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 4.2 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-USC

CASING INTEGRITY TEST

Well ID Bm-5

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-27-25 By: North Story

Well Status _____ Packer Set @ 325 _____

Start Time: 5:20 pm Pressure (P1): 120

Finish Time: 5:50 pm Pressure (P2): 115

TOTAL 30 min

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 4.2 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-USC

CASING INTEGRITY TEST

Well ID BM-24A

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-27-25 By: North Flint

Well Status _____ Packer Set @ 320 _____

Start Time: 2:00pm Pressure (P1): 120

Finish Time: 2:30pm Pressure (P2): 115

TOTAL 30 min

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 4.2 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

enCore Energy URI-USC

CASING INTEGRITY TEST

Well ID Bm-3

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 2-28-25 By: Nick Flores

Well Status _____ Packer Set @ 273 _____

Start Time: 11:30 Pressure (P1): 120

Finish Time: 12:00 Pressure (P2): 115

TOTAL 30 minutes

% Pressure Loss = $\frac{P1-P2}{P1} \times 100$ = 4.2 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)
Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive
Negative

Remarks: _____

enCore Energy URI-USC

CASING INTEGRITY TEST

Well ID BM4

A. MECHANICAL INTEGRITY TEST – PRESSURE TEST

Date: 3-5-25 By: Nick Flores

Well Status _____ Packer Set @ 274 _____

Start Time: 10:50 Pressure (P1): 120

Finish Time: 11:20 Pressure (P2): 120

TOTAL 30 min

% Pressure Loss = $\frac{P1-P2}{P1} \times 100 =$ 0 %

Pressure Loss Not to Exceed 10%

Test Results: (Positive)

Negative

B. CASING CHECK – Log

Date: _____ By: _____

Type of Log: _____

Test Results: Positive

Negative

Remarks: _____

Section IV-G
Hydrologic Testing Results and Interpretation

Appendix 4
Hydrologic Testing and Analyses

The goal of the enCore Energy Corp (enCore) USC Brown in-situ Mine hydrologic testing program is to determine the hydraulic properties of the Production Ore Zone aquifer, and to determine the degree, if any, of vertical hydraulic connection between the production zone and the overlying aquifers. The PAA testing program was also conducted to ascertain whether the perimeter and production monitor wells are completed in the appropriate aquifer units, and to demonstrate hydraulic communication between those wells and the Baseline Monitoring (BMW) wells. Finally, the testing program was conducted to determine the presence of any hydraulic boundaries or recharge features.

1.0 Test Methodology and Procedures

1.1 Test Area Distribution

The hydrologic testing program for the enCore Energy Corp USC Brown PAA (PAA) production area was performed in a single pumping event. Test area is located at the USC PAA, and included all of the wells (i.e., pumping and observation) associated with the aquifer testing, using the baseline monitor wells BM-1B, BM-2A, BM-3, BM-4, BM-5, BM-6, BM-7A and BM-9 as the pumping wells. The test was comprised of three types of well including 8 baseline monitor (BM) wells, 33 perimeter monitor (MW) wells and 8 overlying perimeter monitor (OMW) wells.

1.2 Overview of Test Design

The hydrologic testing program consisted of an individual pump test. The pump test included a recording of background, drawdown and recovery data at that test area. The drawdown testing was analyzed using aquifer parameter analysis through Aqtesolv.

The on-site testing program was conducted during a four day period from March 11 through 14, 2025. A pump test chronology summarizing the test particulars is attached with this report.

1.3 Test Data Acquisition Equipment

Water level data acquisition was conducted using a combination of submersible digital pressure transducer equipment (In-Situ LevelTrolls) and manual electric-line (e-line) measurements. The focus of the data acquisition plan was to obtain a continuous record of water levels from the monitor wells within each test area using the LevelTroll pressure transducers. The OMW wells are completed in the overlying aquifer. The OMW wells were measured manually with e-lines to record water levels during the testing events at frequencies sufficient to detect any potential drawdowns due to underlying pumping of the Production Zone.

The test design for PAA employed setting forty downhole pressure transducers (In-Situ LevelTrolls) in the monitor wells and BMW pumper wells for the test area. An additional surface-installed In-Situ BaroTroll was activated to record barometric pressure data at the PAA site during the entire field event. The pressure transducer equipment was provided by In-Situ, Inc. and consisted of forty (thirty three monitored wells and seven pumped wells) LevelTroll transducers, each with an absolute pressure range of 0-30 psig (0-100 psig for the pumpers) and an internal memory capacity of a minimum of 100,000 data points. The barometric pressure transducer equipment was also provided by In-Situ, Inc. and consisted of one Barotroll transducer with an absolute pressure range of below sea level to 18,000 feet, and memory capability of up to 100,000 data points. The LevelTroll transducers were vented to the surface through vented cable (thus providing gauge pressure (psig) values), and when submerged below water level in the monitor wells, they accurately measured the change in water levels within the wells. The transducers were typically submerged to a depth of between 10-50 feet below water level to allow the recording of a maximum water level drawdown. If necessary due to any significant atmospheric pressure changes (weather fronts) during the time of a test, the recorded transducer values can be adjusted using the barometric data gathered from the BaroTroll to account for significant atmospheric changes. The use of vented transducers, however, precludes the need to correct for barometric changes except for extreme atmospheric change events.

A summary of wells that were monitored with pressure transducer and e-line equipment for each of the four test areas is included in Table 1, under the column titled "Measurement Method". A total of 33 Perimeter monitor (MW) wells were monitored with pressure transducer equipment in PAA test. In addition, seven of the test area's pumped wells were also monitored for water level changes during that test by employing a transducer lowered into an access (tremie) tube strapped to the pump discharge pipe. One pumped well BM-7A was measured using e-line because a transducer was unable to be passed through the tremie. During the testing, the water level in the BM-1B pumping well reached a drawdown equilibrium of 55 feet during the pump test. BM-2A pumping well reached a drawdown equilibrium of 56 feet during the pump test. BM-3 pumping well reached a drawdown equilibrium of 47 feet during the pump test. BM-4 pumping well reached a drawdown equilibrium of 60 feet during the pump test. The water level in the BM-5, BM-6 and BM-9 pumping wells went lower than the LevelTroll, which were placed at approximately 280 feet. In well BM-7A, the water level measured by e-line went below the length of the tool at 200 feet.

A discussion of the well construction details for the wells within PAA, including casing size and construction materials, is included in the text of the Production Area Authorization application. These wells are constructed to meet all of the standards as required by the TCEQ.

1.4 Pumping Equipment

The pumped wells for the PAA tests were pumped using electric submersible pumps. In each pumping well, the pump was set at a depth of approximately 300 feet below the top of casing level (BTOC). A 1-inch OD polyethylene tremie (access) tube was also attached to the pump drop-pipe down to a level averaging 20 feet above the pump intake. This allowed for monitoring of the water level drawdown in the pumping well, to avoid pumping the water level down to the pump intake and causing the pump to fail.

During the test, seven - 10 horsepower (HP) electric submersible pumps and one 5 horsepower (HP) electric submersible pump was used in the pumping wells. Electricity was supplied to the pump by a trailer-mounted diesel generator. The pumping rates were monitored using an in-line flow totalizer, measured in gallons, and checked regularly by field personnel. All pumping-related equipment was supplied by enCore.

1.5 PAA Pump Tests

The pumped wells were baseline monitor wells BM-1B, BM-2A, BM-3, BM-4, BM-5, BM-6, BM-7A and BM-9. The recording of background water level data at PAA was initiated on March 11, 2025. Pumping was initiated at 8:05 a.m. on March 12, 2025. Baseline monitor wells were pumped for a duration of 24 hours, until shut down at 8:05 a.m. on March 13, 2024. The pump rate stabilized at a total of 378 gallons per minute (gpm) for the drawdown portion of the test. The individual pump rates for each baseline monitor wells are as follows: 53.3 gpm for BM-1B, 57.3 gpm for BM-2A, 4.2 gpm for BM-3, 49.7 gpm for BM-4, 51.2 gpm for BM-5, 54.3 gpm for BM-6, 50.7 gpm for BM-7A and 57.4 gpm for BM-9. Recovery data were recorded until 7:00 a.m. on March 14, 2025, for a total recovery time of 23 hours. Sufficient drawdown occurred in the perimeter wells over the period of 24 hours of pumping to demonstrate communication with the baseline monitor (BMW) wells, and the data gathered was sufficient for analysis of aquifer parameters.

All wells within PAA were monitored by either pressure transducers or e-line tape measurements. The following wells (see Figure 1) were monitored during this pump test: BM-1B, BM-2A, BM-3, BM-4, BM-5, BM-6, BM-7A, BM-9 (pumping wells); MW1, MW2B, MW3A, MW4A, MW5A, MW6, MW7, MW8, MW9, MW10A, MW11A, MW12A, MW13A, MW14, MW15, MW16, MW17, MW18, MW19, MW20, MW21, MW22, MW23, MW24, MW25, MW26, MW27, MW28, MW29, MW30, MW31B, MW32, MW33 (perimeter monitor wells); OMW-1, OMW-2, OMW-3, OMW-4, OMW-5, OMW-6, OMW-7 and OMW-8 (overlying monitor wells).

2.0 Barometric Pressure Measurements

Barometric pressures were measured and digitally recorded during the entire field event encompassing the pump tests at PAA. Barometric pressure data was gathered using an In-Situ BaroTroll pressure transducer located within PAA. A graph of the barometric pressures and temperatures recorded during the pump testing events is included in Attachment 1 with the hydrographs of the monitored wells.

The atmospheric pressure data recorded during the pump testing indicated several minor fluctuations in well water levels due to barometric changes prior to and during the test events (average water level change typically less than 0.10 ft). Normal diurnal (twice daily) fluctuation of barometric pressure is evident from the data. No significant pressure front traversed the area during a the four day period. These water level effects of no more than 0.1 ft did not interfere with the determination of aquifer communication or analysis, as the magnitude of drawdown/recovery due to aquifer pumping was more than a magnitude greater than the atmospheric effects. By using the vented LevelTroll transducers, (which compensate for minor atmospheric pressure changes), and with the relatively small recorded water level changes, only minor dampening was evident. It was determined that data did not require barometric corrections to be made to the transducer drawdown/recovery data prior to aquifer analysis, as all of those wells had sufficient drawdown to analyze aquifer parameters. The pump test drawdown values overwhelmed the minor fluctuations due to atmospheric changes present, and thus the analyses were not noticeably affected.

Barometric Correction Methodology

Although barometric pressure readings indicated that drawdown data did not require correction prior to aquifer parameter (Aqtesolv) analysis, the methodology for such corrections are included here. Any corrections necessary would have been performed according to guidelines as outlined by Kruseman and de Ridder (1990).

Fluctuations in barometric pressure result in a proportional change in the hydrostatic head for a reservoir. The magnitudes of the hydrostatic head changes are dependent upon the barometric efficiency of the reservoir and the specific gravity of the fluid in the reservoir. The barometric efficiency of a reservoir is defined as the ratio of the actual change in the reservoir water level multiplied by the specific gravity of the fluid and the change in barometric pressure. This relationship is expressed as:

$$BE = \rho g \, dh/dp$$

Where:

BE = Barometric Efficiency

ρg = Specific Gravity of the fluid in the reservoir

dh = Change in fluid level in the reservoir due to barometric pressure changes

dp = Change in barometric pressure expressed in units of hydraulic head

The barometric efficiency of the Sand was determined by comparing background aquifer pressure fluctuation data from several monitor wells' transducers with barometer fluctuations during the same time period, prior to the initiation of pump testing. The water level changes observed in those monitor wells prior to initiation of pumping were compared to the recorded barometric changes. The average barometric efficiency of the aquifer in PAA was determined to be 0.10 (lowest possible is 0.0 and highest is 1.0). This change due to barometric pressure was greatly overshadowed by the water level changes in the aquifer due to the pump test episodes. An aquifer with a low barometric efficiency indicates a highly compressive formation, as would be expected with the poorly consolidated sands. Conversely, a low barometric efficiency indicates an aquifer which has a high loading efficiency, meaning it has a high sensitivity to surface water loading effects such as rainfall events. No significant rainfall events occurred during the PAA pump testing.

Corrections to drawdown and recovery data affected by barometric pressure fluctuations are expressed as follows:

$s' = s + dh_p$ for falling atmospheric pressure and

$s' = s - dh_p$ for rising atmospheric pressure

Where:

s = measured drawdown

s' = adjusted drawdown

dh_p = BE x dp = change in drawdown due to barometric pressure fluctuations

Barometric pressure reading corrections are made by dividing the change in barometric pressure since the start of the test (in psi) by 0.433 psi/foot (pressure exerted by fresh water) and multiplying by the barometric efficiency, 0.10. The resulting head value is then added to the water level readings from each well. Since the barometric correction is relative to the barometric pressure at the beginning of the test, the equation does not need a sign change to reflect rising or falling barometric pressure. The sign is determined by the change from the starting value. The following equation expresses the correction for barometric pressure:

$$s'_t = s_t + (BE \times dp_t / 0.433)$$

Where:

s'_t = corrected drawdown at time t in feet

s_t = measured drawdown at time t in feet

dp_t = change in barometric pressure, relative to the barometric pressure at the beginning of the test, at time t in psi

0.433 = pressure (psi) exerted by 1 foot of hydraulic head of fresh water (psi/foot)

A barometric correction was not applied to the PAA aquifer drawdown data, as noted previously, because barometric pressure effects on the aquifer were typically less than the maximum calculated 0.05 ft for the aquifer, whereas the minimum pump test drawdown values were typically between 1 to 3 orders of magnitude larger. The recorded drawdown values essentially reflect the reservoir fluid level changes due to pumping, and barometric pressure effects can be ignored in those wells for which aquifer analyses were generated.

All drawdown responses noted were greater than would be due to atmospheric effects and reflect communication with the Production Zone.

3.0 Background Water Level Measurements

Initial recording of water levels at each well typically began 24 to 18 hours prior to the pump test and continued for 23 to 28 hours after the completion of pumping. Water levels remained relatively stable during the pre-pumping period in each test area, as the recovery period was chosen to minimize residual pressure transient effects between sequential pump tests.

The background water levels were used to generate Figure 3 Potentiometric Surface Map, were reviewed for any anomalous readings from monitor wells within that area, and if necessary more appropriate post-pumping readings chosen for background values.

4.0 Pumping Rates

Pumping was maintained at as constant a rate as possible during the drawdown portion of the test. The average total pumping rate for PAA tests was 378 gpm. Pumping rate was monitored hourly and was stabilized at as high a volume possible without pumping down the water level to the pump intake, which would result in shut-off of the pump. BM-3 and BM-4 shut down for about an hour between 3:30 and 4:30 a.m. March 13, 2025.

5.0 Record of Water Level Changes

Records of the measured water level drawdown and recovery (residual drawdown) transducer data are provided with the Attachment 2 hydrologic analyses for the perimeter monitor and production monitor wells which utilized transducers to collect data. The data are presented in order by test area and then by well number. Hydrographs of the water level changes in each of these wells are provided in Attachment 1.

Tabulations of the measured water level drawdown and recovery (residual drawdown) e-line tape data are provided in Attachment 1 for the overlying aquifer monitor wells.

6.0 Hydrologic Communication Between Observation Wells and Pumped Wells in the Production Zone

Hydrologic communication between the perimeter and production monitor wells with the pumped perimeter monitor (MW) wells in the Production Zone is confirmed if a measurable water level decrease is recorded in an observation well due to pumping in the Production Zone. The maximum drawdown values recorded in PAA are provided in Table 1.

The results of the pumping tests demonstrate that there is hydrologic communication between the pumped baseline monitor (BM) wells and the perimeter monitor wells in the entire PAA production area. The cone of depression formed during the pump test in PAA is shown in Figure 2 (PAA Maximum Drawdown Map).

All Monitor wells in PAA test had at least 9.92 feet of drawdown during that pump test.

7.0 Transmissivity and Storativity Calculations

For the pump tests in PAA, the interactive computer program AQTESOLV (Duffield and Rumbaugh, 1991) was used to analyze the drawdown (or recovery if necessary) data and calculate the aquifer transmissivity, T, and storativity, S. The hydraulic conductivity, K, was then calculated by dividing the transmissivity by the aquifer net screened thickness, h, in the well (K = T/h). The Theis drawdown analysis method was used to determine hydraulic parameters within the AQTESOLV computer program, as it was determined to produce the lowest standard error using type curve matching.

AQTESOLV can be used to prepare automatic or manual (interactive) type curve matches to the aquifer test data. The drawdown data can be analyzed using several methods:

- the Theis (1935) method for unsteady flow in confined aquifers;
- the Cooper and Jacob (1946) method (modified Theis) for unsteady flow in confined aquifers;

- the Hantush and Jacob (1955) method for unsteady flow to a semi-confined aquifer with no aquitard storage; and
- the Hantush (1960) method for unsteady flow to a semi-confined aquifer with aquitard storage.

Several criteria were used to determine the most representative analysis. Automatic curve matches performed by the AQTESOLV program were verified by inspection. Visual (interactive) curve matches were performed if appropriate. The standard error in the iteration estimate of the transmissivity and the storativity was recorded for AQTESOLV runs where automatic curve matching was selected (the standard error was not available for cases where interactive curve matching was used). For a reliable analysis, the ratio of the standard error, SE, to the calculated storativity or transmissivity should preferably be 10% or less. Analyses with standard error ratios that exceeded 0.1 were considered to be somewhat less accurate. Type curve matches were visually inspected and late time data were given more weight. Barometric fluctuations are not significant in the drawdown curves analyzed and did not affect the curve matching.

From the four analysis methods discussed above, the best match to the test data was chosen for each well. The transmissivity and storativity values determined to be most representative of the hydrogeologic conditions at each well in the PAA area with analyzable data are given in Table 2. The AQTESOLV analysis output files and graphs used to determine the transmissivity and storativity values are included in Attachment 2.

Hydraulic communication with the PAA1 testing pumper wells was evident for the entire area, so the primary purpose of the pump test (a demonstration of communication between exterior monitor wells and production zone (IMW) wells has been made.

8.0 Hydrologic Communication Between Aquifers

The degree of hydraulic connection between the Production Zone and the overlying aquifer is discussed below. Criteria used to assess hydrologic communication include drawdown

effects during pumping, the determination of confined versus semi-confined conditions, and pre-test hydraulic head elevations.

Analysis of the data indicates that there was no distinguishable hydrologic communication between the production zone and the overlying zone during the testing events. This is based on: 1) initial hydraulic head measurements; 2) no water level changes recorded in the overlying wells; and 3) the confined aquifer conditions.

From the background water level data recorded during the pump testing period, the hydraulic head distribution in the production Sand averages 120-127 feet above sea level across the PAA area, as shown in Figure 3 (Potentiometric Surface Map of the Production Zone).

The lack of hydrologic communication between the Production Zone and overlying Sand aquifer is demonstrated by the absence of drawdowns in the OMW wells during the pump test. Water level hydrographs from PAA for the overlying wells are included in Attachment 1. The recorded water level fluctuations in these sands are typically within the range of ± 0.1 to 0.2 feet. The fluctuations are erratic but display a weak diurnal trend. The changes are related to responses to changes in barometric pressure, and not due to pumping from the underlying production Sand.

In all of the monitoring wells from PAA, the interpretations of the analyzable test data (Table 2) are consistent with a confined aquifer response. Any response from a monitoring well that could also fit a solution consistent with a semi-confined (leaky) aquifer model is likely a result of a well configuration where the screened portion of the production Sand in that well is directly underlain or overlain by a semi-pervious layer still located within the production Sand, or communication with the overlying Sand. However, no drawdown due to pumping was observed in the overlying Sand during the pump tests. Multilayer well responses consistent with this hypothesis are discussed by Streltsova (1988).

The confined aquifer model assumes that the completion interval is bounded above and below by an impervious boundary. In the case of the PAA Production Zone, the boundary is formed by a laterally continuous low permeability clay layer above and below the production sand (see PAA Report Cross-Sections). This implies that fluids in the Production Zone sand will be contained within the aquifer exemption area and will not move vertically upward or downward through intervening strata during mining operations if proper operational procedures are followed. The hydraulic head difference between the production sand and overlying sand layers provides an additional measure of safety, as the local groundwater flow has a natural tendency to move downward.

9.0 Hydrologic Boundaries, Recharge Areas, and Aquifer Parameters

The pumping test data were analyzed to check for hydraulic boundaries (e.g., constant pressure or no flow boundaries). The local hydrogeology was also evaluated in relation to recharge areas.

9.1 Hydrologic Boundaries

The Aqtesolv semi-log plots of the drawdown from each aquifer test were analyzed to determine if the water level drawdown was influenced by the presence of hydrologic boundaries. Drawdown would be less than expected in the case of constant pressure boundaries, leakage through faults, or leakage through semi-pervious confining clays. Drawdown would be greater than the ideal in the presence of no flow boundaries, sand pinchouts, lateral changes in hydraulic conductivity, or sealing faults. A doubling or near doubling of the slope of the late time data on the semi-log plots is an indication of possible boundary effects.

A slope doubling possibly reflecting a no flow boundary was not observed on Aqtesolv semi-log plots from any of the wells in the PAA1 test areas. Two observation well locations from the same test are required to estimate the distance and direction of a boundary. The distance to the boundary is calculated from

$$r = (2.25Tt/S)^{1/2}$$

where r is the distance to a theoretical image well causing the no flow boundary and t is the time of intercept of two straight line portions drawn on the semi-log plots (Marsily, 1986). It is only possible to estimate that there is a boundary somewhere between the well and a certain distance away. With two or more wells from which boundary distances can be determined, it was possible to construct a geometrical map and determine the distance and direction of the boundary. The intersection of circles scribed from the calculated radii can be used to estimate the location of such an image well. From that construction and the drawdown records, a possible no flow (or low permeability) region can be identified. There were no indications of any no-flow boundaries within the PAA test areas.

9.2 Recharge Boundaries, Recharge Areas, and Aquifer Parameters

No recharge boundaries were identified through the pump test analyses. This conclusion was based on the lack of water level drawdown in the first and second overlying aquifers. No surface recharge features of the Aquifer are known to exist at the PAA production area. The flow direction for the Production zone aquifer appears to be to the southeast.

Hydraulic conductivity values within PAA range from 15.3 to 17.6 ft/day, but average 16.3 ft/day for the test area. This aquifer parameter is probably the best indicator of Production Zone sand throughput for in-situ mining operations. The average transmissivity and storativity values of the Production zone aquifer over the entire PAA area are 1303 ft.sq/day and 0.001 respectively. The average hydraulic gradient in the Production zone aquifer is 0.000036 [ft/ft] over the area of PAA.

10.0 Hydrologic Testing References

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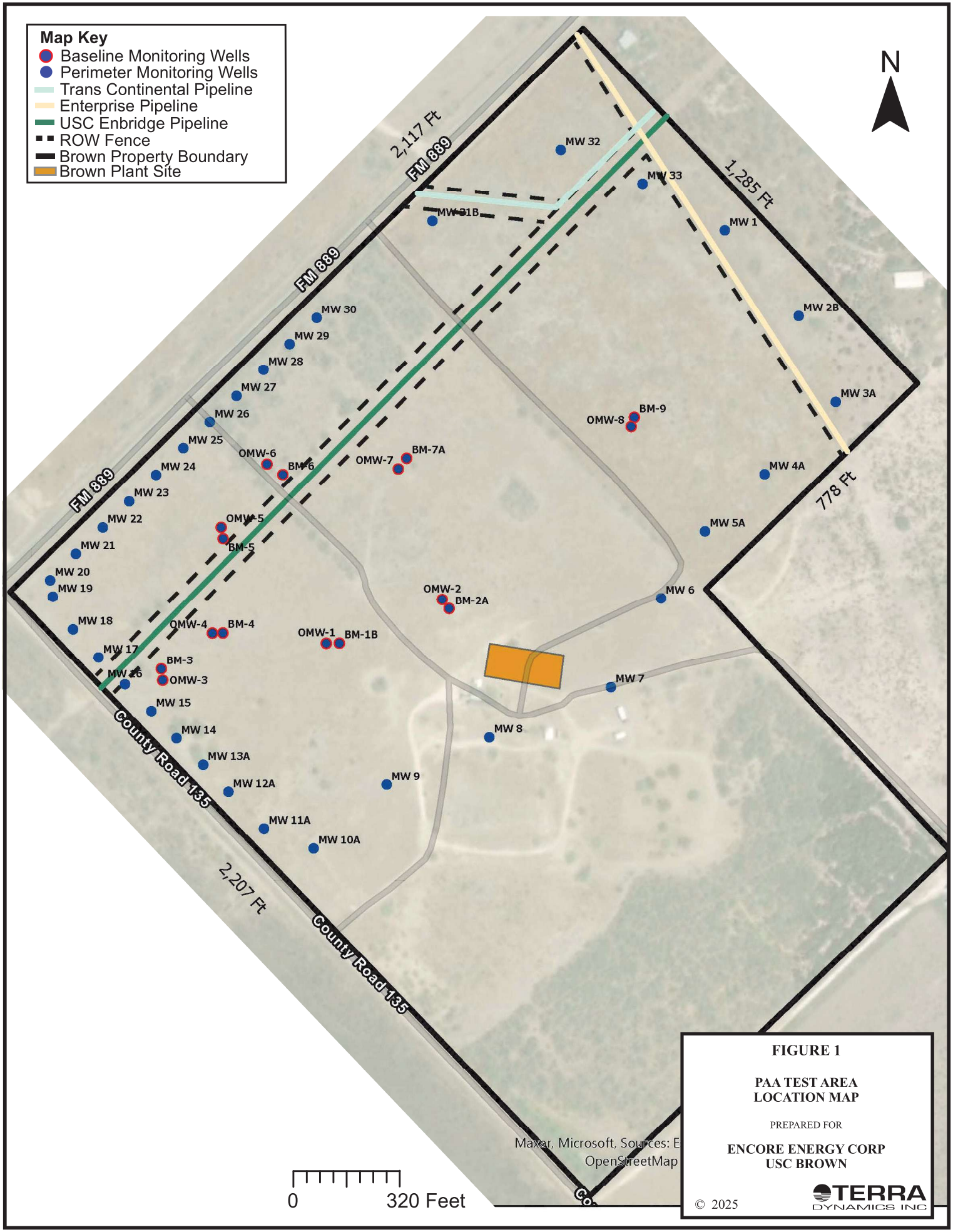
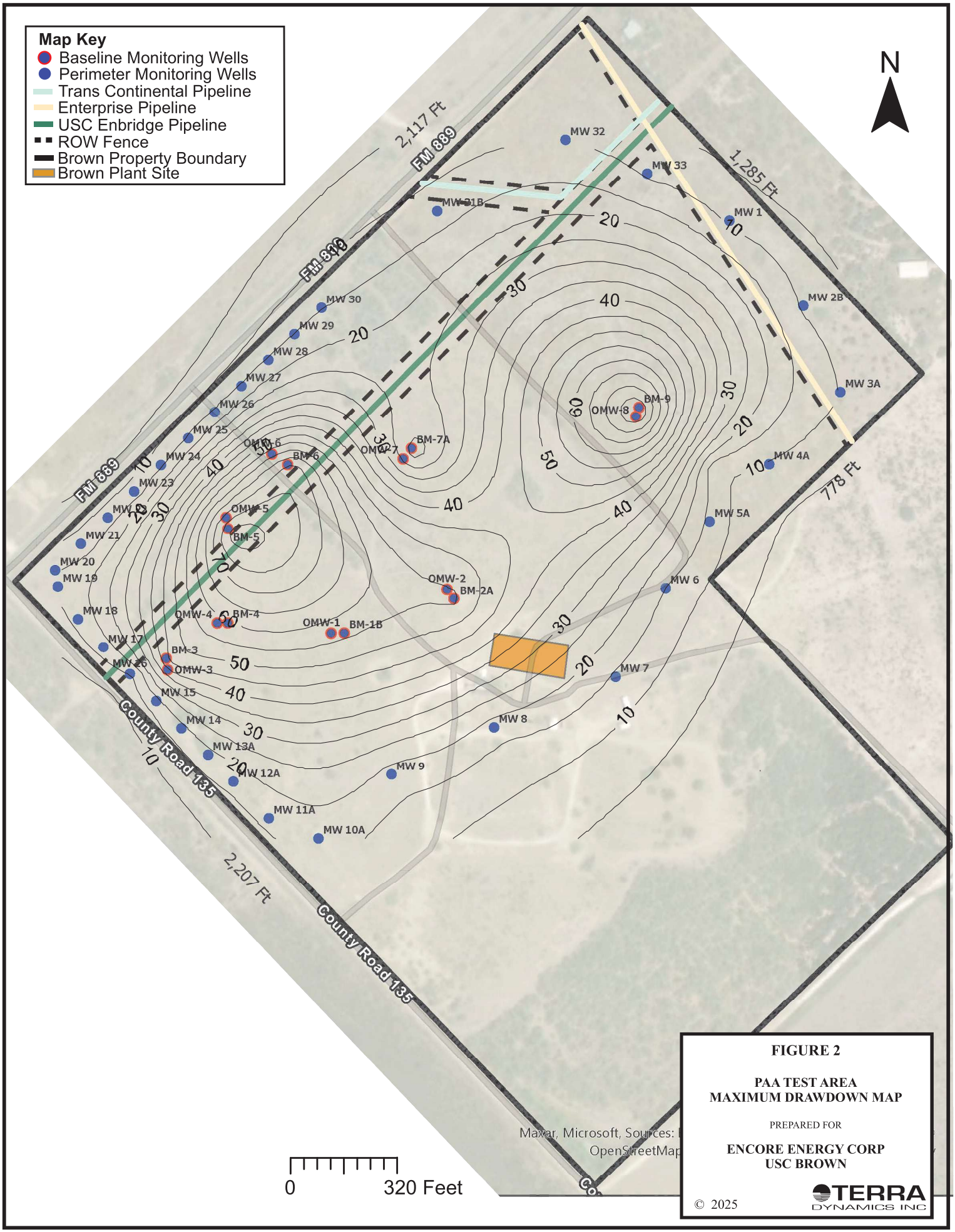

Map Key
Baseline Monitoring Wells
Perimeter Monitoring Wells
Trans Continental Pipeline
Enterprise Pipeline
USC Enbridge Pipeline
ROW Fence
Brown Property Boundary
Brown Plant Site
N
2,117 Ft
FM 889
1,285 Ft
778 Ft
2,207 Ft
County Road 135
MW 32
MW 33
MW 31B
MW 1
MW 30
MW 29
MW 28
MW 27
MW 26
MW 25
MW 24
MW 23
MW 22
MW 21
MW 20
MW 19
MW 18
MW 17
MW 16
MW 15
MW 14
MW 13A
MW 12A
MW 11A
MW 10A
MW 9
MW 8
MW 7
MW 6
MW 5A
MW 4A
MW 3A
MW 2B
OMW-6
BM-6
OMW-7
BM-7A
OMW-8
BM-9
OMW-5
BM-5
OMW-4
BM-4
OMW-1
BM-1B
OMW-2
BM-2A
BM-3
OMW-3
0
320 Feet
Maxar, Microsoft, Sources: E
OpenStreetMap
FIGURE 1
PAA TEST AREA
LOCATION MAP
PREPARED FOR
ENCORE ENERGY CORP
USC BROWN
© 2025
TERRA
DYNAMICS INC


Map Key
Baseline Monitoring Wells
Perimeter Monitoring Wells
Trans Continental Pipeline
Enterprise Pipeline
USC Enbridge Pipeline
ROW Fence
Brown Property Boundary
Brown Plant Site
N
2,117 Ft
1,285 Ft
778 Ft
2,207 Ft
FM 889
FM 888
FM 889
County Road 135
County Road 135
MW 32
MW 33
MW-31B
MW 1
MW 2B
MW 3A
MW 4A
MW 5A
MW 6
MW 7
MW 8
MW 9
MW 10A
MW 11A
MW 12A
MW 13A
MW 14
MW 15
MW 16
MW 17
MW 18
MW 19
MW 20
MW 21
MW 22
MW 23
MW 24
MW 25
MW 26
MW 27
MW 28
MW 29
MW 30
BM-9
OMW-8
BM-7A
OMW-7
BM-6
OMW-6
OMW-5
BM-5
BM-4
OMW-4
BM-3
OMW-3
BM-2A
OMW-2
BM-1B
OMW-1
10
20
30
40
50
60
0
320 Feet
Maxar, Microsoft, Sources:
OpenStreetMap
FIGURE 2
PAA TEST AREA
MAXIMUM DRAWDOWN MAP
PREPARED FOR
ENCORE ENERGY CORP
USC BROWN
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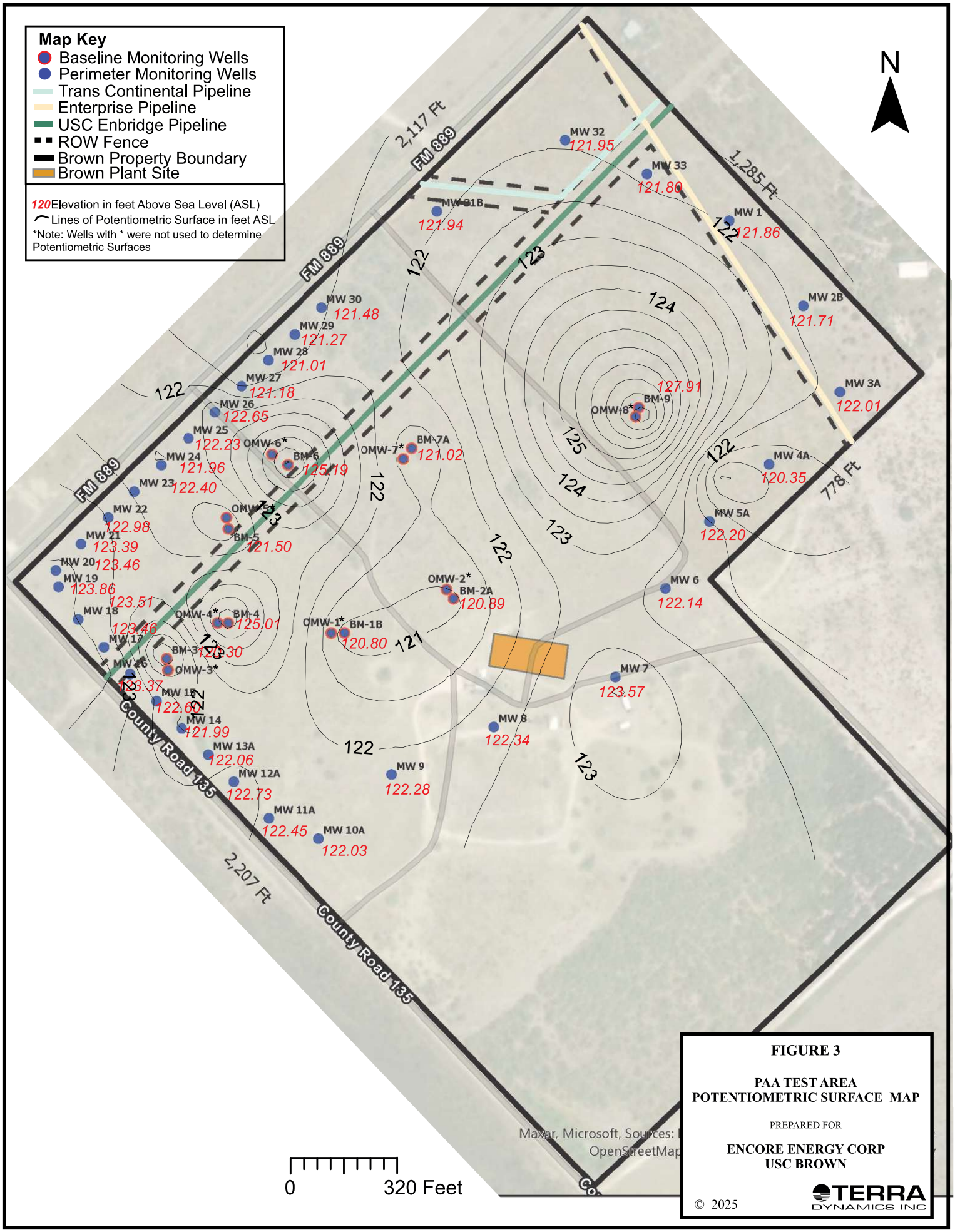
Map Key
Baseline Monitoring Wells
Perimeter Monitoring Wells
Trans Continental Pipeline
Enterprise Pipeline
USC Enbridge Pipeline
ROW Fence
Brown Property Boundary
Brown Plant Site
120 Elevation in feet Above Sea Level (ASL)
Lines of Potentiometric Surface in feet ASL
*Note: Wells with * were not used to determine Potentiometric Surfaces
N
FM 889
2,117 Ft
1,285 Ft
778 Ft
2,207 Ft
County Road 135
MW 32 121.95
MW 33 121.80
MW-31B 121.94
MW 1 121.86
MW 2B 121.71
MW 3A 122.01
MW 4A 120.35
MW 5A 122.20
MW 6 122.14
MW 7 123.57
MW 8 122.34
MW 9 122.28
MW 10A 122.03
MW 11A 122.45
MW 12A 122.73
MW 13A 122.06
MW 14 121.99
MW 15 122.62
MW 16 123.37
MW 17 123.46
MW 18 123.51
MW 19 123.86
MW 20 123.46
MW 21 123.39
MW 22 122.98
MW 23 122.40
MW 24 121.96
MW 25 122.23
MW 26 122.65
MW 27 121.18
MW 28 121.01
MW 29 121.27
MW 30 121.48
BM-9 127.91
OMW-8*
OMW-7*
BM-7A 121.02
OMW-6*
BM-6 125.19
OMW-5*
BM-5 121.50
OMW-4*
BM-4 125.01
BM-3 123.30
OMW-3*
OMW-2*
BM-2A 120.89
OMW-1*
BM-1B 120.80
122
123
124
125
121
0
320 Feet
Maxar, Microsoft, Sources:
OpenStreetMap
FIGURE 3
PAA TEST AREA
POTENTIOMETRIC SURFACE MAP
PREPARED FOR
ENCORE ENERGY CORP
USC BROWN
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Table 1 -- Maximum Drawdown In Monitored Wells

PAA

Well	Type	Measurement Method	Maximum Drawdown (feet)
BM-1B	Baseline Monitor	Transducer	55.44 (Pumping well)
BM-2A	Baseline Monitor	Transducer	55.88 (Pumping well)
BM-3	Baseline Monitor	Transducer	47.31 (Pumping well)
BM-4	Baseline Monitor	Transducer	59.61 (Pumping well)
BM-5	Baseline Monitor	Transducer	> 82.60 (Pumping well)
BM-6	Baseline Monitor	Transducer	> 73.50 (Pumping well)
BM-7A	Baseline Monitor	E-Line	> 17.30 (Pumping well)
BM-9	Baseline Monitor	Transducer	> 81.13 (Pumping well)
MW1	Perimeter Monitor	Transducer	10.03
MW2B	Perimeter Monitor	Transducer	9.92
MW3A	Perimeter Monitor	Transducer	10.10
MW4A	Perimeter Monitor	Transducer	12.10
MW5A	Perimeter Monitor	Transducer	13.98
MW6	Perimeter Monitor	Transducer	14.44
MW7	Perimeter Monitor	Transducer	14.14
MW8	Perimeter Monitor	Transducer	17.08
MW9	Perimeter Monitor	Transducer	17.37
MW10A	Perimeter Monitor	Transducer	17.79
MW11A	Perimeter Monitor	Transducer	16.59
MW12A	Perimeter Monitor	Transducer	17.04
MW13A	Perimeter Monitor	Transducer	18.94
MW14	Perimeter Monitor	Transducer	>19.09
MW15	Perimeter Monitor	Transducer	19.71
MW16	Perimeter Monitor	Transducer	15.43
MW17	Perimeter Monitor	Transducer	17.85
MW18	Perimeter Monitor	Transducer	17.38
MW19	Perimeter Monitor	Transducer	16.48
MW20	Perimeter Monitor	Transducer	>15.73
MW21	Perimeter Monitor	Transducer	>13.39
MW22	Perimeter Monitor	Transducer	>14.28
MW23	Perimeter Monitor	Transducer	>14.95
MW24	Perimeter Monitor	Transducer	>16.71
MW25	Perimeter Monitor	Transducer	18.58
MW26	Perimeter Monitor	Transducer	17.85
MW27	Perimeter Monitor	Transducer	17.86
MW28	Perimeter Monitor	Transducer	17.30
MW29	Perimeter Monitor	Transducer	16.51
MW30	Perimeter Monitor	Transducer	15.90
MW31B	Perimeter Monitor	Transducer	13.37
MW32	Perimeter Monitor	Transducer	10.59
MW33	Perimeter Monitor	Transducer	10.14
OMW-1	Perimeter Monitor	E-Line	No drawdown
OMW-2	Perimeter Monitor	E-Line	No drawdown
OMW-3	Perimeter Monitor	E-Line	No drawdown
OMW-4	Perimeter Monitor	E-Line	No drawdown
OMW-5	Perimeter Monitor	E-Line	No drawdown
OMW-6	Perimeter Monitor	E-Line	No drawdown
OMW-7	Perimeter Monitor	E-Line	No drawdown
OMW-8	Perimeter Monitor	E-Line	No drawdown

Table 2
Transmissivity and Storativity values Derived from AQTESOLV Analyses
PAA

Well	Transmissivity (ft^2/day)	Net Screen Thickness (ft)	Hydraulic Conductivity (ft/day)	Storativity
MW1	1329.8	80	16.6	1.80E-04
MW2B	1255.8	80	15.7	1.95E-04
MW3A	1224.4	80	15.3	1.91E-04
MW4A	1221.0	80	15.3	2.58E-04
MW5A	1261.4	80	15.8	1.50E-04
MW6	1269.7	80	15.9	1.42E-04
MW7	1254.4	80	15.7	1.66E-04
MW8	1228.6	80	15.4	1.27E-04
MW9	1256.1	80	15.7	1.06E-04
MW10A	1269.1	80	15.9	6.42E-05
MW11A	1305.4	80	16.3	8.24E-05
MW12A	1299.9	80	16.3	1.00E-04
MW13A	1271.0	80	15.9	6.68E-05
MW14	1261.1	80	15.8	6.16E-05
MW15	1268.1	80	15.9	6.58E-05
MW16	1308.6	80	16.4	1.54E-04
MW17	1292.4	80	16.2	1.07E-04
MW18	1302.4	80	16.3	7.63E-05
MW19	1318.9	80	16.5	8.67E-05
MW20	1308.4	80	16.4	8.60E-05
MW21	1301.6	80	16.3	1.03E-04
MW22	1328.5	80	16.6	9.40E-05
MW23	1321.9	80	16.5	9.79E-05
MW24	1313.7	80	16.4	1.02E-04
MW25	1323.7	80	16.6	1.10E-04
MW26	1336.5	80	16.7	1.28E-04
MW27	1338.4	80	16.7	1.21E-04
MW28	1350.3	80	16.9	1.23E-04
MW29	1349.8	80	16.9	1.29E-04
MW30	1359.8	80	17.0	1.26E-04
MW31B	1387.7	80	17.4	1.24E-04
MW32	1405.7	80	17.6	1.51E-04
MW33	1378.0	80	17.2	1.74E-04
		Averages	16.3	1.23E-04

PUMP TEST CHRONOLOGY

1. Tuesday March 11, 2025 (mobilized equipment to site)
   Arrived at site in early PM. Drove around the area to locate the USC Brown PAA wells for pump testing. Measured all water levels for PAA pump test with e-line. Set LevelTrolls in wells BM-1B, BM-2A, BM-3, BM-4, BM-5, BM-6, BM-9, MW1, MW2B, MW3A, MW4A, MW5A, MW6, MW7, MW8, MW9, MW10A, MW11A, MW12A, MW13A, MW14, MW15, MW16, MW17, MW18, MW19, MW20, MW21, MW22, MW23, MW24, MW25, MW26, MW27, MW28, MW29, MW30, MW31B, MW32 and MW33. Started Barotroll recording.

2. Wednesday March 12, 2025 (started pumping at Rosita PAA4 Test)
   Measured all overlying perimeter (OMW) wells water levels and BM-7A for PAA pump test with e-line. Started pumping BM-1B, BM-2A, BM-3, BM-4, BM-5, BM-6, BM-7A and BM-9 at 805 hrs at a flowrate of 55 gpm, 58 gpm, 9 gpm, 52 gpm 57 gpm, 60 gpm, 55 gpm, and 59 gpm, respectively, using submersible pumps. Checked transducers and e-lined wells during pumping.

3. Thursday March 13, 2025 (started recovery at Rosita PAA4 Test)
   Measured all overlying perimeter (OMW) wells water levels and BM-7A for PAA pump test with e-line. Stopped pumping wells BM-1B, BM-2A, BM-3, BM-4, BM-5, BM-6, BM-7A and BM-9 at 805 hrs with an average flowrate of 53.3 gpm, 57.3 gpm, 4.2 gpm, 49.7 gpm 51.2 gpm, 54.3 gpm, 50.7 gpm, and 57.4 gpm, respectively. Checked transducers and e-lined wells during recovery.

4. Friday March 14, 2025 (ended recovery at Rosita PAA4 Test and left site)
   Ended recovery at 700 hrs. Downloaded transducers and removed them from wells; measured water levels in all wells with e-line. Loaded equipment and left site.

ATTACHMENT 1

PAA HYDROLOGIC DATA

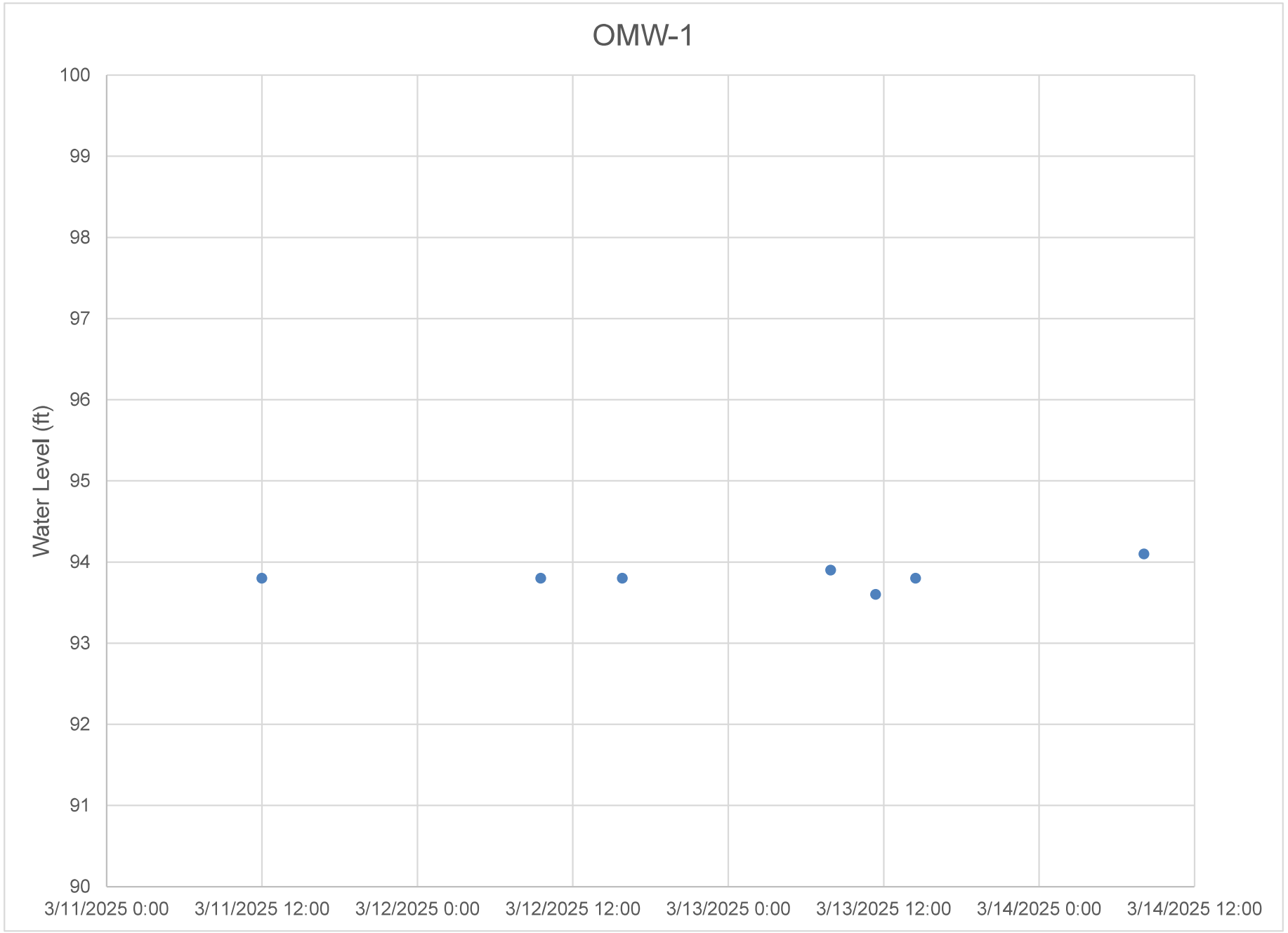
E-LINE DATA

WATER LEVELS AND DRAWDOWNS

PAA

TEST

Well Number	Date and Time	Depth to Water [ft]	Change in Level [ft]
OMW-1	3/11/2025 11:59	93.8	0
	3/12/2025 9:31	93.8	0
	3/12/2025 15:49	93.8	0
	3/13/2025 7:54	93.9	-0.1
	3/13/2025 11:23	93.6	0.2
	3/13/2025 14:28	93.8	0
	3/14/2025 8:06	94.1	-0.3
OMW-2	3/11/2025 12:19	124.8	0
	3/12/2025 9:22	124.6	0.2
	3/12/2025 15:54	124.5	0.3
	3/13/2025 7:53	124.8	0
	3/13/2025 11:21	124.7	0.1
	3/13/2025 14:25	124.8	0
	3/14/2025 8:15	124.6	0.2
OMW-3	3/11/2025 11:32	73	0
	3/12/2025 12:08	71.9	1.1
	3/12/2025 15:40	72.6	0.4
	3/13/2025 7:45	72.7	0.3
	3/13/2025 11:32	72.7	0.3
	3/13/2025 14:32	72.6	0.4
	3/14/2025 8:06	72.6	0.4
OMW-4	3/11/2025 11:44	94.1	0
	3/12/2025 12:18	94.1	0
	3/12/2025 15:45	94.0	0.1
	3/13/2025 7:43	94.0	0.1
	3/13/2025 11:31	94.0	0.1
	3/13/2025 14:31	94.0	0.1
	3/14/2025 7:58	94.0	0.1
OMW-5	3/11/2025 15:15	72.7	0
	3/12/2025 14:03	72.7	0
	3/12/2025 15:20	72.7	0
	3/13/2025 7:57	72.8	-0.1
	3/13/2025 11:47	72.7	0
	3/13/2025 14:49	72.7	0
	3/14/2025 10:00	72.8	-0.1
OMW-6	3/11/2025 15:15	121.7	0
	3/12/2025 14:15	121	0.7
	3/12/2025 15:27	121	0.7
	3/13/2025 7:58	122.7	-1
	3/13/2025 11:51	122.6	-0.9
	3/13/2025 14:51	123.1	-1.4
	3/14/2025 10:07	124.3	-2.6
OMW-7	3/11/2025 12:28	96.8	0
	3/12/2025 9:27	96.7	0.1
	3/12/2025 16:02	96.8	0
	3/13/2025 7:48	96.9	-0.1
	3/13/2025 11:35	96.9	-0.1
	3/13/2025 14:34	96.9	-0.1
	3/14/2025 8:24	96.7	0.1
OMW-8	3/11/2025 12:42	98.5	0
	3/12/2025 8:57	98.6	-0.1
	3/12/2025 16:21	98.7	-0.2
	3/13/2025 7:50	98.7	-0.2
	3/13/2025 11:42	98.7	-0.2
	3/13/2025 14:43	98.7	-0.2
	3/14/2025 8:42	98.6	-0.1


OMW-1
Water Level (ft)
100
99
98
97
96
95
94
93
92
91
90
3/11/2025 0:00
3/11/2025 12:00
3/12/2025 0:00
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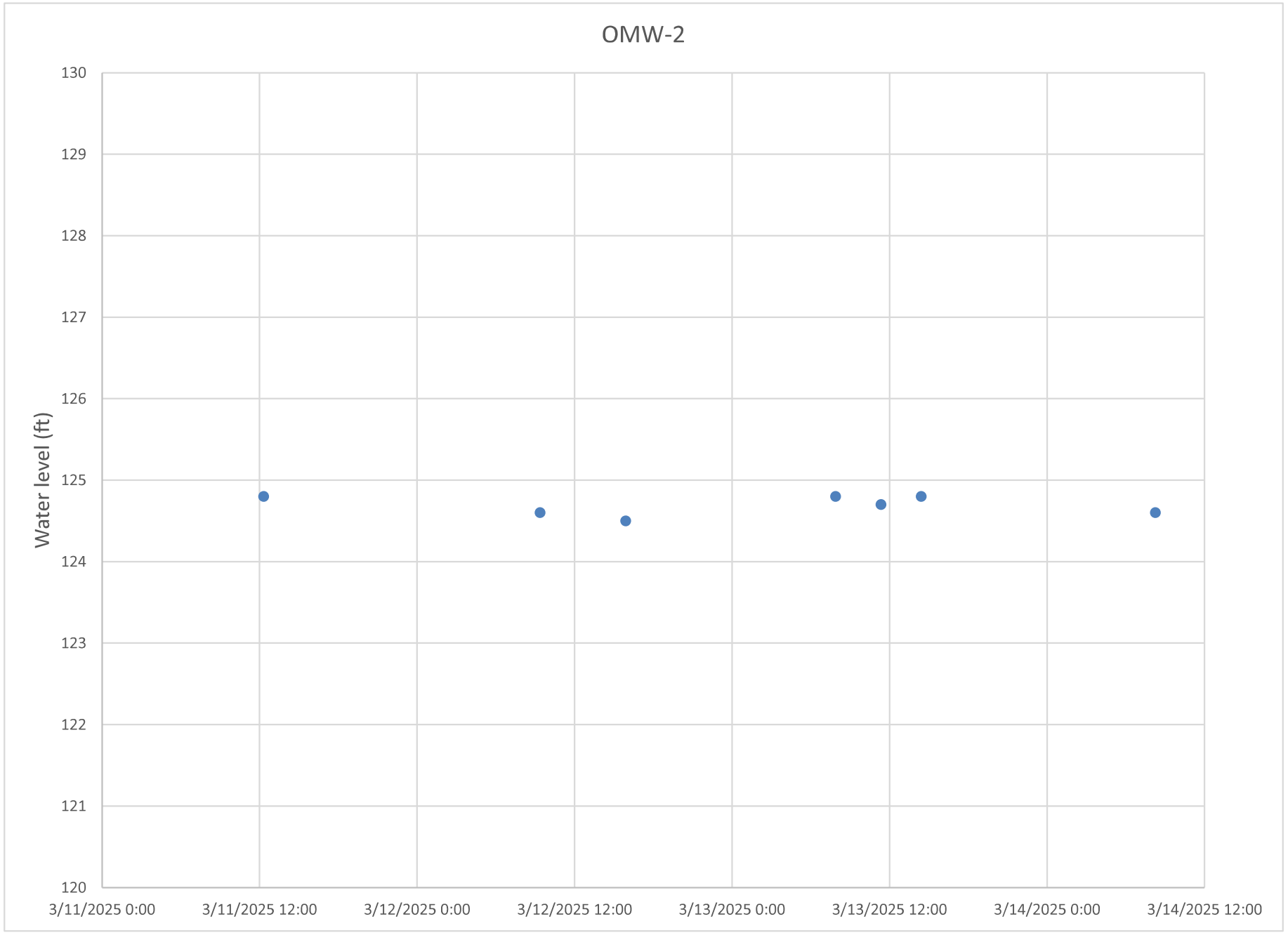
3/14/2025 12:00


OMW-2
Water level (ft)
130
129
128
127
126
125
124
123
122
121
120
3/11/2025 0:00
3/11/2025 12:00
3/12/2025 0:00
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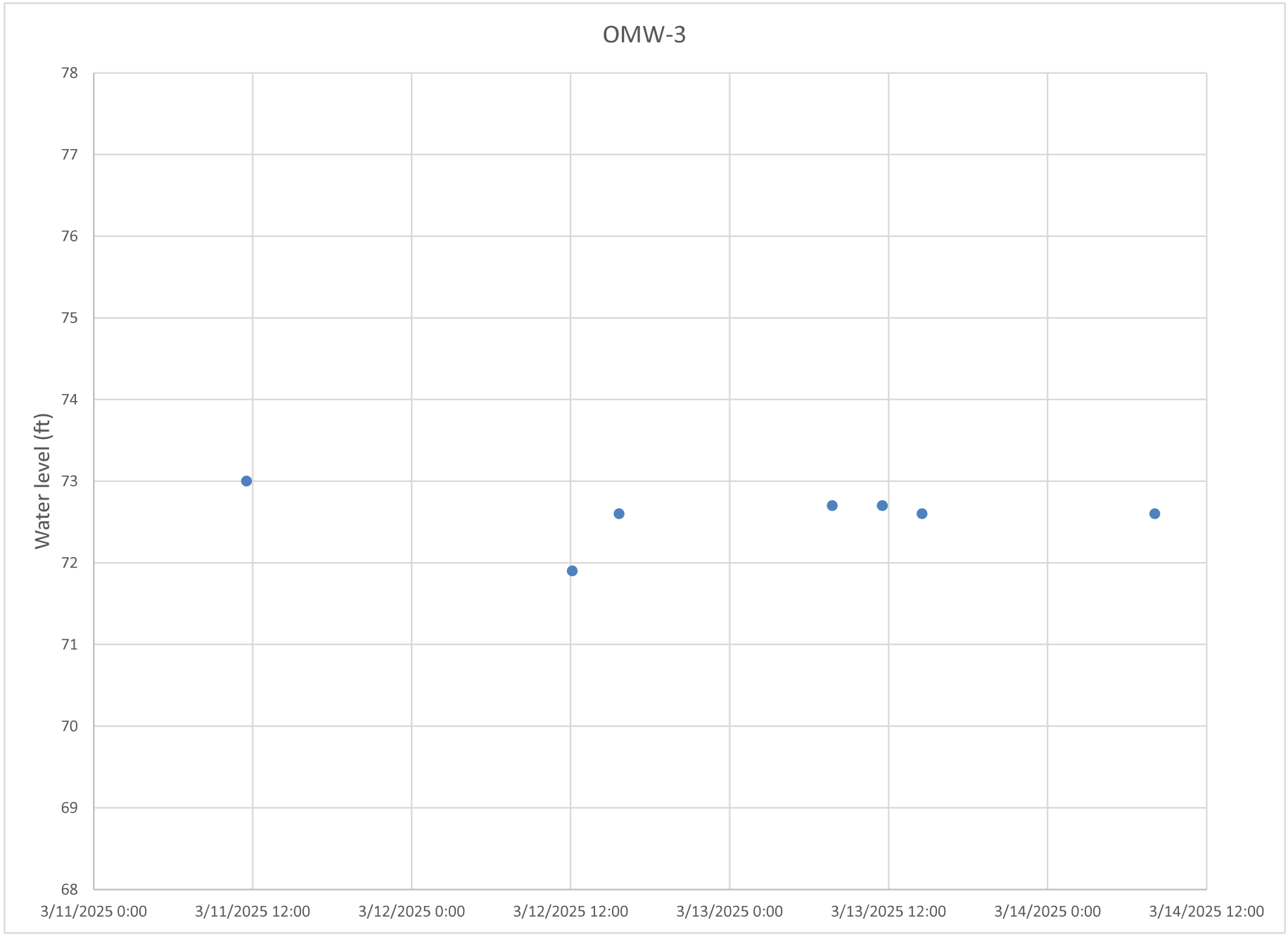
3/13/2025 12:00
3/14/2025 0:00
3/14/2025 12:00


OMW-3
Water level (ft)
78
77
76
75
74
73
72
71
70
69
68
3/11/2025 0:00
3/11/2025 12:00
3/12/2025 0:00
3/12/2025 12:00
3/13/2025 0:00
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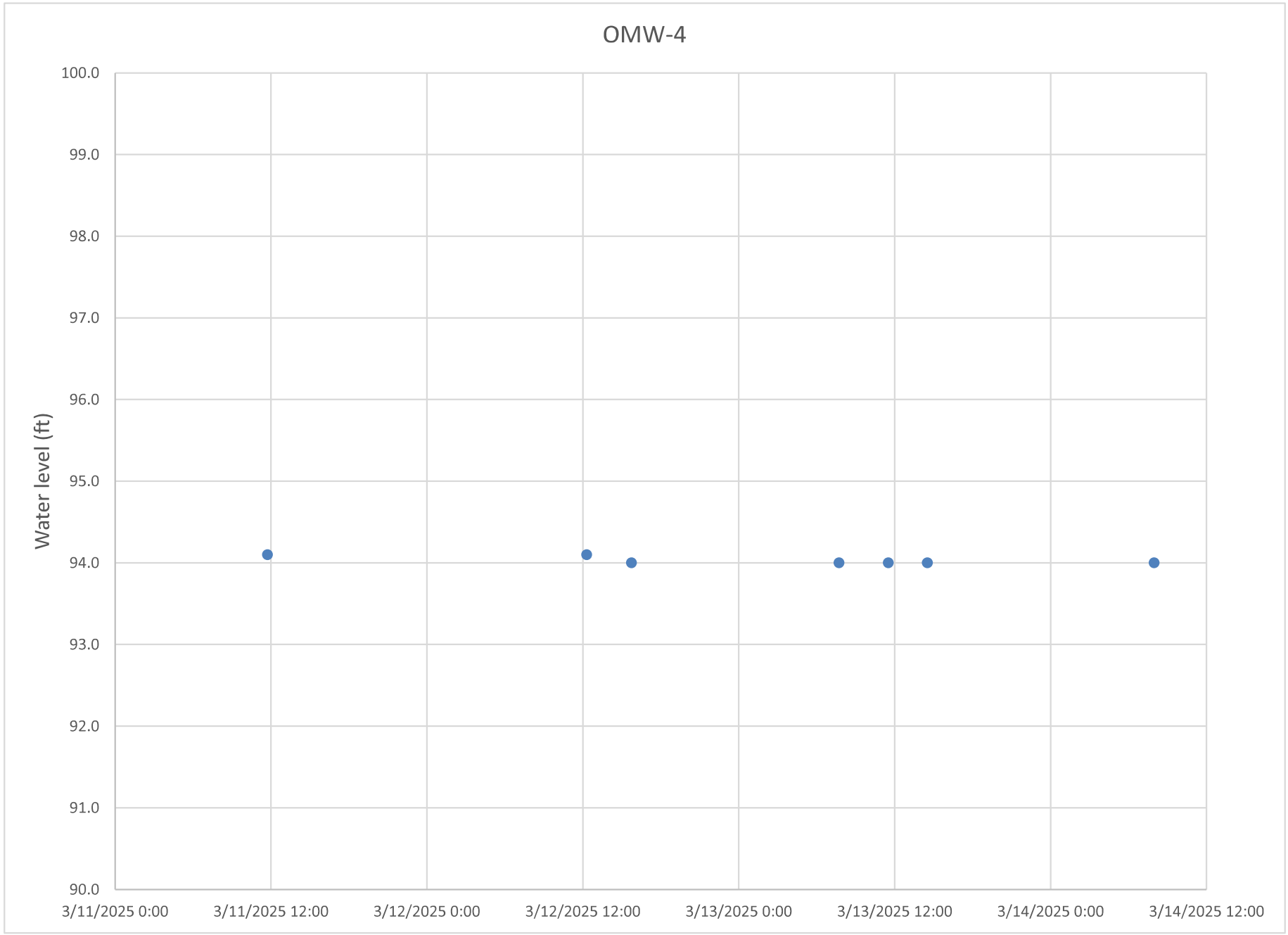
3/14/2025 0:00
3/14/2025 12:00


OMW-4
Water level (ft)
100.0
99.0
98.0
97.0
96.0
95.0
94.0
93.0
92.0
91.0
90.0
3/11/2025 0:00
3/11/2025 12:00
3/12/2025 0:00
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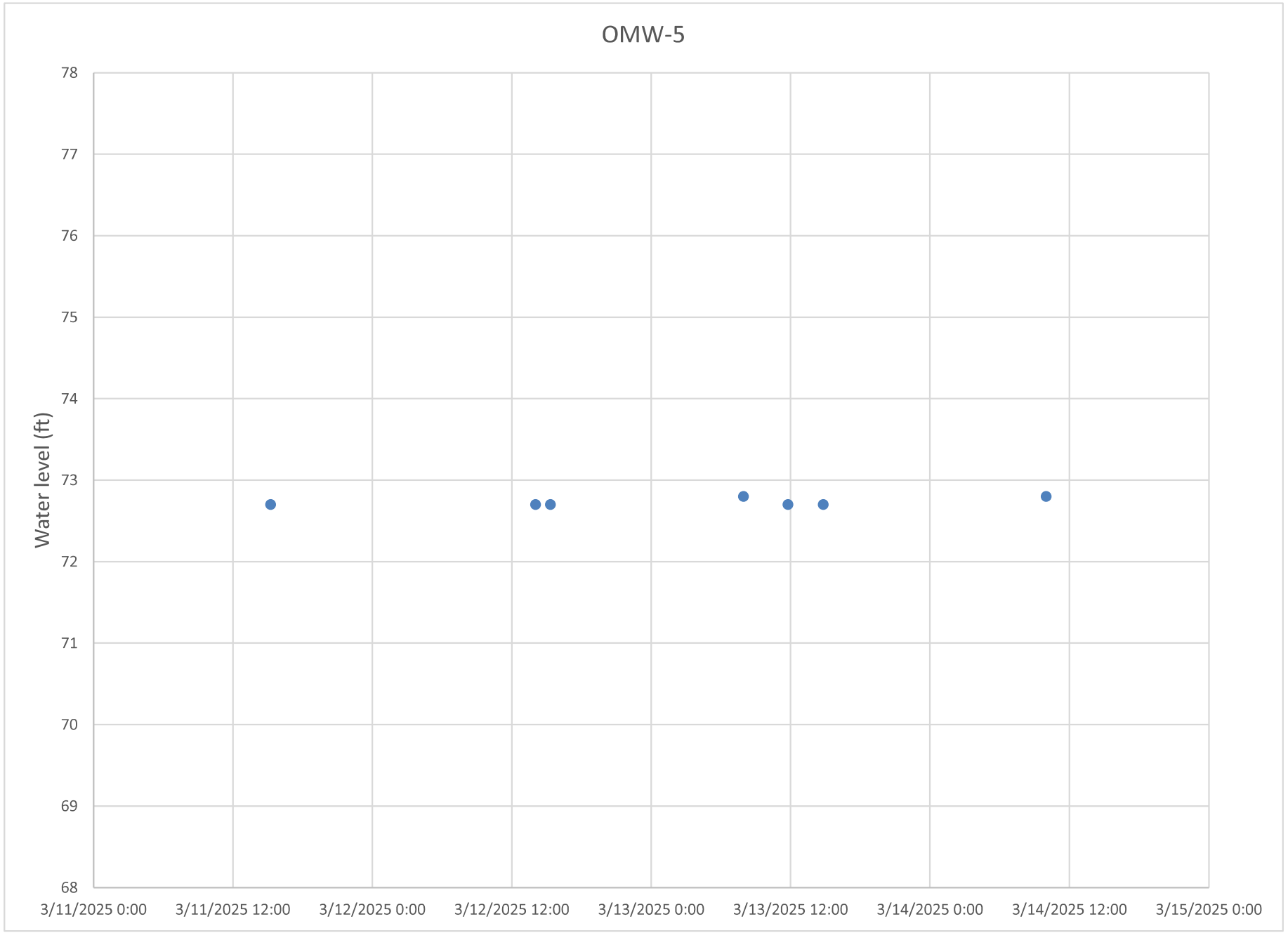
3/14/2025 0:00
3/14/2025 12:00


OMW-5
Water level (ft)
78
77
76
75
74
73
72
71
70
69
68
3/11/2025 0:00
3/11/2025 12:00
3/12/2025 0:00
3/12/2025 12:00
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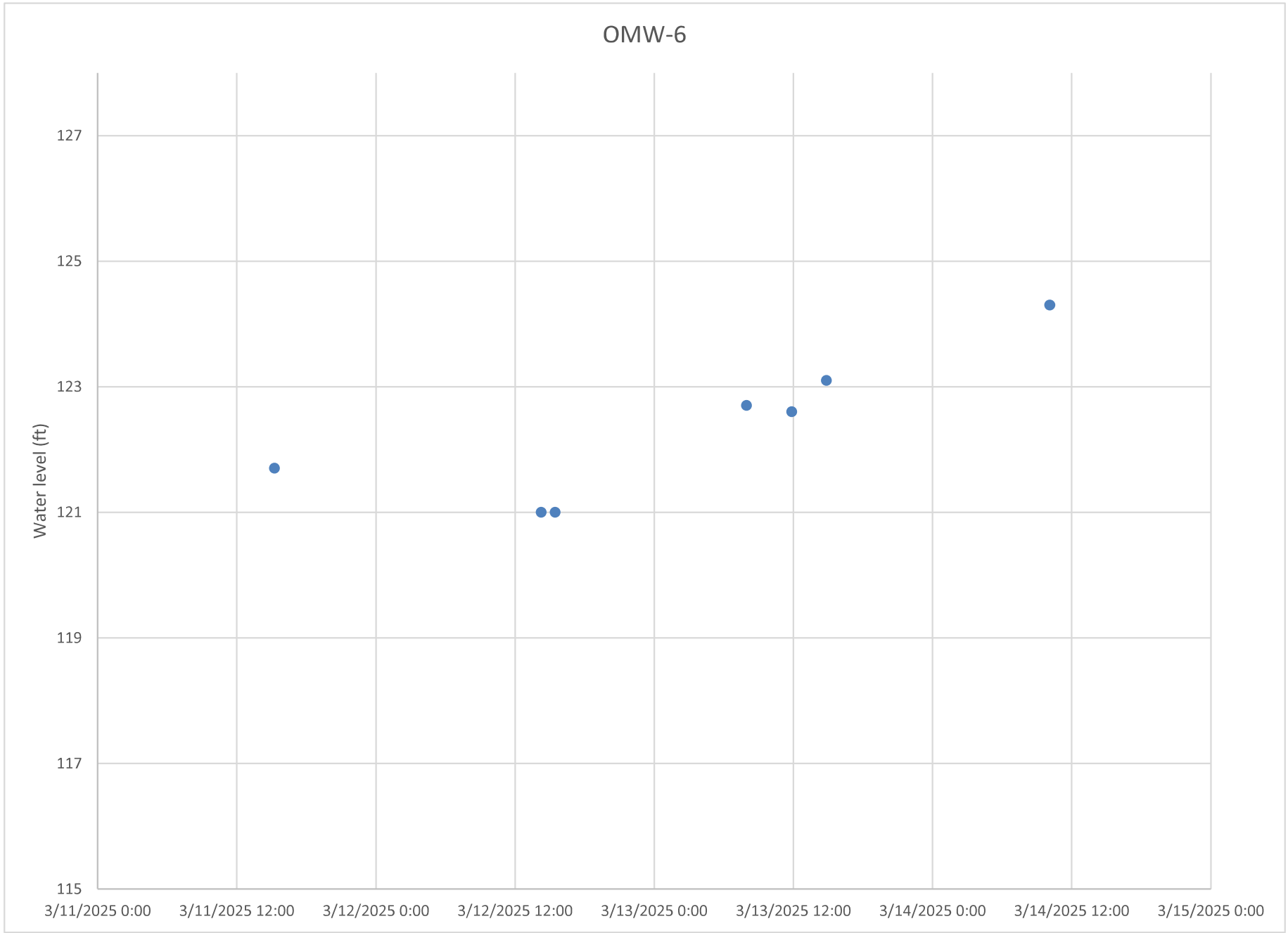
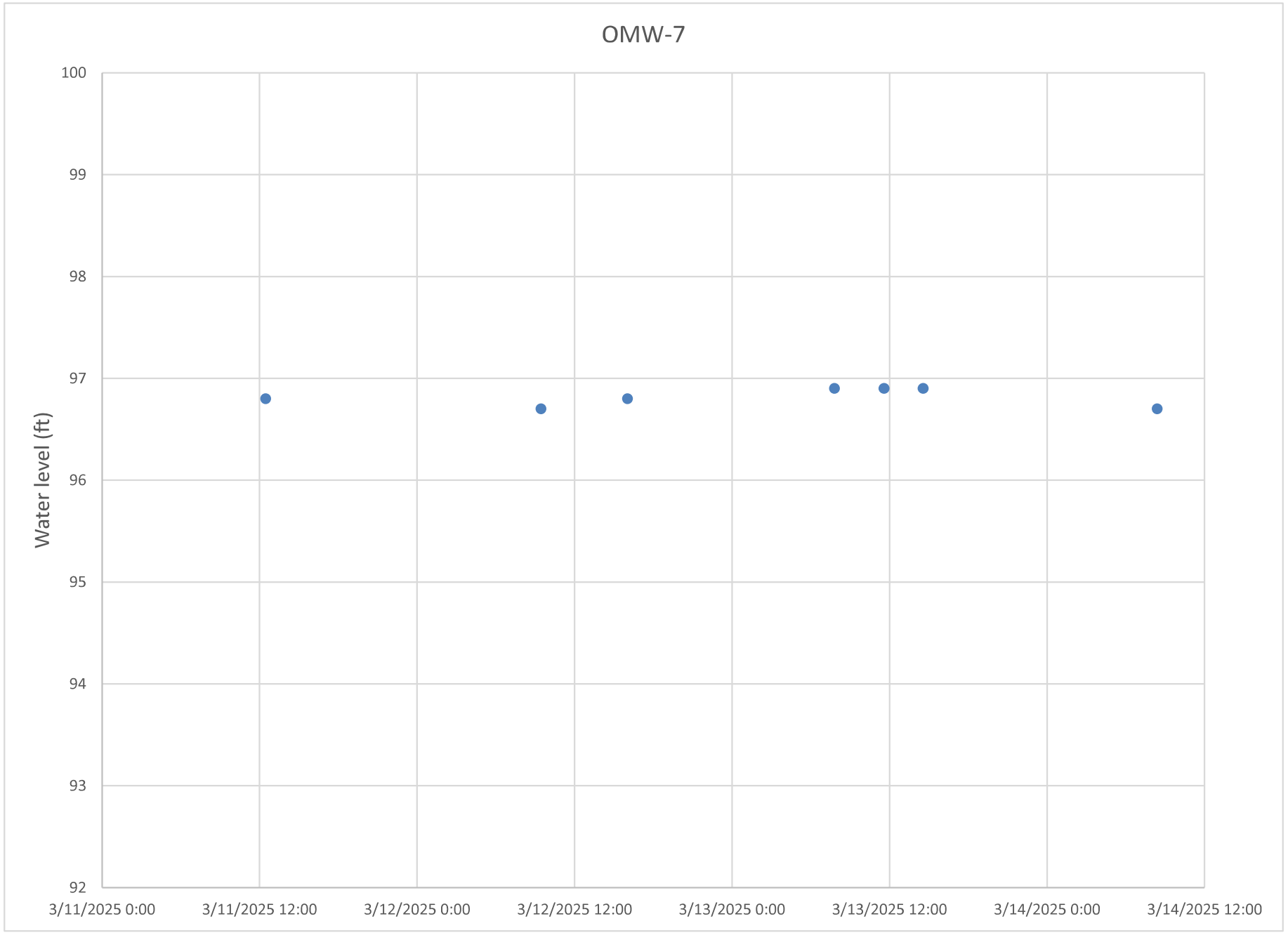
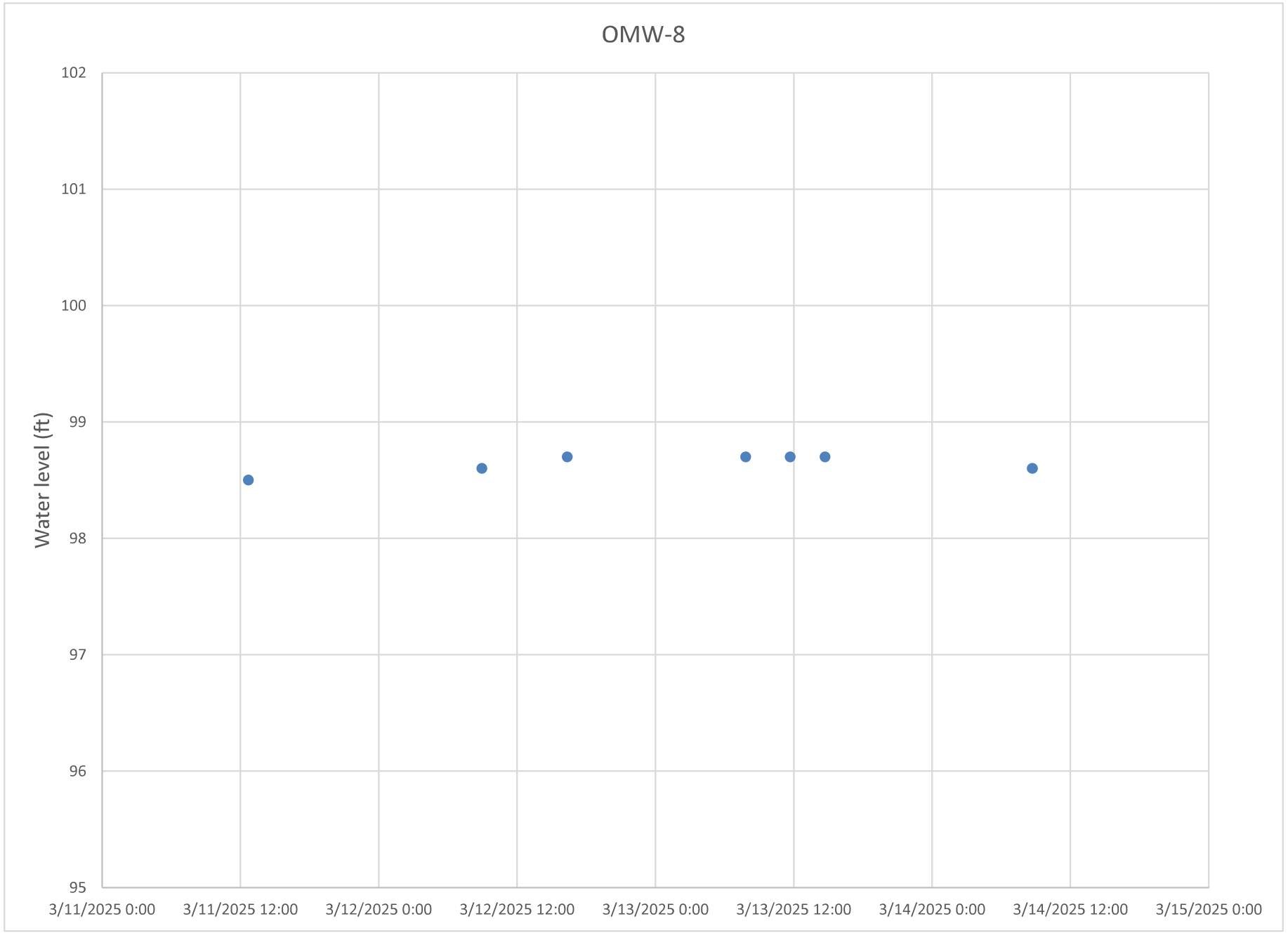
3/15/2025 0:00

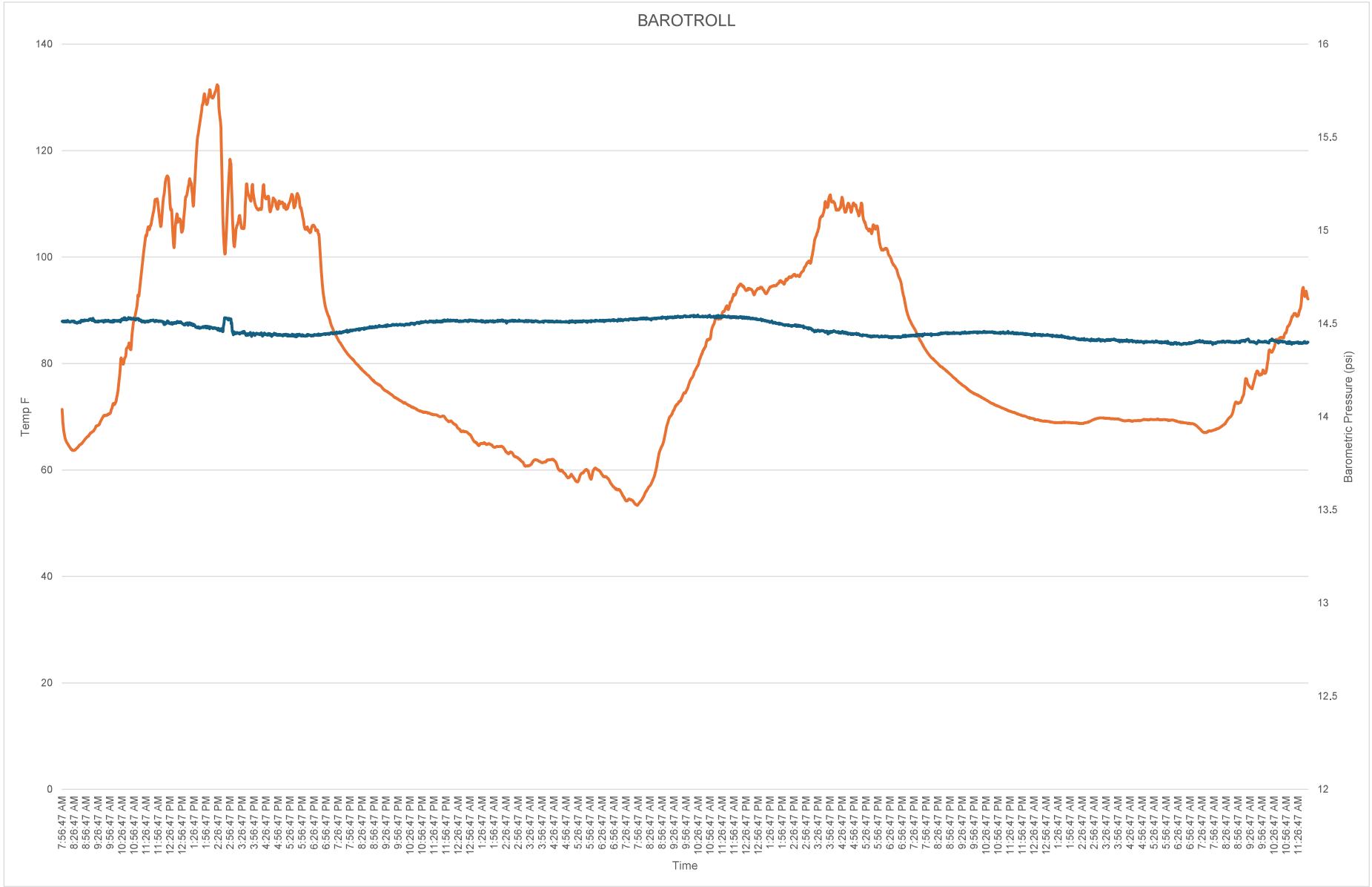

OMW-6
Water level (ft)
127
125
123
121
119
117
115
3/11/2025 0:00
3/11/2025 12:00
3/12/2025 0:00
3/12/2025 12:00
3/13/2025 0:00
3/13/2025 12:00
3/14/2025 0:00
3/14/2025 12:00
3/15/2025 0:00


OMW-7
Water level (ft)
100
99
98
97
96
95
94
93
92
3/11/2025 0:00
3/11/2025 12:00
3/12/2025 0:00
3/12/2025 12:00
3/13/2025 0:00
3/13/2025 12:00
3/14/2025 0:00
3/14/2025 12:00


OMW-8
Water level (ft)
102
101
100
99
98
97
96
95
3/11/2025 0:00
3/11/2025 12:00
3/12/2025 0:00
3/12/2025 12:00
3/13/2025 0:00
3/13/2025 12:00
3/14/2025 0:00
3/14/2025 12:00
3/15/2025 0:00

PAA PUMP TESTS

HYDROGRAPHS


BAROTROLL
Temp F
Barometric Pressure (psi)
Time
140
120
100
80
60
40
20
0
16
15.5
15
14.5
14
13.5
13
12.5
12
7:56:47 AM
8:26:47 AM
8:56:47 AM
9:26:47 AM
9:56:47 AM
10:26:47 AM
10:56:47 AM
11:26:47 AM
11:56:47 AM
12:26:47 PM
12:56:47 PM
1:26:47 PM
1:56:47 PM
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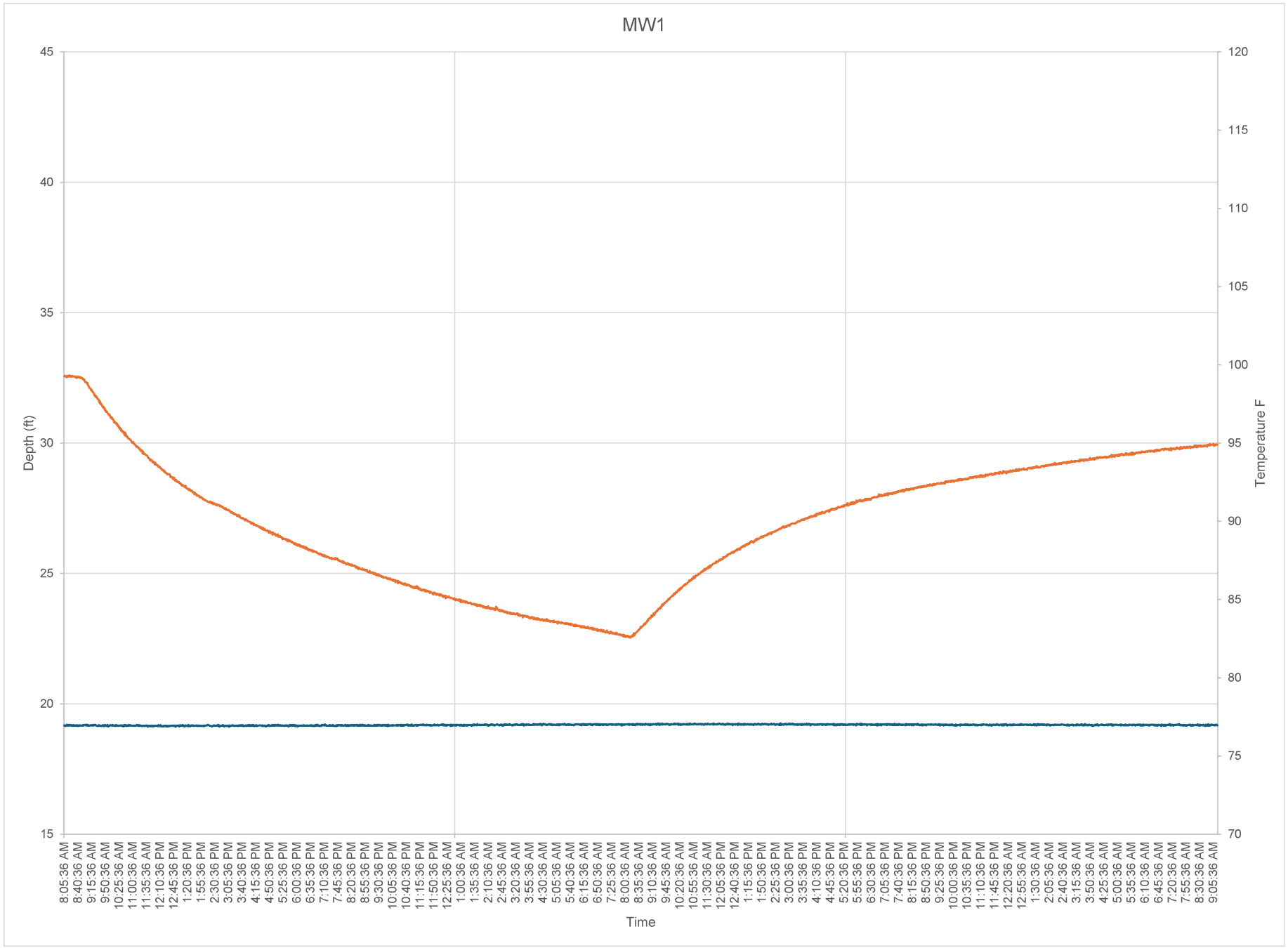
10:56:47 AM
11:26:47 AM

PAA

TEST 1


MW1
Depth (ft)
Temperature F
Time
45
40
35
30
25
20
15
120
115
110
105
100
95
90
85
80
75
70
8:05:36 AM
8:40:36 AM
9:15:36 AM
9:50:36 AM
10:25:36 AM
11:00:36 AM
11:35:36 AM
12:10:36 PM
12:45:36 PM
1:20:36 PM
1:55:36 PM
2:30:36 PM
3:05:36 PM
3:40:36 PM
4:15:36 PM
4:50:36 PM
5:25:36 PM
6:00:36 PM
6:35:36 PM
7:10:36 PM
7:45:36 PM
8:20:36 PM
8:55:36 PM
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10:40:36 PM
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5:40:36 AM
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8:00:36 AM
8:35:36 AM
9:10:36 AM
9:45:36 AM
10:20:36 AM
10:55:36 AM
11:30:36 AM
12:05:36 PM
12:40:36 PM
1:15:36 PM
1:50:36 PM
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7:05:36 PM
7:40:36 PM
8:15:36 PM
8:50:36 PM
9:25:36 PM
10:00:36 PM
10:35:36 PM
11:10:36 PM
11:45:36 PM
12:20:36 AM
12:55:36 AM
1:30:36 AM
2:05:36 AM
2:40:36 AM
3:15:36 AM
3:50:36 AM
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5:00:36 AM
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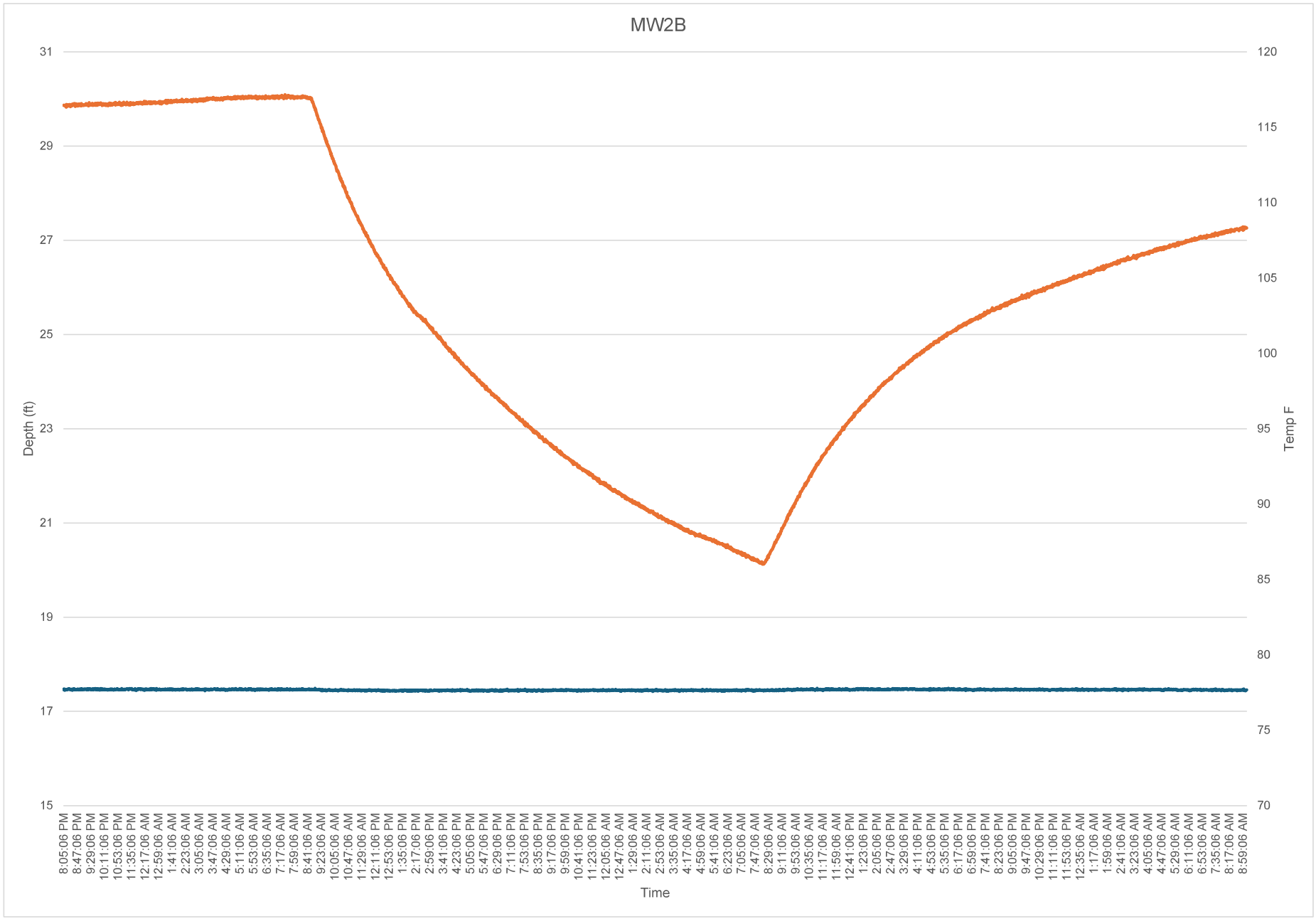
8:30:36 AM
9:05:36 AM


MW2B
Depth (ft)
Temp F
Time
31
29
27
25
23
21
19
17
15
120
115
110
105
100
95
90
85
80
75
70
8:05:06 PM
8:47:06 PM
9:29:06 PM
10:11:06 PM
10:53:06 PM
11:35:06 PM
12:17:06 AM
12:59:06 AM
1:41:06 AM
2:23:06 AM
3:05:06 AM
3:47:06 AM
4:29:06 AM
5:11:06 AM
5:53:06 AM
6:35:06 AM
7:17:06 AM
7:59:06 AM
8:41:06 AM
9:23:06 AM
10:05:06 AM
10:47:06 AM
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12:53:06 PM
1:35:06 PM
2:17:06 PM
2:59:06 PM
3:41:06 PM
4:23:06 PM
5:05:06 PM
5:47:06 PM
6:29:06 PM
7:11:06 PM
7:53:06 PM
8:35:06 PM
9:17:06 PM
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10:41:06 PM
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1:29:06 AM
2:11:06 AM
2:53:06 AM
3:35:06 AM
4:17:06 AM
4:59:06 AM
5:41:06 AM
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11:17:06 AM
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2:47:06 PM
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4:11:06 PM
4:53:06 PM
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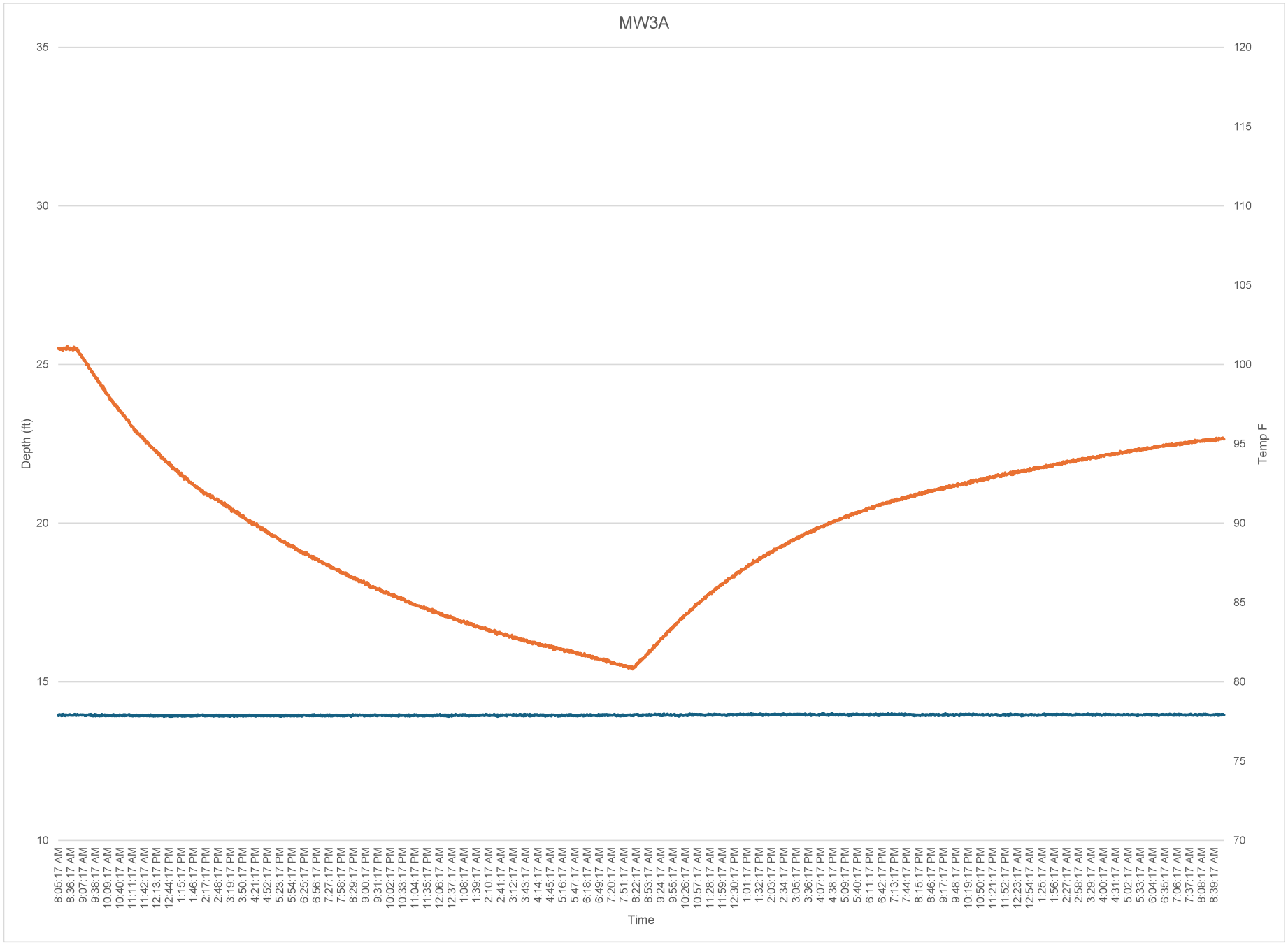
8:17:06 AM
8:59:06 AM


MW3A
Depth (ft)
Temp F
Time
35
30
25
20
15
10
120
115
110
105
100
95
90
85
80
75
70
8:05:17 AM
8:36:17 AM
9:07:17 AM
9:38:17 AM
10:09:17 AM
10:40:17 AM
11:11:17 AM
11:42:17 AM
12:13:17 PM
12:44:17 PM
1:15:17 PM
1:46:17 PM
2:17:17 PM
2:48:17 PM
3:19:17 PM
3:50:17 PM
4:21:17 PM
4:52:17 PM
5:23:17 PM
5:54:17 PM
6:25:17 PM
6:56:17 PM
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9:31:17 PM
10:02:17 PM
10:33:17 PM
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2:10:17 AM
2:41:17 AM
3:12:17 AM
3:43:17 AM
4:14:17 AM
4:45:17 AM
5:16:17 AM
5:47:17 AM
6:18:17 AM
6:49:17 AM
7:20:17 AM
7:51:17 AM
8:22:17 AM
8:53:17 AM
9:24:17 AM
9:55:17 AM
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4:31:17 AM
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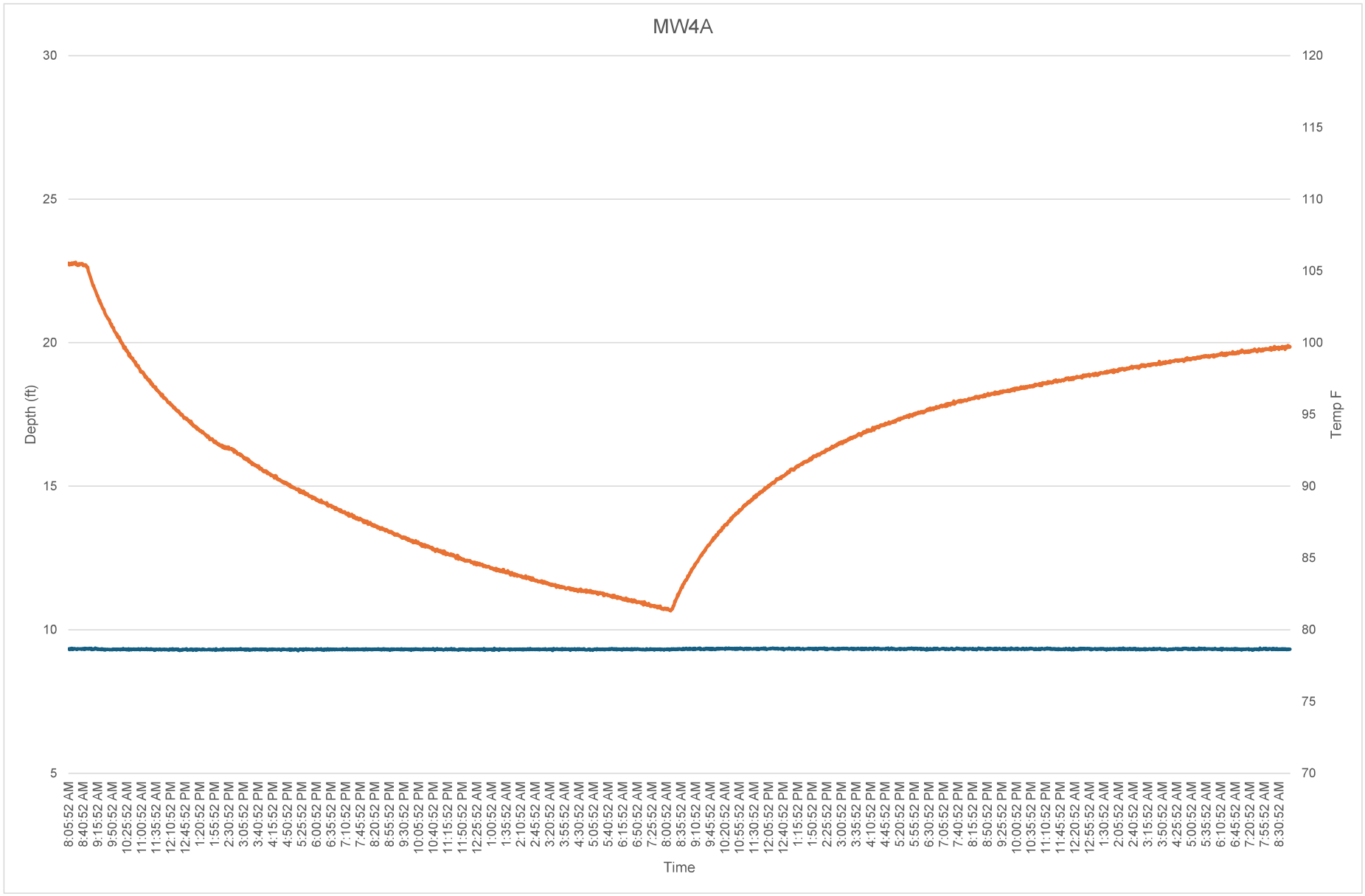
8:08:17 AM
8:39:17 AM


MW4A
Depth (ft)
Temp F
Time
30
25
20
15
10
5
120
115
110
105
100
95
90
85
80
75
70
8:05:52 AM
8:40:52 AM
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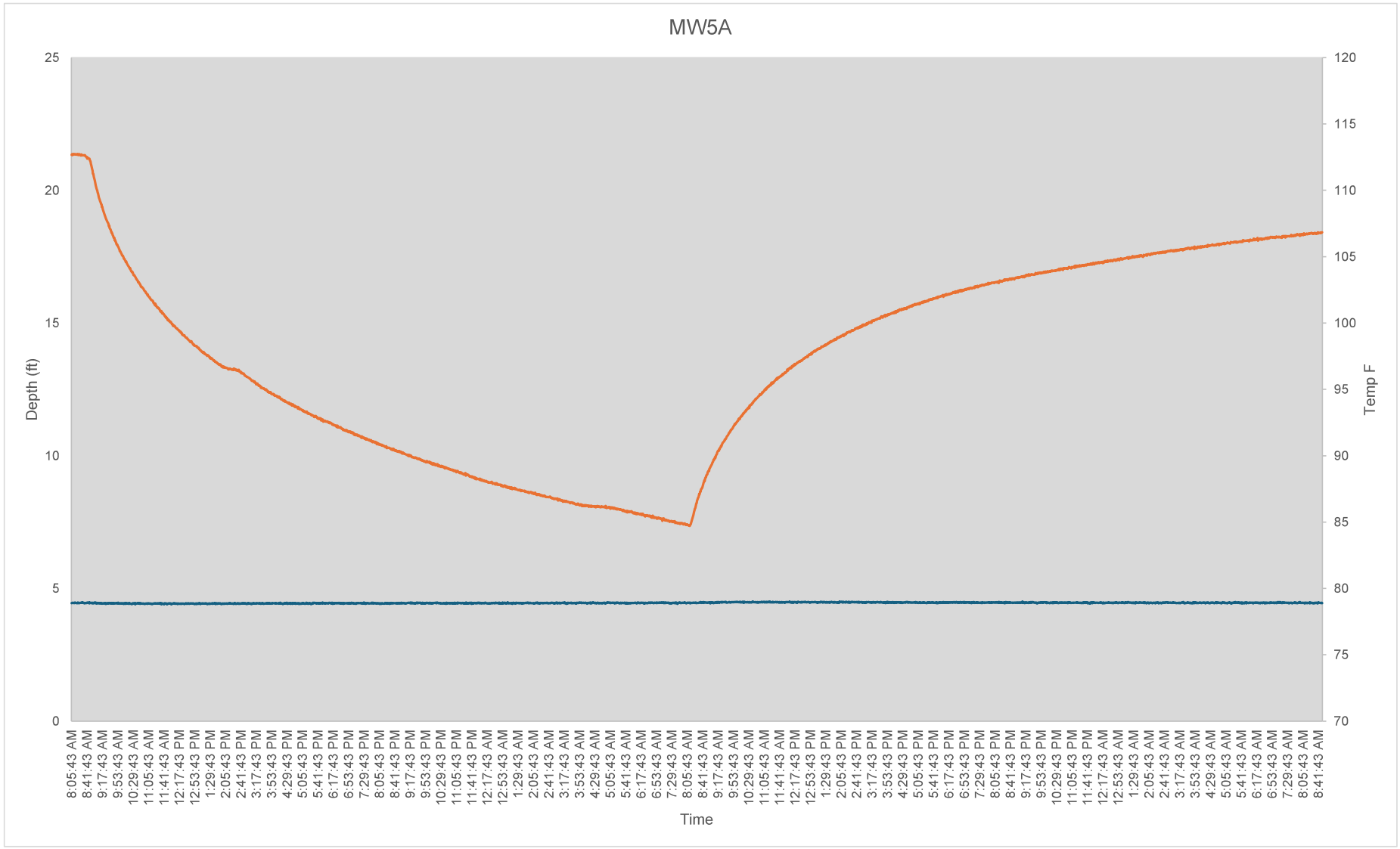
MW5A
Depth (ft)
Temp F
Time
25
20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
8:05:43 AM
8:41:43 AM
9:17:43 AM
9:53:43 AM
10:29:43 AM
11:05:43 AM
11:41:43 AM
12:17:43 PM
12:53:43 PM
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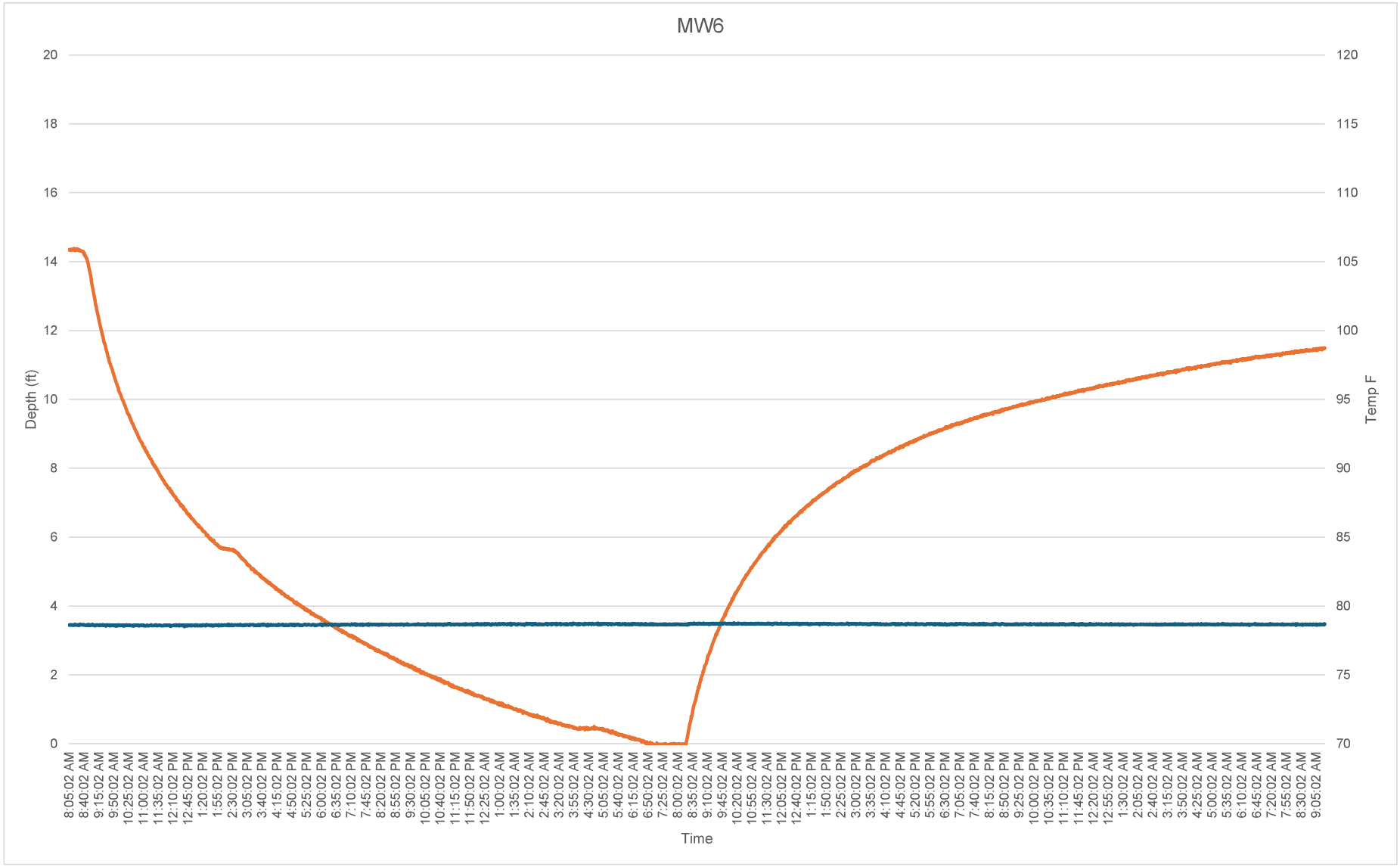
8:05:43 AM
8:41:43 AM


MW6
Depth (ft)
Temp F
Time
20
18
16
14
12
10
8
6
4
2
0
120
115
110
105
100
95
90
85
80
75
70
8:05:02 AM
8:40:02 AM
9:15:02 AM
9:50:02 AM
10:25:02 AM
11:00:02 AM
11:35:02 AM
12:10:02 PM
12:45:02 PM
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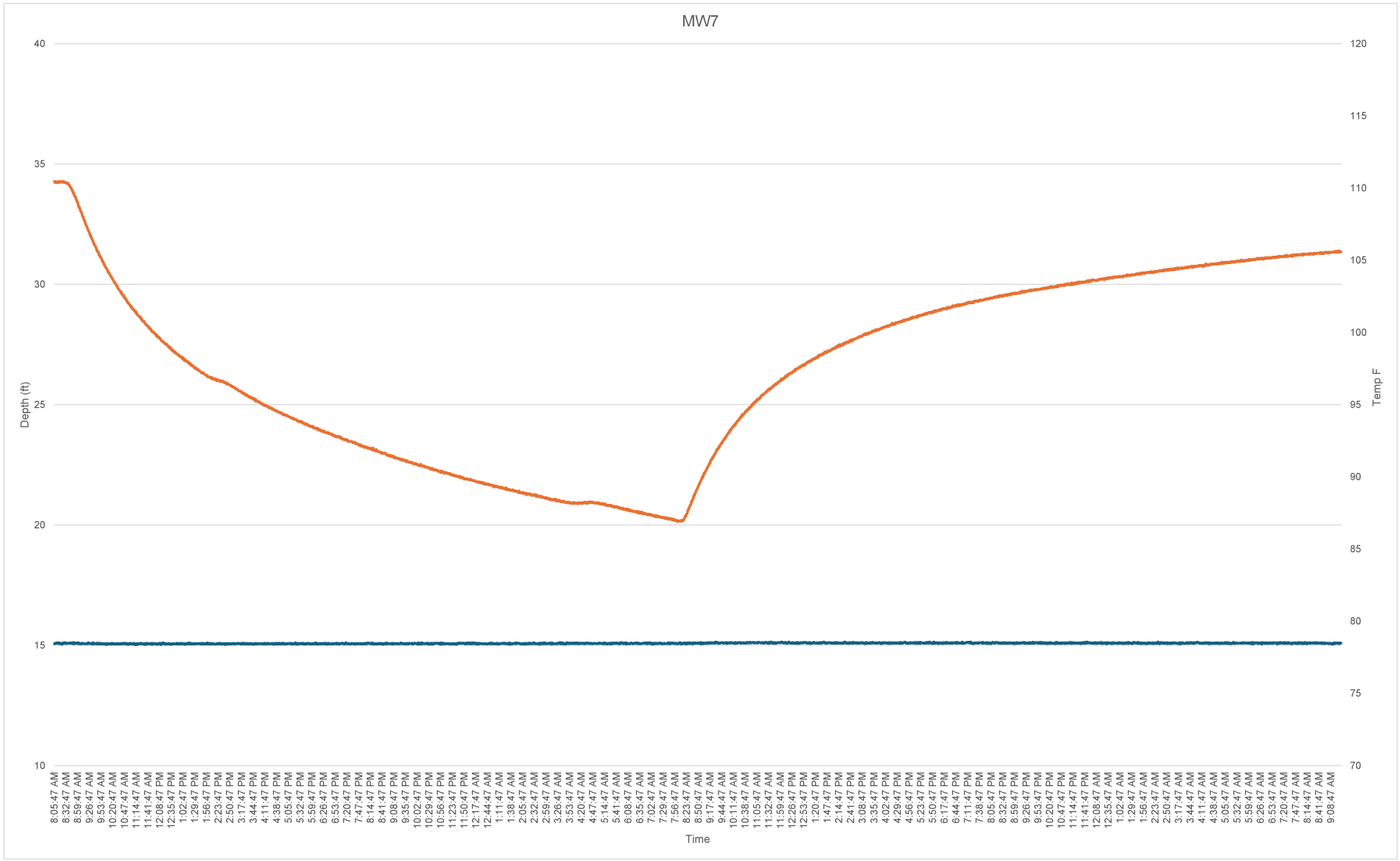
9:05:02 AM


MW7
Depth (ft)
Temp F
Time
40
35
30
25
20
15
10
120
115
110
105
100
95
90
85
80
75
70
8:05:47 AM
8:32:47 AM
8:59:47 AM
9:26:47 AM
9:53:47 AM
10:20:47 AM
10:47:47 AM
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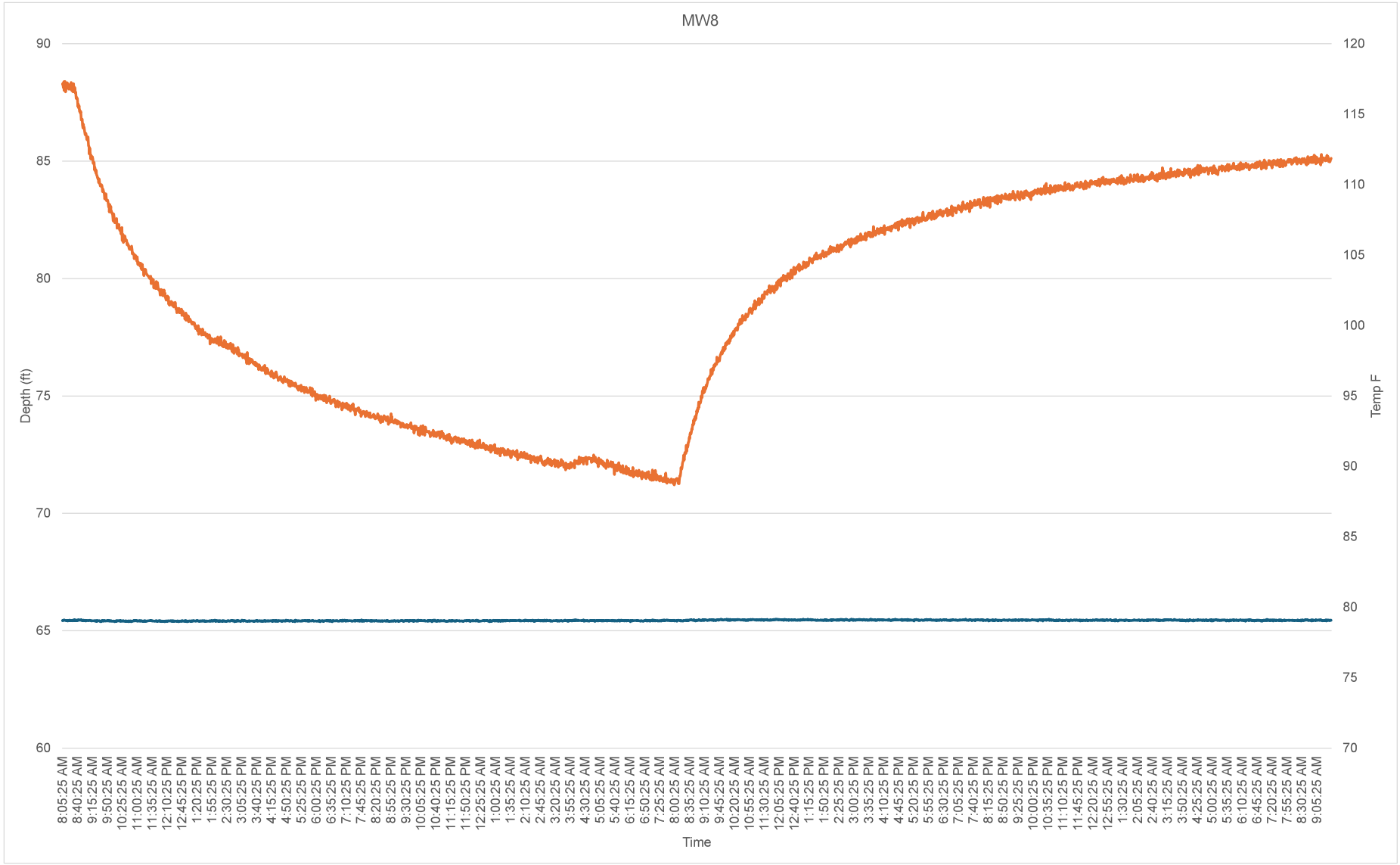
8:14:47 AM
8:41:47 AM
9:08:47 AM


MW8
Depth (ft)
Temp F
Time
90
85
80
75
70
65
60
120
115
110
105
100
95
90
85
80
75
70
8:05:25 AM
8:40:25 AM
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11:00:25 AM
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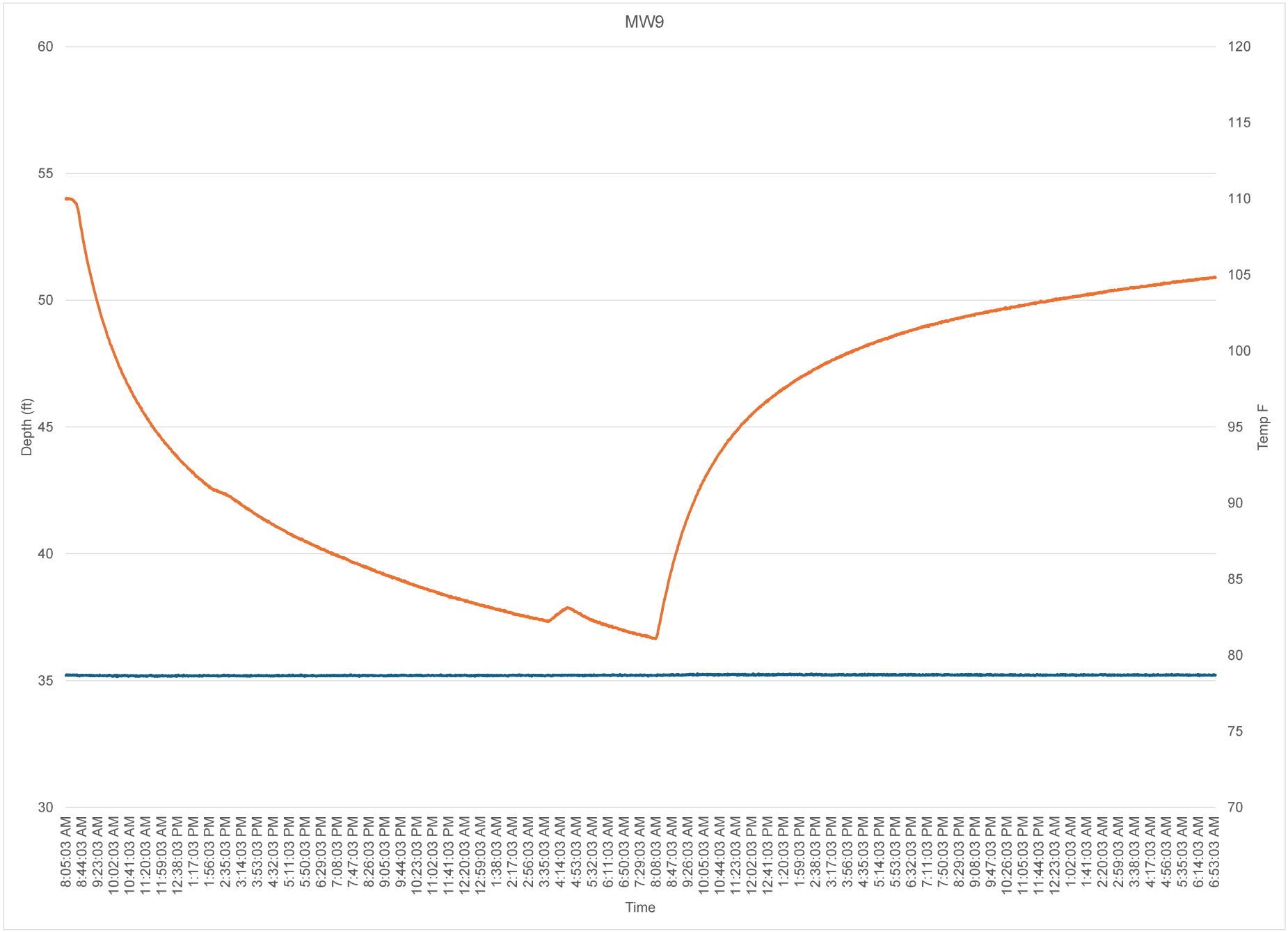
MW9
60
55
50
45
40
35
30
Depth (ft)
120
115
110
105
100
95
90
85
80
75
70
Temp F
8:05:03 AM
8:44:03 AM
9:23:03 AM
10:02:03 AM
10:41:03 AM
11:20:03 AM
11:59:03 AM
12:38:03 PM
1:17:03 PM
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9:47:03 PM
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12:23:03 AM
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1:41:03 AM
2:20:03 AM
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4:17:03 AM
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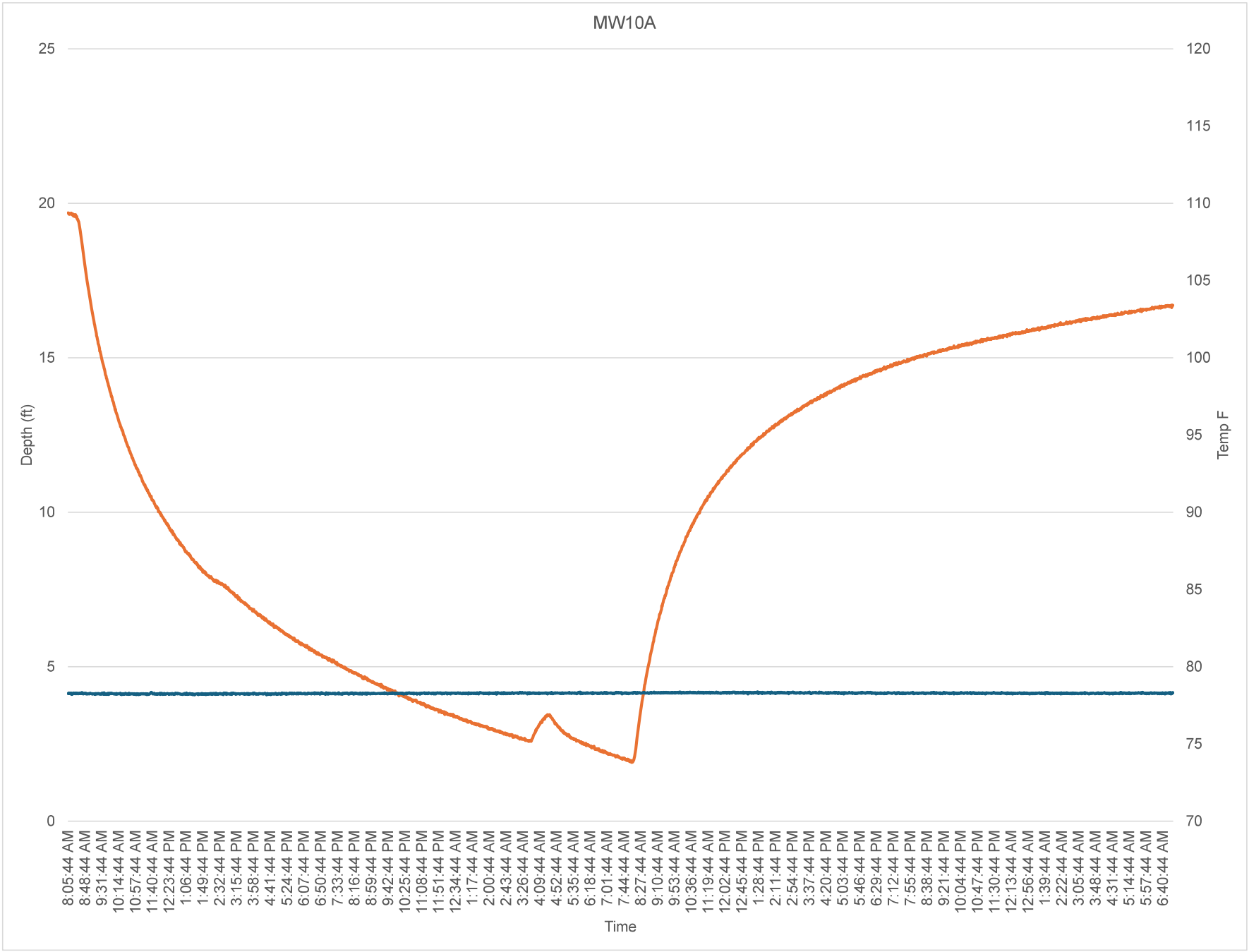
Time


MW10A
25
20
15
10
5
0
Depth (ft)
120
115
110
105
100
95
90
85
80
75
70
Temp F
8:05:44 AM
8:48:44 AM
9:31:44 AM
10:14:44 AM
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11:40:44 AM
12:23:44 PM
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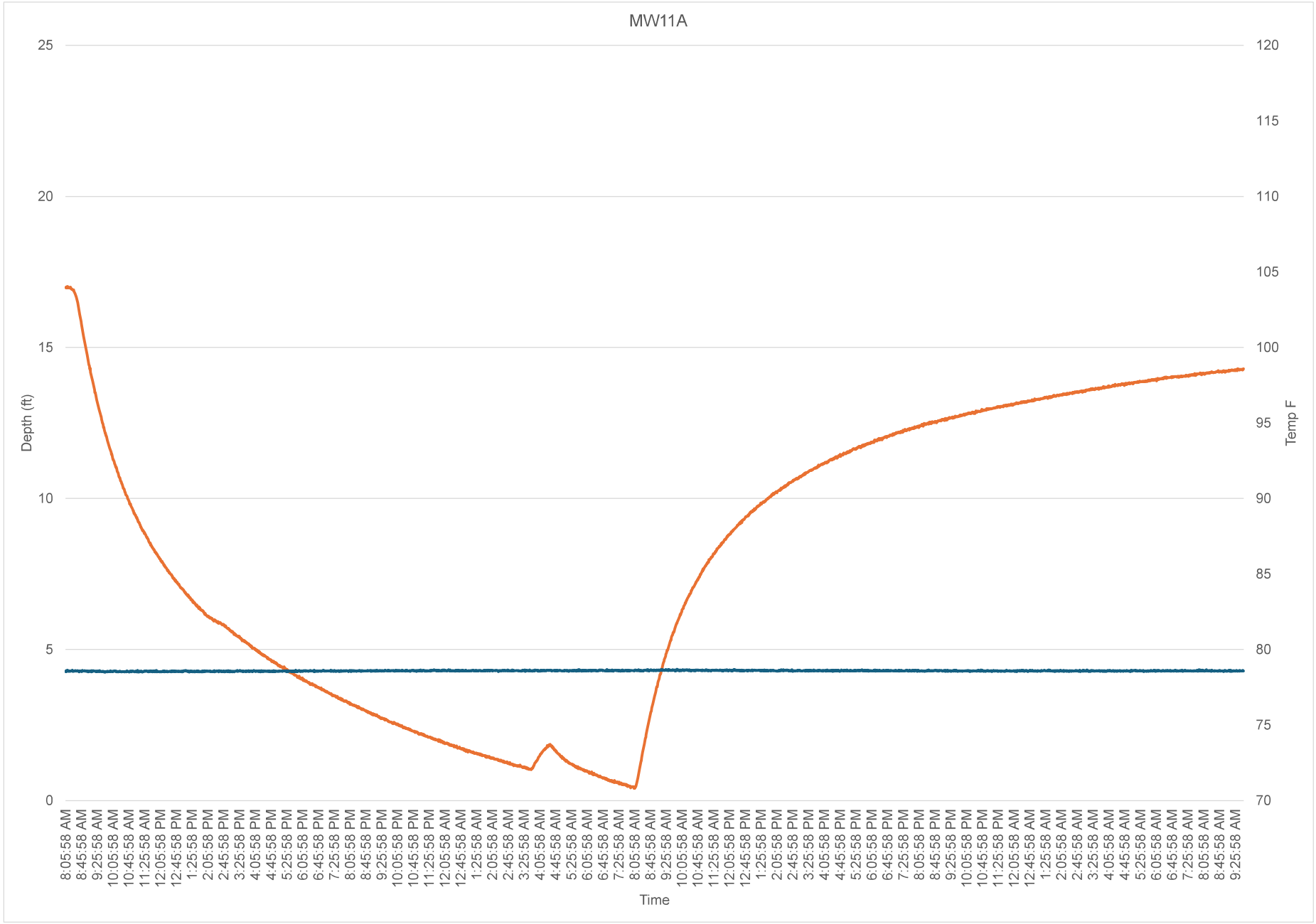
Time


MW11A
Depth (ft)
Temp F
Time
25
20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
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8:45:58 AM
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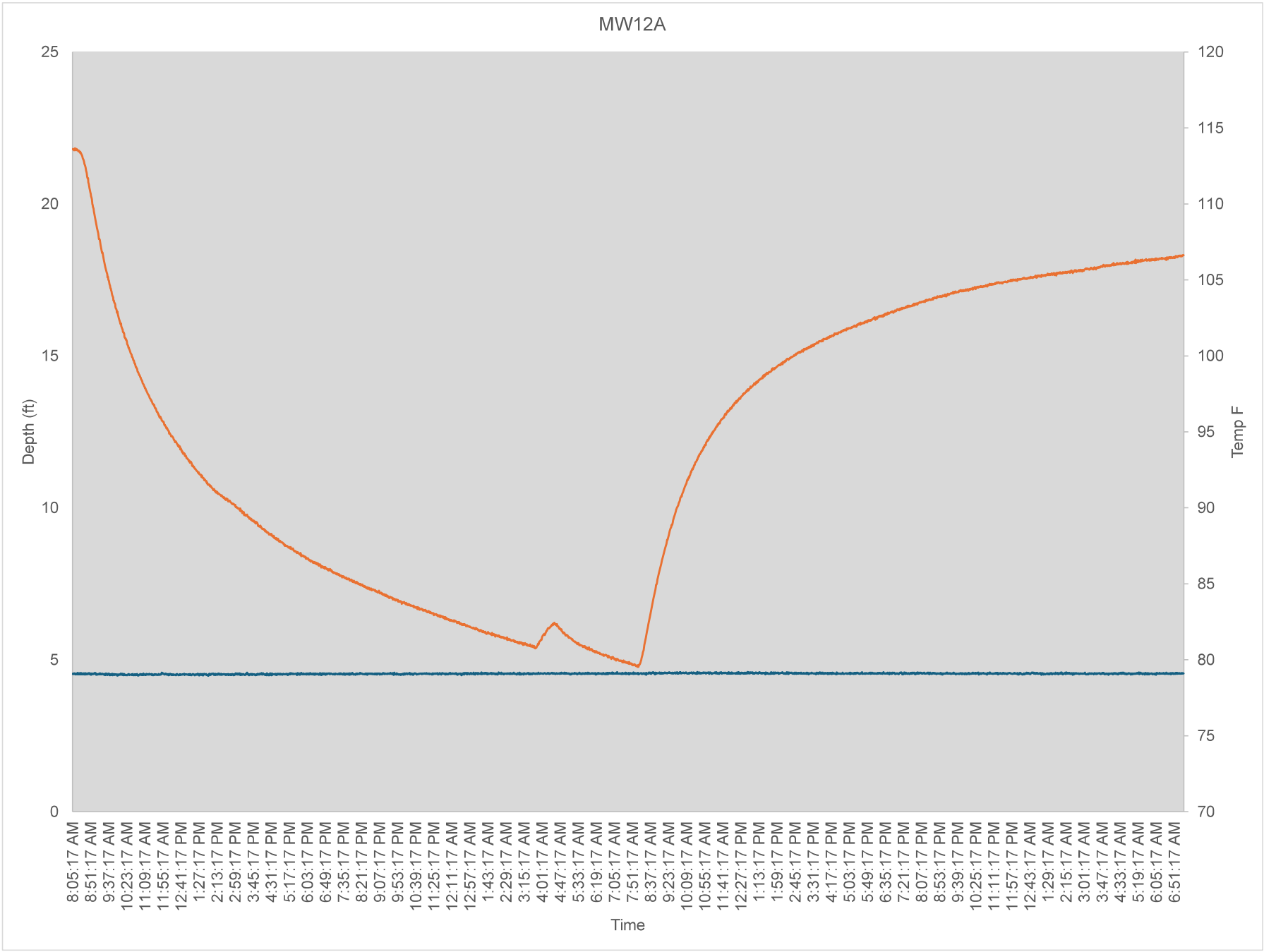
MW12A
Depth (ft)
Temp F
Time
25
20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
8:05:17 AM
8:51:17 AM
9:37:17 AM
10:23:17 AM
11:09:17 AM
11:55:17 AM
12:41:17 PM
1:27:17 PM
2:13:17 PM
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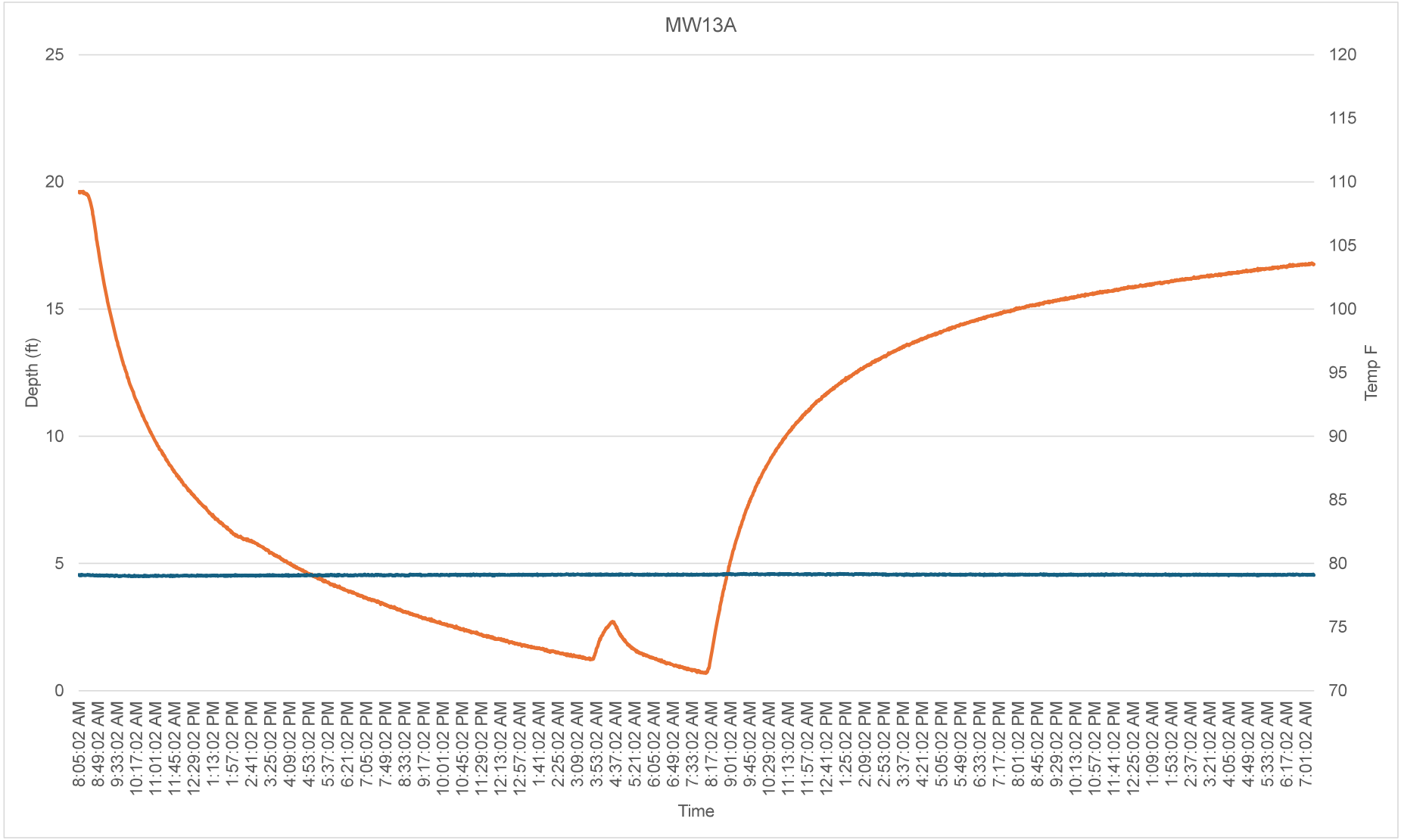
MW13A
Depth (ft)
Temp F
Time
25
20
15
10
5
0
120
115
110
105
100
95
90
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75
70
8:05:02 AM
8:49:02 AM
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7:17:02 PM
8:01:02 PM
8:45:02 PM
9:29:02 PM
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1:09:02 AM
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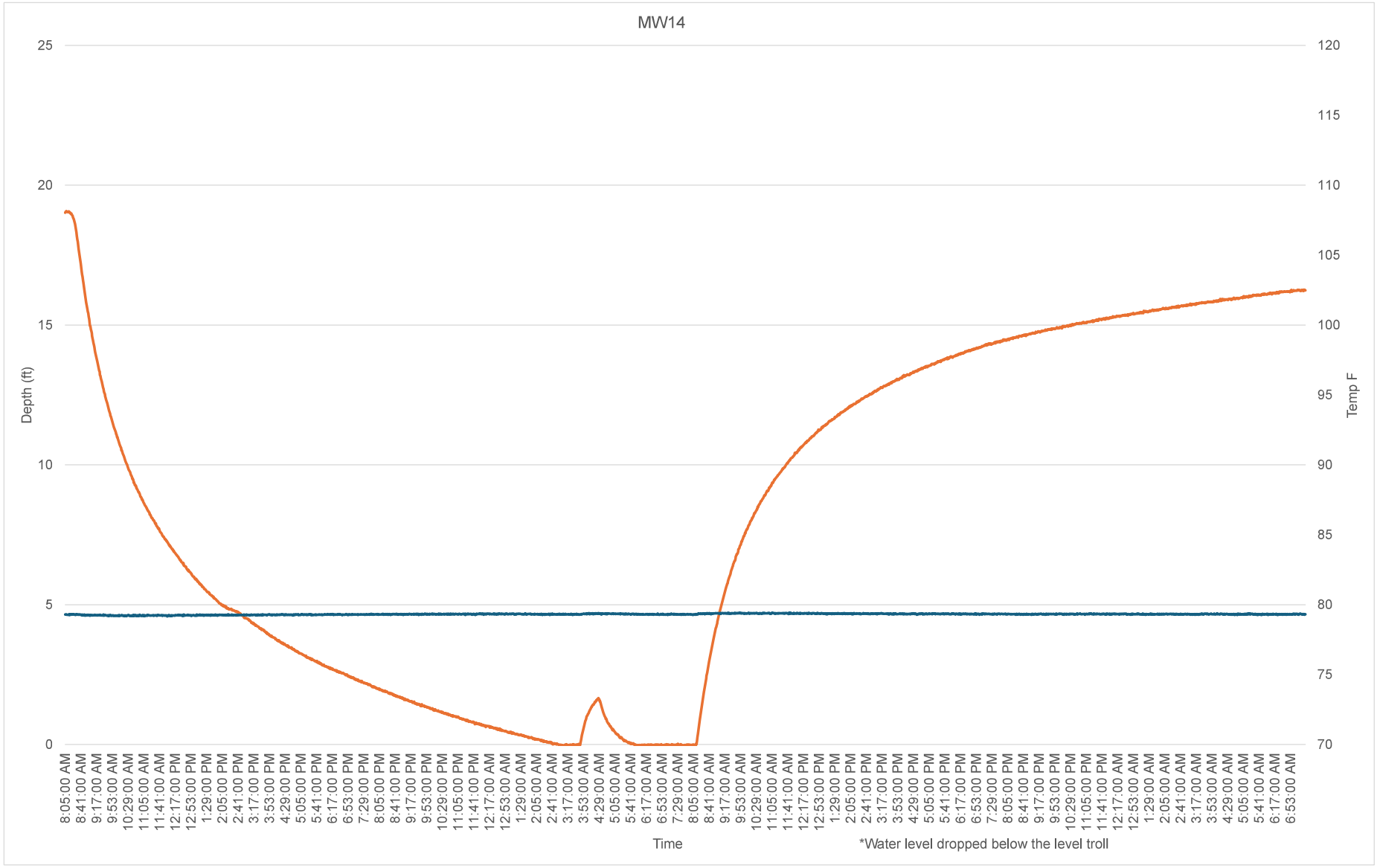
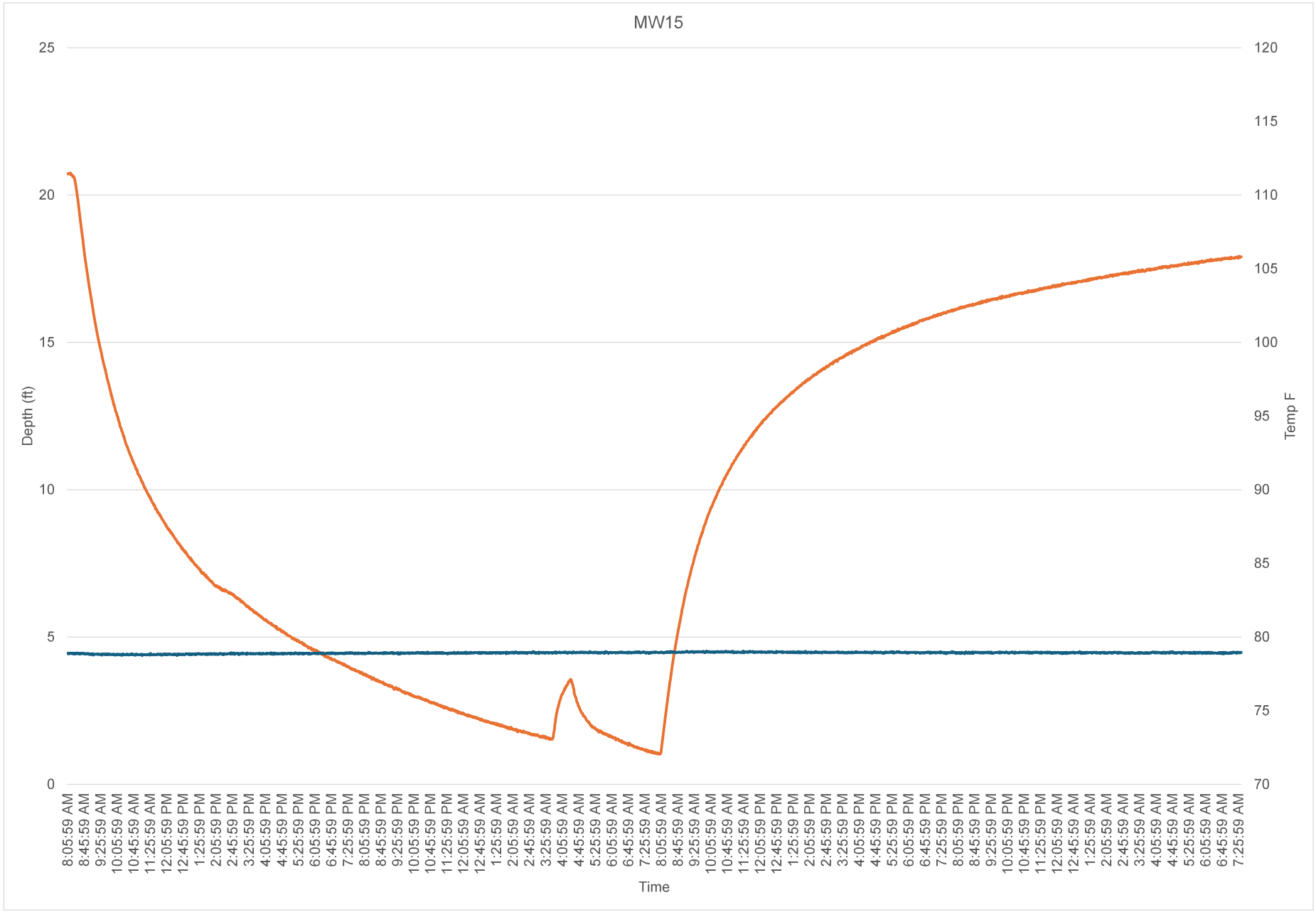

MW14
Depth (ft)
Temp F
Time
*Water level dropped below the level troll


MW15
25
20
15
10
5
0
Depth (ft)
120
115
110
105
100
95
90
85
80
75
70
Temp F
8:05:59 AM
8:45:59 AM
9:25:59 AM
10:05:59 AM
10:45:59 AM
11:25:59 AM
12:05:59 PM
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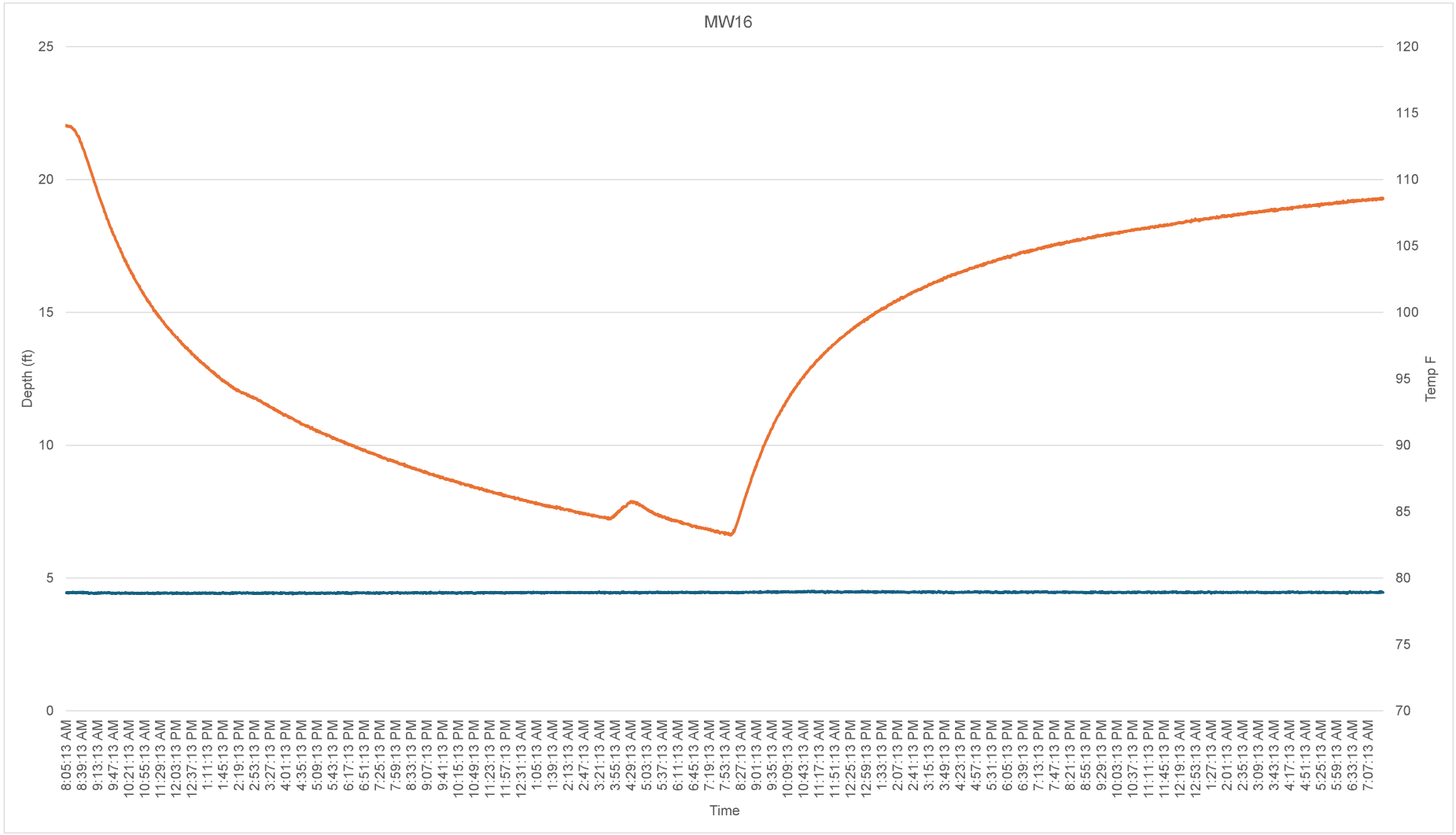
Time


MW16
Depth (ft)
Temp F
Time
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20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
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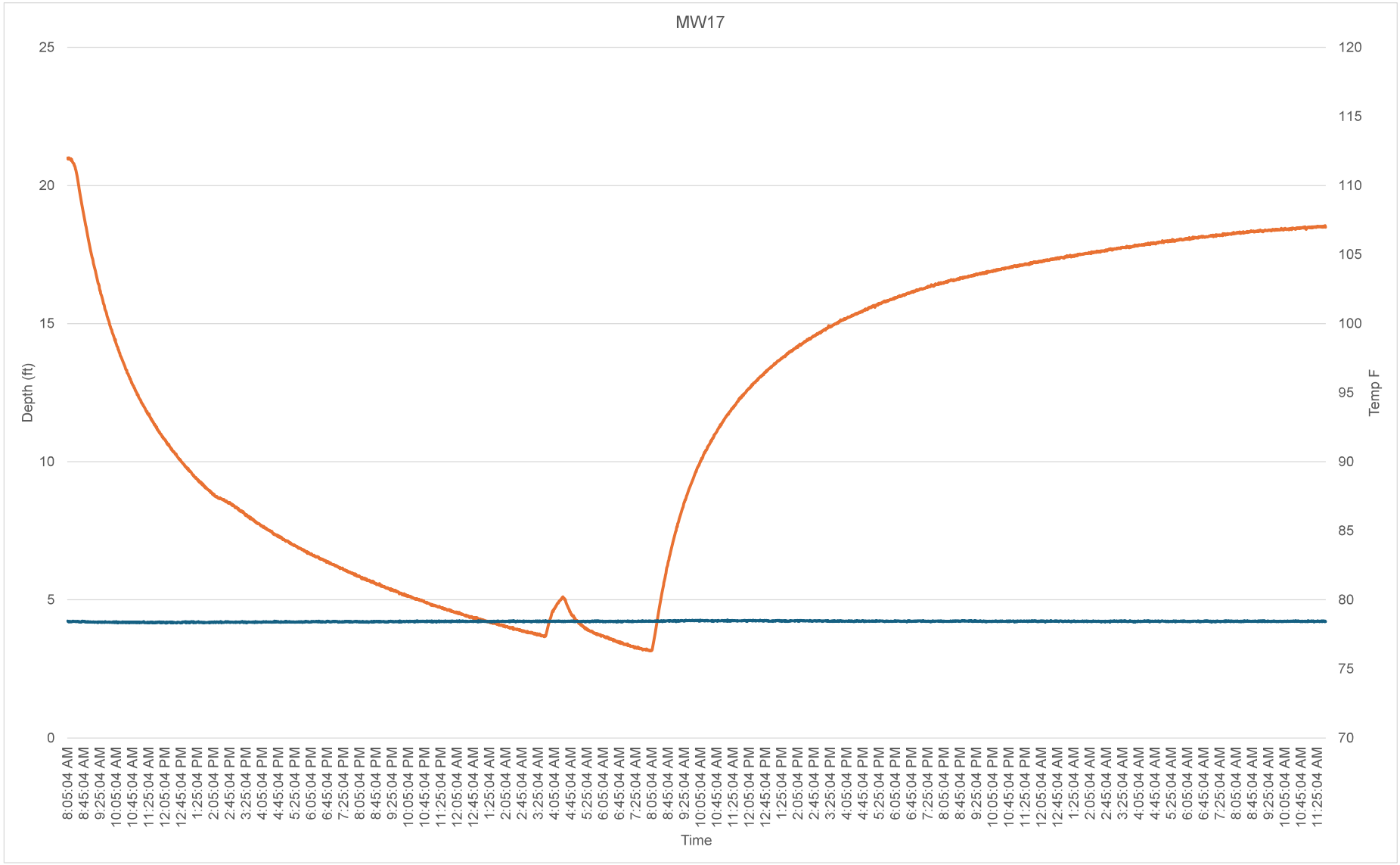
MW17
Depth (ft)
Temp F
Time
25
20
15
10
5
0
120
115
110
105
100
95
90
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75
70
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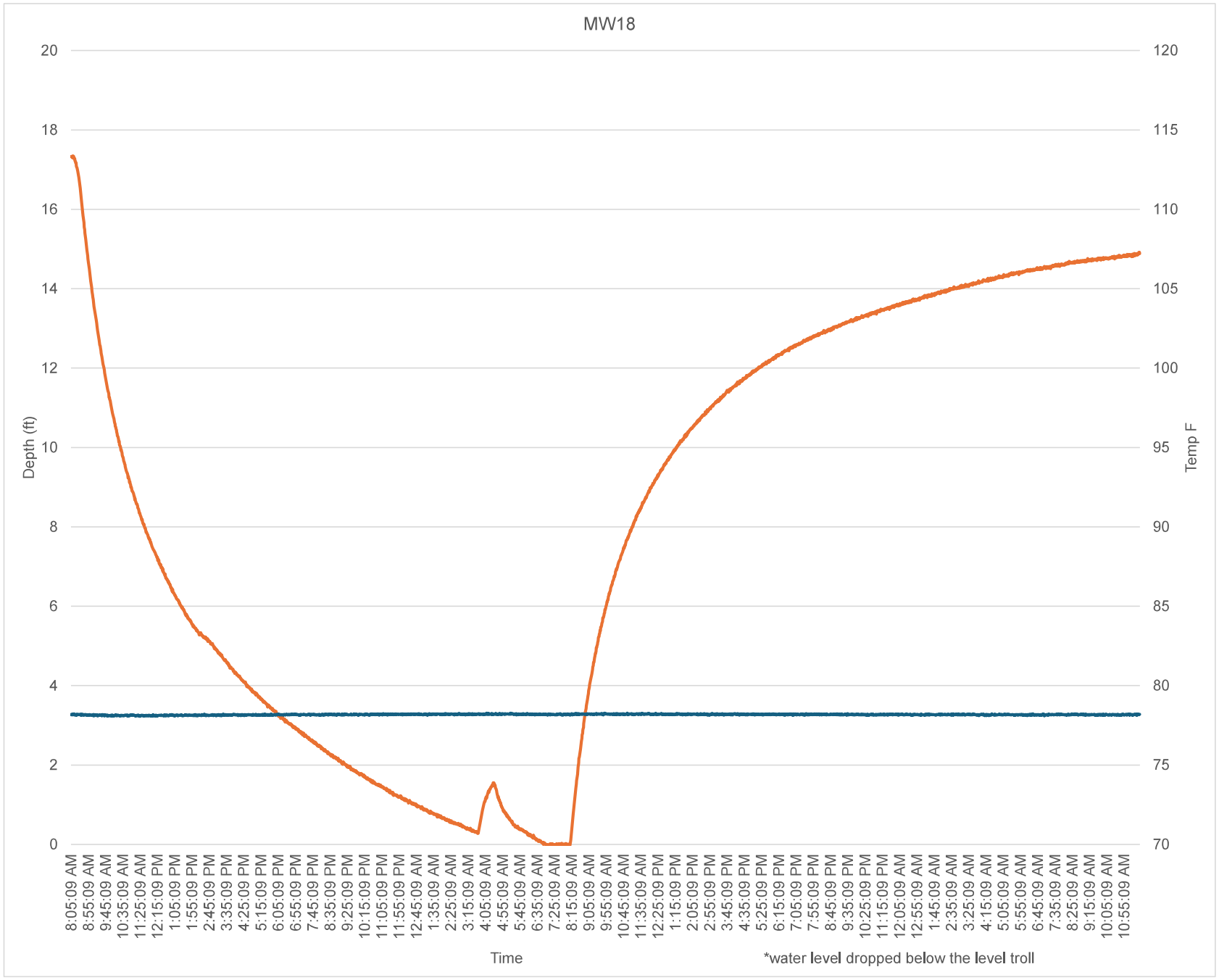
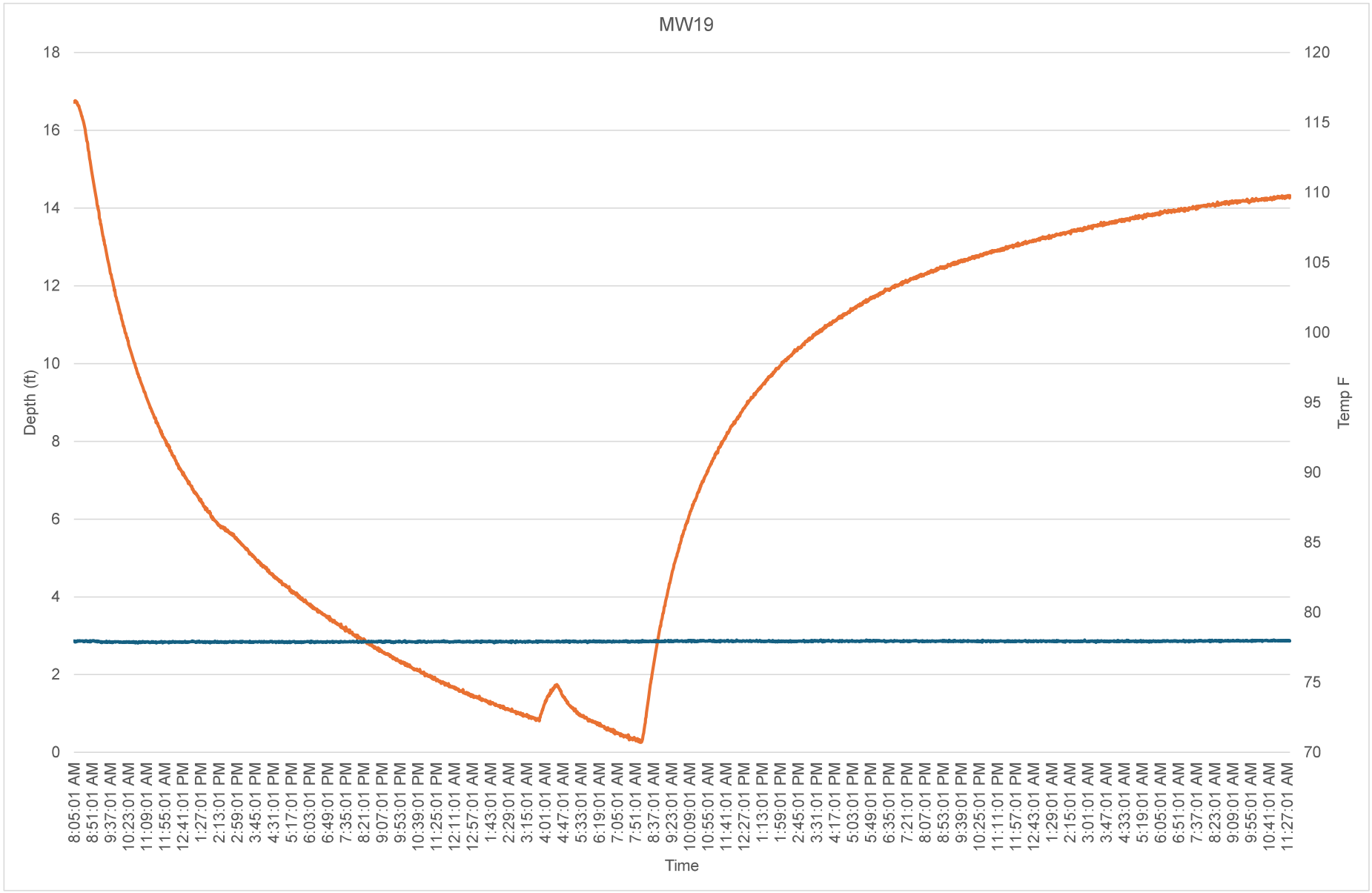

MW18
Depth (ft)
Temp F
Time
*water level dropped below the level troll


MW19
Depth (ft)
Temp F
Time
0
2
4
6
8
10
12
14
16
18
70
75
80
85
90
95
100
105
110
115
120
8:05:01 AM
8:51:01 AM
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10:23:01 AM
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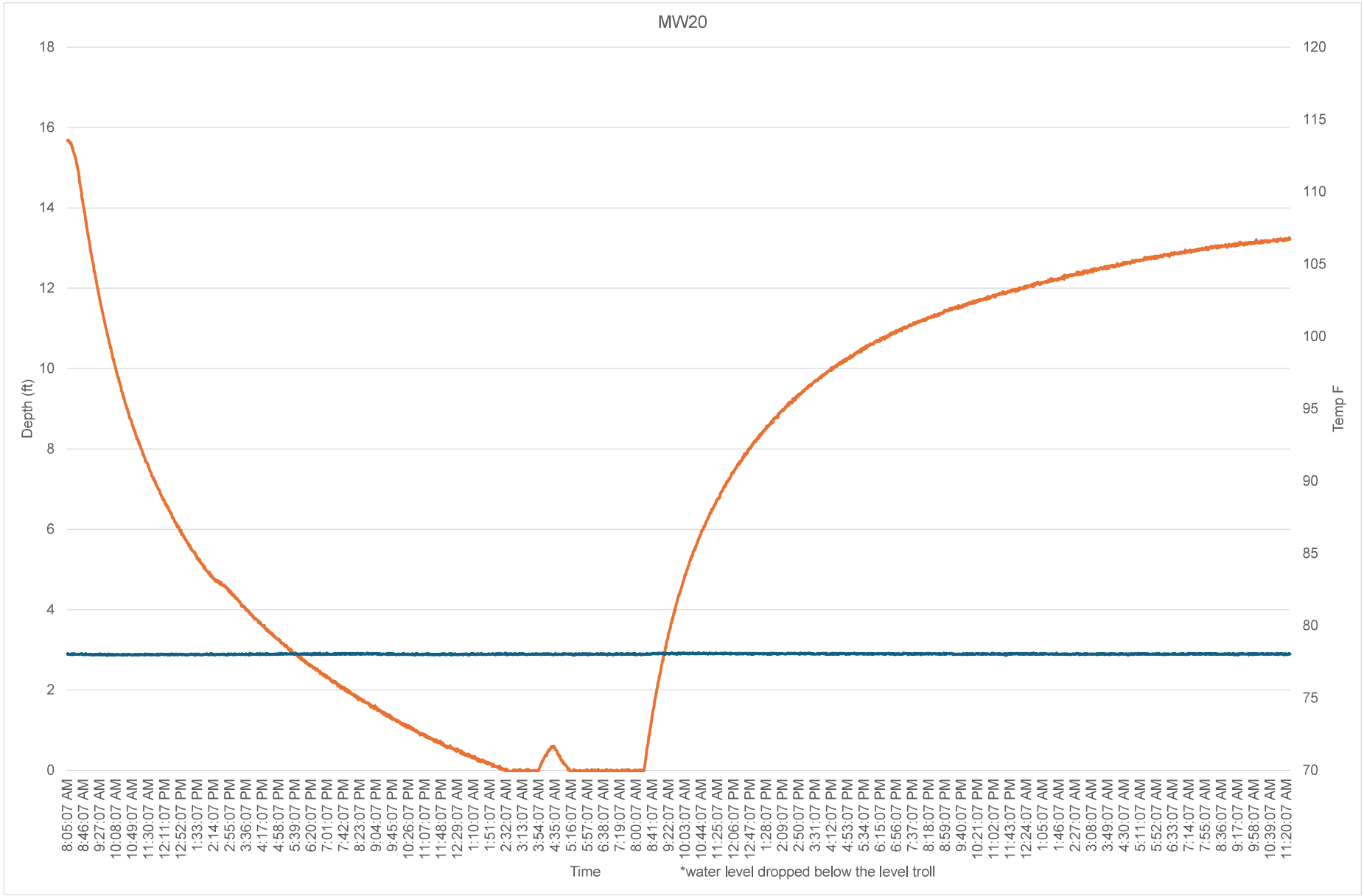
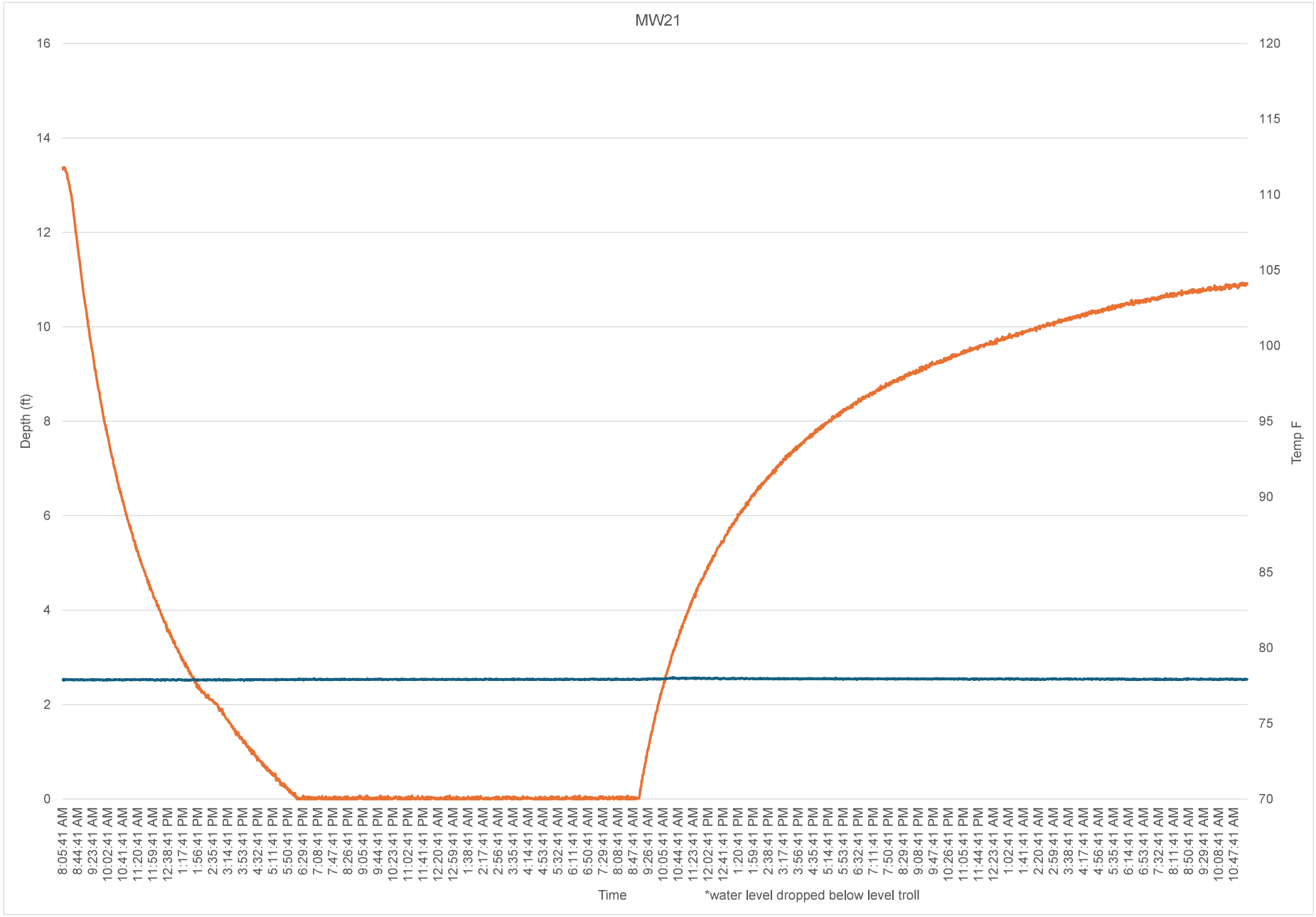
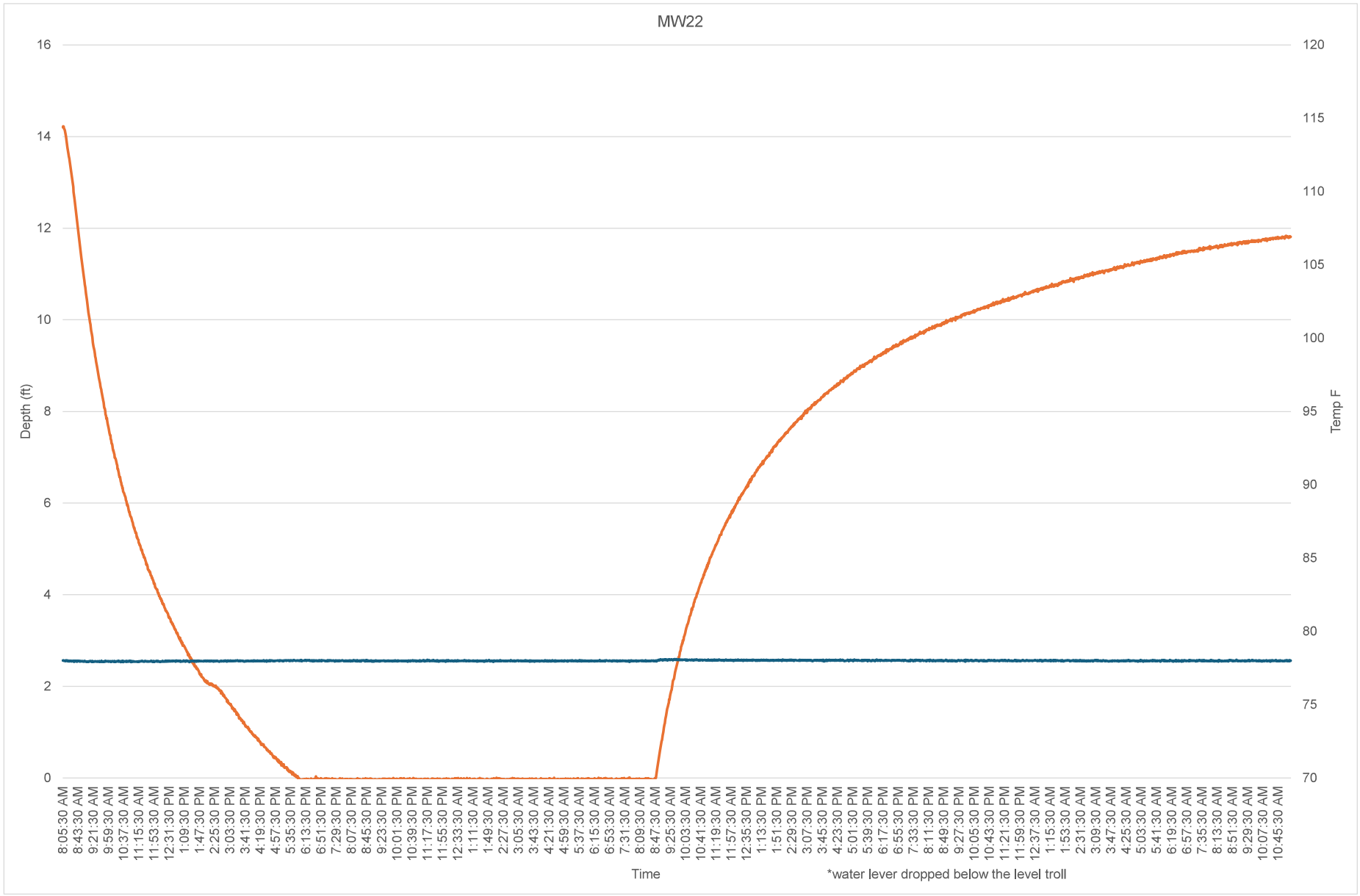
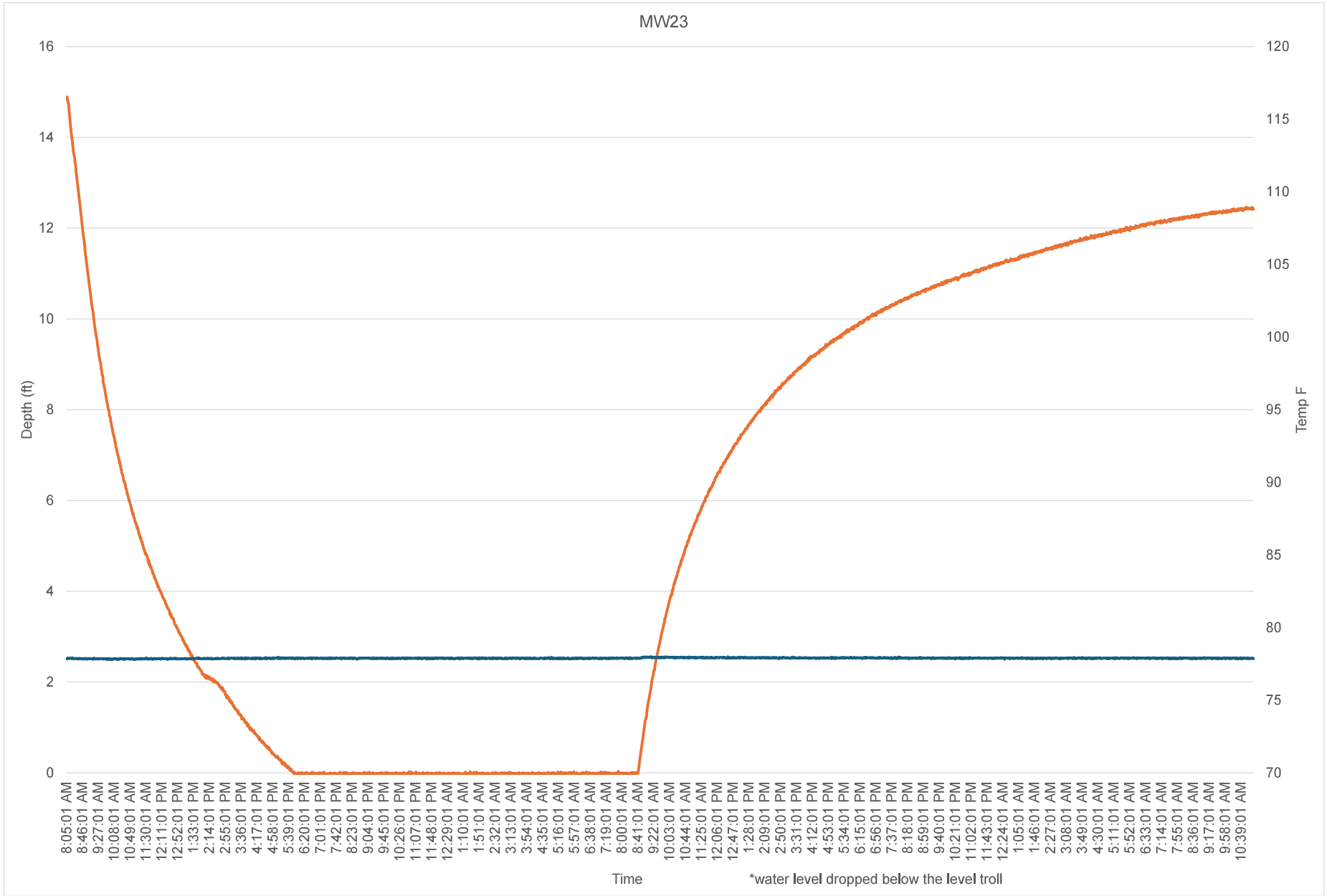
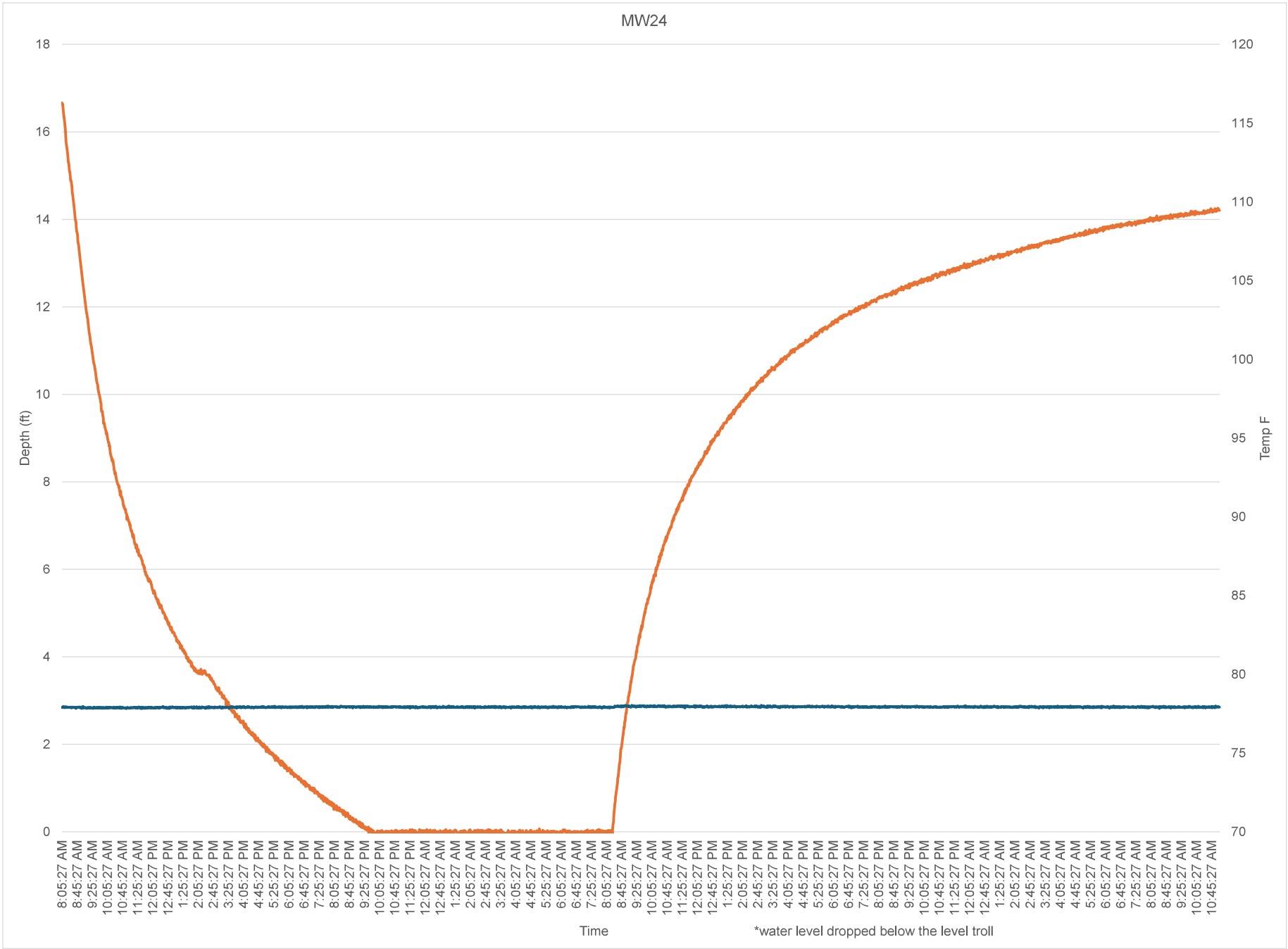
3:01:01 AM
3:47:01 AM
4:33:01 AM
5:19:01 AM
6:05:01 AM
6:51:01 AM
7:37:01 AM
8:23:01 AM
9:09:01 AM
9:55:01 AM
10:41:01 AM
11:27:01 AM

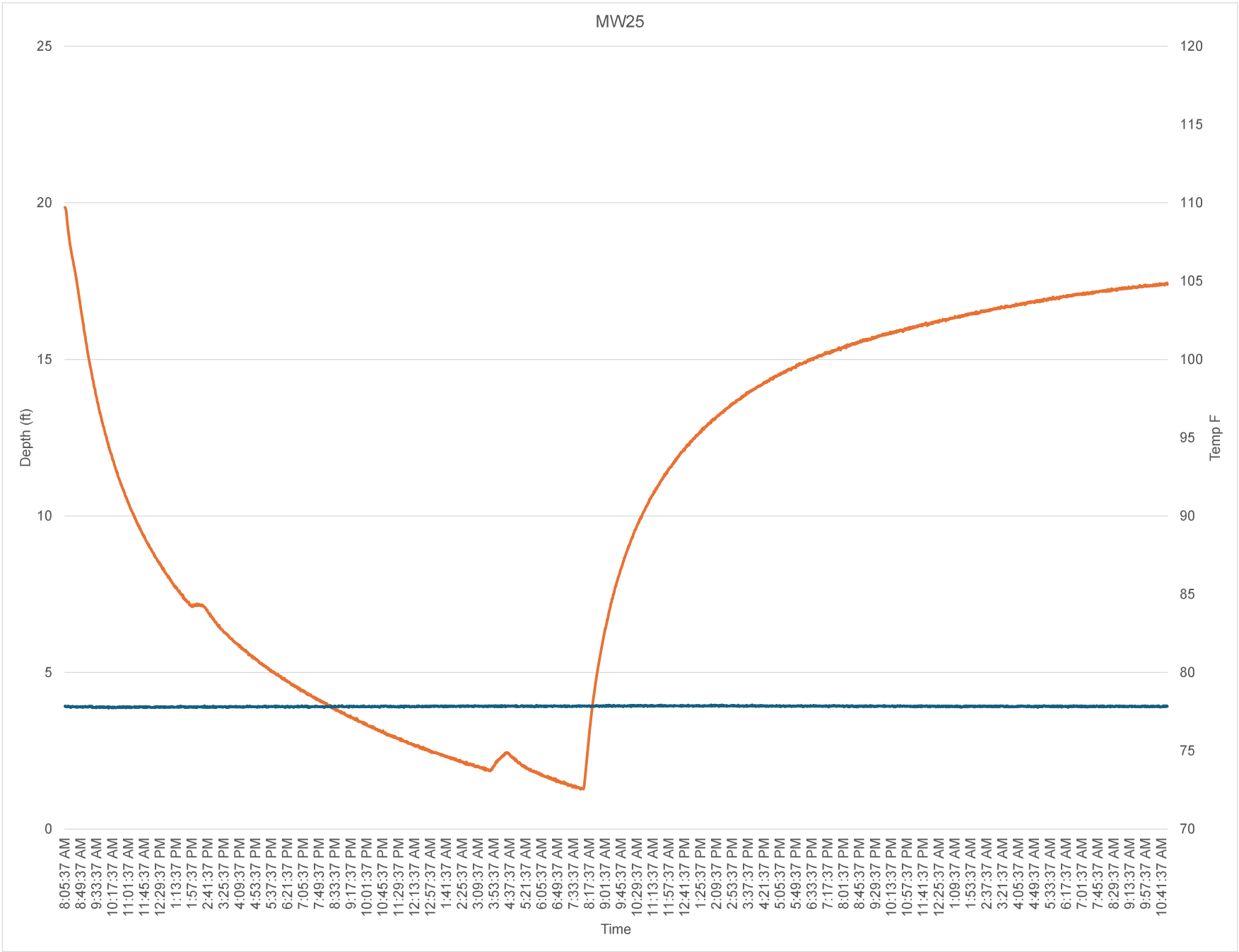

MW20
Depth (ft)
Temp F
Time
*water level dropped below the level troll


MW21
Depth (ft)
Temp F
16
14
12
10
8
6
4
2
0
120
115
110
105
100
95
90
85
80
75
70
8:05:41 AM
8:44:41 AM
9:23:41 AM
10:02:41 AM
10:41:41 AM
11:20:41 AM
11:59:41 AM
12:38:41 PM
1:17:41 PM
1:56:41 PM
2:35:41 PM
3:14:41 PM
3:53:41 PM
4:32:41 PM
5:11:41 PM
5:50:41 PM
6:29:41 PM
7:08:41 PM
7:47:41 PM
8:26:41 PM
9:05:41 PM
9:44:41 PM
10:23:41 PM
11:02:41 PM
11:41:41 PM
12:20:41 AM
12:59:41 AM
1:38:41 AM
2:17:41 AM
2:56:41 AM
3:35:41 AM
4:14:41 AM
4:53:41 AM
5:32:41 AM
6:11:41 AM
6:50:41 AM
7:29:41 AM
8:08:41 AM
8:47:41 AM
9:26:41 AM
10:05:41 AM
10:44:41 AM
11:23:41 AM
12:02:41 PM
12:41:41 PM
1:20:41 PM
1:59:41 PM
2:38:41 PM
3:17:41 PM
3:56:41 PM
4:35:41 PM
5:14:41 PM
5:53:41 PM
6:32:41 PM
7:11:41 PM
7:50:41 PM
8:29:41 PM
9:08:41 PM
9:47:41 PM
10:26:41 PM
11:05:41 PM
11:44:41 PM
12:23:41 AM
1:02:41 AM
1:41:41 AM
2:20:41 AM
2:59:41 AM
3:38:41 AM
4:17:41 AM
4:56:41 AM
5:35:41 AM
6:14:41 AM
6:53:41 AM
7:32:41 AM
8:11:41 AM
8:50:41 AM
9:29:41 AM
10:08:41 AM
10:47:41 AM
Time
*water level dropped below level troll


MW22
Depth (ft)
Temp F
Time
*water lever dropped below the level troll


MW23
Depth (ft)
Temp F
Time
*water level dropped below the level troll


MW24
Depth (ft)
Temp F
Time
*water level dropped below the level troll


MW25
25
20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
Depth (ft)
Temp F
Time
8:05:37 AM
8:49:37 AM
9:33:37 AM
10:17:37 AM
11:01:37 AM
11:45:37 AM
12:29:37 PM
1:13:37 PM
1:57:37 PM
2:41:37 PM
3:25:37 PM
4:09:37 PM
4:53:37 PM
5:37:37 PM
6:21:37 PM
7:05:37 PM
7:49:37 PM
8:33:37 PM
9:17:37 PM
10:01:37 PM
10:45:37 PM
11:29:37 PM
12:13:37 AM
12:57:37 AM
1:41:37 AM
2:25:37 AM
3:09:37 AM
3:53:37 AM
4:37:37 AM
5:21:37 AM
6:05:37 AM
6:49:37 AM
7:33:37 AM
8:17:37 AM
9:01:37 AM
9:45:37 AM
10:29:37 AM
11:13:37 AM
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1:25:37 PM
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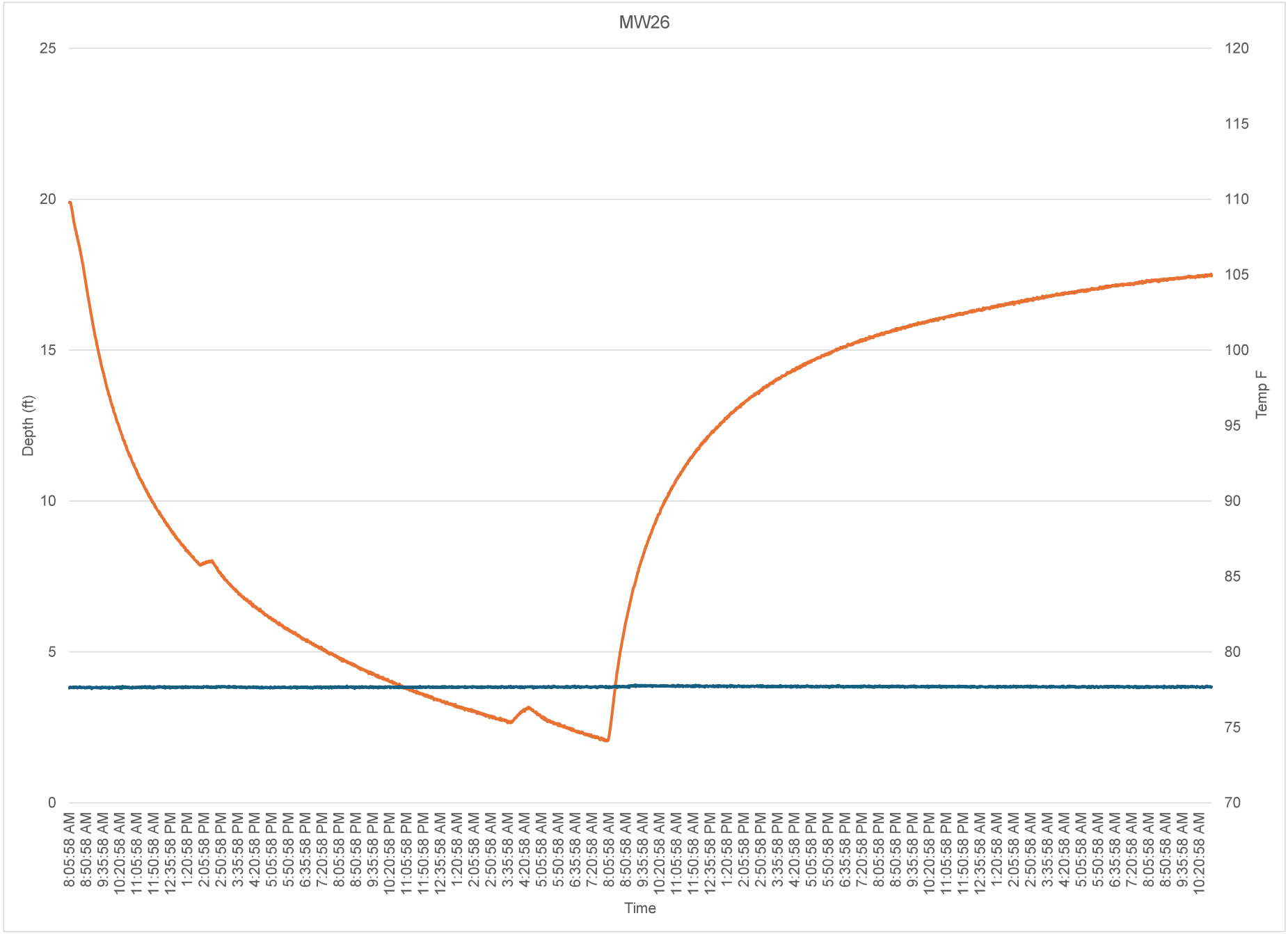
9:57:37 AM
10:41:37 AM


MW26
Depth (ft)
Temp F
Time
25
20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
8:05:58 AM
8:50:58 AM
9:35:58 AM
10:20:58 AM
11:05:58 AM
11:50:58 AM
12:35:58 PM
1:20:58 PM
2:05:58 PM
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4:20:58 PM
5:05:58 PM
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8:05:58 PM
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9:35:58 PM
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12:35:58 AM
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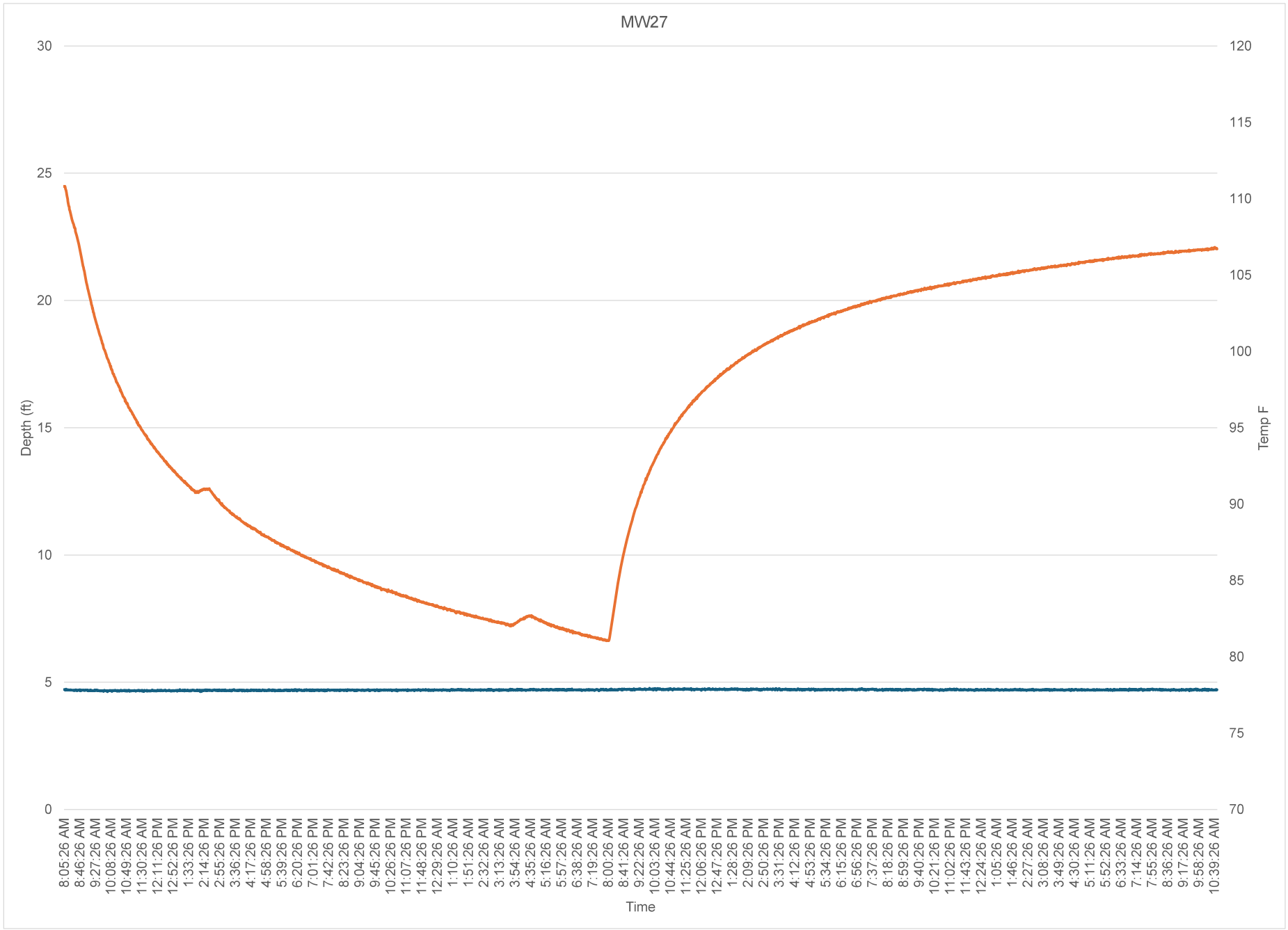
10:20:58 AM


MW27
Depth (ft)
Temp F
Time
30
25
20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
8:05:26 AM
8:46:26 AM
9:27:26 AM
10:08:26 AM
10:49:26 AM
11:30:26 AM
12:11:26 PM
12:52:26 PM
1:33:26 PM
2:14:26 PM
2:55:26 PM
3:36:26 PM
4:17:26 PM
4:58:26 PM
5:39:26 PM
6:20:26 PM
7:01:26 PM
7:42:26 PM
8:23:26 PM
9:04:26 PM
9:45:26 PM
10:26:26 PM
11:07:26 PM
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1:10:26 AM
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3:13:26 AM
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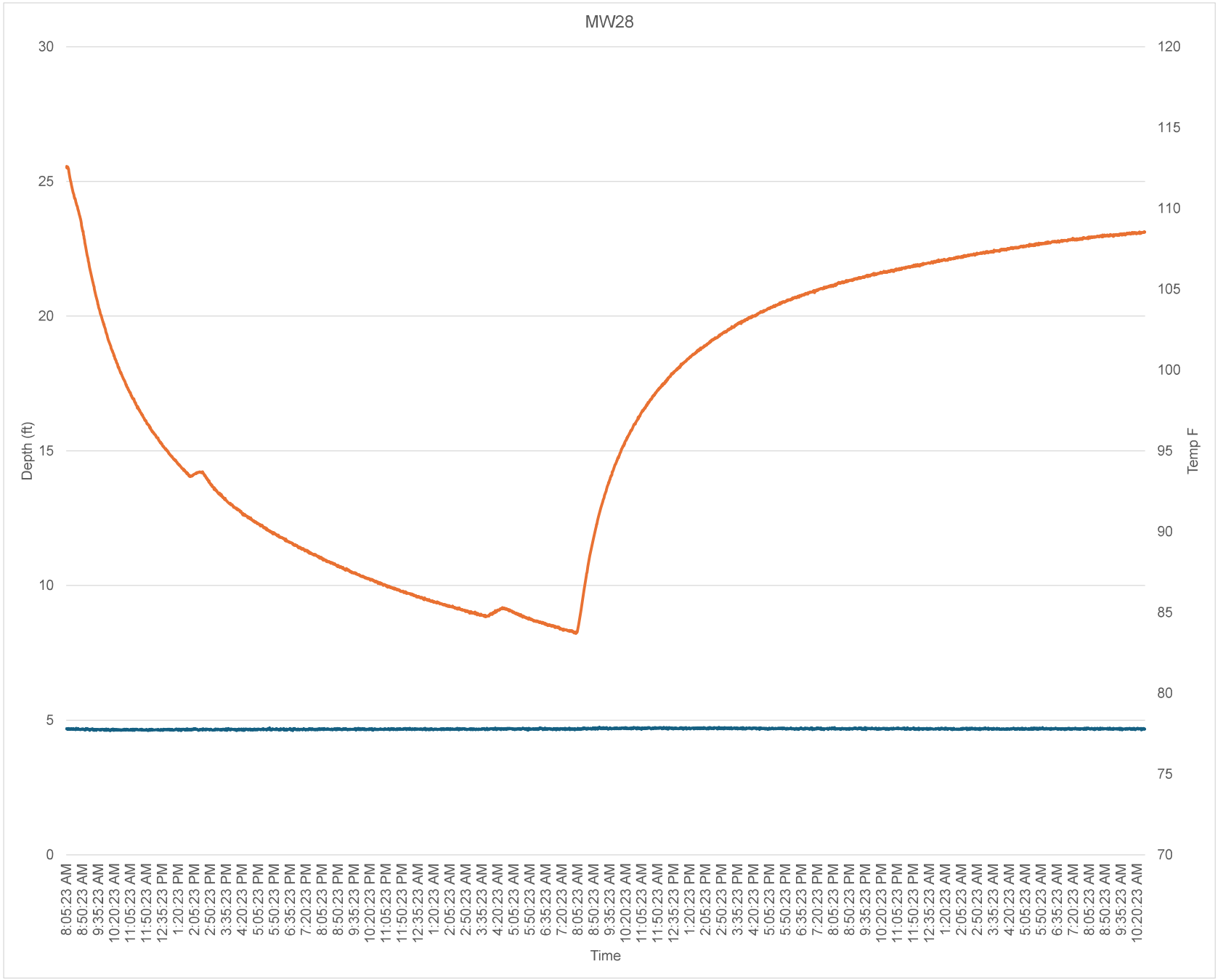
MW28
Depth (ft)
Temp F
Time
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25
20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
8:05:23 AM
8:50:23 AM
9:35:23 AM
10:20:23 AM
11:05:23 AM
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12:35:23 PM
1:20:23 PM
2:05:23 PM
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4:20:23 PM
5:05:23 PM
5:50:23 PM
6:35:23 PM
7:20:23 PM
8:05:23 PM
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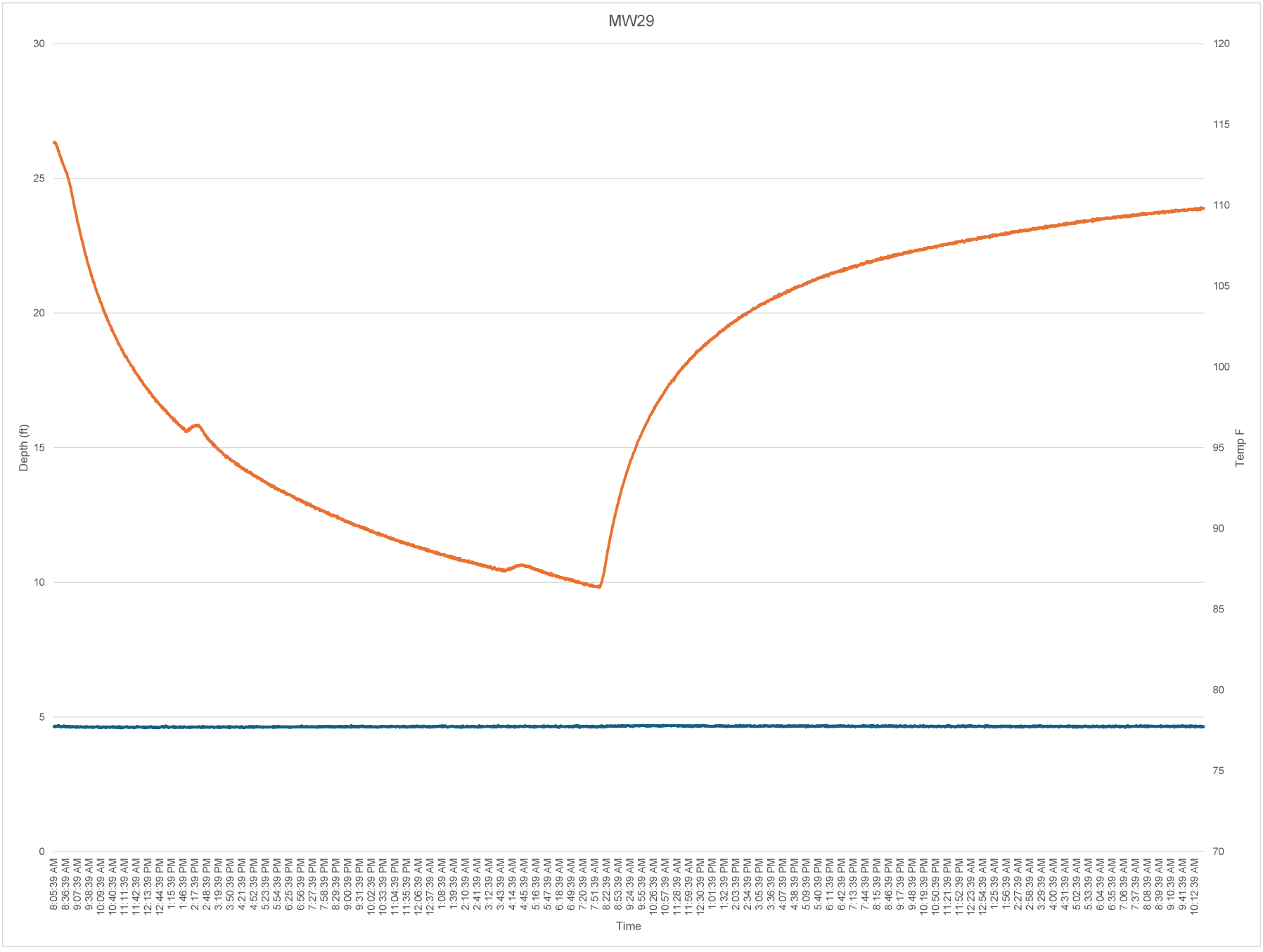
10:20:23 AM


MW29
Depth (ft)
Temp F
Time
30
25
20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
8:05:39 AM
8:36:39 AM
9:07:39 AM
9:38:39 AM
10:09:39 AM
10:40:39 AM
11:11:39 AM
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12:13:39 PM
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7:58:39 PM
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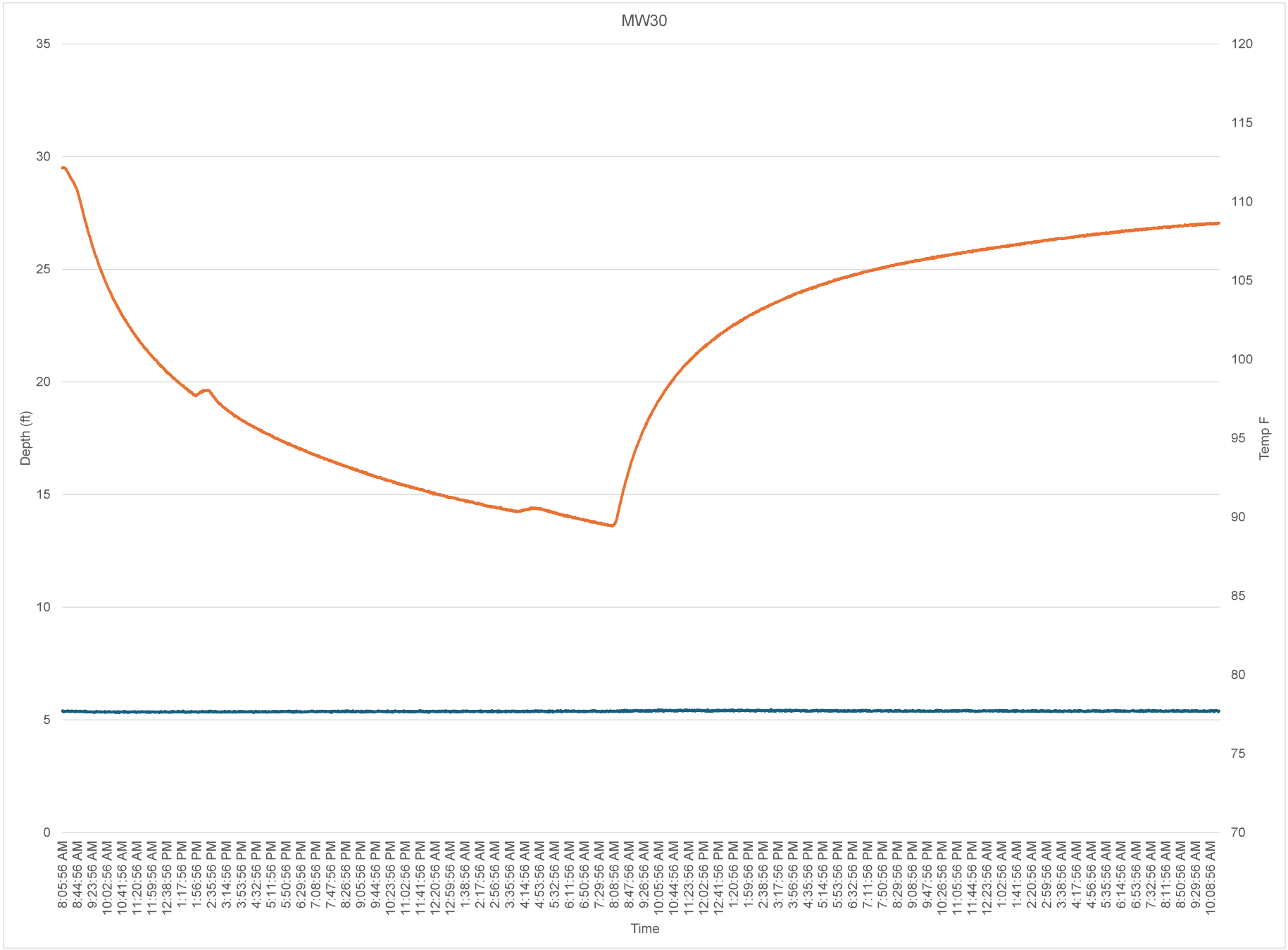
MW30
Depth (ft)
Temp F
Time
35
30
25
20
15
10
5
0
120
115
110
105
100
95
90
85
80
75
70
8:05:56 AM
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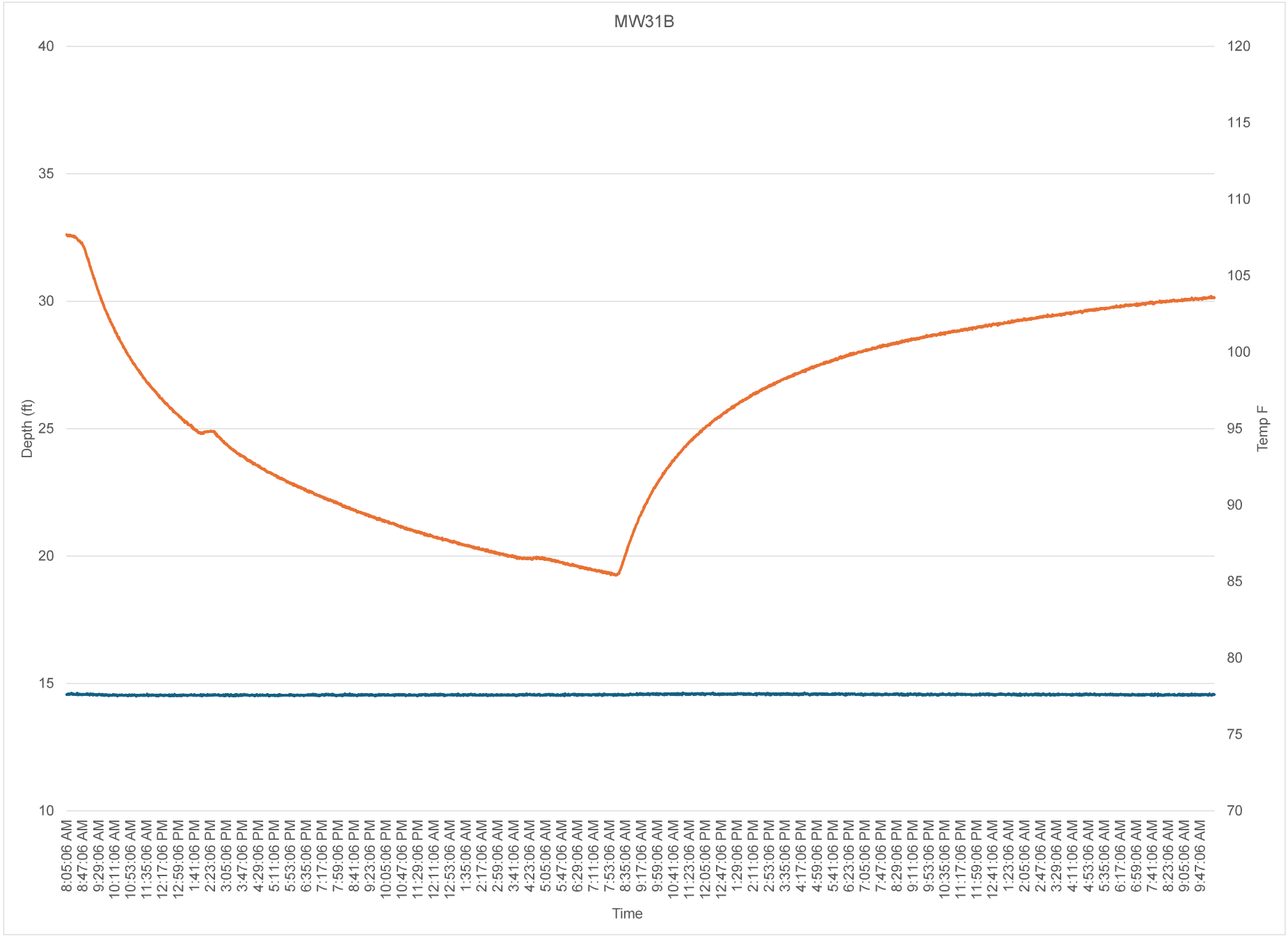
MW31B
Depth (ft)
40
35
30
25
20
15
10
Temp F
120
115
110
105
100
95
90
85
80
75
70
Time
8:05:06 AM
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9:29:06 AM
10:11:06 AM
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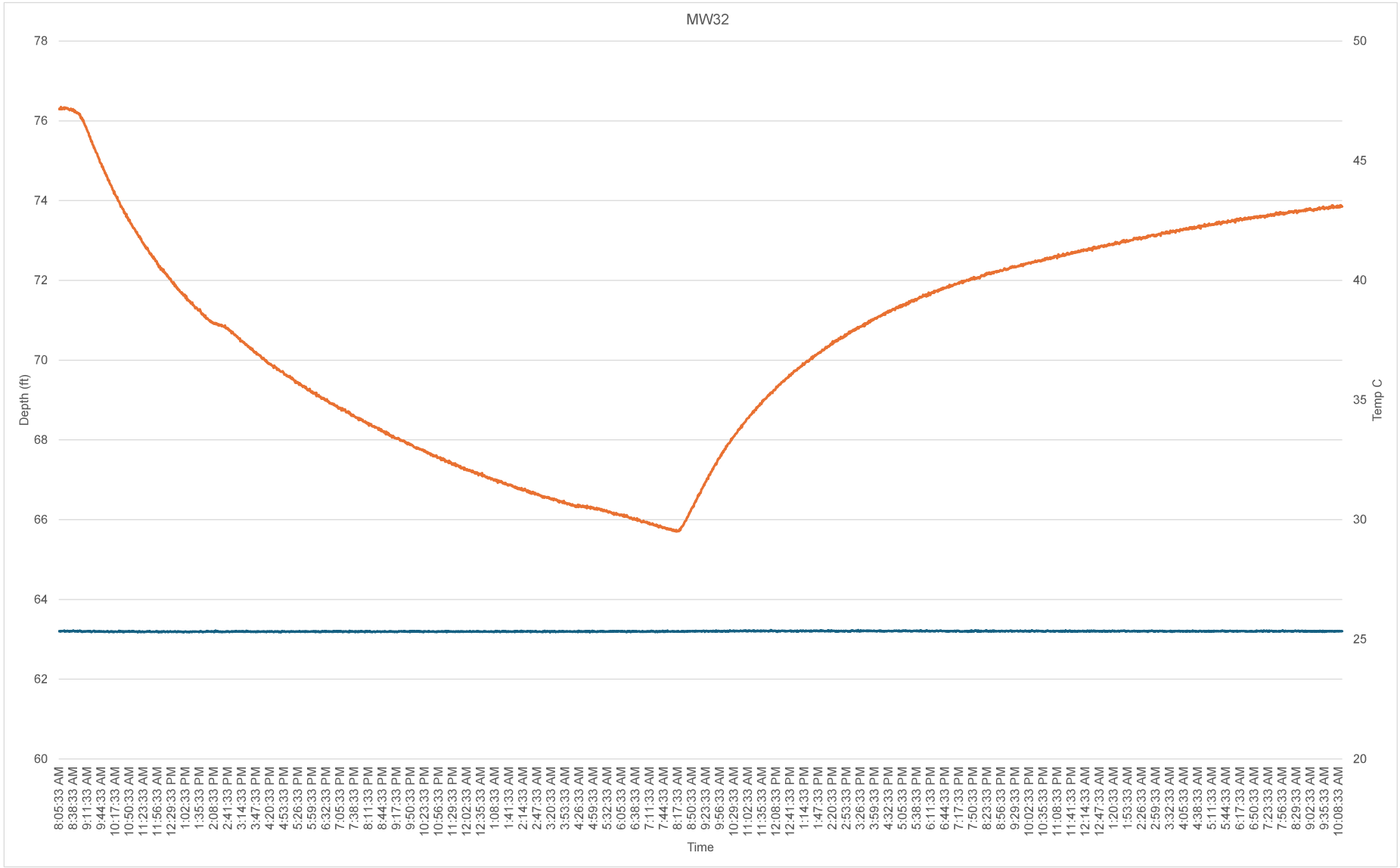
MW32
78
76
74
72
70
68
66
64
62
60
Depth (ft)
50
45
40
35
30
25
20
Temp C
8:05:33 AM
8:38:33 AM
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10:17:33 AM
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5:11:33 AM
5:44:33 AM
6:17:33 AM
6:50:33 AM
7:23:33 AM
7:56:33 AM
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9:02:33 AM
9:35:33 AM
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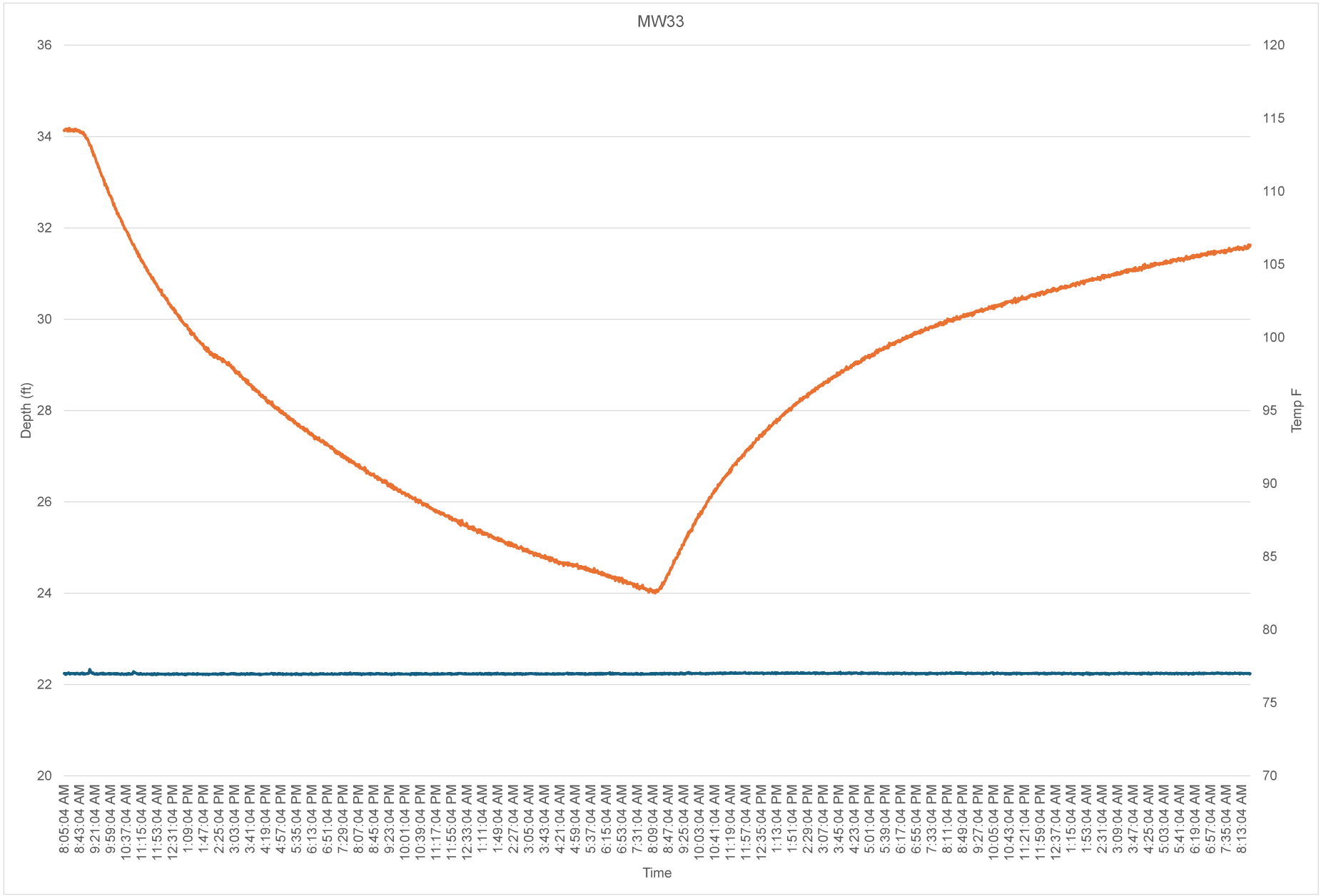
Time


MW33
Depth (ft)
Temp F
Time
36
34
32
30
28
26
24
22
20
120
115
110
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90
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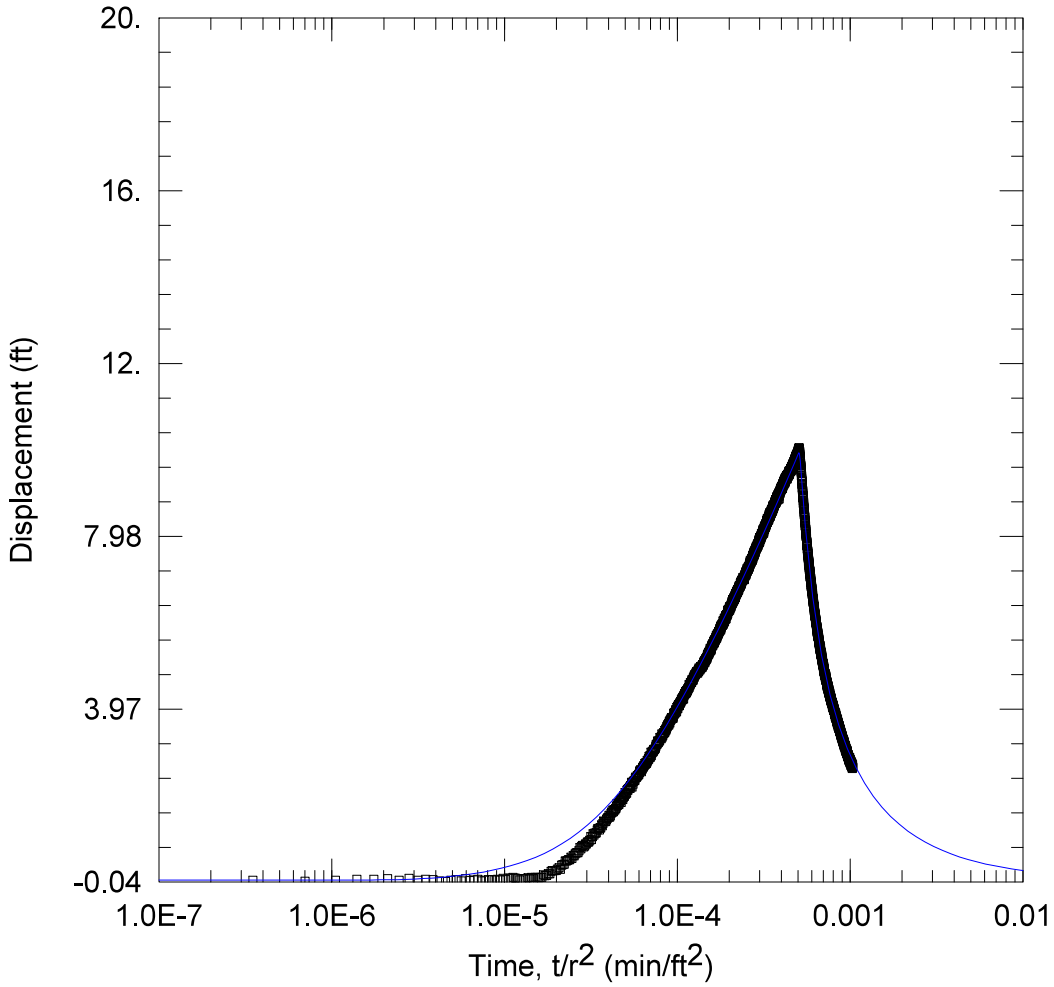
ATTACHMENT 2

PAA AQTESOLV ANALYSES

PAA

TEST



WELL TEST ANALYSIS

Data Set: C:\...\MW1.aqt
Date: 04/11/25 Time: 11:37:38

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW1	2341	2031

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1329.8 ft^2/day
S = 0.0001803
Kz/Kr = 1.
b = 80. ft

Data Set:
Date: 04/10/25
Time: 17:52:00

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW1

X Location: 2341. ft
Y Location: 2031. ft

Radial distance from BM 1B: 1688.202002 ft
Radial distance from BM2A: 1396.910878 ft
Radial distance from BM3: 2134.75994 ft
Radial distance from BM 4 : 1922.032778 ft
Radial distance from BM5: 1762.605174 ft
Radial distance from BM 6: 1508.019231 ft
Radial distance from BM7: 1168.059074 ft
Radial distance from BM9: 622.0843994 ft

Fully Penetrating Well

No. of Observations: 2951

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.002267	1477.	9.618
2.	-0.02219	1478.	9.606
3.	-0.003316	1479.	9.611
4.	0.02009	1480.	9.579
5.	0.02204	1481.	9.567
6.	0.03678	1482.	9.563
7.	-0.004506	1483.	9.522
8.	0.03892	1484.	9.509
9.	-0.00641	1485.	9.526
10.	0.01878	1486.	9.474
11.	0.01057	1487.	9.507
12.	-0.01619	1488.	9.493
13.	-0.03316	1489.	9.448
14.	-0.00121	1490.	9.449
15.	0.01153	1491.	9.429
16.	-0.01816	1492.	9.382
17.	0.03067	1493.	9.373
18.	-0.0107	1494.	9.376
19.	0.00823	1495.	9.313
20.	0.01675	1496.	9.334
21.	-0.01486	1497.	9.291
22.	-0.00426	1498.	9.266
23.	0.01035	1499.	9.272
24.	0.01127	1500.	9.284
25.	0.00742	1501.	9.255
26.	0.02131	1502.	9.247
27.	0.00633	1503.	9.168
28.	0.03807	1504.	9.234
29.	0.009154	1505.	9.187
30.	0.04746	1506.	9.196
31.	0.03903	1507.	9.183
32.	0.0675	1508.	9.093

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.04941	1509.	9.089
34.	0.03587	1510.	9.165
35.	0.00633	1511.	9.097
36.	0.034	1512.	9.083
37.	0.0253	1513.	9.047
38.	0.03164	1514.	9.035
39.	0.05392	1515.	9.04
40.	0.02432	1516.	8.997
41.	0.0644	1517.	9.02
42.	0.03377	1518.	8.979
43.	0.06857	1519.	8.984
44.	0.06319	1520.	8.922
45.	0.05381	1521.	8.937
46.	0.06846	1522.	8.918
47.	0.06651	1523.	8.904
48.	0.1246	1524.	8.864
49.	0.1024	1525.	8.864
50.	0.1087	1526.	8.909
51.	0.1437	1527.	8.858
52.	0.1454	1528.	8.849
53.	0.2113	1529.	8.796
54.	0.2241	1530.	8.806
55.	0.2199	1531.	8.739
56.	0.2248	1532.	8.745
57.	0.2346	1533.	8.782
58.	0.2641	1534.	8.759
59.	0.2893	1535.	8.736
60.	0.2515	1536.	8.687
61.	0.3464	1537.	8.711
62.	0.3624	1538.	8.682
63.	0.3707	1539.	8.674
64.	0.4426	1540.	8.651
65.	0.4469	1541.	8.64
66.	0.4575	1542.	8.615
67.	0.4724	1543.	8.628
68.	0.4764	1544.	8.613
69.	0.5371	1545.	8.594
70.	0.5019	1546.	8.539
71.	0.5707	1547.	8.557
72.	0.5612	1548.	8.533
73.	0.6055	1549.	8.547
74.	0.6257	1550.	8.515
75.	0.6331	1551.	8.483
76.	0.6384	1552.	8.47
77.	0.6783	1553.	8.465
78.	0.7514	1554.	8.447
79.	0.7251	1555.	8.45
80.	0.7813	1556.	8.415
81.	0.8065	1557.	8.407
82.	0.7663	1558.	8.4
83.	0.7908	1559.	8.421
84.	0.837	1560.	8.338
85.	0.836	1561.	8.345
86.	0.8795	1562.	8.363
87.	0.8805	1563.	8.357
88.	0.8879	1564.	8.315
89.	0.9216	1565.	8.285
90.	1.005	1566.	8.277
91.	0.9398	1567.	8.301
92.	1.005	1568.	8.276
93.	1.07	1569.	8.265
94.	1.04	1570.	8.216
95.	1.09	1571.	8.209
96.	1.088	1572.	8.223
97.	1.096	1573.	8.227
98.	1.163	1574.	8.156

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	1.194	1575.	8.204
100.	1.203	1576.	8.153
101.	1.167	1577.	8.122
102.	1.219	1578.	8.144
103.	1.213	1579.	8.113
104.	1.283	1580.	8.136
105.	1.26	1581.	8.088
106.	1.311	1582.	8.084
107.	1.375	1583.	8.056
108.	1.357	1584.	8.053
109.	1.352	1585.	8.025
110.	1.36	1586.	8.017
111.	1.4	1587.	8.004
112.	1.432	1588.	8.035
113.	1.446	1589.	7.968
114.	1.461	1590.	7.989
115.	1.502	1591.	7.985
116.	1.462	1592.	7.96
117.	1.492	1593.	7.967
118.	1.542	1594.	7.929
119.	1.578	1595.	7.934
120.	1.569	1596.	7.915
121.	1.619	1597.	7.897
122.	1.583	1598.	7.874
123.	1.639	1599.	7.875
124.	1.625	1600.	7.823
125.	1.652	1601.	7.85
126.	1.665	1602.	7.842
127.	1.713	1603.	7.849
128.	1.776	1604.	7.804
129.	1.732	1605.	7.816
130.	1.764	1606.	7.753
131.	1.758	1607.	7.745
132.	1.809	1608.	7.767
133.	1.81	1609.	7.774
134.	1.843	1610.	7.76
135.	1.802	1611.	7.682
136.	1.885	1612.	7.75
137.	1.879	1613.	7.752
138.	1.868	1614.	7.676
139.	1.922	1615.	7.687
140.	1.959	1616.	7.637
141.	1.942	1617.	7.648
142.	2.028	1618.	7.653
143.	1.986	1619.	7.648
144.	2.01	1620.	7.648
145.	2.015	1621.	7.627
146.	2.084	1622.	7.622
147.	2.108	1623.	7.57
148.	2.08	1624.	7.586
149.	2.124	1625.	7.584
150.	2.125	1626.	7.59
151.	2.157	1627.	7.567
152.	2.129	1628.	7.541
153.	2.193	1629.	7.51
154.	2.169	1630.	7.516
155.	2.272	1631.	7.506
156.	2.161	1632.	7.513
157.	2.269	1633.	7.473
158.	2.224	1634.	7.475
159.	2.293	1635.	7.45
160.	2.299	1636.	7.471
161.	2.316	1637.	7.447
162.	2.311	1638.	7.414
163.	2.364	1639.	7.375
164.	2.389	1640.	7.441

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	2.378	1641.	7.424
166.	2.389	1642.	7.387
167.	2.417	1643.	7.401
168.	2.413	1644.	7.358
169.	2.424	1645.	7.383
170.	2.452	1646.	7.351
171.	2.45	1647.	7.378
172.	2.493	1648.	7.3
173.	2.53	1649.	7.309
174.	2.532	1650.	7.32
175.	2.559	1651.	7.292
176.	2.542	1652.	7.342
177.	2.514	1653.	7.247
178.	2.569	1654.	7.283
179.	2.585	1655.	7.304
180.	2.617	1656.	7.271
181.	2.614	1657.	7.258
182.	2.634	1658.	7.236
183.	2.657	1659.	7.208
184.	2.667	1660.	7.203
185.	2.706	1661.	7.196
186.	2.685	1662.	7.194
187.	2.689	1663.	7.177
188.	2.722	1664.	7.172
189.	2.709	1665.	7.172
190.	2.73	1666.	7.164
191.	2.776	1667.	7.161
192.	2.757	1668.	7.099
193.	2.789	1669.	7.154
194.	2.815	1670.	7.12
195.	2.806	1671.	7.117
196.	2.868	1672.	7.092
197.	2.84	1673.	7.102
198.	2.886	1674.	7.11
199.	2.845	1675.	7.085
200.	2.887	1676.	7.043
201.	2.965	1677.	7.033
202.	2.886	1678.	7.029
203.	2.93	1679.	7.053
204.	2.985	1680.	7.062
205.	2.967	1681.	7.024
206.	2.973	1682.	7.018
207.	2.982	1683.	7.027
208.	3.004	1684.	6.991
209.	3.03	1685.	7.013
210.	3.026	1686.	6.999
211.	3.026	1687.	6.927
212.	3.05	1688.	6.964
213.	3.063	1689.	6.939
214.	3.09	1690.	6.945
215.	3.134	1691.	6.945
216.	3.137	1692.	6.915
217.	3.149	1693.	6.907
218.	3.151	1694.	6.901
219.	3.172	1695.	6.9
220.	3.232	1696.	6.907
221.	3.198	1697.	6.849
222.	3.192	1698.	6.852
223.	3.223	1699.	6.836
224.	3.244	1700.	6.846
225.	3.228	1701.	6.823
226.	3.305	1702.	6.813
227.	3.295	1703.	6.805
228.	3.289	1704.	6.799
229.	3.315	1705.	6.81
230.	3.28	1706.	6.803

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	3.338	1707.	6.767
232.	3.39	1708.	6.756
233.	3.318	1709.	6.762
234.	3.365	1710.	6.729
235.	3.354	1711.	6.778
236.	3.4	1712.	6.745
237.	3.398	1713.	6.767
238.	3.421	1714.	6.735
239.	3.415	1715.	6.729
240.	3.421	1716.	6.7
241.	3.476	1717.	6.694
242.	3.44	1718.	6.702
243.	3.482	1719.	6.685
244.	3.489	1720.	6.682
245.	3.482	1721.	6.65
246.	3.511	1722.	6.677
247.	3.518	1723.	6.627
248.	3.535	1724.	6.652
249.	3.57	1725.	6.646
250.	3.564	1726.	6.615
251.	3.598	1727.	6.623
252.	3.599	1728.	6.601
253.	3.603	1729.	6.657
254.	3.631	1730.	6.585
255.	3.599	1731.	6.6
256.	3.671	1732.	6.561
257.	3.659	1733.	6.553
258.	3.642	1734.	6.548
259.	3.709	1735.	6.546
260.	3.711	1736.	6.519
261.	3.706	1737.	6.543
262.	3.715	1738.	6.523
263.	3.756	1739.	6.488
264.	3.77	1740.	6.525
265.	3.745	1741.	6.503
266.	3.76	1742.	6.523
267.	3.771	1743.	6.485
268.	3.763	1744.	6.452
269.	3.765	1745.	6.461
270.	3.755	1746.	6.433
271.	3.8	1747.	6.451
272.	3.873	1748.	6.472
273.	3.842	1749.	6.442
274.	3.871	1750.	6.424
275.	3.86	1751.	6.402
276.	3.888	1752.	6.426
277.	3.895	1753.	6.437
278.	3.877	1754.	6.401
279.	3.946	1755.	6.386
280.	3.94	1756.	6.347
281.	3.952	1757.	6.364
282.	3.9	1758.	6.333
283.	3.941	1759.	6.35
284.	4.008	1760.	6.332
285.	3.977	1761.	6.35
286.	4.021	1762.	6.341
287.	3.973	1763.	6.39
288.	4.02	1764.	6.337
289.	4.055	1765.	6.353
290.	4.065	1766.	6.336
291.	4.046	1767.	6.34
292.	4.04	1768.	6.291
293.	4.08	1769.	6.282
294.	4.051	1770.	6.24
295.	4.101	1771.	6.261
296.	4.114	1772.	6.296

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	4.124	1773.	6.258
298.	4.1	1774.	6.226
299.	4.143	1775.	6.228
300.	4.135	1776.	6.236
301.	4.199	1777.	6.249
302.	4.182	1778.	6.237
303.	4.176	1779.	6.215
304.	4.181	1780.	6.205
305.	4.181	1781.	6.199
306.	4.229	1782.	6.167
307.	4.207	1783.	6.158
308.	4.235	1784.	6.137
309.	4.259	1785.	6.187
310.	4.255	1786.	6.174
311.	4.199	1787.	6.152
312.	4.278	1788.	6.13
313.	4.293	1789.	6.165
314.	4.311	1790.	6.126
315.	4.313	1791.	6.142
316.	4.328	1792.	6.129
317.	4.313	1793.	6.104
318.	4.335	1794.	6.111
319.	4.376	1795.	6.112
320.	4.33	1796.	6.104
321.	4.356	1797.	6.085
322.	4.349	1798.	6.092
323.	4.393	1799.	6.092
324.	4.4	1800.	6.046
325.	4.404	1801.	6.075
326.	4.418	1802.	6.047
327.	4.381	1803.	6.056
328.	4.415	1804.	6.014
329.	4.447	1805.	6.018
330.	4.44	1806.	6.005
331.	4.456	1807.	6.027
332.	4.469	1808.	6.002
333.	4.531	1809.	6.064
334.	4.463	1810.	5.979
335.	4.518	1811.	6.015
336.	4.523	1812.	6.001
337.	4.505	1813.	5.975
338.	4.542	1814.	5.985
339.	4.544	1815.	5.966
340.	4.585	1816.	5.955
341.	4.566	1817.	5.957
342.	4.579	1818.	5.966
343.	4.587	1819.	5.961
344.	4.589	1820.	5.934
345.	4.582	1821.	5.938
346.	4.616	1822.	5.935
347.	4.643	1823.	5.923
348.	4.644	1824.	5.921
349.	4.648	1825.	5.899
350.	4.627	1826.	5.891
351.	4.629	1827.	5.88
352.	4.652	1828.	5.886
353.	4.687	1829.	5.87
354.	4.693	1830.	5.856
355.	4.697	1831.	5.849
356.	4.695	1832.	5.861
357.	4.735	1833.	5.857
358.	4.732	1834.	5.848
359.	4.732	1835.	5.822
360.	4.736	1836.	5.804
361.	4.766	1837.	5.796
362.	4.759	1838.	5.814

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	4.77	1839.	5.765
364.	4.778	1840.	5.749
365.	4.775	1841.	5.753
366.	4.792	1842.	5.789
367.	4.806	1843.	5.808
368.	4.822	1844.	5.779
369.	4.832	1845.	5.787
370.	4.827	1846.	5.778
371.	4.826	1847.	5.741
372.	4.825	1848.	5.785
373.	4.845	1849.	5.755
374.	4.803	1850.	5.741
375.	4.819	1851.	5.716
376.	4.85	1852.	5.712
377.	4.882	1853.	5.729
378.	4.844	1854.	5.738
379.	4.837	1855.	5.702
380.	4.869	1856.	5.731
381.	4.919	1857.	5.685
382.	4.897	1858.	5.681
383.	4.88	1859.	5.681
384.	4.884	1860.	5.677
385.	4.87	1861.	5.655
386.	4.92	1862.	5.652
387.	4.906	1863.	5.646
388.	4.905	1864.	5.652
389.	4.945	1865.	5.651
390.	4.93	1866.	5.65
391.	4.908	1867.	5.655
392.	4.937	1868.	5.634
393.	4.933	1869.	5.652
394.	4.955	1870.	5.658
395.	4.959	1871.	5.633
396.	4.959	1872.	5.628
397.	4.933	1873.	5.627
398.	4.957	1874.	5.603
399.	4.989	1875.	5.596
400.	4.979	1876.	5.599
401.	4.996	1877.	5.573
402.	4.98	1878.	5.576
403.	4.998	1879.	5.559
404.	4.995	1880.	5.56
405.	5.007	1881.	5.582
406.	5.042	1882.	5.55
407.	5.026	1883.	5.547
408.	5.068	1884.	5.542
409.	5.069	1885.	5.524
410.	5.066	1886.	5.5
411.	5.071	1887.	5.508
412.	5.092	1888.	5.531
413.	5.054	1889.	5.489
414.	5.12	1890.	5.506
415.	5.105	1891.	5.504
416.	5.095	1892.	5.514
417.	5.118	1893.	5.494
418.	5.139	1894.	5.514
419.	5.128	1895.	5.47
420.	5.15	1896.	5.463
421.	5.121	1897.	5.453
422.	5.155	1898.	5.463
423.	5.144	1899.	5.457
424.	5.174	1900.	5.436
425.	5.175	1901.	5.448
426.	5.211	1902.	5.455
427.	5.231	1903.	5.435
428.	5.214	1904.	5.412

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	5.247	1905.	5.431
430.	5.217	1906.	5.438
431.	5.231	1907.	5.384
432.	5.247	1908.	5.409
433.	5.285	1909.	5.4
434.	5.247	1910.	5.381
435.	5.271	1911.	5.401
436.	5.272	1912.	5.35
437.	5.297	1913.	5.387
438.	5.306	1914.	5.372
439.	5.3	1915.	5.393
440.	5.303	1916.	5.361
441.	5.317	1917.	5.373
442.	5.358	1918.	5.369
443.	5.375	1919.	5.351
444.	5.321	1920.	5.331
445.	5.36	1921.	5.331
446.	5.347	1922.	5.315
447.	5.37	1923.	5.381
448.	5.333	1924.	5.33
449.	5.401	1925.	5.271
450.	5.362	1926.	5.326
451.	5.42	1927.	5.3
452.	5.423	1928.	5.288
453.	5.443	1929.	5.27
454.	5.452	1930.	5.297
455.	5.454	1931.	5.291
456.	5.44	1932.	5.286
457.	5.45	1933.	5.238
458.	5.441	1934.	5.267
459.	5.488	1935.	5.269
460.	5.486	1936.	5.231
461.	5.483	1937.	5.282
462.	5.492	1938.	5.226
463.	5.538	1939.	5.231
464.	5.492	1940.	5.199
465.	5.501	1941.	5.226
466.	5.495	1942.	5.232
467.	5.527	1943.	5.234
468.	5.513	1944.	5.251
469.	5.533	1945.	5.252
470.	5.57	1946.	5.243
471.	5.573	1947.	5.206
472.	5.557	1948.	5.191
473.	5.567	1949.	5.201
474.	5.586	1950.	5.17
475.	5.589	1951.	5.162
476.	5.593	1952.	5.169
477.	5.591	1953.	5.176
478.	5.628	1954.	5.149
479.	5.664	1955.	5.163
480.	5.629	1956.	5.153
481.	5.61	1957.	5.206
482.	5.635	1958.	5.134
483.	5.627	1959.	5.176
484.	5.653	1960.	5.122
485.	5.704	1961.	5.124
486.	5.68	1962.	5.133
487.	5.666	1963.	5.113
488.	5.694	1964.	5.082
489.	5.697	1965.	5.121
490.	5.712	1966.	5.094
491.	5.706	1967.	5.119
492.	5.726	1968.	5.08
493.	5.717	1969.	5.118
494.	5.74	1970.	5.076

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	5.747	1971.	5.11
496.	5.751	1972.	5.089
497.	5.763	1973.	5.101
498.	5.771	1974.	5.062
499.	5.755	1975.	5.055
500.	5.803	1976.	5.091
501.	5.786	1977.	5.078
502.	5.8	1978.	5.058
503.	5.777	1979.	5.045
504.	5.836	1980.	5.011
505.	5.839	1981.	5.039
506.	5.853	1982.	5.004
507.	5.861	1983.	5.02
508.	5.8	1984.	5.028
509.	5.832	1985.	5.037
510.	5.889	1986.	5.034
511.	5.888	1987.	5.
512.	5.847	1988.	4.991
513.	5.865	1989.	5.011
514.	5.908	1990.	5.011
515.	5.905	1991.	4.981
516.	5.902	1992.	5.007
517.	5.935	1993.	5.007
518.	5.923	1994.	4.961
519.	5.919	1995.	4.968
520.	5.903	1996.	4.995
521.	5.943	1997.	4.948
522.	5.952	1998.	4.945
523.	5.943	1999.	4.948
524.	6.01	2000.	4.96
525.	5.934	2001.	4.917
526.	5.935	2002.	4.949
527.	5.985	2003.	4.905
528.	6.019	2004.	4.939
529.	5.975	2005.	4.866
530.	6.009	2006.	4.965
531.	5.981	2007.	4.901
532.	6.009	2008.	4.931
533.	6.075	2009.	4.912
534.	6.04	2010.	4.924
535.	5.994	2011.	4.911
536.	6.069	2012.	4.924
537.	6.041	2013.	4.845
538.	6.058	2014.	4.868
539.	6.053	2015.	4.88
540.	6.046	2016.	4.83
541.	6.074	2017.	4.905
542.	6.122	2018.	4.86
543.	6.084	2019.	4.822
544.	6.115	2020.	4.895
545.	6.113	2021.	4.835
546.	6.135	2022.	4.883
547.	6.061	2023.	4.846
548.	6.123	2024.	4.88
549.	6.146	2025.	4.851
550.	6.161	2026.	4.837
551.	6.15	2027.	4.76
552.	6.139	2028.	4.828
553.	6.129	2029.	4.815
554.	6.165	2030.	4.83
555.	6.166	2031.	4.81
556.	6.174	2032.	4.767
557.	6.207	2033.	4.772
558.	6.182	2034.	4.769
559.	6.26	2035.	4.764
560.	6.217	2036.	4.791

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	6.235	2037.	4.738
562.	6.237	2038.	4.803
563.	6.23	2039.	4.792
564.	6.244	2040.	4.766
565.	6.24	2041.	4.775
566.	6.253	2042.	4.78
567.	6.28	2043.	4.798
568.	6.243	2044.	4.758
569.	6.267	2045.	4.781
570.	6.271	2046.	4.759
571.	6.291	2047.	4.753
572.	6.335	2048.	4.75
573.	6.262	2049.	4.763
574.	6.29	2050.	4.699
575.	6.338	2051.	4.763
576.	6.289	2052.	4.699
577.	6.321	2053.	4.75
578.	6.323	2054.	4.702
579.	6.336	2055.	4.731
580.	6.321	2056.	4.714
581.	6.353	2057.	4.749
582.	6.343	2058.	4.694
583.	6.371	2059.	4.729
584.	6.346	2060.	4.735
585.	6.388	2061.	4.71
586.	6.392	2062.	4.701
587.	6.385	2063.	4.707
588.	6.428	2064.	4.743
589.	6.423	2065.	4.674
590.	6.405	2066.	4.677
591.	6.455	2067.	4.684
592.	6.417	2068.	4.663
593.	6.439	2069.	4.65
594.	6.418	2070.	4.653
595.	6.476	2071.	4.634
596.	6.448	2072.	4.639
597.	6.505	2073.	4.638
598.	6.462	2074.	4.644
599.	6.485	2075.	4.632
600.	6.484	2076.	4.641
601.	6.452	2077.	4.636
602.	6.481	2078.	4.634
603.	6.535	2079.	4.64
604.	6.505	2080.	4.643
605.	6.498	2081.	4.61
606.	6.493	2082.	4.626
607.	6.506	2083.	4.624
608.	6.548	2084.	4.603
609.	6.534	2085.	4.531
610.	6.556	2086.	4.573
611.	6.516	2087.	4.584
612.	6.519	2088.	4.601
613.	6.587	2089.	4.552
614.	6.566	2090.	4.544
615.	6.549	2091.	4.544
616.	6.556	2092.	4.601
617.	6.609	2093.	4.602
618.	6.606	2094.	4.598
619.	6.553	2095.	4.56
620.	6.568	2096.	4.584
621.	6.626	2097.	4.566
622.	6.596	2098.	4.543
623.	6.645	2099.	4.574
624.	6.625	2100.	4.511
625.	6.619	2101.	4.572
626.	6.683	2102.	4.569

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	6.66	2103.	4.538
628.	6.639	2104.	4.546
629.	6.675	2105.	4.502
630.	6.678	2106.	4.493
631.	6.678	2107.	4.486
632.	6.675	2108.	4.57
633.	6.706	2109.	4.51
634.	6.661	2110.	4.528
635.	6.686	2111.	4.507
636.	6.708	2112.	4.513
637.	6.744	2113.	4.496
638.	6.684	2114.	4.506
639.	6.716	2115.	4.49
640.	6.724	2116.	4.492
641.	6.736	2117.	4.52
642.	6.736	2118.	4.5
643.	6.727	2119.	4.518
644.	6.747	2120.	4.467
645.	6.734	2121.	4.513
646.	6.746	2122.	4.496
647.	6.764	2123.	4.48
648.	6.781	2124.	4.45
649.	6.791	2125.	4.502
650.	6.803	2126.	4.445
651.	6.792	2127.	4.451
652.	6.823	2128.	4.455
653.	6.835	2129.	4.421
654.	6.8	2130.	4.464
655.	6.825	2131.	4.445
656.	6.832	2132.	4.423
657.	6.812	2133.	4.438
658.	6.817	2134.	4.405
659.	6.83	2135.	4.412
660.	6.884	2136.	4.428
661.	6.845	2137.	4.407
662.	6.864	2138.	4.421
663.	6.873	2139.	4.399
664.	6.908	2140.	4.387
665.	6.863	2141.	4.387
666.	6.912	2142.	4.43
667.	6.88	2143.	4.388
668.	6.872	2144.	4.372
669.	6.877	2145.	4.355
670.	6.927	2146.	4.355
671.	6.937	2147.	4.392
672.	6.908	2148.	4.429
673.	6.917	2149.	4.395
674.	6.949	2150.	4.357
675.	6.938	2151.	4.396
676.	6.949	2152.	4.385
677.	6.942	2153.	4.373
678.	6.963	2154.	4.332
679.	6.979	2155.	4.344
680.	6.974	2156.	4.329
681.	6.987	2157.	4.36
682.	6.969	2158.	4.37
683.	6.968	2159.	4.344
684.	6.958	2160.	4.33
685.	7.017	2161.	4.372
686.	7.019	2162.	4.316
687.	7.012	2163.	4.345
688.	7.004	2164.	4.366
689.	6.994	2165.	4.353
690.	6.989	2166.	4.324
691.	7.005	2167.	4.303
692.	7.007	2168.	4.32

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	7.023	2169.	4.316
694.	6.967	2170.	4.32
695.	6.986	2171.	4.33
696.	7.024	2172.	4.304
697.	7.013	2173.	4.345
698.	7.022	2174.	4.337
699.	6.979	2175.	4.293
700.	7.041	2176.	4.295
701.	7.042	2177.	4.292
702.	7.056	2178.	4.273
703.	7.075	2179.	4.279
704.	7.06	2180.	4.283
705.	7.097	2181.	4.269
706.	7.078	2182.	4.284
707.	7.092	2183.	4.252
708.	7.097	2184.	4.27
709.	7.093	2185.	4.26
710.	7.096	2186.	4.264
711.	7.141	2187.	4.267
712.	7.142	2188.	4.236
713.	7.084	2189.	4.228
714.	7.157	2190.	4.252
715.	7.161	2191.	4.253
716.	7.119	2192.	4.265
717.	7.144	2193.	4.27
718.	7.151	2194.	4.215
719.	7.162	2195.	4.256
720.	7.17	2196.	4.219
721.	7.187	2197.	4.248
722.	7.22	2198.	4.231
723.	7.19	2199.	4.212
724.	7.184	2200.	4.25
725.	7.208	2201.	4.208
726.	7.163	2202.	4.198
727.	7.211	2203.	4.223
728.	7.208	2204.	4.215
729.	7.227	2205.	4.24
730.	7.24	2206.	4.224
731.	7.209	2207.	4.222
732.	7.213	2208.	4.175
733.	7.227	2209.	4.196
734.	7.225	2210.	4.18
735.	7.266	2211.	4.165
736.	7.211	2212.	4.165
737.	7.269	2213.	4.202
738.	7.257	2214.	4.184
739.	7.265	2215.	4.199
740.	7.264	2216.	4.136
741.	7.272	2217.	4.168
742.	7.263	2218.	4.179
743.	7.279	2219.	4.162
744.	7.261	2220.	4.185
745.	7.311	2221.	4.196
746.	7.303	2222.	4.148
747.	7.292	2223.	4.148
748.	7.353	2224.	4.166
749.	7.35	2225.	4.184
750.	7.335	2226.	4.125
751.	7.33	2227.	4.158
752.	7.322	2228.	4.148
753.	7.402	2229.	4.139
754.	7.342	2230.	4.169
755.	7.38	2231.	4.136
756.	7.354	2232.	4.121
757.	7.378	2233.	4.131
758.	7.393	2234.	4.122

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	7.396	2235.	4.107
760.	7.385	2236.	4.119
761.	7.411	2237.	4.125
762.	7.388	2238.	4.123
763.	7.37	2239.	4.124
764.	7.424	2240.	4.101
765.	7.42	2241.	4.124
766.	7.431	2242.	4.131
767.	7.429	2243.	4.096
768.	7.435	2244.	4.079
769.	7.404	2245.	4.106
770.	7.453	2246.	4.099
771.	7.437	2247.	4.11
772.	7.43	2248.	4.109
773.	7.449	2249.	4.09
774.	7.449	2250.	4.088
775.	7.42	2251.	4.093
776.	7.498	2252.	4.116
777.	7.497	2253.	4.072
778.	7.502	2254.	4.118
779.	7.498	2255.	4.025
780.	7.53	2256.	4.064
781.	7.495	2257.	4.072
782.	7.463	2258.	4.037
783.	7.541	2259.	4.042
784.	7.527	2260.	4.033
785.	7.542	2261.	4.066
786.	7.527	2262.	4.066
787.	7.521	2263.	4.019
788.	7.523	2264.	4.034
789.	7.538	2265.	4.013
790.	7.516	2266.	4.015
791.	7.564	2267.	4.034
792.	7.591	2268.	4.067
793.	7.594	2269.	4.064
794.	7.575	2270.	4.007
795.	7.596	2271.	4.03
796.	7.546	2272.	4.016
797.	7.612	2273.	4.036
798.	7.625	2274.	3.989
799.	7.608	2275.	4.047
800.	7.625	2276.	4.036
801.	7.619	2277.	4.013
802.	7.593	2278.	4.045
803.	7.645	2279.	4.
804.	7.598	2280.	3.999
805.	7.623	2281.	4.009
806.	7.654	2282.	4.01
807.	7.625	2283.	4.007
808.	7.662	2284.	3.974
809.	7.666	2285.	4.013
810.	7.647	2286.	3.968
811.	7.662	2287.	4.013
812.	7.694	2288.	4.006
813.	7.671	2289.	3.948
814.	7.701	2290.	3.937
815.	7.682	2291.	3.953
816.	7.719	2292.	3.996
817.	7.701	2293.	3.939
818.	7.728	2294.	3.939
819.	7.707	2295.	3.989
820.	7.712	2296.	3.948
821.	7.716	2297.	3.972
822.	7.716	2298.	3.96
823.	7.706	2299.	3.986
824.	7.736	2300.	3.956

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	7.749	2301.	3.952
826.	7.73	2302.	3.954
827.	7.775	2303.	3.951
828.	7.746	2304.	3.94
829.	7.755	2305.	3.935
830.	7.773	2306.	3.94
831.	7.762	2307.	3.962
832.	7.746	2308.	3.933
833.	7.762	2309.	3.941
834.	7.794	2310.	3.956
835.	7.755	2311.	3.932
836.	7.793	2312.	3.956
837.	7.798	2313.	3.927
838.	7.808	2314.	3.931
839.	7.82	2315.	3.935
840.	7.805	2316.	3.93
841.	7.795	2317.	3.88
842.	7.854	2318.	3.876
843.	7.806	2319.	3.906
844.	7.834	2320.	3.909
845.	7.849	2321.	3.874
846.	7.817	2322.	3.894
847.	7.873	2323.	3.886
848.	7.909	2324.	3.865
849.	7.837	2325.	3.903
850.	7.841	2326.	3.864
851.	7.84	2327.	3.875
852.	7.857	2328.	3.89
853.	7.847	2329.	3.852
854.	7.949	2330.	3.864
855.	7.854	2331.	3.848
856.	7.884	2332.	3.844
857.	7.909	2333.	3.842
858.	7.897	2334.	3.895
859.	7.906	2335.	3.844
860.	7.895	2336.	3.831
861.	7.936	2337.	3.87
862.	7.923	2338.	3.832
863.	7.917	2339.	3.846
864.	7.956	2340.	3.862
865.	7.943	2341.	3.834
866.	7.973	2342.	3.824
867.	7.954	2343.	3.875
868.	7.98	2344.	3.793
869.	7.955	2345.	3.824
870.	7.974	2346.	3.863
871.	7.997	2347.	3.798
872.	7.938	2348.	3.832
873.	7.96	2349.	3.818
874.	7.962	2350.	3.868
875.	7.971	2351.	3.805
876.	8.033	2352.	3.814
877.	8.027	2353.	3.837
878.	7.997	2354.	3.833
879.	7.987	2355.	3.828
880.	8.001	2356.	3.857
881.	8.015	2357.	3.767
882.	8.01	2358.	3.814
883.	8.018	2359.	3.807
884.	8.025	2360.	3.808
885.	8.063	2361.	3.785
886.	8.037	2362.	3.788
887.	8.037	2363.	3.771
888.	8.076	2364.	3.815
889.	8.057	2365.	3.794
890.	8.082	2366.	3.775

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	8.099	2367.	3.764
892.	8.077	2368.	3.756
893.	8.097	2369.	3.766
894.	8.096	2370.	3.748
895.	8.127	2371.	3.754
896.	8.073	2372.	3.743
897.	8.111	2373.	3.735
898.	8.129	2374.	3.739
899.	8.112	2375.	3.794
900.	8.124	2376.	3.78
901.	8.047	2377.	3.76
902.	8.114	2378.	3.755
903.	8.058	2379.	3.775
904.	8.135	2380.	3.733
905.	8.127	2381.	3.736
906.	8.089	2382.	3.701
907.	8.159	2383.	3.758
908.	8.134	2384.	3.72
909.	8.169	2385.	3.737
910.	8.194	2386.	3.713
911.	8.137	2387.	3.71
912.	8.167	2388.	3.703
913.	8.197	2389.	3.712
914.	8.21	2390.	3.721
915.	8.191	2391.	3.689
916.	8.22	2392.	3.74
917.	8.196	2393.	3.719
918.	8.212	2394.	3.745
919.	8.178	2395.	3.662
920.	8.201	2396.	3.676
921.	8.228	2397.	3.682
922.	8.187	2398.	3.699
923.	8.192	2399.	3.729
924.	8.253	2400.	3.731
925.	8.225	2401.	3.71
926.	8.213	2402.	3.714
927.	8.251	2403.	3.633
928.	8.257	2404.	3.691
929.	8.212	2405.	3.657
930.	8.243	2406.	3.695
931.	8.238	2407.	3.678
932.	8.254	2408.	3.694
933.	8.27	2409.	3.661
934.	8.272	2410.	3.681
935.	8.253	2411.	3.731
936.	8.319	2412.	3.667
937.	8.285	2413.	3.653
938.	8.265	2414.	3.654
939.	8.288	2415.	3.668
940.	8.301	2416.	3.661
941.	8.314	2417.	3.688
942.	8.337	2418.	3.666
943.	8.324	2419.	3.674
944.	8.316	2420.	3.61
945.	8.379	2421.	3.661
946.	8.325	2422.	3.615
947.	8.296	2423.	3.649
948.	8.322	2424.	3.62
949.	8.315	2425.	3.638
950.	8.334	2426.	3.663
951.	8.331	2427.	3.616
952.	8.389	2428.	3.634
953.	8.334	2429.	3.601
954.	8.382	2430.	3.624
955.	8.369	2431.	3.627
956.	8.375	2432.	3.631

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	8.343	2433.	3.621
958.	8.37	2434.	3.642
959.	8.388	2435.	3.584
960.	8.378	2436.	3.628
961.	8.424	2437.	3.571
962.	8.361	2438.	3.562
963.	8.355	2439.	3.633
964.	8.394	2440.	3.605
965.	8.401	2441.	3.599
966.	8.388	2442.	3.587
967.	8.419	2443.	3.628
968.	8.438	2444.	3.554
969.	8.405	2445.	3.575
970.	8.472	2446.	3.592
971.	8.452	2447.	3.58
972.	8.432	2448.	3.594
973.	8.436	2449.	3.587
974.	8.444	2450.	3.585
975.	8.413	2451.	3.557
976.	8.521	2452.	3.584
977.	8.457	2453.	3.569
978.	8.431	2454.	3.559
979.	8.489	2455.	3.527
980.	8.462	2456.	3.551
981.	8.485	2457.	3.586
982.	8.462	2458.	3.577
983.	8.481	2459.	3.581
984.	8.436	2460.	3.579
985.	8.457	2461.	3.566
986.	8.466	2462.	3.568
987.	8.487	2463.	3.574
988.	8.479	2464.	3.597
989.	8.508	2465.	3.541
990.	8.503	2466.	3.539
991.	8.506	2467.	3.516
992.	8.507	2468.	3.509
993.	8.518	2469.	3.513
994.	8.517	2470.	3.528
995.	8.532	2471.	3.544
996.	8.561	2472.	3.519
997.	8.527	2473.	3.507
998.	8.559	2474.	3.517
999.	8.505	2475.	3.519
1000.	8.588	2476.	3.544
1001.	8.557	2477.	3.511
1002.	8.57	2478.	3.54
1003.	8.6	2479.	3.482
1004.	8.548	2480.	3.518
1005.	8.556	2481.	3.511
1006.	8.586	2482.	3.497
1007.	8.575	2483.	3.513
1008.	8.587	2484.	3.519
1009.	8.576	2485.	3.487
1010.	8.613	2486.	3.493
1011.	8.548	2487.	3.471
1012.	8.618	2488.	3.444
1013.	8.603	2489.	3.499
1014.	8.581	2490.	3.472
1015.	8.674	2491.	3.469
1016.	8.57	2492.	3.492
1017.	8.639	2493.	3.496
1018.	8.643	2494.	3.488
1019.	8.636	2495.	3.507
1020.	8.661	2496.	3.492
1021.	8.611	2497.	3.496
1022.	8.614	2498.	3.497

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	8.651	2499.	3.46
1024.	8.65	2500.	3.445
1025.	8.625	2501.	3.452
1026.	8.686	2502.	3.454
1027.	8.668	2503.	3.443
1028.	8.633	2504.	3.45
1029.	8.641	2505.	3.435
1030.	8.662	2506.	3.454
1031.	8.67	2507.	3.478
1032.	8.666	2508.	3.454
1033.	8.705	2509.	3.434
1034.	8.699	2510.	3.44
1035.	8.691	2511.	3.416
1036.	8.7	2512.	3.428
1037.	8.688	2513.	3.426
1038.	8.687	2514.	3.451
1039.	8.7	2515.	3.402
1040.	8.684	2516.	3.412
1041.	8.703	2517.	3.411
1042.	8.744	2518.	3.433
1043.	8.728	2519.	3.4
1044.	8.739	2520.	3.425
1045.	8.739	2521.	3.424
1046.	8.747	2522.	3.401
1047.	8.735	2523.	3.388
1048.	8.727	2524.	3.401
1049.	8.734	2525.	3.418
1050.	8.754	2526.	3.391
1051.	8.762	2527.	3.4
1052.	8.777	2528.	3.364
1053.	8.78	2529.	3.414
1054.	8.742	2530.	3.388
1055.	8.742	2531.	3.371
1056.	8.822	2532.	3.4
1057.	8.763	2533.	3.35
1058.	8.802	2534.	3.382
1059.	8.799	2535.	3.318
1060.	8.81	2536.	3.334
1061.	8.765	2537.	3.411
1062.	8.793	2538.	3.353
1063.	8.787	2539.	3.39
1064.	8.757	2540.	3.389
1065.	8.783	2541.	3.372
1066.	8.824	2542.	3.354
1067.	8.815	2543.	3.35
1068.	8.793	2544.	3.369
1069.	8.818	2545.	3.378
1070.	8.799	2546.	3.33
1071.	8.823	2547.	3.343
1072.	8.873	2548.	3.335
1073.	8.849	2549.	3.344
1074.	8.824	2550.	3.374
1075.	8.864	2551.	3.356
1076.	8.83	2552.	3.327
1077.	8.862	2553.	3.357
1078.	8.898	2554.	3.311
1079.	8.882	2555.	3.311
1080.	8.842	2556.	3.322
1081.	8.894	2557.	3.33
1082.	8.901	2558.	3.313
1083.	8.87	2559.	3.292
1084.	8.88	2560.	3.31
1085.	8.818	2561.	3.323
1086.	8.899	2562.	3.334
1087.	8.876	2563.	3.293
1088.	8.909	2564.	3.292

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	8.888	2565.	3.282
1090.	8.904	2566.	3.351
1091.	8.882	2567.	3.337
1092.	8.937	2568.	3.29
1093.	8.903	2569.	3.315
1094.	8.907	2570.	3.314
1095.	8.892	2571.	3.321
1096.	8.922	2572.	3.268
1097.	8.928	2573.	3.301
1098.	8.931	2574.	3.321
1099.	8.907	2575.	3.282
1100.	8.948	2576.	3.298
1101.	8.934	2577.	3.255
1102.	8.955	2578.	3.266
1103.	8.976	2579.	3.261
1104.	8.924	2580.	3.269
1105.	8.845	2581.	3.284
1106.	8.84	2582.	3.281
1107.	8.893	2583.	3.29
1108.	8.921	2584.	3.262
1109.	8.922	2585.	3.28
1110.	8.968	2586.	3.253
1111.	8.968	2587.	3.281
1112.	8.98	2588.	3.259
1113.	8.953	2589.	3.264
1114.	8.953	2590.	3.253
1115.	8.969	2591.	3.248
1116.	9.02	2592.	3.255
1117.	8.992	2593.	3.25
1118.	8.977	2594.	3.245
1119.	9.006	2595.	3.248
1120.	9.012	2596.	3.275
1121.	8.967	2597.	3.232
1122.	9.005	2598.	3.213
1123.	9.019	2599.	3.199
1124.	9.025	2600.	3.265
1125.	9.025	2601.	3.209
1126.	9.051	2602.	3.226
1127.	9.01	2603.	3.204
1128.	9.059	2604.	3.215
1129.	9.048	2605.	3.222
1130.	9.044	2606.	3.204
1131.	9.057	2607.	3.201
1132.	9.024	2608.	3.251
1133.	9.041	2609.	3.211
1134.	9.091	2610.	3.214
1135.	9.06	2611.	3.243
1136.	9.053	2612.	3.194
1137.	9.079	2613.	3.237
1138.	9.065	2614.	3.189
1139.	9.06	2615.	3.227
1140.	9.109	2616.	3.182
1141.	9.063	2617.	3.203
1142.	9.065	2618.	3.223
1143.	9.099	2619.	3.196
1144.	9.127	2620.	3.215
1145.	9.104	2621.	3.217
1146.	9.086	2622.	3.192
1147.	9.116	2623.	3.169
1148.	9.087	2624.	3.203
1149.	9.113	2625.	3.129
1150.	9.12	2626.	3.196
1151.	9.103	2627.	3.185
1152.	9.114	2628.	3.171
1153.	9.103	2629.	3.163
1154.	9.14	2630.	3.201

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	9.143	2631.	3.168
1156.	9.132	2632.	3.146
1157.	9.106	2633.	3.173
1158.	9.132	2634.	3.18
1159.	9.132	2635.	3.146
1160.	9.085	2636.	3.204
1161.	9.156	2637.	3.147
1162.	9.17	2638.	3.144
1163.	9.168	2639.	3.169
1164.	9.131	2640.	3.171
1165.	9.135	2641.	3.15
1166.	9.196	2642.	3.109
1167.	9.171	2643.	3.144
1168.	9.165	2644.	3.155
1169.	9.165	2645.	3.108
1170.	9.176	2646.	3.152
1171.	9.186	2647.	3.139
1172.	9.183	2648.	3.121
1173.	9.165	2649.	3.1
1174.	9.253	2650.	3.111
1175.	9.178	2651.	3.102
1176.	9.194	2652.	3.104
1177.	9.18	2653.	3.14
1178.	9.215	2654.	3.135
1179.	9.207	2655.	3.129
1180.	9.178	2656.	3.108
1181.	9.207	2657.	3.118
1182.	9.224	2658.	3.107
1183.	9.23	2659.	3.113
1184.	9.218	2660.	3.114
1185.	9.227	2661.	3.122
1186.	9.196	2662.	3.09
1187.	9.225	2663.	3.084
1188.	9.267	2664.	3.085
1189.	9.225	2665.	3.089
1190.	9.24	2666.	3.113
1191.	9.256	2667.	3.094
1192.	9.293	2668.	3.128
1193.	9.287	2669.	3.115
1194.	9.281	2670.	3.099
1195.	9.261	2671.	3.097
1196.	9.269	2672.	3.107
1197.	9.222	2673.	3.116
1198.	9.268	2674.	3.079
1199.	9.261	2675.	3.095
1200.	9.321	2676.	3.059
1201.	9.268	2677.	3.067
1202.	9.248	2678.	3.084
1203.	9.294	2679.	3.039
1204.	9.275	2680.	3.008
1205.	9.322	2681.	3.102
1206.	9.285	2682.	3.069
1207.	9.293	2683.	3.047
1208.	9.339	2684.	3.027
1209.	9.3	2685.	3.069
1210.	9.321	2686.	3.037
1211.	9.274	2687.	3.074
1212.	9.33	2688.	3.098
1213.	9.32	2689.	3.075
1214.	9.311	2690.	3.023
1215.	9.293	2691.	3.03
1216.	9.331	2692.	3.025
1217.	9.344	2693.	3.03
1218.	9.343	2694.	3.008
1219.	9.361	2695.	3.065
1220.	9.335	2696.	3.04

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	9.32	2697.	3.038
1222.	9.356	2698.	3.056
1223.	9.335	2699.	2.994
1224.	9.317	2700.	3.059
1225.	9.363	2701.	3.054
1226.	9.345	2702.	3.019
1227.	9.39	2703.	3.005
1228.	9.348	2704.	2.988
1229.	9.372	2705.	2.979
1230.	9.338	2706.	3.019
1231.	9.382	2707.	2.988
1232.	9.357	2708.	3.015
1233.	9.38	2709.	2.993
1234.	9.364	2710.	3.003
1235.	9.309	2711.	3.039
1236.	9.395	2712.	3.028
1237.	9.355	2713.	3.008
1238.	9.366	2714.	3.005
1239.	9.364	2715.	3.015
1240.	9.4	2716.	2.945
1241.	9.373	2717.	2.985
1242.	9.392	2718.	2.957
1243.	9.408	2719.	3.018
1244.	9.396	2720.	2.995
1245.	9.411	2721.	2.971
1246.	9.405	2722.	2.965
1247.	9.398	2723.	2.994
1248.	9.398	2724.	3.003
1249.	9.385	2725.	3.027
1250.	9.419	2726.	2.966
1251.	9.409	2727.	2.979
1252.	9.435	2728.	2.982
1253.	9.364	2729.	2.989
1254.	9.416	2730.	2.935
1255.	9.431	2731.	3.018
1256.	9.414	2732.	2.973
1257.	9.423	2733.	2.972
1258.	9.424	2734.	2.927
1259.	9.415	2735.	2.998
1260.	9.41	2736.	2.993
1261.	9.434	2737.	2.955
1262.	9.454	2738.	3.002
1263.	9.49	2739.	2.963
1264.	9.414	2740.	2.986
1265.	9.405	2741.	2.967
1266.	9.428	2742.	2.957
1267.	9.439	2743.	2.924
1268.	9.459	2744.	2.945
1269.	9.452	2745.	2.933
1270.	9.457	2746.	2.94
1271.	9.47	2747.	2.945
1272.	9.457	2748.	2.95
1273.	9.427	2749.	2.951
1274.	9.467	2750.	2.905
1275.	9.464	2751.	2.931
1276.	9.476	2752.	2.927
1277.	9.47	2753.	2.942
1278.	9.472	2754.	2.943
1279.	9.475	2755.	2.921
1280.	9.478	2756.	2.933
1281.	9.504	2757.	2.881
1282.	9.51	2758.	2.915
1283.	9.474	2759.	2.893
1284.	9.487	2760.	2.89
1285.	9.476	2761.	2.906
1286.	9.508	2762.	2.9

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	9.473	2763.	2.915
1288.	9.49	2764.	2.896
1289.	9.478	2765.	2.909
1290.	9.508	2766.	2.918
1291.	9.514	2767.	2.887
1292.	9.533	2768.	2.873
1293.	9.502	2769.	2.88
1294.	9.487	2770.	2.893
1295.	9.537	2771.	2.892
1296.	9.494	2772.	2.905
1297.	9.552	2773.	2.891
1298.	9.498	2774.	2.861
1299.	9.515	2775.	2.869
1300.	9.526	2776.	2.874
1301.	9.54	2777.	2.873
1302.	9.543	2778.	2.851
1303.	9.548	2779.	2.896
1304.	9.583	2780.	2.866
1305.	9.526	2781.	2.874
1306.	9.545	2782.	2.858
1307.	9.576	2783.	2.865
1308.	9.595	2784.	2.868
1309.	9.522	2785.	2.885
1310.	9.575	2786.	2.885
1311.	9.577	2787.	2.858
1312.	9.552	2788.	2.867
1313.	9.572	2789.	2.907
1314.	9.583	2790.	2.859
1315.	9.576	2791.	2.884
1316.	9.566	2792.	2.834
1317.	9.565	2793.	2.838
1318.	9.597	2794.	2.837
1319.	9.572	2795.	2.884
1320.	9.566	2796.	2.822
1321.	9.601	2797.	2.838
1322.	9.638	2798.	2.831
1323.	9.625	2799.	2.843
1324.	9.628	2800.	2.828
1325.	9.574	2801.	2.859
1326.	9.602	2802.	2.834
1327.	9.611	2803.	2.861
1328.	9.624	2804.	2.861
1329.	9.641	2805.	2.843
1330.	9.588	2806.	2.818
1331.	9.602	2807.	2.81
1332.	9.635	2808.	2.822
1333.	9.62	2809.	2.803
1334.	9.66	2810.	2.783
1335.	9.655	2811.	2.799
1336.	9.627	2812.	2.793
1337.	9.652	2813.	2.796
1338.	9.647	2814.	2.835
1339.	9.658	2815.	2.806
1340.	9.601	2816.	2.79
1341.	9.654	2817.	2.765
1342.	9.661	2818.	2.797
1343.	9.68	2819.	2.798
1344.	9.681	2820.	2.823
1345.	9.669	2821.	2.797
1346.	9.652	2822.	2.806
1347.	9.679	2823.	2.781
1348.	9.669	2824.	2.786
1349.	9.643	2825.	2.801
1350.	9.667	2826.	2.824
1351.	9.692	2827.	2.842
1352.	9.719	2828.	2.795

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	9.646	2829.	2.781
1354.	9.702	2830.	2.828
1355.	9.711	2831.	2.788
1356.	9.718	2832.	2.753
1357.	9.695	2833.	2.845
1358.	9.676	2834.	2.814
1359.	9.713	2835.	2.784
1360.	9.703	2836.	2.772
1361.	9.709	2837.	2.78
1362.	9.73	2838.	2.797
1363.	9.759	2839.	2.778
1364.	9.694	2840.	2.764
1365.	9.702	2841.	2.774
1366.	9.774	2842.	2.81
1367.	9.73	2843.	2.775
1368.	9.739	2844.	2.77
1369.	9.732	2845.	2.798
1370.	9.757	2846.	2.736
1371.	9.741	2847.	2.76
1372.	9.743	2848.	2.733
1373.	9.779	2849.	2.77
1374.	9.712	2850.	2.765
1375.	9.748	2851.	2.777
1376.	9.759	2852.	2.782
1377.	9.749	2853.	2.755
1378.	9.804	2854.	2.798
1379.	9.784	2855.	2.744
1380.	9.742	2856.	2.776
1381.	9.755	2857.	2.711
1382.	9.8	2858.	2.795
1383.	9.78	2859.	2.74
1384.	9.794	2860.	2.738
1385.	9.83	2861.	2.745
1386.	9.791	2862.	2.732
1387.	9.819	2863.	2.768
1388.	9.826	2864.	2.729
1389.	9.749	2865.	2.707
1390.	9.792	2866.	2.737
1391.	9.825	2867.	2.717
1392.	9.828	2868.	2.735
1393.	9.816	2869.	2.761
1394.	9.861	2870.	2.751
1395.	9.825	2871.	2.726
1396.	9.868	2872.	2.734
1397.	9.843	2873.	2.701
1398.	9.79	2874.	2.753
1399.	9.846	2875.	2.735
1400.	9.806	2876.	2.716
1401.	9.857	2877.	2.736
1402.	9.871	2878.	2.737
1403.	9.831	2879.	2.715
1404.	9.838	2880.	2.693
1405.	9.871	2881.	2.706
1406.	9.852	2882.	2.757
1407.	9.852	2883.	2.704
1408.	9.864	2884.	2.722
1409.	9.883	2885.	2.711
1410.	9.897	2886.	2.73
1411.	9.869	2887.	2.709
1412.	9.836	2888.	2.726
1413.	9.895	2889.	2.726
1414.	9.887	2890.	2.706
1415.	9.851	2891.	2.722
1416.	9.899	2892.	2.655
1417.	9.899	2893.	2.682
1418.	9.908	2894.	2.663

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	9.92	2895.	2.705
1420.	9.898	2896.	2.711
1421.	9.896	2897.	2.653
1422.	9.888	2898.	2.732
1423.	9.925	2899.	2.672
1424.	9.942	2900.	2.712
1425.	9.934	2901.	2.713
1426.	9.91	2902.	2.654
1427.	9.929	2903.	2.673
1428.	9.95	2904.	2.7
1429.	9.907	2905.	2.698
1430.	9.936	2906.	2.668
1431.	9.979	2907.	2.675
1432.	9.922	2908.	2.645
1433.	9.972	2909.	2.705
1434.	9.972	2910.	2.665
1435.	9.938	2911.	2.675
1436.	10.	2912.	2.671
1437.	9.959	2913.	2.7
1438.	9.974	2914.	2.678
1439.	9.968	2915.	2.678
1440.	9.987	2916.	2.655
1441.	9.947	2917.	2.69
1442.	9.982	2918.	2.668
1443.	9.969	2919.	2.672
1444.	9.982	2920.	2.649
1445.	10.02	2921.	2.67
1446.	10.01	2922.	2.673
1447.	9.983	2923.	2.648
1448.	9.993	2924.	2.71
1449.	10.03	2925.	2.677
1450.	9.979	2926.	2.636
1451.	9.985	2927.	2.646
1452.	9.971	2928.	2.657
1453.	9.942	2929.	2.65
1454.	9.965	2930.	2.649
1455.	9.978	2931.	2.597
1456.	9.936	2932.	2.656
1457.	9.916	2933.	2.654
1458.	9.849	2934.	2.622
1459.	9.949	2935.	2.628
1460.	9.885	2936.	2.625
1461.	9.89	2937.	2.634
1462.	9.844	2938.	2.62
1463.	9.841	2939.	2.64
1464.	9.835	2940.	2.624
1465.	9.822	2941.	2.594
1466.	9.791	2942.	2.622
1467.	9.781	2943.	2.679
1468.	9.785	2944.	2.621
1469.	9.762	2945.	2.621
1470.	9.728	2946.	2.62
1471.	9.735	2947.	2.645
1472.	9.705	2948.	2.611
1473.	9.695	2949.	2.616
1474.	9.674	2950.	2.618
1475.	9.614	2951.	2.622
1476.	9.658		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	2064.	ft^2/day
S	7.515E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 25.8 ft/day (0.009101 cm/sec)
Ss = S/b = 9.393E-7 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1329.8	0.9709	+/- 1.904	1369.6	ft^2/day
S	0.0001803	2.053E-7	+/- 4.027E-7	877.9	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.62 ft/day (0.005864 cm/sec)
Ss = S/b = 2.254E-6 1/ft

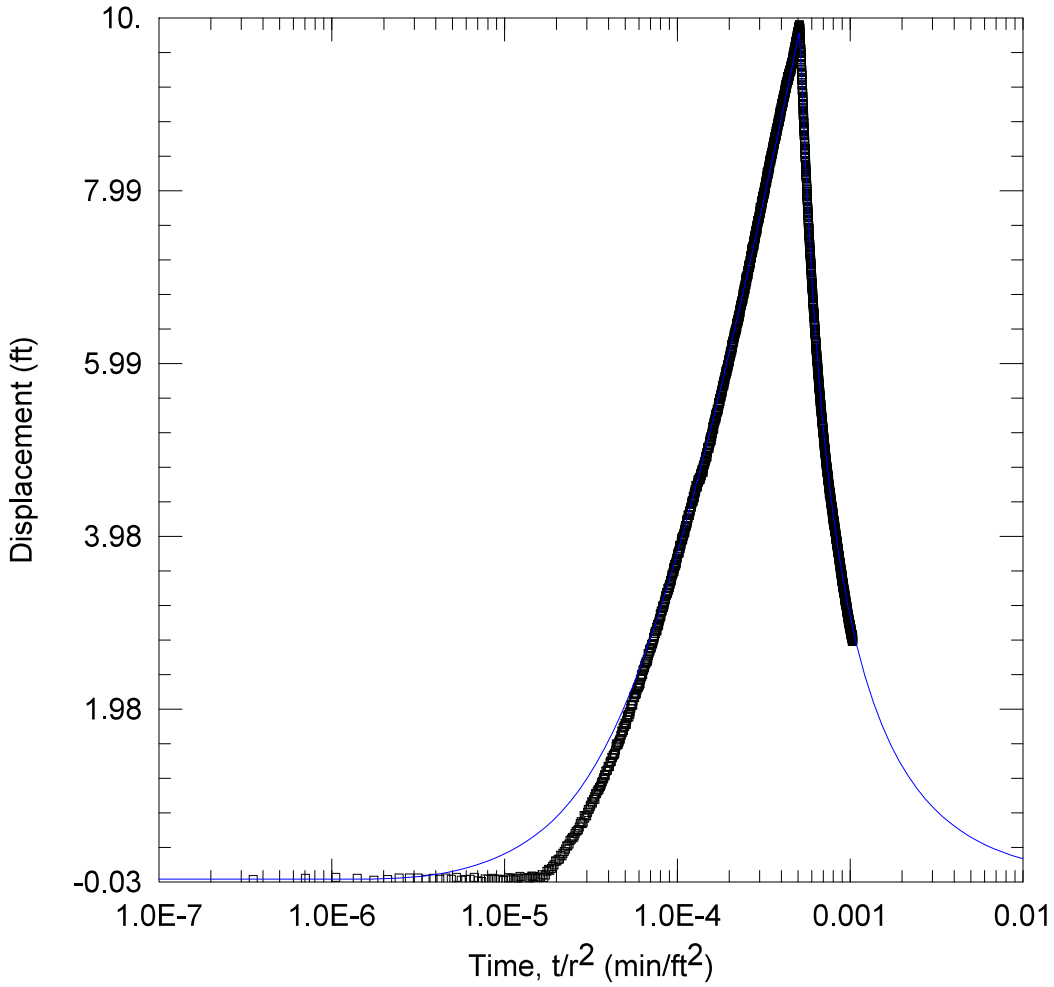
Parameter Correlations

	T	S
T	1.00	-0.75
S	-0.75	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 31.86 ft^2
Variance . . . . . 0.0108 ft^2
Std. Deviation . . . . . 0.1039 ft
Mean . . . . . -0.03213 ft
No. of Residuals 2951
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW2.aqt
Date: 04/11/25 Time: 11:39:07

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW2B	2561	1777

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1255.8 ft^2/day
S = 0.0001945
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 09:45:51

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW2B

X Location: 2561. ft
Y Location: 1777. ft

Radial distance from BM 1B: 1685.823834 ft
Radial distance from BM2A: 1361.547649 ft
Radial distance from BM3: 2178.205684 ft
Radial distance from BM 4 : 1963.558504 ft
Radial distance from BM5: 1846.819157 ft
Radial distance from BM 6: 1611.226241 ft
Radial distance from BM7: 1244.544093 ft
Radial distance from BM9: 580.8967206 ft

Fully Penetrating Well

No. of Observations: 2946

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.005691	1474.	9.616
2.	0.01036	1475.	9.614
3.	0.02187	1476.	9.599
4.	0.00935	1477.	9.595
5.	-0.01206	1478.	9.563
6.	-0.004604	1479.	9.552
7.	0.01387	1480.	9.543
8.	0.01417	1481.	9.513
9.	0.01417	1482.	9.496
10.	-0.001319	1483.	9.494
11.	0.011	1484.	9.449
12.	-0.001735	1485.	9.463
13.	0.01364	1486.	9.446
14.	0.000435	1487.	9.458
15.	0.0212	1488.	9.429
16.	-0.0109	1489.	9.402
17.	-0.004135	1490.	9.402
18.	0.001393	1491.	9.398
19.	0.02056	1492.	9.383
20.	-0.01722	1493.	9.339
21.	-0.02539	1494.	9.343
22.	0.004446	1495.	9.306
23.	0.001831	1496.	9.34
24.	0.01078	1497.	9.283
25.	0.002448	1498.	9.29
26.	0.002745	1499.	9.277
27.	-0.000539	1500.	9.28
28.	-0.01476	1501.	9.277
29.	-0.006143	1502.	9.226
30.	0.01734	1503.	9.213
31.	0.006327	1504.	9.213
32.	0.002965	1505.	9.157

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	-0.00666	1506.	9.156
34.	0.01566	1507.	9.151
35.	0.0323	1508.	9.148
36.	0.008833	1509.	9.134
37.	0.01396	1510.	9.124
38.	0.008833	1511.	9.091
39.	0.01364	1512.	9.086
40.	0.01803	1513.	9.091
41.	0.03598	1514.	9.074
42.	0.0344	1515.	9.057
43.	0.006121	1516.	9.033
44.	0.0108	1517.	9.009
45.	0.02456	1518.	9.003
46.	0.02782	1519.	8.987
47.	0.05466	1520.	8.999
48.	0.02518	1521.	8.944
49.	0.04971	1522.	8.922
50.	0.09429	1523.	8.955
51.	0.1132	1524.	8.892
52.	0.1023	1525.	8.895
53.	0.1265	1526.	8.859
54.	0.1472	1527.	8.879
55.	0.1683	1528.	8.86
56.	0.2104	1529.	8.87
57.	0.2102	1530.	8.826
58.	0.2309	1531.	8.846
59.	0.2323	1532.	8.782
60.	0.2791	1533.	8.805
61.	0.2702	1534.	8.788
62.	0.302	1535.	8.79
63.	0.3216	1536.	8.739
64.	0.3495	1537.	8.727
65.	0.3865	1538.	8.731
66.	0.3872	1539.	8.715
67.	0.4068	1540.	8.711
68.	0.4487	1541.	8.677
69.	0.4629	1542.	8.703
70.	0.4813	1543.	8.693
71.	0.4834	1544.	8.673
72.	0.5022	1545.	8.632
73.	0.5322	1546.	8.635
74.	0.5545	1547.	8.634
75.	0.5662	1548.	8.603
76.	0.5757	1549.	8.593
77.	0.6054	1550.	8.568
78.	0.6459	1551.	8.549
79.	0.6687	1552.	8.539
80.	0.647	1553.	8.555
81.	0.6578	1554.	8.512
82.	0.7397	1555.	8.482
83.	0.7085	1556.	8.488
84.	0.7375	1557.	8.48
85.	0.7367	1558.	8.472
86.	0.7762	1559.	8.485
87.	0.8102	1560.	8.486
88.	0.8127	1561.	8.426
89.	0.8443	1562.	8.434
90.	0.865	1563.	8.384
91.	0.8989	1564.	8.388
92.	0.8856	1565.	8.378
93.	0.9245	1566.	8.372
94.	0.9552	1567.	8.367
95.	0.9298	1568.	8.341
96.	0.991	1569.	8.323
97.	0.9957	1570.	8.324
98.	1.021	1571.	8.3

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	1.041	1572.	8.304
100.	1.035	1573.	8.286
101.	1.063	1574.	8.276
102.	1.078	1575.	8.26
103.	1.095	1576.	8.24
104.	1.12	1577.	8.21
105.	1.138	1578.	8.214
106.	1.162	1579.	8.253
107.	1.18	1580.	8.215
108.	1.211	1581.	8.181
109.	1.203	1582.	8.21
110.	1.252	1583.	8.183
111.	1.264	1584.	8.169
112.	1.265	1585.	8.15
113.	1.31	1586.	8.155
114.	1.307	1587.	8.13
115.	1.307	1588.	8.138
116.	1.352	1589.	8.096
117.	1.37	1590.	8.075
118.	1.366	1591.	8.06
119.	1.414	1592.	8.053
120.	1.41	1593.	8.038
121.	1.436	1594.	8.042
122.	1.446	1595.	8.023
123.	1.453	1596.	8.057
124.	1.465	1597.	7.988
125.	1.495	1598.	8.013
126.	1.545	1599.	8.005
127.	1.573	1600.	7.981
128.	1.565	1601.	7.946
129.	1.561	1602.	7.936
130.	1.581	1603.	7.951
131.	1.594	1604.	7.923
132.	1.614	1605.	7.907
133.	1.625	1606.	7.925
134.	1.664	1607.	7.872
135.	1.674	1608.	7.886
136.	1.721	1609.	7.885
137.	1.707	1610.	7.872
138.	1.758	1611.	7.84
139.	1.726	1612.	7.808
140.	1.78	1613.	7.838
141.	1.772	1614.	7.794
142.	1.812	1615.	7.779
143.	1.799	1616.	7.791
144.	1.799	1617.	7.775
145.	1.843	1618.	7.805
146.	1.895	1619.	7.752
147.	1.877	1620.	7.756
148.	1.909	1621.	7.732
149.	1.886	1622.	7.756
150.	1.942	1623.	7.737
151.	1.915	1624.	7.726
152.	1.948	1625.	7.705
153.	1.986	1626.	7.699
154.	2.014	1627.	7.703
155.	2.032	1628.	7.661
156.	2.026	1629.	7.631
157.	2.021	1630.	7.655
158.	2.071	1631.	7.647
159.	2.108	1632.	7.611
160.	2.126	1633.	7.609
161.	2.11	1634.	7.615
162.	2.145	1635.	7.597
163.	2.151	1636.	7.586
164.	2.163	1637.	7.59

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	2.15	1638.	7.56
166.	2.188	1639.	7.56
167.	2.215	1640.	7.568
168.	2.227	1641.	7.55
169.	2.23	1642.	7.532
170.	2.231	1643.	7.543
171.	2.267	1644.	7.492
172.	2.252	1645.	7.481
173.	2.271	1646.	7.465
174.	2.323	1647.	7.476
175.	2.32	1648.	7.474
176.	2.372	1649.	7.472
177.	2.353	1650.	7.44
178.	2.382	1651.	7.465
179.	2.379	1652.	7.424
180.	2.423	1653.	7.416
181.	2.427	1654.	7.44
182.	2.438	1655.	7.404
183.	2.451	1656.	7.39
184.	2.464	1657.	7.383
185.	2.486	1658.	7.349
186.	2.501	1659.	7.377
187.	2.506	1660.	7.342
188.	2.524	1661.	7.379
189.	2.522	1662.	7.357
190.	2.547	1663.	7.314
191.	2.531	1664.	7.333
192.	2.554	1665.	7.3
193.	2.618	1666.	7.296
194.	2.594	1667.	7.3
195.	2.623	1668.	7.269
196.	2.635	1669.	7.285
197.	2.663	1670.	7.255
198.	2.649	1671.	7.253
199.	2.68	1672.	7.258
200.	2.682	1673.	7.236
201.	2.689	1674.	7.268
202.	2.726	1675.	7.208
203.	2.718	1676.	7.22
204.	2.732	1677.	7.237
205.	2.737	1678.	7.185
206.	2.759	1679.	7.198
207.	2.807	1680.	7.18
208.	2.787	1681.	7.16
209.	2.813	1682.	7.149
210.	2.823	1683.	7.133
211.	2.852	1684.	7.163
212.	2.872	1685.	7.136
213.	2.855	1686.	7.152
214.	2.88	1687.	7.119
215.	2.895	1688.	7.101
216.	2.924	1689.	7.085
217.	2.883	1690.	7.083
218.	2.954	1691.	7.074
219.	2.94	1692.	7.072
220.	2.938	1693.	7.074
221.	2.968	1694.	7.013
222.	2.948	1695.	7.063
223.	2.986	1696.	7.046
224.	3.004	1697.	7.021
225.	3.024	1698.	7.058
226.	3.03	1699.	7.015
227.	3.08	1700.	6.987
228.	3.049	1701.	6.985
229.	3.054	1702.	6.998
230.	3.116	1703.	6.987

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	3.104	1704.	6.953
232.	3.112	1705.	6.968
233.	3.121	1706.	6.949
234.	3.15	1707.	6.935
235.	3.176	1708.	6.93
236.	3.158	1709.	6.927
237.	3.156	1710.	6.913
238.	3.173	1711.	6.913
239.	3.193	1712.	6.889
240.	3.216	1713.	6.898
241.	3.227	1714.	6.861
242.	3.247	1715.	6.879
243.	3.252	1716.	6.87
244.	3.289	1717.	6.857
245.	3.293	1718.	6.839
246.	3.301	1719.	6.844
247.	3.331	1720.	6.824
248.	3.32	1721.	6.85
249.	3.319	1722.	6.822
250.	3.332	1723.	6.797
251.	3.374	1724.	6.812
252.	3.377	1725.	6.8
253.	3.357	1726.	6.769
254.	3.386	1727.	6.788
255.	3.386	1728.	6.763
256.	3.41	1729.	6.791
257.	3.422	1730.	6.712
258.	3.425	1731.	6.759
259.	3.428	1732.	6.742
260.	3.471	1733.	6.739
261.	3.462	1734.	6.699
262.	3.459	1735.	6.706
263.	3.488	1736.	6.691
264.	3.507	1737.	6.694
265.	3.538	1738.	6.688
266.	3.53	1739.	6.692
267.	3.539	1740.	6.67
268.	3.545	1741.	6.676
269.	3.562	1742.	6.659
270.	3.591	1743.	6.646
271.	3.615	1744.	6.623
272.	3.571	1745.	6.62
273.	3.607	1746.	6.627
274.	3.622	1747.	6.655
275.	3.644	1748.	6.591
276.	3.655	1749.	6.588
277.	3.66	1750.	6.603
278.	3.635	1751.	6.583
279.	3.676	1752.	6.561
280.	3.661	1753.	6.581
281.	3.697	1754.	6.586
282.	3.707	1755.	6.547
283.	3.731	1756.	6.568
284.	3.724	1757.	6.53
285.	3.775	1758.	6.539
286.	3.772	1759.	6.536
287.	3.775	1760.	6.557
288.	3.789	1761.	6.508
289.	3.788	1762.	6.518
290.	3.804	1763.	6.517
291.	3.785	1764.	6.521
292.	3.814	1765.	6.47
293.	3.872	1766.	6.452
294.	3.842	1767.	6.462
295.	3.839	1768.	6.462
296.	3.866	1769.	6.45

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	3.859	1770.	6.463
298.	3.876	1771.	6.446
299.	3.888	1772.	6.448
300.	3.919	1773.	6.432
301.	3.925	1774.	6.445
302.	3.959	1775.	6.421
303.	3.944	1776.	6.425
304.	3.947	1777.	6.383
305.	3.937	1778.	6.395
306.	3.975	1779.	6.35
307.	3.973	1780.	6.38
308.	3.99	1781.	6.386
309.	3.997	1782.	6.351
310.	3.987	1783.	6.339
311.	4.013	1784.	6.346
312.	4.022	1785.	6.347
313.	4.049	1786.	6.339
314.	4.058	1787.	6.323
315.	4.025	1788.	6.352
316.	4.082	1789.	6.316
317.	4.078	1790.	6.32
318.	4.103	1791.	6.281
319.	4.102	1792.	6.289
320.	4.108	1793.	6.281
321.	4.1	1794.	6.303
322.	4.153	1795.	6.274
323.	4.171	1796.	6.276
324.	4.131	1797.	6.25
325.	4.154	1798.	6.255
326.	4.154	1799.	6.232
327.	4.176	1800.	6.234
328.	4.194	1801.	6.233
329.	4.229	1802.	6.24
330.	4.238	1803.	6.237
331.	4.238	1804.	6.231
332.	4.231	1805.	6.166
333.	4.227	1806.	6.196
334.	4.225	1807.	6.188
335.	4.257	1808.	6.19
336.	4.272	1809.	6.186
337.	4.277	1810.	6.178
338.	4.279	1811.	6.149
339.	4.289	1812.	6.143
340.	4.309	1813.	6.132
341.	4.319	1814.	6.118
342.	4.317	1815.	6.119
343.	4.33	1816.	6.128
344.	4.356	1817.	6.126
345.	4.361	1818.	6.084
346.	4.374	1819.	6.123
347.	4.391	1820.	6.117
348.	4.397	1821.	6.075
349.	4.388	1822.	6.091
350.	4.382	1823.	6.048
351.	4.446	1824.	6.059
352.	4.397	1825.	6.085
353.	4.415	1826.	6.076
354.	4.44	1827.	6.064
355.	4.428	1828.	6.034
356.	4.429	1829.	6.029
357.	4.478	1830.	6.037
358.	4.487	1831.	6.031
359.	4.502	1832.	6.031
360.	4.474	1833.	6.01
361.	4.528	1834.	6.013
362.	4.495	1835.	6.008

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	4.5	1836.	6.021
364.	4.518	1837.	6.01
365.	4.575	1838.	5.994
366.	4.571	1839.	5.961
367.	4.553	1840.	5.989
368.	4.561	1841.	5.992
369.	4.569	1842.	5.956
370.	4.551	1843.	5.953
371.	4.559	1844.	5.95
372.	4.582	1845.	5.943
373.	4.607	1846.	5.982
374.	4.599	1847.	5.93
375.	4.63	1848.	5.928
376.	4.605	1849.	5.933
377.	4.641	1850.	5.913
378.	4.628	1851.	5.903
379.	4.627	1852.	5.899
380.	4.648	1853.	5.892
381.	4.644	1854.	5.881
382.	4.641	1855.	5.885
383.	4.658	1856.	5.869
384.	4.666	1857.	5.861
385.	4.643	1858.	5.868
386.	4.65	1859.	5.859
387.	4.67	1860.	5.848
388.	4.706	1861.	5.852
389.	4.711	1862.	5.858
390.	4.696	1863.	5.83
391.	4.682	1864.	5.817
392.	4.694	1865.	5.84
393.	4.725	1866.	5.821
394.	4.752	1867.	5.809
395.	4.716	1868.	5.812
396.	4.731	1869.	5.807
397.	4.745	1870.	5.754
398.	4.763	1871.	5.776
399.	4.752	1872.	5.793
400.	4.743	1873.	5.793
401.	4.72	1874.	5.759
402.	4.787	1875.	5.768
403.	4.782	1876.	5.734
404.	4.772	1877.	5.752
405.	4.799	1878.	5.755
406.	4.811	1879.	5.735
407.	4.813	1880.	5.746
408.	4.841	1881.	5.702
409.	4.831	1882.	5.703
410.	4.836	1883.	5.755
411.	4.851	1884.	5.718
412.	4.843	1885.	5.726
413.	4.868	1886.	5.698
414.	4.885	1887.	5.688
415.	4.903	1888.	5.691
416.	4.886	1889.	5.684
417.	4.878	1890.	5.684
418.	4.909	1891.	5.67
419.	4.92	1892.	5.648
420.	4.9	1893.	5.652
421.	4.947	1894.	5.669
422.	4.949	1895.	5.657
423.	4.903	1896.	5.634
424.	4.957	1897.	5.668
425.	4.952	1898.	5.636
426.	4.991	1899.	5.63
427.	5.011	1900.	5.606
428.	4.994	1901.	5.604

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	4.999	1902.	5.624
430.	5.002	1903.	5.616
431.	5.005	1904.	5.583
432.	5.01	1905.	5.616
433.	5.022	1906.	5.605
434.	5.	1907.	5.593
435.	5.042	1908.	5.577
436.	5.038	1909.	5.596
437.	5.077	1910.	5.547
438.	5.084	1911.	5.57
439.	5.059	1912.	5.545
440.	5.077	1913.	5.545
441.	5.114	1914.	5.551
442.	5.093	1915.	5.506
443.	5.098	1916.	5.53
444.	5.129	1917.	5.538
445.	5.086	1918.	5.503
446.	5.14	1919.	5.513
447.	5.096	1920.	5.498
448.	5.143	1921.	5.49
449.	5.145	1922.	5.507
450.	5.137	1923.	5.509
451.	5.162	1924.	5.518
452.	5.185	1925.	5.465
453.	5.172	1926.	5.461
454.	5.2	1927.	5.472
455.	5.193	1928.	5.475
456.	5.21	1929.	5.472
457.	5.244	1930.	5.469
458.	5.253	1931.	5.456
459.	5.224	1932.	5.47
460.	5.257	1933.	5.478
461.	5.257	1934.	5.451
462.	5.224	1935.	5.42
463.	5.267	1936.	5.435
464.	5.302	1937.	5.427
465.	5.285	1938.	5.417
466.	5.302	1939.	5.439
467.	5.313	1940.	5.409
468.	5.31	1941.	5.385
469.	5.319	1942.	5.402
470.	5.343	1943.	5.388
471.	5.321	1944.	5.415
472.	5.35	1945.	5.416
473.	5.347	1946.	5.397
474.	5.361	1947.	5.357
475.	5.396	1948.	5.377
476.	5.373	1949.	5.374
477.	5.347	1950.	5.368
478.	5.388	1951.	5.363
479.	5.377	1952.	5.358
480.	5.405	1953.	5.343
481.	5.414	1954.	5.36
482.	5.421	1955.	5.313
483.	5.419	1956.	5.345
484.	5.456	1957.	5.308
485.	5.434	1958.	5.309
486.	5.445	1959.	5.324
487.	5.422	1960.	5.345
488.	5.449	1961.	5.286
489.	5.456	1962.	5.309
490.	5.487	1963.	5.312
491.	5.447	1964.	5.303
492.	5.53	1965.	5.277
493.	5.493	1966.	5.258
494.	5.508	1967.	5.3

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	5.489	1968.	5.291
496.	5.524	1969.	5.267
497.	5.522	1970.	5.25
498.	5.519	1971.	5.248
499.	5.54	1972.	5.249
500.	5.574	1973.	5.26
501.	5.572	1974.	5.248
502.	5.57	1975.	5.263
503.	5.541	1976.	5.25
504.	5.58	1977.	5.197
505.	5.6	1978.	5.22
506.	5.601	1979.	5.215
507.	5.619	1980.	5.212
508.	5.595	1981.	5.214
509.	5.602	1982.	5.184
510.	5.625	1983.	5.217
511.	5.635	1984.	5.219
512.	5.662	1985.	5.22
513.	5.674	1986.	5.201
514.	5.662	1987.	5.176
515.	5.648	1988.	5.185
516.	5.65	1989.	5.175
517.	5.667	1990.	5.187
518.	5.695	1991.	5.206
519.	5.693	1992.	5.143
520.	5.696	1993.	5.162
521.	5.722	1994.	5.125
522.	5.716	1995.	5.149
523.	5.727	1996.	5.142
524.	5.734	1997.	5.124
525.	5.736	1998.	5.135
526.	5.747	1999.	5.12
527.	5.763	2000.	5.146
528.	5.762	2001.	5.13
529.	5.733	2002.	5.09
530.	5.781	2003.	5.101
531.	5.768	2004.	5.117
532.	5.795	2005.	5.122
533.	5.798	2006.	5.082
534.	5.787	2007.	5.115
535.	5.785	2008.	5.083
536.	5.802	2009.	5.08
537.	5.831	2010.	5.051
538.	5.839	2011.	5.069
539.	5.837	2012.	5.066
540.	5.836	2013.	5.076
541.	5.85	2014.	5.077
542.	5.869	2015.	5.03
543.	5.863	2016.	5.08
544.	5.89	2017.	5.063
545.	5.899	2018.	5.054
546.	5.872	2019.	5.007
547.	5.87	2020.	5.01
548.	5.91	2021.	5.036
549.	5.896	2022.	5.016
550.	5.915	2023.	5.015
551.	5.918	2024.	5.018
552.	5.896	2025.	4.998
553.	5.927	2026.	5.013
554.	5.942	2027.	5.009
555.	5.956	2028.	5.021
556.	5.961	2029.	5.016
557.	5.947	2030.	5.004
558.	5.942	2031.	4.987
559.	5.96	2032.	4.979
560.	5.98	2033.	4.981

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	5.98	2034.	4.99
562.	6.014	2035.	4.978
563.	5.999	2036.	4.955
564.	6.002	2037.	4.966
565.	6.029	2038.	4.969
566.	6.011	2039.	4.969
567.	6.003	2040.	4.954
568.	6.003	2041.	4.946
569.	6.046	2042.	4.934
570.	6.043	2043.	4.936
571.	6.058	2044.	4.939
572.	6.075	2045.	4.939
573.	6.068	2046.	4.962
574.	6.06	2047.	4.903
575.	6.082	2048.	4.933
576.	6.107	2049.	4.909
577.	6.123	2050.	4.901
578.	6.079	2051.	4.923
579.	6.123	2052.	4.884
580.	6.116	2053.	4.901
581.	6.115	2054.	4.867
582.	6.099	2055.	4.899
583.	6.139	2056.	4.881
584.	6.139	2057.	4.893
585.	6.149	2058.	4.868
586.	6.15	2059.	4.865
587.	6.197	2060.	4.857
588.	6.208	2061.	4.872
589.	6.139	2062.	4.859
590.	6.179	2063.	4.88
591.	6.171	2064.	4.84
592.	6.179	2065.	4.853
593.	6.219	2066.	4.861
594.	6.206	2067.	4.821
595.	6.218	2068.	4.849
596.	6.243	2069.	4.85
597.	6.24	2070.	4.829
598.	6.247	2071.	4.799
599.	6.236	2072.	4.831
600.	6.222	2073.	4.818
601.	6.239	2074.	4.821
602.	6.266	2075.	4.806
603.	6.265	2076.	4.8
604.	6.265	2077.	4.84
605.	6.283	2078.	4.79
606.	6.325	2079.	4.785
607.	6.303	2080.	4.779
608.	6.305	2081.	4.809
609.	6.296	2082.	4.784
610.	6.328	2083.	4.791
611.	6.333	2084.	4.791
612.	6.325	2085.	4.762
613.	6.317	2086.	4.748
614.	6.354	2087.	4.787
615.	6.347	2088.	4.748
616.	6.354	2089.	4.743
617.	6.376	2090.	4.752
618.	6.361	2091.	4.73
619.	6.37	2092.	4.772
620.	6.348	2093.	4.752
621.	6.381	2094.	4.731
622.	6.379	2095.	4.743
623.	6.395	2096.	4.753
624.	6.38	2097.	4.723
625.	6.4	2098.	4.732
626.	6.428	2099.	4.726

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	6.429	2100.	4.73
628.	6.399	2101.	4.716
629.	6.414	2102.	4.708
630.	6.453	2103.	4.717
631.	6.461	2104.	4.723
632.	6.459	2105.	4.724
633.	6.469	2106.	4.7
634.	6.462	2107.	4.694
635.	6.453	2108.	4.678
636.	6.491	2109.	4.689
637.	6.48	2110.	4.688
638.	6.473	2111.	4.669
639.	6.479	2112.	4.705
640.	6.501	2113.	4.714
641.	6.505	2114.	4.684
642.	6.488	2115.	4.658
643.	6.534	2116.	4.674
644.	6.502	2117.	4.678
645.	6.524	2118.	4.681
646.	6.556	2119.	4.632
647.	6.535	2120.	4.67
648.	6.545	2121.	4.691
649.	6.527	2122.	4.649
650.	6.551	2123.	4.635
651.	6.537	2124.	4.632
652.	6.573	2125.	4.658
653.	6.601	2126.	4.628
654.	6.593	2127.	4.618
655.	6.573	2128.	4.627
656.	6.581	2129.	4.654
657.	6.618	2130.	4.609
658.	6.619	2131.	4.618
659.	6.629	2132.	4.632
660.	6.624	2133.	4.571
661.	6.66	2134.	4.584
662.	6.656	2135.	4.634
663.	6.663	2136.	4.57
664.	6.659	2137.	4.596
665.	6.651	2138.	4.608
666.	6.663	2139.	4.595
667.	6.68	2140.	4.592
668.	6.67	2141.	4.595
669.	6.702	2142.	4.58
670.	6.7	2143.	4.538
671.	6.694	2144.	4.553
672.	6.698	2145.	4.573
673.	6.7	2146.	4.557
674.	6.721	2147.	4.551
675.	6.703	2148.	4.579
676.	6.715	2149.	4.571
677.	6.726	2150.	4.552
678.	6.736	2151.	4.542
679.	6.756	2152.	4.553
680.	6.735	2153.	4.524
681.	6.727	2154.	4.536
682.	6.755	2155.	4.518
683.	6.793	2156.	4.539
684.	6.773	2157.	4.533
685.	6.796	2158.	4.476
686.	6.782	2159.	4.517
687.	6.805	2160.	4.497
688.	6.795	2161.	4.512
689.	6.821	2162.	4.531
690.	6.805	2163.	4.539
691.	6.788	2164.	4.508
692.	6.799	2165.	4.504

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	6.855	2166.	4.524
694.	6.836	2167.	4.515
695.	6.841	2168.	4.482
696.	6.86	2169.	4.472
697.	6.874	2170.	4.487
698.	6.865	2171.	4.474
699.	6.858	2172.	4.498
700.	6.869	2173.	4.479
701.	6.89	2174.	4.461
702.	6.844	2175.	4.494
703.	6.895	2176.	4.494
704.	6.903	2177.	4.472
705.	6.912	2178.	4.467
706.	6.909	2179.	4.486
707.	6.949	2180.	4.463
708.	6.922	2181.	4.474
709.	6.963	2182.	4.428
710.	6.901	2183.	4.486
711.	6.931	2184.	4.43
712.	6.985	2185.	4.46
713.	6.946	2186.	4.451
714.	6.978	2187.	4.426
715.	6.983	2188.	4.417
716.	6.971	2189.	4.436
717.	6.939	2190.	4.435
718.	6.96	2191.	4.411
719.	7.002	2192.	4.442
720.	6.98	2193.	4.432
721.	7.004	2194.	4.431
722.	7.008	2195.	4.411
723.	6.999	2196.	4.382
724.	7.012	2197.	4.439
725.	7.	2198.	4.405
726.	7.041	2199.	4.377
727.	7.03	2200.	4.396
728.	7.018	2201.	4.396
729.	7.021	2202.	4.366
730.	7.069	2203.	4.396
731.	7.068	2204.	4.429
732.	7.058	2205.	4.392
733.	7.055	2206.	4.403
734.	7.065	2207.	4.381
735.	7.118	2208.	4.367
736.	7.066	2209.	4.373
737.	7.093	2210.	4.347
738.	7.123	2211.	4.392
739.	7.129	2212.	4.384
740.	7.097	2213.	4.369
741.	7.105	2214.	4.359
742.	7.137	2215.	4.366
743.	7.118	2216.	4.361
744.	7.102	2217.	4.313
745.	7.119	2218.	4.364
746.	7.144	2219.	4.318
747.	7.145	2220.	4.344
748.	7.136	2221.	4.328
749.	7.137	2222.	4.323
750.	7.18	2223.	4.314
751.	7.181	2224.	4.329
752.	7.179	2225.	4.342
753.	7.153	2226.	4.323
754.	7.226	2227.	4.335
755.	7.19	2228.	4.328
756.	7.214	2229.	4.299
757.	7.227	2230.	4.336
758.	7.236	2231.	4.31

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	7.228	2232.	4.323
760.	7.211	2233.	4.291
761.	7.227	2234.	4.311
762.	7.242	2235.	4.315
763.	7.211	2236.	4.293
764.	7.257	2237.	4.305
765.	7.256	2238.	4.285
766.	7.273	2239.	4.304
767.	7.272	2240.	4.28
768.	7.293	2241.	4.295
769.	7.319	2242.	4.302
770.	7.297	2243.	4.257
771.	7.278	2244.	4.28
772.	7.295	2245.	4.283
773.	7.268	2246.	4.286
774.	7.298	2247.	4.274
775.	7.322	2248.	4.277
776.	7.327	2249.	4.24
777.	7.31	2250.	4.204
778.	7.304	2251.	4.234
779.	7.332	2252.	4.279
780.	7.344	2253.	4.252
781.	7.341	2254.	4.268
782.	7.349	2255.	4.234
783.	7.343	2256.	4.243
784.	7.351	2257.	4.267
785.	7.363	2258.	4.247
786.	7.353	2259.	4.208
787.	7.359	2260.	4.234
788.	7.401	2261.	4.237
789.	7.374	2262.	4.272
790.	7.363	2263.	4.2
791.	7.407	2264.	4.22
792.	7.416	2265.	4.215
793.	7.43	2266.	4.178
794.	7.419	2267.	4.22
795.	7.397	2268.	4.172
796.	7.414	2269.	4.225
797.	7.421	2270.	4.209
798.	7.452	2271.	4.25
799.	7.463	2272.	4.195
800.	7.46	2273.	4.196
801.	7.478	2274.	4.174
802.	7.435	2275.	4.196
803.	7.472	2276.	4.2
804.	7.476	2277.	4.209
805.	7.459	2278.	4.169
806.	7.441	2279.	4.2
807.	7.485	2280.	4.138
808.	7.481	2281.	4.161
809.	7.507	2282.	4.149
810.	7.524	2283.	4.168
811.	7.499	2284.	4.181
812.	7.532	2285.	4.172
813.	7.514	2286.	4.164
814.	7.527	2287.	4.114
815.	7.517	2288.	4.161
816.	7.523	2289.	4.152
817.	7.565	2290.	4.157
818.	7.512	2291.	4.156
819.	7.558	2292.	4.153
820.	7.546	2293.	4.128
821.	7.537	2294.	4.157
822.	7.594	2295.	4.165
823.	7.554	2296.	4.148
824.	7.588	2297.	4.137

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	7.586	2298.	4.146
826.	7.589	2299.	4.139
827.	7.586	2300.	4.103
828.	7.61	2301.	4.107
829.	7.606	2302.	4.123
830.	7.61	2303.	4.117
831.	7.629	2304.	4.136
832.	7.646	2305.	4.126
833.	7.616	2306.	4.123
834.	7.632	2307.	4.086
835.	7.644	2308.	4.108
836.	7.651	2309.	4.109
837.	7.642	2310.	4.1
838.	7.667	2311.	4.131
839.	7.657	2312.	4.096
840.	7.647	2313.	4.11
841.	7.661	2314.	4.096
842.	7.666	2315.	4.059
843.	7.664	2316.	4.054
844.	7.667	2317.	4.094
845.	7.677	2318.	4.066
846.	7.68	2319.	4.068
847.	7.699	2320.	4.116
848.	7.701	2321.	4.067
849.	7.701	2322.	4.072
850.	7.721	2323.	4.052
851.	7.701	2324.	4.066
852.	7.712	2325.	4.057
853.	7.721	2326.	4.04
854.	7.732	2327.	4.071
855.	7.757	2328.	4.029
856.	7.724	2329.	4.045
857.	7.746	2330.	4.042
858.	7.759	2331.	4.024
859.	7.804	2332.	4.034
860.	7.739	2333.	4.035
861.	7.754	2334.	4.04
862.	7.759	2335.	4.049
863.	7.787	2336.	4.045
864.	7.771	2337.	4.043
865.	7.793	2338.	4.014
866.	7.797	2339.	4.025
867.	7.802	2340.	4.03
868.	7.804	2341.	4.026
869.	7.789	2342.	4.011
870.	7.785	2343.	4.018
871.	7.813	2344.	4.036
872.	7.811	2345.	3.977
873.	7.851	2346.	4.016
874.	7.831	2347.	4.01
875.	7.868	2348.	3.989
876.	7.845	2349.	4.011
877.	7.867	2350.	3.978
878.	7.829	2351.	3.992
879.	7.848	2352.	3.984
880.	7.861	2353.	3.967
881.	7.882	2354.	3.983
882.	7.884	2355.	3.974
883.	7.886	2356.	3.965
884.	7.878	2357.	3.975
885.	7.886	2358.	3.992
886.	7.898	2359.	3.943
887.	7.904	2360.	3.974
888.	7.907	2361.	3.941
889.	7.932	2362.	3.98
890.	7.899	2363.	3.993

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	7.904	2364.	3.97
892.	7.914	2365.	3.939
893.	7.921	2366.	3.944
894.	7.922	2367.	3.952
895.	7.93	2368.	3.936
896.	7.925	2369.	3.953
897.	7.95	2370.	3.959
898.	7.944	2371.	3.917
899.	7.946	2372.	3.941
900.	7.938	2373.	3.94
901.	7.974	2374.	3.926
902.	7.972	2375.	3.92
903.	7.975	2376.	3.941
904.	7.967	2377.	3.909
905.	8.	2378.	3.905
906.	7.957	2379.	3.942
907.	7.995	2380.	3.914
908.	7.97	2381.	3.934
909.	8.012	2382.	3.928
910.	8.025	2383.	3.905
911.	8.012	2384.	3.926
912.	8.023	2385.	3.905
913.	7.986	2386.	3.892
914.	8.035	2387.	3.923
915.	8.034	2388.	3.896
916.	8.03	2389.	3.918
917.	8.031	2390.	3.889
918.	8.036	2391.	3.876
919.	8.015	2392.	3.877
920.	8.054	2393.	3.882
921.	8.093	2394.	3.903
922.	8.056	2395.	3.888
923.	8.071	2396.	3.873
924.	8.093	2397.	3.851
925.	8.083	2398.	3.859
926.	8.092	2399.	3.879
927.	8.065	2400.	3.896
928.	8.093	2401.	3.872
929.	8.09	2402.	3.849
930.	8.117	2403.	3.878
931.	8.098	2404.	3.868
932.	8.099	2405.	3.844
933.	8.129	2406.	3.834
934.	8.099	2407.	3.828
935.	8.161	2408.	3.838
936.	8.132	2409.	3.867
937.	8.144	2410.	3.808
938.	8.104	2411.	3.859
939.	8.153	2412.	3.848
940.	8.14	2413.	3.809
941.	8.158	2414.	3.839
942.	8.203	2415.	3.839
943.	8.171	2416.	3.834
944.	8.164	2417.	3.841
945.	8.205	2418.	3.813
946.	8.188	2419.	3.814
947.	8.211	2420.	3.839
948.	8.196	2421.	3.807
949.	8.189	2422.	3.819
950.	8.203	2423.	3.791
951.	8.181	2424.	3.816
952.	8.215	2425.	3.786
953.	8.224	2426.	3.811
954.	8.181	2427.	3.791
955.	8.225	2428.	3.777
956.	8.194	2429.	3.811

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	8.225	2430.	3.798
958.	8.245	2431.	3.79
959.	8.195	2432.	3.791
960.	8.242	2433.	3.795
961.	8.215	2434.	3.78
962.	8.235	2435.	3.776
963.	8.257	2436.	3.81
964.	8.245	2437.	3.771
965.	8.275	2438.	3.782
966.	8.275	2439.	3.764
967.	8.272	2440.	3.789
968.	8.249	2441.	3.761
969.	8.295	2442.	3.746
970.	8.304	2443.	3.733
971.	8.299	2444.	3.744
972.	8.301	2445.	3.771
973.	8.262	2446.	3.749
974.	8.302	2447.	3.733
975.	8.328	2448.	3.754
976.	8.323	2449.	3.738
977.	8.313	2450.	3.763
978.	8.342	2451.	3.754
979.	8.328	2452.	3.74
980.	8.34	2453.	3.748
981.	8.333	2454.	3.745
982.	8.366	2455.	3.755
983.	8.35	2456.	3.729
984.	8.348	2457.	3.705
985.	8.367	2458.	3.745
986.	8.33	2459.	3.693
987.	8.341	2460.	3.707
988.	8.36	2461.	3.707
989.	8.337	2462.	3.755
990.	8.369	2463.	3.75
991.	8.364	2464.	3.702
992.	8.373	2465.	3.696
993.	8.399	2466.	3.712
994.	8.399	2467.	3.707
995.	8.397	2468.	3.711
996.	8.406	2469.	3.72
997.	8.38	2470.	3.694
998.	8.384	2471.	3.707
999.	8.422	2472.	3.717
1000.	8.418	2473.	3.676
1001.	8.388	2474.	3.692
1002.	8.412	2475.	3.683
1003.	8.431	2476.	3.685
1004.	8.419	2477.	3.692
1005.	8.423	2478.	3.66
1006.	8.415	2479.	3.673
1007.	8.431	2480.	3.654
1008.	8.454	2481.	3.667
1009.	8.442	2482.	3.679
1010.	8.46	2483.	3.677
1011.	8.482	2484.	3.63
1012.	8.467	2485.	3.675
1013.	8.481	2486.	3.656
1014.	8.47	2487.	3.673
1015.	8.453	2488.	3.652
1016.	8.483	2489.	3.632
1017.	8.486	2490.	3.647
1018.	8.494	2491.	3.673
1019.	8.471	2492.	3.645
1020.	8.525	2493.	3.664
1021.	8.512	2494.	3.639
1022.	8.509	2495.	3.662

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	8.49	2496.	3.597
1024.	8.502	2497.	3.656
1025.	8.529	2498.	3.633
1026.	8.545	2499.	3.634
1027.	8.522	2500.	3.646
1028.	8.519	2501.	3.599
1029.	8.531	2502.	3.58
1030.	8.527	2503.	3.665
1031.	8.531	2504.	3.598
1032.	8.552	2505.	3.605
1033.	8.55	2506.	3.644
1034.	8.562	2507.	3.621
1035.	8.573	2508.	3.594
1036.	8.553	2509.	3.621
1037.	8.575	2510.	3.615
1038.	8.581	2511.	3.566
1039.	8.585	2512.	3.591
1040.	8.588	2513.	3.582
1041.	8.55	2514.	3.575
1042.	8.593	2515.	3.582
1043.	8.619	2516.	3.601
1044.	8.603	2517.	3.568
1045.	8.606	2518.	3.587
1046.	8.622	2519.	3.562
1047.	8.596	2520.	3.567
1048.	8.584	2521.	3.588
1049.	8.62	2522.	3.571
1050.	8.618	2523.	3.577
1051.	8.601	2524.	3.565
1052.	8.601	2525.	3.548
1053.	8.646	2526.	3.561
1054.	8.612	2527.	3.539
1055.	8.617	2528.	3.571
1056.	8.638	2529.	3.55
1057.	8.62	2530.	3.561
1058.	8.658	2531.	3.542
1059.	8.649	2532.	3.542
1060.	8.652	2533.	3.524
1061.	8.639	2534.	3.529
1062.	8.626	2535.	3.523
1063.	8.684	2536.	3.53
1064.	8.652	2537.	3.511
1065.	8.666	2538.	3.536
1066.	8.692	2539.	3.548
1067.	8.688	2540.	3.523
1068.	8.698	2541.	3.542
1069.	8.676	2542.	3.537
1070.	8.672	2543.	3.497
1071.	8.717	2544.	3.553
1072.	8.707	2545.	3.51
1073.	8.704	2546.	3.512
1074.	8.706	2547.	3.475
1075.	8.685	2548.	3.504
1076.	8.708	2549.	3.504
1077.	8.729	2550.	3.5
1078.	8.701	2551.	3.511
1079.	8.704	2552.	3.528
1080.	8.744	2553.	3.508
1081.	8.722	2554.	3.488
1082.	8.723	2555.	3.48
1083.	8.747	2556.	3.461
1084.	8.734	2557.	3.46
1085.	8.758	2558.	3.455
1086.	8.767	2559.	3.476
1087.	8.78	2560.	3.464
1088.	8.767	2561.	3.457

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	8.749	2562.	3.466
1090.	8.763	2563.	3.478
1091.	8.777	2564.	3.464
1092.	8.767	2565.	3.438
1093.	8.805	2566.	3.451
1094.	8.793	2567.	3.468
1095.	8.812	2568.	3.46
1096.	8.785	2569.	3.478
1097.	8.792	2570.	3.446
1098.	8.823	2571.	3.469
1099.	8.805	2572.	3.468
1100.	8.784	2573.	3.42
1101.	8.795	2574.	3.433
1102.	8.812	2575.	3.447
1103.	8.809	2576.	3.419
1104.	8.81	2577.	3.437
1105.	8.801	2578.	3.394
1106.	8.792	2579.	3.446
1107.	8.842	2580.	3.426
1108.	8.85	2581.	3.453
1109.	8.857	2582.	3.429
1110.	8.831	2583.	3.427
1111.	8.84	2584.	3.45
1112.	8.854	2585.	3.438
1113.	8.848	2586.	3.426
1114.	8.877	2587.	3.441
1115.	8.857	2588.	3.432
1116.	8.863	2589.	3.419
1117.	8.891	2590.	3.419
1118.	8.895	2591.	3.419
1119.	8.866	2592.	3.417
1120.	8.849	2593.	3.398
1121.	8.903	2594.	3.394
1122.	8.917	2595.	3.394
1123.	8.894	2596.	3.363
1124.	8.926	2597.	3.391
1125.	8.907	2598.	3.418
1126.	8.913	2599.	3.375
1127.	8.922	2600.	3.391
1128.	8.92	2601.	3.409
1129.	8.909	2602.	3.409
1130.	8.891	2603.	3.376
1131.	8.925	2604.	3.432
1132.	8.917	2605.	3.364
1133.	8.908	2606.	3.383
1134.	8.959	2607.	3.396
1135.	8.922	2608.	3.353
1136.	8.952	2609.	3.391
1137.	8.946	2610.	3.375
1138.	8.955	2611.	3.374
1139.	8.949	2612.	3.376
1140.	8.94	2613.	3.356
1141.	8.972	2614.	3.372
1142.	8.968	2615.	3.353
1143.	8.96	2616.	3.349
1144.	8.976	2617.	3.362
1145.	8.979	2618.	3.354
1146.	9.008	2619.	3.328
1147.	8.973	2620.	3.351
1148.	8.994	2621.	3.345
1149.	8.968	2622.	3.323
1150.	8.994	2623.	3.352
1151.	9.007	2624.	3.32
1152.	9.005	2625.	3.349
1153.	8.98	2626.	3.343
1154.	9.04	2627.	3.333

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	9.023	2628.	3.358
1156.	9.038	2629.	3.345
1157.	9.01	2630.	3.343
1158.	9.03	2631.	3.312
1159.	9.03	2632.	3.316
1160.	9.035	2633.	3.329
1161.	9.035	2634.	3.323
1162.	9.019	2635.	3.326
1163.	9.051	2636.	3.321
1164.	9.009	2637.	3.298
1165.	9.054	2638.	3.332
1166.	9.041	2639.	3.318
1167.	9.055	2640.	3.301
1168.	9.067	2641.	3.317
1169.	9.062	2642.	3.295
1170.	9.058	2643.	3.334
1171.	9.03	2644.	3.281
1172.	9.058	2645.	3.311
1173.	9.091	2646.	3.281
1174.	9.091	2647.	3.283
1175.	9.06	2648.	3.295
1176.	9.088	2649.	3.272
1177.	9.072	2650.	3.302
1178.	9.088	2651.	3.291
1179.	9.079	2652.	3.287
1180.	9.109	2653.	3.277
1181.	9.097	2654.	3.293
1182.	9.093	2655.	3.271
1183.	9.101	2656.	3.294
1184.	9.083	2657.	3.252
1185.	9.11	2658.	3.253
1186.	9.137	2659.	3.244
1187.	9.103	2660.	3.257
1188.	9.129	2661.	3.269
1189.	9.12	2662.	3.226
1190.	9.13	2663.	3.273
1191.	9.108	2664.	3.253
1192.	9.159	2665.	3.272
1193.	9.118	2666.	3.24
1194.	9.127	2667.	3.265
1195.	9.142	2668.	3.212
1196.	9.142	2669.	3.23
1197.	9.154	2670.	3.231
1198.	9.161	2671.	3.254
1199.	9.19	2672.	3.242
1200.	9.153	2673.	3.249
1201.	9.188	2674.	3.235
1202.	9.185	2675.	3.233
1203.	9.195	2676.	3.203
1204.	9.207	2677.	3.23
1205.	9.172	2678.	3.215
1206.	9.201	2679.	3.209
1207.	9.19	2680.	3.214
1208.	9.207	2681.	3.246
1209.	9.216	2682.	3.203
1210.	9.175	2683.	3.242
1211.	9.197	2684.	3.207
1212.	9.205	2685.	3.203
1213.	9.223	2686.	3.213
1214.	9.188	2687.	3.189
1215.	9.179	2688.	3.216
1216.	9.201	2689.	3.242
1217.	9.236	2690.	3.192
1218.	9.226	2691.	3.214
1219.	9.246	2692.	3.177
1220.	9.252	2693.	3.198

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	9.256	2694.	3.214
1222.	9.243	2695.	3.19
1223.	9.253	2696.	3.219
1224.	9.262	2697.	3.193
1225.	9.223	2698.	3.184
1226.	9.246	2699.	3.19
1227.	9.242	2700.	3.18
1228.	9.262	2701.	3.189
1229.	9.256	2702.	3.189
1230.	9.25	2703.	3.196
1231.	9.256	2704.	3.166
1232.	9.25	2705.	3.189
1233.	9.245	2706.	3.198
1234.	9.285	2707.	3.172
1235.	9.286	2708.	3.14
1236.	9.267	2709.	3.186
1237.	9.277	2710.	3.174
1238.	9.318	2711.	3.176
1239.	9.295	2712.	3.159
1240.	9.28	2713.	3.162
1241.	9.293	2714.	3.151
1242.	9.29	2715.	3.145
1243.	9.301	2716.	3.15
1244.	9.31	2717.	3.163
1245.	9.301	2718.	3.127
1246.	9.313	2719.	3.145
1247.	9.318	2720.	3.143
1248.	9.309	2721.	3.16
1249.	9.28	2722.	3.17
1250.	9.308	2723.	3.122
1251.	9.317	2724.	3.131
1252.	9.274	2725.	3.173
1253.	9.331	2726.	3.13
1254.	9.32	2727.	3.145
1255.	9.32	2728.	3.136
1256.	9.318	2729.	3.127
1257.	9.324	2730.	3.097
1258.	9.346	2731.	3.122
1259.	9.318	2732.	3.136
1260.	9.352	2733.	3.152
1261.	9.332	2734.	3.137
1262.	9.324	2735.	3.086
1263.	9.32	2736.	3.106
1264.	9.331	2737.	3.14
1265.	9.326	2738.	3.105
1266.	9.367	2739.	3.095
1267.	9.333	2740.	3.103
1268.	9.358	2741.	3.099
1269.	9.331	2742.	3.107
1270.	9.384	2743.	3.102
1271.	9.372	2744.	3.089
1272.	9.366	2745.	3.099
1273.	9.366	2746.	3.122
1274.	9.385	2747.	3.105
1275.	9.364	2748.	3.087
1276.	9.374	2749.	3.088
1277.	9.377	2750.	3.093
1278.	9.372	2751.	3.094
1279.	9.397	2752.	3.081
1280.	9.394	2753.	3.104
1281.	9.379	2754.	3.08
1282.	9.391	2755.	3.076
1283.	9.388	2756.	3.067
1284.	9.378	2757.	3.09
1285.	9.376	2758.	3.044
1286.	9.407	2759.	3.073

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	9.394	2760.	3.078
1288.	9.398	2761.	3.055
1289.	9.403	2762.	3.075
1290.	9.431	2763.	3.044
1291.	9.437	2764.	3.056
1292.	9.417	2765.	3.055
1293.	9.411	2766.	3.063
1294.	9.42	2767.	3.056
1295.	9.392	2768.	3.065
1296.	9.436	2769.	3.042
1297.	9.433	2770.	3.032
1298.	9.433	2771.	3.047
1299.	9.449	2772.	3.037
1300.	9.427	2773.	3.045
1301.	9.459	2774.	3.058
1302.	9.423	2775.	3.058
1303.	9.445	2776.	3.012
1304.	9.453	2777.	3.044
1305.	9.461	2778.	3.041
1306.	9.484	2779.	3.035
1307.	9.456	2780.	3.032
1308.	9.449	2781.	3.042
1309.	9.463	2782.	3.041
1310.	9.463	2783.	3.026
1311.	9.48	2784.	3.038
1312.	9.479	2785.	2.987
1313.	9.475	2786.	3.023
1314.	9.489	2787.	3.041
1315.	9.481	2788.	2.998
1316.	9.479	2789.	3.025
1317.	9.484	2790.	3.016
1318.	9.481	2791.	3.034
1319.	9.494	2792.	3.011
1320.	9.481	2793.	3.01
1321.	9.488	2794.	3.011
1322.	9.49	2795.	3.019
1323.	9.502	2796.	2.998
1324.	9.517	2797.	3.002
1325.	9.5	2798.	3.013
1326.	9.515	2799.	2.972
1327.	9.528	2800.	2.979
1328.	9.52	2801.	2.988
1329.	9.537	2802.	2.974
1330.	9.542	2803.	2.956
1331.	9.51	2804.	2.982
1332.	9.519	2805.	3.
1333.	9.565	2806.	2.976
1334.	9.533	2807.	2.966
1335.	9.565	2808.	2.998
1336.	9.536	2809.	2.981
1337.	9.506	2810.	2.98
1338.	9.539	2811.	2.968
1339.	9.566	2812.	2.968
1340.	9.542	2813.	2.967
1341.	9.568	2814.	2.988
1342.	9.574	2815.	2.954
1343.	9.579	2816.	2.967
1344.	9.576	2817.	2.965
1345.	9.583	2818.	2.972
1346.	9.554	2819.	2.997
1347.	9.592	2820.	2.979
1348.	9.562	2821.	2.984
1349.	9.611	2822.	2.987
1350.	9.581	2823.	2.932
1351.	9.586	2824.	2.954
1352.	9.6	2825.	2.965

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	9.6	2826.	2.97
1354.	9.616	2827.	2.954
1355.	9.64	2828.	2.948
1356.	9.611	2829.	2.956
1357.	9.612	2830.	2.95
1358.	9.619	2831.	2.951
1359.	9.643	2832.	2.947
1360.	9.646	2833.	2.967
1361.	9.631	2834.	2.939
1362.	9.628	2835.	2.95
1363.	9.627	2836.	2.937
1364.	9.646	2837.	2.959
1365.	9.648	2838.	2.954
1366.	9.673	2839.	2.913
1367.	9.638	2840.	2.944
1368.	9.673	2841.	2.92
1369.	9.68	2842.	2.915
1370.	9.638	2843.	2.908
1371.	9.662	2844.	2.937
1372.	9.661	2845.	2.957
1373.	9.659	2846.	2.939
1374.	9.678	2847.	2.928
1375.	9.678	2848.	2.916
1376.	9.667	2849.	2.887
1377.	9.665	2850.	2.922
1378.	9.707	2851.	2.916
1379.	9.702	2852.	2.909
1380.	9.661	2853.	2.931
1381.	9.701	2854.	2.93
1382.	9.679	2855.	2.917
1383.	9.73	2856.	2.892
1384.	9.683	2857.	2.94
1385.	9.698	2858.	2.913
1386.	9.711	2859.	2.892
1387.	9.733	2860.	2.885
1388.	9.714	2861.	2.913
1389.	9.729	2862.	2.912
1390.	9.734	2863.	2.877
1391.	9.69	2864.	2.882
1392.	9.722	2865.	2.911
1393.	9.727	2866.	2.912
1394.	9.752	2867.	2.914
1395.	9.774	2868.	2.866
1396.	9.727	2869.	2.889
1397.	9.735	2870.	2.864
1398.	9.741	2871.	2.906
1399.	9.746	2872.	2.89
1400.	9.734	2873.	2.877
1401.	9.728	2874.	2.855
1402.	9.76	2875.	2.865
1403.	9.762	2876.	2.876
1404.	9.755	2877.	2.896
1405.	9.758	2878.	2.864
1406.	9.78	2879.	2.855
1407.	9.771	2880.	2.864
1408.	9.8	2881.	2.839
1409.	9.796	2882.	2.858
1410.	9.802	2883.	2.872
1411.	9.815	2884.	2.865
1412.	9.78	2885.	2.84
1413.	9.813	2886.	2.877
1414.	9.825	2887.	2.87
1415.	9.811	2888.	2.835
1416.	9.808	2889.	2.87
1417.	9.783	2890.	2.842
1418.	9.803	2891.	2.864

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	9.836	2892.	2.835
1420.	9.807	2893.	2.845
1421.	9.836	2894.	2.836
1422.	9.82	2895.	2.822
1423.	9.827	2896.	2.871
1424.	9.823	2897.	2.846
1425.	9.846	2898.	2.81
1426.	9.829	2899.	2.846
1427.	9.825	2900.	2.845
1428.	9.82	2901.	2.825
1429.	9.818	2902.	2.821
1430.	9.863	2903.	2.829
1431.	9.832	2904.	2.836
1432.	9.86	2905.	2.851
1433.	9.853	2906.	2.841
1434.	9.868	2907.	2.844
1435.	9.884	2908.	2.853
1436.	9.891	2909.	2.826
1437.	9.894	2910.	2.807
1438.	9.875	2911.	2.819
1439.	9.885	2912.	2.822
1440.	9.881	2913.	2.806
1441.	9.896	2914.	2.804
1442.	9.904	2915.	2.818
1443.	9.868	2916.	2.798
1444.	9.889	2917.	2.807
1445.	9.885	2918.	2.804
1446.	9.919	2919.	2.813
1447.	9.917	2920.	2.808
1448.	9.917	2921.	2.819
1449.	9.896	2922.	2.841
1450.	9.882	2923.	2.821
1451.	9.909	2924.	2.799
1452.	9.89	2925.	2.795
1453.	9.885	2926.	2.79
1454.	9.873	2927.	2.807
1455.	9.849	2928.	2.811
1456.	9.85	2929.	2.806
1457.	9.824	2930.	2.775
1458.	9.823	2931.	2.791
1459.	9.827	2932.	2.799
1460.	9.808	2933.	2.805
1461.	9.76	2934.	2.759
1462.	9.744	2935.	2.831
1463.	9.769	2936.	2.761
1464.	9.78	2937.	2.783
1465.	9.719	2938.	2.81
1466.	9.716	2939.	2.803
1467.	9.707	2940.	2.775
1468.	9.704	2941.	2.763
1469.	9.673	2942.	2.771
1470.	9.669	2943.	2.789
1471.	9.646	2944.	2.778
1472.	9.638	2945.	2.771
1473.	9.628	2946.	2.785

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1467.7	ft^2/day
S	0.0001291	
Kz/Kr	1.	
b	80.	ft

K = T/b = 18.35 ft/day (0.006472 cm/sec)
Ss = S/b = 1.614E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1255.8	0.9529	+/- 1.869	1317.9	ft^2/day
S	0.0001945	2.167E-7	+/- 4.249E-7	897.9	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.7 ft/day (0.005538 cm/sec)
Ss = S/b = 2.432E-6 1/ft

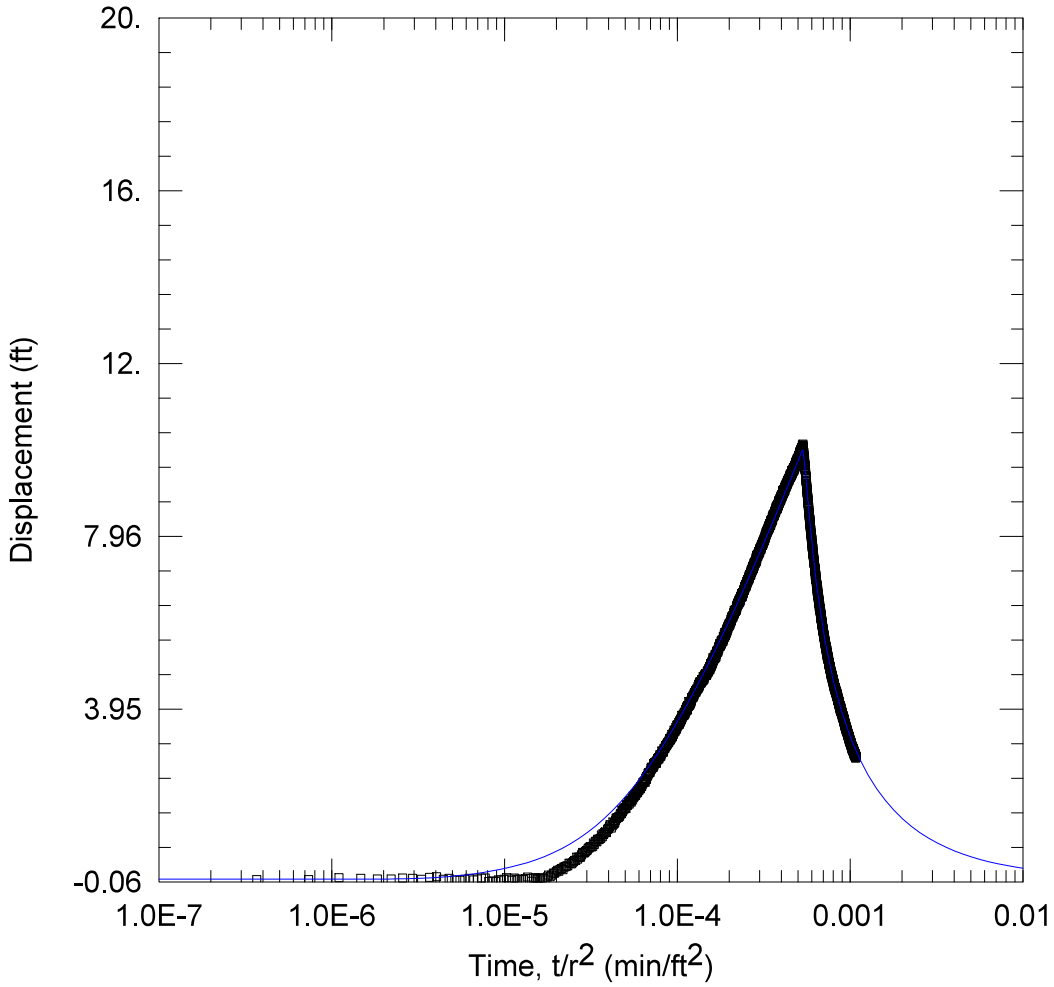
Parameter Correlations

	T	S
T	1.00	-0.75
S	-0.75	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 32.91 ft^2
Variance . . . . . 0.01118 ft^2
Std. Deviation . . . . . 0.1057 ft
Mean . . . . . -0.03256 ft
No. of Residuals 2946
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW3A.aqt
Date: 04/11/25 Time: 12:00:45

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW3A	2672	1516

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1224.4 ft^2/day
S = 0.000191
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 09:50:10

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW3A

X Location: 2672. ft
Y Location: 1516. ft

Radial distance from BM 1B: 1647.641951 ft
Radial distance from BM2A: 1307.590915 ft
Radial distance from BM3: 2166.895014 ft
Radial distance from BM 4 : 1955.056009 ft
Radial distance from BM5: 1877.100157 ft
Radial distance from BM 6: 1664.078123 ft
Radial distance from BM7: 1290.719179 ft
Radial distance from BM9: 607.5236621 ft

Fully Penetrating Well

No. of Observations: 2939

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.007988	1471.	9.795
2.	-0.01109	1472.	9.81
3.	0.03445	1473.	9.771
4.	0.02488	1474.	9.778
5.	0.01044	1475.	9.758
6.	0.007461	1476.	9.742
7.	0.03033	1477.	9.748
8.	0.02523	1478.	9.736
9.	0.0012	1479.	9.743
10.	0.0406	1480.	9.711
11.	0.05726	1481.	9.668
12.	-0.000801	1482.	9.667
13.	0.02444	1483.	9.666
14.	-0.01652	1484.	9.632
15.	-0.02058	1485.	9.612
16.	-0.00198	1486.	9.631
17.	0.02133	1487.	9.622
18.	-0.01569	1488.	9.594
19.	0.009468	1489.	9.598
20.	0.03146	1490.	9.527
21.	0.02612	1491.	9.557
22.	-0.04946	1492.	9.511
23.	-0.04052	1493.	9.551
24.	-0.05507	1494.	9.52
25.	-0.0174	1495.	9.511
26.	-0.01229	1496.	9.485
27.	-0.002827	1497.	9.503
28.	0.03848	1498.	9.451
29.	0.003435	1499.	9.437
30.	-0.01954	1500.	9.44
31.	0.02937	1501.	9.371
32.	-0.01044	1502.	9.42

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.00548	1503.	9.419
34.	0.002203	1504.	9.378
35.	-0.009115	1505.	9.374
36.	0.01097	1506.	9.345
37.	0.05021	1507.	9.358
38.	0.01261	1508.	9.334
39.	-0.0455	1509.	9.331
40.	0.03253	1510.	9.267
41.	0.03551	1511.	9.313
42.	-0.0039	1512.	9.258
43.	0.02957	1513.	9.266
44.	0.02488	1514.	9.24
45.	0.02957	1515.	9.237
46.	0.02407	1516.	9.217
47.	-0.01303	1517.	9.196
48.	0.05445	1518.	9.189
49.	0.09316	1519.	9.15
50.	0.06621	1520.	9.157
51.	0.09399	1521.	9.143
52.	0.1427	1522.	9.13
53.	0.1429	1523.	9.12
54.	0.1738	1524.	9.132
55.	0.2054	1525.	9.096
56.	0.1825	1526.	9.069
57.	0.2261	1527.	9.074
58.	0.251	1528.	9.052
59.	0.2244	1529.	9.072
60.	0.2846	1530.	9.036
61.	0.2937	1531.	9.032
62.	0.3056	1532.	8.971
63.	0.3136	1533.	9.035
64.	0.374	1534.	8.999
65.	0.3751	1535.	8.976
66.	0.3567	1536.	8.959
67.	0.379	1537.	8.912
68.	0.4123	1538.	8.9
69.	0.4407	1539.	8.926
70.	0.4413	1540.	8.922
71.	0.5093	1541.	8.883
72.	0.469	1542.	8.898
73.	0.5137	1543.	8.862
74.	0.5093	1544.	8.824
75.	0.5147	1545.	8.875
76.	0.5656	1546.	8.839
77.	0.6214	1547.	8.8
78.	0.6073	1548.	8.806
79.	0.6175	1549.	8.823
80.	0.6456	1550.	8.751
81.	0.6612	1551.	8.794
82.	0.676	1552.	8.753
83.	0.7187	1553.	8.75
84.	0.7287	1554.	8.714
85.	0.76	1555.	8.716
86.	0.7551	1556.	8.727
87.	0.7521	1557.	8.672
88.	0.764	1558.	8.684
89.	0.8417	1559.	8.68
90.	0.811	1560.	8.655
91.	0.8732	1561.	8.648
92.	0.8863	1562.	8.637
93.	0.8704	1563.	8.64
94.	0.9248	1564.	8.603
95.	0.9258	1565.	8.56
96.	0.9195	1566.	8.556
97.	0.9454	1567.	8.57
98.	0.9483	1568.	8.511

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	1.025	1569.	8.535
100.	0.9902	1570.	8.51
101.	1.058	1571.	8.517
102.	1.041	1572.	8.503
103.	1.077	1573.	8.517
104.	1.096	1574.	8.475
105.	1.085	1575.	8.443
106.	1.085	1576.	8.486
107.	1.159	1577.	8.436
108.	1.168	1578.	8.423
109.	1.181	1579.	8.431
110.	1.22	1580.	8.416
111.	1.261	1581.	8.396
112.	1.264	1582.	8.387
113.	1.19	1583.	8.358
114.	1.241	1584.	8.378
115.	1.33	1585.	8.349
116.	1.275	1586.	8.353
117.	1.29	1587.	8.347
118.	1.315	1588.	8.338
119.	1.369	1589.	8.347
120.	1.416	1590.	8.315
121.	1.407	1591.	8.289
122.	1.422	1592.	8.285
123.	1.431	1593.	8.228
124.	1.432	1594.	8.246
125.	1.458	1595.	8.257
126.	1.466	1596.	8.227
127.	1.509	1597.	8.214
128.	1.533	1598.	8.207
129.	1.523	1599.	8.229
130.	1.605	1600.	8.18
131.	1.566	1601.	8.178
132.	1.606	1602.	8.163
133.	1.631	1603.	8.151
134.	1.63	1604.	8.123
135.	1.656	1605.	8.13
136.	1.657	1606.	8.071
137.	1.644	1607.	8.115
138.	1.731	1608.	8.102
139.	1.73	1609.	8.07
140.	1.714	1610.	8.06
141.	1.749	1611.	8.048
142.	1.794	1612.	8.028
143.	1.748	1613.	8.026
144.	1.802	1614.	8.026
145.	1.818	1615.	8.012
146.	1.831	1616.	8.025
147.	1.793	1617.	8.003
148.	1.821	1618.	8.013
149.	1.876	1619.	7.969
150.	1.857	1620.	7.97
151.	1.932	1621.	7.965
152.	1.901	1622.	7.937
153.	1.925	1623.	7.935
154.	1.967	1624.	7.914
155.	1.984	1625.	7.899
156.	1.944	1626.	7.917
157.	1.996	1627.	7.906
158.	1.998	1628.	7.871
159.	2.029	1629.	7.863
160.	2.012	1630.	7.867
161.	2.049	1631.	7.81
162.	2.088	1632.	7.884
163.	2.055	1633.	7.824
164.	2.094	1634.	7.81

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	2.108	1635.	7.806
166.	2.103	1636.	7.783
167.	2.151	1637.	7.784
168.	2.15	1638.	7.765
169.	2.151	1639.	7.759
170.	2.191	1640.	7.721
171.	2.216	1641.	7.722
172.	2.244	1642.	7.74
173.	2.253	1643.	7.715
174.	2.255	1644.	7.686
175.	2.276	1645.	7.705
176.	2.283	1646.	7.706
177.	2.247	1647.	7.725
178.	2.306	1648.	7.659
179.	2.351	1649.	7.661
180.	2.322	1650.	7.667
181.	2.39	1651.	7.658
182.	2.388	1652.	7.68
183.	2.419	1653.	7.608
184.	2.457	1654.	7.594
185.	2.441	1655.	7.627
186.	2.473	1656.	7.569
187.	2.478	1657.	7.568
188.	2.473	1658.	7.555
189.	2.479	1659.	7.587
190.	2.517	1660.	7.555
191.	2.57	1661.	7.569
192.	2.596	1662.	7.526
193.	2.554	1663.	7.539
194.	2.603	1664.	7.53
195.	2.591	1665.	7.517
196.	2.602	1666.	7.493
197.	2.596	1667.	7.499
198.	2.68	1668.	7.48
199.	2.627	1669.	7.432
200.	2.663	1670.	7.477
201.	2.71	1671.	7.447
202.	2.699	1672.	7.459
203.	2.695	1673.	7.465
204.	2.706	1674.	7.415
205.	2.731	1675.	7.42
206.	2.689	1676.	7.434
207.	2.751	1677.	7.393
208.	2.768	1678.	7.394
209.	2.799	1679.	7.379
210.	2.784	1680.	7.361
211.	2.804	1681.	7.378
212.	2.821	1682.	7.33
213.	2.79	1683.	7.339
214.	2.841	1684.	7.358
215.	2.858	1685.	7.338
216.	2.892	1686.	7.339
217.	2.844	1687.	7.333
218.	2.862	1688.	7.284
219.	2.899	1689.	7.262
220.	2.916	1690.	7.244
221.	2.98	1691.	7.249
222.	2.963	1692.	7.235
223.	2.954	1693.	7.265
224.	2.952	1694.	7.25
225.	2.95	1695.	7.24
226.	2.959	1696.	7.226
227.	3.005	1697.	7.212
228.	3.034	1698.	7.237
229.	3.04	1699.	7.208
230.	3.035	1700.	7.192

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	3.049	1701.	7.151
232.	3.084	1702.	7.172
233.	3.107	1703.	7.175
234.	3.088	1704.	7.205
235.	3.102	1705.	7.157
236.	3.137	1706.	7.138
237.	3.123	1707.	7.149
238.	3.142	1708.	7.118
239.	3.167	1709.	7.063
240.	3.164	1710.	7.127
241.	3.184	1711.	7.093
242.	3.175	1712.	7.06
243.	3.195	1713.	7.07
244.	3.222	1714.	7.05
245.	3.236	1715.	7.033
246.	3.265	1716.	7.03
247.	3.269	1717.	7.066
248.	3.234	1718.	7.039
249.	3.275	1719.	7.072
250.	3.306	1720.	7.026
251.	3.277	1721.	6.977
252.	3.293	1722.	7.023
253.	3.36	1723.	7.014
254.	3.314	1724.	6.978
255.	3.312	1725.	6.95
256.	3.374	1726.	6.965
257.	3.358	1727.	6.962
258.	3.366	1728.	6.963
259.	3.402	1729.	6.952
260.	3.465	1730.	6.959
261.	3.421	1731.	6.939
262.	3.424	1732.	6.92
263.	3.44	1733.	6.929
264.	3.442	1734.	6.914
265.	3.474	1735.	6.877
266.	3.487	1736.	6.896
267.	3.523	1737.	6.877
268.	3.527	1738.	6.87
269.	3.486	1739.	6.848
270.	3.578	1740.	6.853
271.	3.542	1741.	6.812
272.	3.583	1742.	6.84
273.	3.578	1743.	6.822
274.	3.566	1744.	6.825
275.	3.595	1745.	6.823
276.	3.587	1746.	6.815
277.	3.631	1747.	6.784
278.	3.593	1748.	6.824
279.	3.65	1749.	6.803
280.	3.601	1750.	6.781
281.	3.676	1751.	6.748
282.	3.64	1752.	6.681
283.	3.66	1753.	6.739
284.	3.712	1754.	6.746
285.	3.682	1755.	6.727
286.	3.72	1756.	6.733
287.	3.7	1757.	6.733
288.	3.802	1758.	6.697
289.	3.753	1759.	6.71
290.	3.747	1760.	6.714
291.	3.796	1761.	6.714
292.	3.8	1762.	6.668
293.	3.789	1763.	6.7
294.	3.816	1764.	6.723
295.	3.834	1765.	6.651
296.	3.802	1766.	6.652

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	3.802	1767.	6.663
298.	3.876	1768.	6.588
299.	3.825	1769.	6.573
300.	3.859	1770.	6.628
301.	3.84	1771.	6.626
302.	3.861	1772.	6.622
303.	3.934	1773.	6.594
304.	3.893	1774.	6.589
305.	3.945	1775.	6.567
306.	3.928	1776.	6.588
307.	3.998	1777.	6.568
308.	3.985	1778.	6.529
309.	3.968	1779.	6.549
310.	3.924	1780.	6.542
311.	3.934	1781.	6.524
312.	4.029	1782.	6.555
313.	4.032	1783.	6.499
314.	4.008	1784.	6.538
315.	4.01	1785.	6.509
316.	4.023	1786.	6.499
317.	4.125	1787.	6.465
318.	4.038	1788.	6.454
319.	4.041	1789.	6.499
320.	4.042	1790.	6.469
321.	4.094	1791.	6.503
322.	4.118	1792.	6.455
323.	4.072	1793.	6.457
324.	4.114	1794.	6.407
325.	4.131	1795.	6.471
326.	4.106	1796.	6.422
327.	4.138	1797.	6.416
328.	4.154	1798.	6.396
329.	4.197	1799.	6.418
330.	4.217	1800.	6.405
331.	4.214	1801.	6.434
332.	4.216	1802.	6.386
333.	4.222	1803.	6.393
334.	4.212	1804.	6.349
335.	4.244	1805.	6.319
336.	4.269	1806.	6.326
337.	4.253	1807.	6.344
338.	4.24	1808.	6.362
339.	4.261	1809.	6.36
340.	4.295	1810.	6.338
341.	4.308	1811.	6.306
342.	4.307	1812.	6.308
343.	4.339	1813.	6.295
344.	4.34	1814.	6.274
345.	4.339	1815.	6.283
346.	4.352	1816.	6.283
347.	4.376	1817.	6.288
348.	4.384	1818.	6.273
349.	4.343	1819.	6.275
350.	4.384	1820.	6.245
351.	4.396	1821.	6.287
352.	4.406	1822.	6.268
353.	4.412	1823.	6.237
354.	4.422	1824.	6.219
355.	4.427	1825.	6.247
356.	4.419	1826.	6.217
357.	4.422	1827.	6.218
358.	4.476	1828.	6.194
359.	4.44	1829.	6.235
360.	4.454	1830.	6.217
361.	4.525	1831.	6.182
362.	4.457	1832.	6.204

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	4.494	1833.	6.157
364.	4.483	1834.	6.166
365.	4.555	1835.	6.141
366.	4.515	1836.	6.146
367.	4.582	1837.	6.142
368.	4.554	1838.	6.162
369.	4.572	1839.	6.157
370.	4.568	1840.	6.104
371.	4.553	1841.	6.105
372.	4.555	1842.	6.135
373.	4.564	1843.	6.152
374.	4.593	1844.	6.112
375.	4.634	1845.	6.064
376.	4.635	1846.	6.061
377.	4.612	1847.	6.054
378.	4.603	1848.	6.059
379.	4.595	1849.	6.041
380.	4.642	1850.	6.08
381.	4.632	1851.	6.068
382.	4.641	1852.	6.05
383.	4.61	1853.	6.024
384.	4.708	1854.	6.061
385.	4.705	1855.	6.004
386.	4.671	1856.	6.009
387.	4.675	1857.	6.003
388.	4.696	1858.	6.011
389.	4.644	1859.	6.024
390.	4.692	1860.	5.975
391.	4.712	1861.	5.985
392.	4.724	1862.	5.987
393.	4.734	1863.	5.948
394.	4.756	1864.	5.966
395.	4.771	1865.	5.96
396.	4.755	1866.	6.004
397.	4.77	1867.	5.944
398.	4.749	1868.	5.914
399.	4.763	1869.	5.938
400.	4.734	1870.	5.953
401.	4.738	1871.	5.934
402.	4.772	1872.	5.934
403.	4.768	1873.	5.889
404.	4.773	1874.	5.909
405.	4.832	1875.	5.879
406.	4.8	1876.	5.926
407.	4.808	1877.	5.887
408.	4.838	1878.	5.89
409.	4.851	1879.	5.88
410.	4.812	1880.	5.876
411.	4.821	1881.	5.842
412.	4.879	1882.	5.834
413.	4.884	1883.	5.83
414.	4.876	1884.	5.852
415.	4.899	1885.	5.833
416.	4.877	1886.	5.839
417.	4.936	1887.	5.778
418.	4.918	1888.	5.819
419.	4.861	1889.	5.815
420.	4.94	1890.	5.826
421.	4.897	1891.	5.773
422.	4.917	1892.	5.763
423.	4.989	1893.	5.786
424.	4.927	1894.	5.793
425.	5.004	1895.	5.806
426.	4.974	1896.	5.777
427.	4.987	1897.	5.742
428.	4.946	1898.	5.796

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	4.983	1899.	5.767
430.	4.989	1900.	5.787
431.	5.03	1901.	5.748
432.	5.051	1902.	5.735
433.	5.031	1903.	5.737
434.	5.002	1904.	5.706
435.	5.035	1905.	5.72
436.	5.091	1906.	5.76
437.	5.14	1907.	5.763
438.	5.13	1908.	5.669
439.	5.086	1909.	5.691
440.	5.067	1910.	5.688
441.	5.114	1911.	5.698
442.	5.093	1912.	5.683
443.	5.112	1913.	5.643
444.	5.154	1914.	5.658
445.	5.144	1915.	5.669
446.	5.133	1916.	5.652
447.	5.13	1917.	5.65
448.	5.156	1918.	5.664
449.	5.205	1919.	5.629
450.	5.172	1920.	5.637
451.	5.17	1921.	5.642
452.	5.14	1922.	5.614
453.	5.218	1923.	5.628
454.	5.223	1924.	5.607
455.	5.166	1925.	5.631
456.	5.206	1926.	5.638
457.	5.242	1927.	5.61
458.	5.245	1928.	5.599
459.	5.289	1929.	5.597
460.	5.276	1930.	5.633
461.	5.293	1931.	5.57
462.	5.268	1932.	5.581
463.	5.314	1933.	5.583
464.	5.301	1934.	5.551
465.	5.284	1935.	5.545
466.	5.316	1936.	5.536
467.	5.272	1937.	5.538
468.	5.326	1938.	5.571
469.	5.318	1939.	5.551
470.	5.361	1940.	5.524
471.	5.33	1941.	5.53
472.	5.352	1942.	5.521
473.	5.394	1943.	5.488
474.	5.407	1944.	5.522
475.	5.395	1945.	5.49
476.	5.426	1946.	5.507
477.	5.423	1947.	5.526
478.	5.414	1948.	5.521
479.	5.47	1949.	5.497
480.	5.455	1950.	5.469
481.	5.463	1951.	5.467
482.	5.413	1952.	5.476
483.	5.416	1953.	5.478
484.	5.44	1954.	5.455
485.	5.446	1955.	5.434
486.	5.463	1956.	5.439
487.	5.513	1957.	5.455
488.	5.544	1958.	5.45
489.	5.531	1959.	5.448
490.	5.465	1960.	5.417
491.	5.508	1961.	5.421
492.	5.547	1962.	5.42
493.	5.503	1963.	5.405
494.	5.509	1964.	5.411

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	5.537	1965.	5.429
496.	5.545	1966.	5.417
497.	5.553	1967.	5.386
498.	5.55	1968.	5.39
499.	5.574	1969.	5.384
500.	5.517	1970.	5.42
501.	5.557	1971.	5.351
502.	5.637	1972.	5.371
503.	5.586	1973.	5.348
504.	5.6	1974.	5.377
505.	5.62	1975.	5.351
506.	5.635	1976.	5.359
507.	5.621	1977.	5.353
508.	5.615	1978.	5.337
509.	5.687	1979.	5.335
510.	5.637	1980.	5.34
511.	5.628	1981.	5.34
512.	5.648	1982.	5.301
513.	5.724	1983.	5.306
514.	5.711	1984.	5.302
515.	5.672	1985.	5.278
516.	5.658	1986.	5.324
517.	5.729	1987.	5.316
518.	5.704	1988.	5.284
519.	5.702	1989.	5.285
520.	5.701	1990.	5.281
521.	5.752	1991.	5.26
522.	5.751	1992.	5.273
523.	5.76	1993.	5.32
524.	5.73	1994.	5.251
525.	5.81	1995.	5.26
526.	5.789	1996.	5.276
527.	5.794	1997.	5.225
528.	5.76	1998.	5.251
529.	5.782	1999.	5.221
530.	5.85	2000.	5.243
531.	5.824	2001.	5.222
532.	5.811	2002.	5.18
533.	5.831	2003.	5.208
534.	5.868	2004.	5.225
535.	5.869	2005.	5.239
536.	5.866	2006.	5.203
537.	5.899	2007.	5.203
538.	5.887	2008.	5.175
539.	5.862	2009.	5.174
540.	5.901	2010.	5.197
541.	5.902	2011.	5.173
542.	5.926	2012.	5.215
543.	5.909	2013.	5.174
544.	5.918	2014.	5.206
545.	5.897	2015.	5.16
546.	5.906	2016.	5.178
547.	5.909	2017.	5.174
548.	5.934	2018.	5.138
549.	5.948	2019.	5.118
550.	5.955	2020.	5.177
551.	5.966	2021.	5.174
552.	5.974	2022.	5.141
553.	5.969	2023.	5.144
554.	5.987	2024.	5.137
555.	5.985	2025.	5.128
556.	6.033	2026.	5.12
557.	6.006	2027.	5.136
558.	6.017	2028.	5.115
559.	6.01	2029.	5.102
560.	6.065	2030.	5.124

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	6.059	2031.	5.121
562.	6.081	2032.	5.104
563.	6.07	2033.	5.102
564.	6.09	2034.	5.088
565.	6.07	2035.	5.096
566.	6.091	2036.	5.075
567.	6.068	2037.	5.047
568.	6.096	2038.	5.11
569.	6.111	2039.	5.087
570.	6.114	2040.	5.034
571.	6.082	2041.	5.061
572.	6.129	2042.	5.041
573.	6.118	2043.	5.025
574.	6.14	2044.	5.049
575.	6.176	2045.	5.035
576.	6.182	2046.	5.02
577.	6.169	2047.	5.03
578.	6.18	2048.	5.053
579.	6.149	2049.	5.04
580.	6.237	2050.	5.017
581.	6.173	2051.	5.037
582.	6.182	2052.	4.974
583.	6.188	2053.	5.027
584.	6.212	2054.	5.03
585.	6.228	2055.	5.028
586.	6.249	2056.	4.975
587.	6.219	2057.	4.975
588.	6.242	2058.	5.025
589.	6.237	2059.	4.974
590.	6.217	2060.	4.977
591.	6.258	2061.	4.966
592.	6.235	2062.	4.966
593.	6.263	2063.	4.95
594.	6.259	2064.	4.941
595.	6.243	2065.	4.949
596.	6.267	2066.	4.962
597.	6.331	2067.	4.975
598.	6.293	2068.	4.965
599.	6.29	2069.	4.959
600.	6.346	2070.	4.909
601.	6.316	2071.	4.945
602.	6.353	2072.	4.937
603.	6.338	2073.	4.939
604.	6.367	2074.	4.92
605.	6.381	2075.	4.934
606.	6.391	2076.	4.881
607.	6.373	2077.	4.912
608.	6.365	2078.	4.885
609.	6.411	2079.	4.91
610.	6.382	2080.	4.869
611.	6.414	2081.	4.911
612.	6.388	2082.	4.887
613.	6.414	2083.	4.893
614.	6.403	2084.	4.885
615.	6.445	2085.	4.878
616.	6.442	2086.	4.871
617.	6.475	2087.	4.858
618.	6.426	2088.	4.876
619.	6.465	2089.	4.845
620.	6.424	2090.	4.865
621.	6.453	2091.	4.845
622.	6.454	2092.	4.868
623.	6.509	2093.	4.856
624.	6.433	2094.	4.848
625.	6.481	2095.	4.861
626.	6.493	2096.	4.849

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	6.449	2097.	4.867
628.	6.478	2098.	4.804
629.	6.5	2099.	4.852
630.	6.509	2100.	4.821
631.	6.487	2101.	4.785
632.	6.538	2102.	4.831
633.	6.568	2103.	4.803
634.	6.557	2104.	4.787
635.	6.556	2105.	4.822
636.	6.55	2106.	4.789
637.	6.585	2107.	4.808
638.	6.548	2108.	4.806
639.	6.568	2109.	4.759
640.	6.6	2110.	4.792
641.	6.631	2111.	4.761
642.	6.554	2112.	4.793
643.	6.6	2113.	4.787
644.	6.561	2114.	4.798
645.	6.574	2115.	4.74
646.	6.602	2116.	4.779
647.	6.64	2117.	4.774
648.	6.655	2118.	4.757
649.	6.616	2119.	4.763
650.	6.653	2120.	4.786
651.	6.636	2121.	4.75
652.	6.619	2122.	4.744
653.	6.648	2123.	4.762
654.	6.646	2124.	4.755
655.	6.67	2125.	4.729
656.	6.697	2126.	4.698
657.	6.667	2127.	4.735
658.	6.702	2128.	4.766
659.	6.714	2129.	4.734
660.	6.708	2130.	4.713
661.	6.725	2131.	4.731
662.	6.72	2132.	4.691
663.	6.727	2133.	4.712
664.	6.714	2134.	4.714
665.	6.764	2135.	4.687
666.	6.718	2136.	4.732
667.	6.786	2137.	4.708
668.	6.795	2138.	4.717
669.	6.757	2139.	4.681
670.	6.801	2140.	4.709
671.	6.787	2141.	4.658
672.	6.779	2142.	4.709
673.	6.796	2143.	4.692
674.	6.805	2144.	4.704
675.	6.792	2145.	4.668
676.	6.806	2146.	4.648
677.	6.842	2147.	4.65
678.	6.804	2148.	4.651
679.	6.84	2149.	4.627
680.	6.828	2150.	4.63
681.	6.828	2151.	4.667
682.	6.814	2152.	4.666
683.	6.865	2153.	4.659
684.	6.871	2154.	4.647
685.	6.841	2155.	4.65
686.	6.859	2156.	4.645
687.	6.917	2157.	4.629
688.	6.885	2158.	4.627
689.	6.889	2159.	4.617
690.	6.918	2160.	4.663
691.	6.901	2161.	4.624
692.	6.914	2162.	4.584

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	6.921	2163.	4.61
694.	6.901	2164.	4.591
695.	6.954	2165.	4.599
696.	6.933	2166.	4.631
697.	6.957	2167.	4.582
698.	6.95	2168.	4.579
699.	6.95	2169.	4.611
700.	6.964	2170.	4.6
701.	6.949	2171.	4.545
702.	6.982	2172.	4.575
703.	6.999	2173.	4.581
704.	7.011	2174.	4.588
705.	7.002	2175.	4.577
706.	6.984	2176.	4.557
707.	6.962	2177.	4.547
708.	6.995	2178.	4.591
709.	7.04	2179.	4.529
710.	7.045	2180.	4.564
711.	7.003	2181.	4.566
712.	7.065	2182.	4.548
713.	7.057	2183.	4.547
714.	7.068	2184.	4.567
715.	7.071	2185.	4.508
716.	7.08	2186.	4.55
717.	7.058	2187.	4.564
718.	7.06	2188.	4.532
719.	7.057	2189.	4.502
720.	7.086	2190.	4.537
721.	7.084	2191.	4.51
722.	7.099	2192.	4.543
723.	7.12	2193.	4.487
724.	7.111	2194.	4.456
725.	7.068	2195.	4.529
726.	7.117	2196.	4.5
727.	7.146	2197.	4.473
728.	7.163	2198.	4.514
729.	7.125	2199.	4.516
730.	7.18	2200.	4.488
731.	7.166	2201.	4.523
732.	7.139	2202.	4.458
733.	7.173	2203.	4.506
734.	7.198	2204.	4.471
735.	7.164	2205.	4.485
736.	7.176	2206.	4.495
737.	7.193	2207.	4.465
738.	7.203	2208.	4.451
739.	7.19	2209.	4.464
740.	7.24	2210.	4.482
741.	7.226	2211.	4.444
742.	7.208	2212.	4.457
743.	7.222	2213.	4.458
744.	7.266	2214.	4.456
745.	7.22	2215.	4.445
746.	7.243	2216.	4.449
747.	7.229	2217.	4.436
748.	7.207	2218.	4.426
749.	7.282	2219.	4.45
750.	7.265	2220.	4.416
751.	7.27	2221.	4.432
752.	7.274	2222.	4.441
753.	7.282	2223.	4.451
754.	7.261	2224.	4.403
755.	7.325	2225.	4.392
756.	7.318	2226.	4.44
757.	7.279	2227.	4.396
758.	7.355	2228.	4.394

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	7.352	2229.	4.407
760.	7.335	2230.	4.41
761.	7.327	2231.	4.446
762.	7.314	2232.	4.379
763.	7.337	2233.	4.39
764.	7.366	2234.	4.374
765.	7.361	2235.	4.39
766.	7.355	2236.	4.423
767.	7.365	2237.	4.372
768.	7.373	2238.	4.355
769.	7.357	2239.	4.39
770.	7.329	2240.	4.367
771.	7.354	2241.	4.348
772.	7.386	2242.	4.369
773.	7.41	2243.	4.348
774.	7.455	2244.	4.36
775.	7.407	2245.	4.357
776.	7.385	2246.	4.374
777.	7.43	2247.	4.32
778.	7.392	2248.	4.37
779.	7.371	2249.	4.379
780.	7.435	2250.	4.342
781.	7.411	2251.	4.344
782.	7.408	2252.	4.375
783.	7.479	2253.	4.361
784.	7.501	2254.	4.341
785.	7.453	2255.	4.328
786.	7.516	2256.	4.295
787.	7.51	2257.	4.339
788.	7.507	2258.	4.329
789.	7.532	2259.	4.355
790.	7.511	2260.	4.313
791.	7.507	2261.	4.321
792.	7.513	2262.	4.32
793.	7.535	2263.	4.329
794.	7.499	2264.	4.313
795.	7.534	2265.	4.331
796.	7.536	2266.	4.267
797.	7.532	2267.	4.284
798.	7.541	2268.	4.346
799.	7.546	2269.	4.261
800.	7.56	2270.	4.274
801.	7.557	2271.	4.287
802.	7.598	2272.	4.305
803.	7.582	2273.	4.306
804.	7.579	2274.	4.287
805.	7.579	2275.	4.309
806.	7.589	2276.	4.278
807.	7.604	2277.	4.288
808.	7.598	2278.	4.258
809.	7.597	2279.	4.255
810.	7.561	2280.	4.247
811.	7.633	2281.	4.295
812.	7.595	2282.	4.267
813.	7.655	2283.	4.255
814.	7.598	2284.	4.24
815.	7.634	2285.	4.24
816.	7.63	2286.	4.219
817.	7.644	2287.	4.275
818.	7.676	2288.	4.263
819.	7.655	2289.	4.309
820.	7.677	2290.	4.251
821.	7.707	2291.	4.233
822.	7.681	2292.	4.231
823.	7.691	2293.	4.255
824.	7.669	2294.	4.226

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	7.713	2295.	4.199
826.	7.667	2296.	4.228
827.	7.696	2297.	4.256
828.	7.662	2298.	4.257
829.	7.696	2299.	4.245
830.	7.711	2300.	4.174
831.	7.702	2301.	4.253
832.	7.737	2302.	4.159
833.	7.699	2303.	4.197
834.	7.743	2304.	4.211
835.	7.761	2305.	4.214
836.	7.751	2306.	4.202
837.	7.765	2307.	4.221
838.	7.759	2308.	4.148
839.	7.782	2309.	4.176
840.	7.76	2310.	4.166
841.	7.768	2311.	4.169
842.	7.776	2312.	4.178
843.	7.752	2313.	4.157
844.	7.801	2314.	4.141
845.	7.755	2315.	4.155
846.	7.817	2316.	4.15
847.	7.764	2317.	4.205
848.	7.786	2318.	4.174
849.	7.831	2319.	4.153
850.	7.786	2320.	4.144
851.	7.824	2321.	4.135
852.	7.816	2322.	4.148
853.	7.825	2323.	4.15
854.	7.811	2324.	4.119
855.	7.867	2325.	4.152
856.	7.826	2326.	4.153
857.	7.878	2327.	4.112
858.	7.856	2328.	4.146
859.	7.86	2329.	4.126
860.	7.861	2330.	4.153
861.	7.864	2331.	4.125
862.	7.846	2332.	4.122
863.	7.865	2333.	4.097
864.	7.918	2334.	4.123
865.	7.859	2335.	4.148
866.	7.898	2336.	4.141
867.	7.897	2337.	4.091
868.	7.915	2338.	4.118
869.	7.905	2339.	4.116
870.	7.869	2340.	4.077
871.	7.92	2341.	4.12
872.	7.914	2342.	4.06
873.	7.918	2343.	4.106
874.	7.928	2344.	4.075
875.	7.938	2345.	4.133
876.	7.987	2346.	4.095
877.	7.964	2347.	4.052
878.	7.96	2348.	4.09
879.	7.99	2349.	4.045
880.	7.967	2350.	4.086
881.	7.976	2351.	4.084
882.	7.955	2352.	4.079
883.	7.985	2353.	4.07
884.	8.013	2354.	4.06
885.	8.002	2355.	4.058
886.	7.996	2356.	4.029
887.	8.018	2357.	4.053
888.	8.04	2358.	4.095
889.	8.003	2359.	4.081
890.	8.053	2360.	4.066

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	8.03	2361.	4.03
892.	8.05	2362.	4.014
893.	8.068	2363.	4.022
894.	8.037	2364.	3.994
895.	8.048	2365.	4.037
896.	8.054	2366.	4.036
897.	8.074	2367.	4.001
898.	8.081	2368.	3.997
899.	8.062	2369.	3.968
900.	8.067	2370.	3.99
901.	8.095	2371.	4.015
902.	8.117	2372.	4.01
903.	8.093	2373.	4.042
904.	8.116	2374.	4.009
905.	8.096	2375.	4.001
906.	8.093	2376.	4.035
907.	8.11	2377.	3.995
908.	8.123	2378.	4.043
909.	8.114	2379.	3.983
910.	8.102	2380.	3.989
911.	8.123	2381.	3.938
912.	8.136	2382.	3.965
913.	8.153	2383.	3.983
914.	8.152	2384.	4.002
915.	8.123	2385.	3.988
916.	8.151	2386.	3.98
917.	8.176	2387.	3.915
918.	8.19	2388.	3.983
919.	8.198	2389.	3.964
920.	8.171	2390.	3.99
921.	8.147	2391.	3.975
922.	8.139	2392.	3.982
923.	8.195	2393.	3.952
924.	8.211	2394.	3.944
925.	8.198	2395.	3.941
926.	8.187	2396.	3.959
927.	8.175	2397.	3.947
928.	8.169	2398.	3.944
929.	8.212	2399.	3.924
930.	8.222	2400.	3.955
931.	8.217	2401.	3.898
932.	8.262	2402.	3.973
933.	8.229	2403.	3.904
934.	8.212	2404.	3.981
935.	8.257	2405.	3.927
936.	8.25	2406.	3.982
937.	8.265	2407.	3.922
938.	8.26	2408.	3.884
939.	8.229	2409.	3.961
940.	8.253	2410.	3.905
941.	8.282	2411.	3.93
942.	8.303	2412.	3.892
943.	8.216	2413.	3.916
944.	8.314	2414.	3.906
945.	8.27	2415.	3.878
946.	8.317	2416.	3.907
947.	8.341	2417.	3.891
948.	8.271	2418.	3.9
949.	8.303	2419.	3.918
950.	8.307	2420.	3.89
951.	8.309	2421.	3.847
952.	8.285	2422.	3.904
953.	8.304	2423.	3.906
954.	8.312	2424.	3.901
955.	8.314	2425.	3.886
956.	8.345	2426.	3.863

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	8.319	2427.	3.853
958.	8.352	2428.	3.866
959.	8.361	2429.	3.852
960.	8.319	2430.	3.872
961.	8.34	2431.	3.866
962.	8.353	2432.	3.882
963.	8.34	2433.	3.838
964.	8.411	2434.	3.864
965.	8.358	2435.	3.878
966.	8.343	2436.	3.828
967.	8.414	2437.	3.884
968.	8.347	2438.	3.854
969.	8.419	2439.	3.849
970.	8.427	2440.	3.879
971.	8.407	2441.	3.842
972.	8.436	2442.	3.845
973.	8.419	2443.	3.834
974.	8.432	2444.	3.839
975.	8.429	2445.	3.826
976.	8.453	2446.	3.853
977.	8.458	2447.	3.806
978.	8.415	2448.	3.837
979.	8.455	2449.	3.854
980.	8.424	2450.	3.771
981.	8.45	2451.	3.808
982.	8.466	2452.	3.803
983.	8.436	2453.	3.847
984.	8.477	2454.	3.809
985.	8.466	2455.	3.8
986.	8.467	2456.	3.811
987.	8.447	2457.	3.799
988.	8.48	2458.	3.804
989.	8.439	2459.	3.761
990.	8.494	2460.	3.814
991.	8.475	2461.	3.755
992.	8.489	2462.	3.786
993.	8.494	2463.	3.81
994.	8.497	2464.	3.769
995.	8.515	2465.	3.8
996.	8.496	2466.	3.76
997.	8.507	2467.	3.779
998.	8.547	2468.	3.747
999.	8.514	2469.	3.776
1000.	8.51	2470.	3.769
1001.	8.538	2471.	3.806
1002.	8.548	2472.	3.772
1003.	8.53	2473.	3.766
1004.	8.562	2474.	3.74
1005.	8.565	2475.	3.762
1006.	8.545	2476.	3.749
1007.	8.553	2477.	3.75
1008.	8.539	2478.	3.749
1009.	8.587	2479.	3.758
1010.	8.561	2480.	3.734
1011.	8.572	2481.	3.751
1012.	8.607	2482.	3.743
1013.	8.613	2483.	3.728
1014.	8.586	2484.	3.762
1015.	8.64	2485.	3.721
1016.	8.59	2486.	3.743
1017.	8.641	2487.	3.741
1018.	8.603	2488.	3.702
1019.	8.612	2489.	3.747
1020.	8.611	2490.	3.72
1021.	8.609	2491.	3.676
1022.	8.584	2492.	3.72

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	8.61	2493.	3.754
1024.	8.642	2494.	3.726
1025.	8.661	2495.	3.696
1026.	8.646	2496.	3.697
1027.	8.632	2497.	3.727
1028.	8.652	2498.	3.692
1029.	8.679	2499.	3.714
1030.	8.679	2500.	3.686
1031.	8.606	2501.	3.685
1032.	8.646	2502.	3.694
1033.	8.659	2503.	3.679
1034.	8.645	2504.	3.685
1035.	8.692	2505.	3.732
1036.	8.705	2506.	3.699
1037.	8.681	2507.	3.712
1038.	8.663	2508.	3.676
1039.	8.703	2509.	3.64
1040.	8.687	2510.	3.671
1041.	8.676	2511.	3.663
1042.	8.706	2512.	3.658
1043.	8.673	2513.	3.647
1044.	8.723	2514.	3.647
1045.	8.73	2515.	3.657
1046.	8.694	2516.	3.657
1047.	8.72	2517.	3.627
1048.	8.724	2518.	3.66
1049.	8.768	2519.	3.643
1050.	8.735	2520.	3.624
1051.	8.743	2521.	3.648
1052.	8.79	2522.	3.638
1053.	8.755	2523.	3.63
1054.	8.783	2524.	3.615
1055.	8.733	2525.	3.633
1056.	8.735	2526.	3.633
1057.	8.767	2527.	3.623
1058.	8.756	2528.	3.625
1059.	8.778	2529.	3.655
1060.	8.758	2530.	3.61
1061.	8.798	2531.	3.617
1062.	8.783	2532.	3.631
1063.	8.792	2533.	3.62
1064.	8.772	2534.	3.564
1065.	8.836	2535.	3.606
1066.	8.777	2536.	3.582
1067.	8.791	2537.	3.615
1068.	8.805	2538.	3.612
1069.	8.79	2539.	3.628
1070.	8.805	2540.	3.565
1071.	8.834	2541.	3.564
1072.	8.811	2542.	3.565
1073.	8.822	2543.	3.607
1074.	8.827	2544.	3.539
1075.	8.822	2545.	3.571
1076.	8.792	2546.	3.567
1077.	8.847	2547.	3.557
1078.	8.873	2548.	3.566
1079.	8.873	2549.	3.568
1080.	8.819	2550.	3.59
1081.	8.881	2551.	3.546
1082.	8.865	2552.	3.561
1083.	8.856	2553.	3.562
1084.	8.864	2554.	3.582
1085.	8.85	2555.	3.541
1086.	8.909	2556.	3.547
1087.	8.865	2557.	3.527
1088.	8.875	2558.	3.499

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	8.9	2559.	3.586
1090.	8.912	2560.	3.503
1091.	8.883	2561.	3.551
1092.	8.906	2562.	3.529
1093.	8.901	2563.	3.55
1094.	8.919	2564.	3.511
1095.	8.911	2565.	3.554
1096.	8.926	2566.	3.524
1097.	8.905	2567.	3.546
1098.	8.935	2568.	3.514
1099.	8.914	2569.	3.504
1100.	8.877	2570.	3.496
1101.	8.928	2571.	3.485
1102.	8.977	2572.	3.528
1103.	8.938	2573.	3.5
1104.	8.968	2574.	3.53
1105.	8.944	2575.	3.489
1106.	9.018	2576.	3.486
1107.	8.976	2577.	3.509
1108.	8.977	2578.	3.498
1109.	8.951	2579.	3.519
1110.	8.973	2580.	3.474
1111.	8.96	2581.	3.518
1112.	8.951	2582.	3.456
1113.	8.943	2583.	3.506
1114.	8.955	2584.	3.523
1115.	8.999	2585.	3.462
1116.	8.979	2586.	3.492
1117.	8.982	2587.	3.489
1118.	8.979	2588.	3.461
1119.	8.996	2589.	3.508
1120.	9.006	2590.	3.486
1121.	9.01	2591.	3.511
1122.	9.027	2592.	3.479
1123.	9.004	2593.	3.49
1124.	9.013	2594.	3.471
1125.	9.052	2595.	3.474
1126.	9.027	2596.	3.447
1127.	8.992	2597.	3.457
1128.	9.014	2598.	3.448
1129.	9.011	2599.	3.464
1130.	9.027	2600.	3.448
1131.	9.021	2601.	3.459
1132.	9.046	2602.	3.484
1133.	9.033	2603.	3.422
1134.	9.048	2604.	3.428
1135.	9.062	2605.	3.421
1136.	9.075	2606.	3.438
1137.	9.101	2607.	3.429
1138.	9.056	2608.	3.412
1139.	9.069	2609.	3.446
1140.	9.076	2610.	3.434
1141.	9.084	2611.	3.413
1142.	9.083	2612.	3.437
1143.	9.085	2613.	3.433
1144.	9.031	2614.	3.431
1145.	9.116	2615.	3.468
1146.	9.11	2616.	3.431
1147.	9.153	2617.	3.427
1148.	9.121	2618.	3.418
1149.	9.132	2619.	3.455
1150.	9.135	2620.	3.403
1151.	9.093	2621.	3.409
1152.	9.145	2622.	3.42
1153.	9.113	2623.	3.432
1154.	9.135	2624.	3.396

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	9.106	2625.	3.409
1156.	9.132	2626.	3.383
1157.	9.108	2627.	3.38
1158.	9.148	2628.	3.401
1159.	9.152	2629.	3.413
1160.	9.146	2630.	3.39
1161.	9.13	2631.	3.372
1162.	9.185	2632.	3.362
1163.	9.149	2633.	3.36
1164.	9.164	2634.	3.39
1165.	9.136	2635.	3.381
1166.	9.182	2636.	3.355
1167.	9.194	2637.	3.399
1168.	9.158	2638.	3.395
1169.	9.16	2639.	3.349
1170.	9.181	2640.	3.342
1171.	9.185	2641.	3.353
1172.	9.172	2642.	3.355
1173.	9.163	2643.	3.337
1174.	9.202	2644.	3.359
1175.	9.233	2645.	3.355
1176.	9.187	2646.	3.349
1177.	9.208	2647.	3.332
1178.	9.206	2648.	3.341
1179.	9.186	2649.	3.368
1180.	9.233	2650.	3.344
1181.	9.191	2651.	3.366
1182.	9.255	2652.	3.329
1183.	9.208	2653.	3.359
1184.	9.222	2654.	3.374
1185.	9.259	2655.	3.336
1186.	9.252	2656.	3.313
1187.	9.258	2657.	3.311
1188.	9.25	2658.	3.329
1189.	9.222	2659.	3.342
1190.	9.246	2660.	3.31
1191.	9.27	2661.	3.361
1192.	9.265	2662.	3.311
1193.	9.278	2663.	3.341
1194.	9.254	2664.	3.331
1195.	9.264	2665.	3.315
1196.	9.312	2666.	3.315
1197.	9.254	2667.	3.309
1198.	9.288	2668.	3.325
1199.	9.268	2669.	3.31
1200.	9.288	2670.	3.303
1201.	9.251	2671.	3.334
1202.	9.288	2672.	3.293
1203.	9.287	2673.	3.302
1204.	9.308	2674.	3.306
1205.	9.312	2675.	3.29
1206.	9.282	2676.	3.315
1207.	9.306	2677.	3.238
1208.	9.315	2678.	3.276
1209.	9.313	2679.	3.269
1210.	9.309	2680.	3.289
1211.	9.35	2681.	3.284
1212.	9.31	2682.	3.306
1213.	9.306	2683.	3.281
1214.	9.302	2684.	3.304
1215.	9.357	2685.	3.268
1216.	9.347	2686.	3.264
1217.	9.33	2687.	3.289
1218.	9.359	2688.	3.264
1219.	9.34	2689.	3.262
1220.	9.343	2690.	3.249

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	9.331	2691.	3.267
1222.	9.376	2692.	3.259
1223.	9.388	2693.	3.259
1224.	9.361	2694.	3.274
1225.	9.381	2695.	3.248
1226.	9.384	2696.	3.228
1227.	9.348	2697.	3.222
1228.	9.331	2698.	3.255
1229.	9.386	2699.	3.252
1230.	9.393	2700.	3.219
1231.	9.38	2701.	3.268
1232.	9.369	2702.	3.209
1233.	9.348	2703.	3.215
1234.	9.37	2704.	3.253
1235.	9.386	2705.	3.199
1236.	9.384	2706.	3.237
1237.	9.409	2707.	3.207
1238.	9.367	2708.	3.223
1239.	9.423	2709.	3.23
1240.	9.41	2710.	3.231
1241.	9.414	2711.	3.219
1242.	9.419	2712.	3.21
1243.	9.417	2713.	3.218
1244.	9.372	2714.	3.208
1245.	9.423	2715.	3.181
1246.	9.419	2716.	3.202
1247.	9.397	2717.	3.208
1248.	9.489	2718.	3.186
1249.	9.41	2719.	3.231
1250.	9.398	2720.	3.194
1251.	9.43	2721.	3.18
1252.	9.49	2722.	3.184
1253.	9.454	2723.	3.191
1254.	9.438	2724.	3.155
1255.	9.42	2725.	3.176
1256.	9.433	2726.	3.171
1257.	9.42	2727.	3.21
1258.	9.448	2728.	3.226
1259.	9.467	2729.	3.212
1260.	9.46	2730.	3.188
1261.	9.438	2731.	3.169
1262.	9.462	2732.	3.191
1263.	9.47	2733.	3.181
1264.	9.448	2734.	3.171
1265.	9.474	2735.	3.195
1266.	9.457	2736.	3.163
1267.	9.491	2737.	3.165
1268.	9.486	2738.	3.164
1269.	9.473	2739.	3.143
1270.	9.508	2740.	3.178
1271.	9.501	2741.	3.151
1272.	9.497	2742.	3.18
1273.	9.5	2743.	3.166
1274.	9.479	2744.	3.175
1275.	9.527	2745.	3.155
1276.	9.554	2746.	3.121
1277.	9.52	2747.	3.167
1278.	9.535	2748.	3.158
1279.	9.531	2749.	3.129
1280.	9.499	2750.	3.152
1281.	9.492	2751.	3.151
1282.	9.531	2752.	3.14
1283.	9.517	2753.	3.163
1284.	9.538	2754.	3.149
1285.	9.494	2755.	3.153
1286.	9.544	2756.	3.157

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	9.525	2757.	3.119
1288.	9.561	2758.	3.124
1289.	9.535	2759.	3.134
1290.	9.553	2760.	3.145
1291.	9.563	2761.	3.111
1292.	9.524	2762.	3.101
1293.	9.539	2763.	3.089
1294.	9.536	2764.	3.101
1295.	9.565	2765.	3.094
1296.	9.58	2766.	3.111
1297.	9.541	2767.	3.114
1298.	9.545	2768.	3.082
1299.	9.57	2769.	3.115
1300.	9.57	2770.	3.102
1301.	9.584	2771.	3.082
1302.	9.569	2772.	3.098
1303.	9.596	2773.	3.105
1304.	9.574	2774.	3.078
1305.	9.61	2775.	3.108
1306.	9.58	2776.	3.084
1307.	9.626	2777.	3.073
1308.	9.627	2778.	3.09
1309.	9.595	2779.	3.076
1310.	9.597	2780.	3.086
1311.	9.613	2781.	3.087
1312.	9.604	2782.	3.063
1313.	9.634	2783.	3.059
1314.	9.637	2784.	3.061
1315.	9.628	2785.	3.091
1316.	9.606	2786.	3.066
1317.	9.621	2787.	3.036
1318.	9.634	2788.	3.065
1319.	9.624	2789.	3.082
1320.	9.683	2790.	3.052
1321.	9.665	2791.	3.048
1322.	9.679	2792.	3.061
1323.	9.65	2793.	3.019
1324.	9.685	2794.	3.018
1325.	9.674	2795.	3.05
1326.	9.668	2796.	3.053
1327.	9.609	2797.	3.046
1328.	9.687	2798.	3.035
1329.	9.696	2799.	3.026
1330.	9.68	2800.	3.054
1331.	9.683	2801.	3.017
1332.	9.68	2802.	3.027
1333.	9.674	2803.	3.024
1334.	9.692	2804.	3.045
1335.	9.693	2805.	3.021
1336.	9.713	2806.	3.011
1337.	9.683	2807.	3.051
1338.	9.726	2808.	2.992
1339.	9.679	2809.	3.044
1340.	9.709	2810.	3.029
1341.	9.691	2811.	3.036
1342.	9.707	2812.	3.047
1343.	9.743	2813.	3.042
1344.	9.754	2814.	3.051
1345.	9.713	2815.	3.021
1346.	9.766	2816.	3.032
1347.	9.695	2817.	3.04
1348.	9.728	2818.	3.049
1349.	9.743	2819.	3.005
1350.	9.717	2820.	2.996
1351.	9.737	2821.	3.007
1352.	9.772	2822.	3.004

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	9.762	2823.	3.012
1354.	9.782	2824.	2.998
1355.	9.777	2825.	2.994
1356.	9.756	2826.	2.979
1357.	9.739	2827.	3.02
1358.	9.768	2828.	3.039
1359.	9.788	2829.	2.993
1360.	9.773	2830.	3.018
1361.	9.77	2831.	2.97
1362.	9.782	2832.	3.014
1363.	9.783	2833.	3.019
1364.	9.791	2834.	2.99
1365.	9.814	2835.	3.019
1366.	9.802	2836.	2.98
1367.	9.806	2837.	3.009
1368.	9.778	2838.	2.973
1369.	9.808	2839.	2.957
1370.	9.796	2840.	2.99
1371.	9.817	2841.	2.999
1372.	9.785	2842.	2.951
1373.	9.828	2843.	3.007
1374.	9.836	2844.	2.991
1375.	9.814	2845.	2.999
1376.	9.783	2846.	2.974
1377.	9.838	2847.	2.954
1378.	9.847	2848.	2.969
1379.	9.846	2849.	2.987
1380.	9.833	2850.	2.945
1381.	9.826	2851.	2.976
1382.	9.892	2852.	2.981
1383.	9.804	2853.	2.951
1384.	9.874	2854.	2.937
1385.	9.865	2855.	2.954
1386.	9.874	2856.	2.926
1387.	9.826	2857.	2.967
1388.	9.873	2858.	2.976
1389.	9.867	2859.	2.93
1390.	9.875	2860.	2.941
1391.	9.881	2861.	2.951
1392.	9.865	2862.	2.92
1393.	9.929	2863.	2.956
1394.	9.914	2864.	2.949
1395.	9.911	2865.	2.968
1396.	9.902	2866.	2.886
1397.	9.926	2867.	2.956
1398.	9.901	2868.	2.937
1399.	9.894	2869.	2.911
1400.	9.886	2870.	2.949
1401.	9.923	2871.	2.936
1402.	9.915	2872.	2.922
1403.	9.929	2873.	2.904
1404.	9.931	2874.	2.913
1405.	9.937	2875.	2.916
1406.	9.951	2876.	2.922
1407.	9.957	2877.	2.906
1408.	9.959	2878.	2.918
1409.	9.939	2879.	2.92
1410.	9.956	2880.	2.936
1411.	9.956	2881.	2.923
1412.	9.962	2882.	2.896
1413.	9.945	2883.	2.903
1414.	9.975	2884.	2.92
1415.	9.937	2885.	2.93
1416.	9.985	2886.	2.882
1417.	9.983	2887.	2.904
1418.	9.958	2888.	2.908

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	9.959	2889.	2.89
1420.	9.965	2890.	2.928
1421.	9.975	2891.	2.879
1422.	9.987	2892.	2.893
1423.	9.991	2893.	2.913
1424.	10.01	2894.	2.905
1425.	10.	2895.	2.871
1426.	10.01	2896.	2.913
1427.	9.994	2897.	2.881
1428.	9.995	2898.	2.897
1429.	10.03	2899.	2.907
1430.	10.03	2900.	2.863
1431.	9.991	2901.	2.861
1432.	10.02	2902.	2.858
1433.	10.04	2903.	2.879
1434.	10.01	2904.	2.918
1435.	10.02	2905.	2.88
1436.	10.04	2906.	2.876
1437.	10.02	2907.	2.894
1438.	10.08	2908.	2.917
1439.	10.03	2909.	2.89
1440.	10.01	2910.	2.881
1441.	10.03	2911.	2.893
1442.	10.06	2912.	2.894
1443.	10.06	2913.	2.89
1444.	10.07	2914.	2.872
1445.	10.04	2915.	2.854
1446.	10.03	2916.	2.878
1447.	10.08	2917.	2.919
1448.	10.1	2918.	2.851
1449.	10.05	2919.	2.897
1450.	10.04	2920.	2.822
1451.	10.07	2921.	2.868
1452.	10.06	2922.	2.866
1453.	10.05	2923.	2.86
1454.	10.02	2924.	2.858
1455.	10.03	2925.	2.884
1456.	10.02	2926.	2.825
1457.	9.949	2927.	2.854
1458.	9.951	2928.	2.859
1459.	9.96	2929.	2.843
1460.	9.913	2930.	2.86
1461.	9.919	2931.	2.863
1462.	9.908	2932.	2.839
1463.	9.918	2933.	2.835
1464.	9.904	2934.	2.849
1465.	9.888	2935.	2.827
1466.	9.825	2936.	2.819
1467.	9.866	2937.	2.826
1468.	9.84	2938.	2.841
1469.	9.812	2939.	2.857
1470.	9.831		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1224.4	ft^2/day
S	0.000191	

Kz/Kr	1.	
b	80.	ft

K = T/b = 15.31 ft/day (0.005399 cm/sec)
Ss = S/b = 2.387E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1224.4	0.975	+/- 1.912	1255.8	ft^2/day
S	0.000191	2.208E-7	+/- 4.329E-7	865.	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.31 ft/day (0.005399 cm/sec)
Ss = S/b = 2.387E-6 1/ft

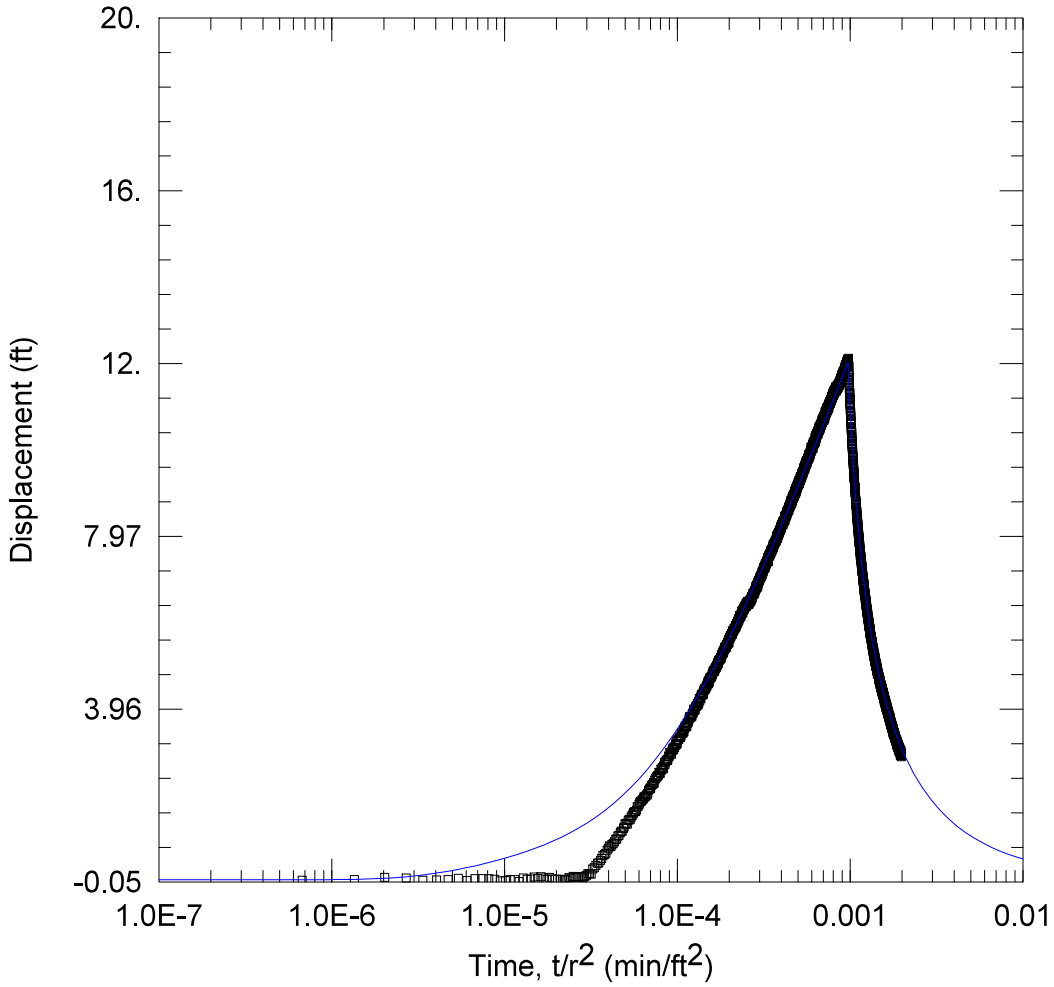
Parameter Correlations

	T	S
T	1.00	-0.75
S	-0.75	1.00

Residual Statistics

for weighted residuals

Sum of Squares	37.69 ft^2
Variance	0.01283 ft^2
Std. Deviation	0.1133 ft
Mean	-0.03719 ft
No. of Residuals	2939
No. of Estimates	2



WELL TEST ANALYSIS

Data Set: C:\...\MW4A.aqt
Date: 04/11/25 Time: 12:01:18

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW4A	2295	1305

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1221. ft^2/day
S = 0.0002576
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 09:54:06

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW4A

X Location: 2295. ft
Y Location: 1305. ft

Radial distance from BM 1B: 1216.596071 ft
Radial distance from BM2A: 875.7214169 ft
Radial distance from BM3: 1739.666635 ft
Radial distance from BM 4 : 1529.293301 ft
Radial distance from BM5: 1468.410365 ft
Radial distance from BM 6: 1273.009819 ft
Radial distance from BM7: 904.1205672 ft
Radial distance from BM9: 284.0158446 ft

Fully Penetrating Well

No. of Observations: 2932

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.01602	1467.	11.47
2.	0.	1468.	11.42
3.	0.05131	1469.	11.39
4.	0.04263	1470.	11.35
5.	-0.00989	1471.	11.31
6.	-0.002322	1472.	11.29
7.	-0.001154	1473.	11.26
8.	0.03086	1474.	11.29
9.	-0.02163	1475.	11.19
10.	0.02152	1476.	11.2
11.	0.02664	1477.	11.17
12.	0.02356	1478.	11.13
13.	0.009515	1479.	11.14
14.	-0.02994	1480.	11.08
15.	-0.02156	1481.	11.06
16.	0.001041	1482.	11.02
17.	0.000101	1483.	11.04
18.	-0.04616	1484.	11.
19.	0.03727	1485.	10.99
20.	0.009515	1486.	10.96
21.	0.01585	1487.	10.88
22.	0.06286	1488.	10.9
23.	0.02556	1489.	10.89
24.	0.06721	1490.	10.86
25.	0.0371	1491.	10.83
26.	0.002069	1492.	10.78
27.	0.0514	1493.	10.76
28.	0.01727	1494.	10.75
29.	0.016	1495.	10.76
30.	0.01072	1496.	10.66
31.	0.00428	1497.	10.68
32.	0.01378	1498.	10.63

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.00749	1499.	10.61
34.	-0.001303	1500.	10.6
35.	0.05025	1501.	10.58
36.	0.03506	1502.	10.57
37.	0.08096	1503.	10.51
38.	0.07559	1504.	10.52
39.	0.06503	1505.	10.47
40.	0.05226	1506.	10.47
41.	0.0703	1507.	10.43
42.	0.0479	1508.	10.42
43.	0.0726	1509.	10.39
44.	0.0876	1510.	10.38
45.	0.1345	1511.	10.38
46.	0.141	1512.	10.34
47.	0.1293	1513.	10.31
48.	0.25	1514.	10.29
49.	0.2757	1515.	10.27
50.	0.3291	1516.	10.24
51.	0.3782	1517.	10.2
52.	0.3881	1518.	10.19
53.	0.4497	1519.	10.16
54.	0.4915	1520.	10.18
55.	0.5558	1521.	10.11
56.	0.5823	1522.	10.13
57.	0.6145	1523.	10.09
58.	0.6851	1524.	10.05
59.	0.7298	1525.	10.05
60.	0.7802	1526.	10.06
61.	0.7685	1527.	10.02
62.	0.8121	1528.	9.985
63.	0.8421	1529.	9.995
64.	0.8775	1530.	9.948
65.	0.9295	1531.	9.917
66.	0.9458	1532.	9.9
67.	1.012	1533.	9.878
68.	1.028	1534.	9.856
69.	1.089	1535.	9.843
70.	1.124	1536.	9.807
71.	1.12	1537.	9.811
72.	1.188	1538.	9.808
73.	1.219	1539.	9.807
74.	1.291	1540.	9.771
75.	1.307	1541.	9.738
76.	1.285	1542.	9.731
77.	1.373	1543.	9.702
78.	1.4	1544.	9.689
79.	1.388	1545.	9.663
80.	1.452	1546.	9.617
81.	1.486	1547.	9.65
82.	1.526	1548.	9.634
83.	1.555	1549.	9.543
84.	1.576	1550.	9.57
85.	1.582	1551.	9.581
86.	1.616	1552.	9.531
87.	1.692	1553.	9.545
88.	1.702	1554.	9.514
89.	1.751	1555.	9.457
90.	1.783	1556.	9.483
91.	1.819	1557.	9.446
92.	1.822	1558.	9.463
93.	1.851	1559.	9.42
94.	1.874	1560.	9.42
95.	1.915	1561.	9.348
96.	1.919	1562.	9.356
97.	1.927	1563.	9.35
98.	1.965	1564.	9.342

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	1.963	1565.	9.298
100.	1.999	1566.	9.32
101.	2.074	1567.	9.293
102.	2.099	1568.	9.298
103.	2.127	1569.	9.252
104.	2.116	1570.	9.191
105.	2.188	1571.	9.2
106.	2.207	1572.	9.219
107.	2.219	1573.	9.211
108.	2.254	1574.	9.162
109.	2.238	1575.	9.119
110.	2.312	1576.	9.116
111.	2.35	1577.	9.093
112.	2.377	1578.	9.104
113.	2.387	1579.	9.101
114.	2.411	1580.	9.112
115.	2.421	1581.	9.058
116.	2.487	1582.	9.083
117.	2.49	1583.	9.032
118.	2.467	1584.	9.011
119.	2.565	1585.	8.976
120.	2.538	1586.	8.971
121.	2.593	1587.	8.986
122.	2.594	1588.	8.976
123.	2.569	1589.	8.927
124.	2.638	1590.	8.896
125.	2.711	1591.	8.859
126.	2.675	1592.	8.911
127.	2.734	1593.	8.88
128.	2.774	1594.	8.857
129.	2.772	1595.	8.826
130.	2.768	1596.	8.797
131.	2.804	1597.	8.785
132.	2.87	1598.	8.799
133.	2.861	1599.	8.782
134.	2.953	1600.	8.766
135.	2.951	1601.	8.759
136.	2.914	1602.	8.711
137.	2.913	1603.	8.733
138.	2.988	1604.	8.692
139.	3.025	1605.	8.7
140.	3.046	1606.	8.689
141.	3.017	1607.	8.687
142.	3.077	1608.	8.692
143.	3.067	1609.	8.636
144.	3.111	1610.	8.636
145.	3.147	1611.	8.576
146.	3.215	1612.	8.594
147.	3.138	1613.	8.61
148.	3.158	1614.	8.566
149.	3.246	1615.	8.566
150.	3.247	1616.	8.553
151.	3.262	1617.	8.55
152.	3.298	1618.	8.535
153.	3.307	1619.	8.5
154.	3.302	1620.	8.468
155.	3.303	1621.	8.467
156.	3.354	1622.	8.427
157.	3.393	1623.	8.451
158.	3.394	1624.	8.447
159.	3.407	1625.	8.39
160.	3.406	1626.	8.418
161.	3.469	1627.	8.393
162.	3.436	1628.	8.371
163.	3.543	1629.	8.377
164.	3.519	1630.	8.362

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	3.56	1631.	8.317
166.	3.569	1632.	8.329
167.	3.553	1633.	8.31
168.	3.553	1634.	8.289
169.	3.629	1635.	8.328
170.	3.637	1636.	8.27
171.	3.65	1637.	8.286
172.	3.676	1638.	8.268
173.	3.724	1639.	8.267
174.	3.774	1640.	8.213
175.	3.759	1641.	8.201
176.	3.787	1642.	8.237
177.	3.759	1643.	8.223
178.	3.781	1644.	8.205
179.	3.784	1645.	8.154
180.	3.795	1646.	8.119
181.	3.852	1647.	8.157
182.	3.861	1648.	8.142
183.	3.86	1649.	8.153
184.	3.93	1650.	8.09
185.	3.96	1651.	8.062
186.	3.924	1652.	8.122
187.	3.941	1653.	8.069
188.	3.948	1654.	8.056
189.	3.994	1655.	8.037
190.	4.02	1656.	8.04
191.	4.044	1657.	8.044
192.	4.026	1658.	8.033
193.	4.043	1659.	7.977
194.	4.09	1660.	8.005
195.	4.058	1661.	7.961
196.	4.132	1662.	7.973
197.	4.096	1663.	7.939
198.	4.126	1664.	7.93
199.	4.205	1665.	7.931
200.	4.164	1666.	7.955
201.	4.204	1667.	7.92
202.	4.237	1668.	7.902
203.	4.202	1669.	7.876
204.	4.285	1670.	7.894
205.	4.294	1671.	7.899
206.	4.301	1672.	7.821
207.	4.285	1673.	7.81
208.	4.299	1674.	7.85
209.	4.341	1675.	7.82
210.	4.298	1676.	7.819
211.	4.379	1677.	7.803
212.	4.398	1678.	7.814
213.	4.402	1679.	7.763
214.	4.436	1680.	7.777
215.	4.422	1681.	7.728
216.	4.433	1682.	7.77
217.	4.461	1683.	7.712
218.	4.489	1684.	7.719
219.	4.487	1685.	7.727
220.	4.502	1686.	7.685
221.	4.537	1687.	7.675
222.	4.554	1688.	7.666
223.	4.576	1689.	7.669
224.	4.612	1690.	7.658
225.	4.548	1691.	7.622
226.	4.591	1692.	7.633
227.	4.581	1693.	7.619
228.	4.643	1694.	7.652
229.	4.676	1695.	7.609
230.	4.694	1696.	7.625

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	4.678	1697.	7.583
232.	4.683	1698.	7.578
233.	4.705	1699.	7.545
234.	4.715	1700.	7.502
235.	4.72	1701.	7.532
236.	4.751	1702.	7.534
237.	4.763	1703.	7.507
238.	4.795	1704.	7.516
239.	4.824	1705.	7.49
240.	4.848	1706.	7.509
241.	4.83	1707.	7.47
242.	4.84	1708.	7.466
243.	4.855	1709.	7.452
244.	4.84	1710.	7.461
245.	4.891	1711.	7.492
246.	4.908	1712.	7.413
247.	4.905	1713.	7.43
248.	4.931	1714.	7.435
249.	4.924	1715.	7.397
250.	4.961	1716.	7.404
251.	4.977	1717.	7.414
252.	4.973	1718.	7.4
253.	5.029	1719.	7.39
254.	5.008	1720.	7.371
255.	5.019	1721.	7.361
256.	5.016	1722.	7.327
257.	5.071	1723.	7.341
258.	5.086	1724.	7.346
259.	5.079	1725.	7.306
260.	5.115	1726.	7.311
261.	5.115	1727.	7.253
262.	5.111	1728.	7.281
263.	5.156	1729.	7.273
264.	5.157	1730.	7.284
265.	5.134	1731.	7.266
266.	5.163	1732.	7.253
267.	5.194	1733.	7.177
268.	5.221	1734.	7.18
269.	5.215	1735.	7.179
270.	5.238	1736.	7.161
271.	5.278	1737.	7.156
272.	5.254	1738.	7.182
273.	5.281	1739.	7.191
274.	5.266	1740.	7.189
275.	5.291	1741.	7.165
276.	5.328	1742.	7.195
277.	5.337	1743.	7.158
278.	5.394	1744.	7.14
279.	5.368	1745.	7.13
280.	5.366	1746.	7.086
281.	5.372	1747.	7.11
282.	5.379	1748.	7.096
283.	5.409	1749.	7.055
284.	5.424	1750.	7.051
285.	5.393	1751.	7.048
286.	5.438	1752.	7.081
287.	5.453	1753.	7.045
288.	5.463	1754.	7.036
289.	5.458	1755.	7.017
290.	5.51	1756.	7.011
291.	5.488	1757.	7.01
292.	5.483	1758.	7.006
293.	5.536	1759.	7.004
294.	5.568	1760.	6.968
295.	5.496	1761.	6.969
296.	5.59	1762.	6.986

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	5.585	1763.	6.964
298.	5.617	1764.	6.986
299.	5.591	1765.	6.919
300.	5.635	1766.	6.92
301.	5.661	1767.	6.922
302.	5.655	1768.	6.902
303.	5.648	1769.	6.89
304.	5.692	1770.	6.899
305.	5.692	1771.	6.898
306.	5.707	1772.	6.914
307.	5.681	1773.	6.878
308.	5.699	1774.	6.874
309.	5.773	1775.	6.874
310.	5.73	1776.	6.882
311.	5.769	1777.	6.859
312.	5.762	1778.	6.877
313.	5.765	1779.	6.82
314.	5.789	1780.	6.805
315.	5.795	1781.	6.786
316.	5.835	1782.	6.802
317.	5.818	1783.	6.842
318.	5.833	1784.	6.786
319.	5.819	1785.	6.811
320.	5.853	1786.	6.744
321.	5.888	1787.	6.744
322.	5.896	1788.	6.754
323.	5.855	1789.	6.699
324.	5.884	1790.	6.719
325.	5.893	1791.	6.726
326.	5.918	1792.	6.705
327.	5.928	1793.	6.709
328.	5.94	1794.	6.695
329.	5.945	1795.	6.726
330.	5.991	1796.	6.692
331.	5.996	1797.	6.661
332.	5.986	1798.	6.656
333.	5.987	1799.	6.685
334.	6.051	1800.	6.643
335.	6.01	1801.	6.632
336.	6.006	1802.	6.643
337.	6.056	1803.	6.681
338.	6.057	1804.	6.646
339.	6.06	1805.	6.629
340.	6.13	1806.	6.62
341.	6.132	1807.	6.616
342.	6.125	1808.	6.615
343.	6.118	1809.	6.575
344.	6.101	1810.	6.596
345.	6.115	1811.	6.582
346.	6.106	1812.	6.585
347.	6.16	1813.	6.559
348.	6.166	1814.	6.563
349.	6.166	1815.	6.574
350.	6.226	1816.	6.53
351.	6.237	1817.	6.558
352.	6.23	1818.	6.517
353.	6.229	1819.	6.476
354.	6.191	1820.	6.501
355.	6.256	1821.	6.497
356.	6.241	1822.	6.507
357.	6.264	1823.	6.468
358.	6.269	1824.	6.487
359.	6.287	1825.	6.472
360.	6.281	1826.	6.484
361.	6.31	1827.	6.477
362.	6.281	1828.	6.475

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	6.323	1829.	6.437
364.	6.334	1830.	6.448
365.	6.345	1831.	6.414
366.	6.352	1832.	6.439
367.	6.337	1833.	6.361
368.	6.352	1834.	6.413
369.	6.326	1835.	6.375
370.	6.394	1836.	6.406
371.	6.344	1837.	6.393
372.	6.409	1838.	6.386
373.	6.38	1839.	6.353
374.	6.395	1840.	6.363
375.	6.43	1841.	6.369
376.	6.371	1842.	6.33
377.	6.45	1843.	6.328
378.	6.435	1844.	6.355
379.	6.402	1845.	6.287
380.	6.401	1846.	6.29
381.	6.393	1847.	6.315
382.	6.457	1848.	6.28
383.	6.438	1849.	6.302
384.	6.398	1850.	6.245
385.	6.391	1851.	6.248
386.	6.438	1852.	6.285
387.	6.47	1853.	6.262
388.	6.438	1854.	6.268
389.	6.459	1855.	6.227
390.	6.45	1856.	6.205
391.	6.461	1857.	6.235
392.	6.443	1858.	6.274
393.	6.488	1859.	6.27
394.	6.492	1860.	6.211
395.	6.461	1861.	6.195
396.	6.507	1862.	6.226
397.	6.526	1863.	6.19
398.	6.492	1864.	6.178
399.	6.575	1865.	6.176
400.	6.508	1866.	6.208
401.	6.542	1867.	6.16
402.	6.558	1868.	6.179
403.	6.559	1869.	6.179
404.	6.555	1870.	6.146
405.	6.593	1871.	6.135
406.	6.634	1872.	6.139
407.	6.639	1873.	6.1
408.	6.647	1874.	6.137
409.	6.646	1875.	6.104
410.	6.633	1876.	6.125
411.	6.648	1877.	6.084
412.	6.625	1878.	6.057
413.	6.682	1879.	6.095
414.	6.664	1880.	6.064
415.	6.693	1881.	6.052
416.	6.658	1882.	6.09
417.	6.703	1883.	6.053
418.	6.706	1884.	6.064
419.	6.721	1885.	6.045
420.	6.74	1886.	6.043
421.	6.765	1887.	6.024
422.	6.747	1888.	6.027
423.	6.806	1889.	6.051
424.	6.769	1890.	6.019
425.	6.777	1891.	6.016
426.	6.801	1892.	6.019
427.	6.808	1893.	5.998
428.	6.843	1894.	5.973

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	6.787	1895.	5.979
430.	6.83	1896.	5.95
431.	6.844	1897.	5.972
432.	6.861	1898.	5.923
433.	6.815	1899.	5.94
434.	6.902	1900.	5.963
435.	6.878	1901.	5.93
436.	6.876	1902.	5.941
437.	6.926	1903.	5.996
438.	6.941	1904.	5.928
439.	6.947	1905.	5.922
440.	6.927	1906.	5.924
441.	6.942	1907.	5.898
442.	7.003	1908.	5.918
443.	6.96	1909.	5.864
444.	6.988	1910.	5.854
445.	6.969	1911.	5.882
446.	6.994	1912.	5.892
447.	7.014	1913.	5.865
448.	7.035	1914.	5.891
449.	7.019	1915.	5.874
450.	7.029	1916.	5.864
451.	7.045	1917.	5.798
452.	7.028	1918.	5.841
453.	7.067	1919.	5.851
454.	7.06	1920.	5.845
455.	7.094	1921.	5.784
456.	7.082	1922.	5.826
457.	7.05	1923.	5.818
458.	7.085	1924.	5.831
459.	7.125	1925.	5.816
460.	7.158	1926.	5.805
461.	7.121	1927.	5.84
462.	7.144	1928.	5.82
463.	7.164	1929.	5.776
464.	7.142	1930.	5.761
465.	7.159	1931.	5.709
466.	7.195	1932.	5.749
467.	7.198	1933.	5.761
468.	7.236	1934.	5.804
469.	7.24	1935.	5.747
470.	7.218	1936.	5.747
471.	7.234	1937.	5.694
472.	7.257	1938.	5.738
473.	7.227	1939.	5.7
474.	7.224	1940.	5.695
475.	7.237	1941.	5.685
476.	7.232	1942.	5.676
477.	7.281	1943.	5.685
478.	7.318	1944.	5.678
479.	7.295	1945.	5.723
480.	7.272	1946.	5.719
481.	7.32	1947.	5.693
482.	7.314	1948.	5.639
483.	7.335	1949.	5.66
484.	7.343	1950.	5.627
485.	7.327	1951.	5.66
486.	7.34	1952.	5.637
487.	7.394	1953.	5.62
488.	7.385	1954.	5.623
489.	7.366	1955.	5.651
490.	7.381	1956.	5.63
491.	7.39	1957.	5.62
492.	7.394	1958.	5.598
493.	7.389	1959.	5.638
494.	7.43	1960.	5.603

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	7.473	1961.	5.596
496.	7.452	1962.	5.563
497.	7.454	1963.	5.594
498.	7.38	1964.	5.604
499.	7.447	1965.	5.583
500.	7.416	1966.	5.573
501.	7.505	1967.	5.57
502.	7.491	1968.	5.586
503.	7.507	1969.	5.558
504.	7.533	1970.	5.519
505.	7.536	1971.	5.549
506.	7.516	1972.	5.587
507.	7.519	1973.	5.538
508.	7.54	1974.	5.536
509.	7.545	1975.	5.538
510.	7.575	1976.	5.542
511.	7.576	1977.	5.532
512.	7.579	1978.	5.521
513.	7.599	1979.	5.502
514.	7.581	1980.	5.532
515.	7.622	1981.	5.524
516.	7.625	1982.	5.488
517.	7.637	1983.	5.506
518.	7.655	1984.	5.515
519.	7.604	1985.	5.475
520.	7.647	1986.	5.513
521.	7.651	1987.	5.462
522.	7.659	1988.	5.451
523.	7.662	1989.	5.444
524.	7.634	1990.	5.453
525.	7.691	1991.	5.424
526.	7.67	1992.	5.432
527.	7.706	1993.	5.402
528.	7.678	1994.	5.445
529.	7.696	1995.	5.444
530.	7.744	1996.	5.45
531.	7.733	1997.	5.397
532.	7.7	1998.	5.396
533.	7.771	1999.	5.381
534.	7.779	2000.	5.41
535.	7.748	2001.	5.4
536.	7.785	2002.	5.395
537.	7.766	2003.	5.387
538.	7.797	2004.	5.389
539.	7.79	2005.	5.387
540.	7.785	2006.	5.341
541.	7.819	2007.	5.353
542.	7.818	2008.	5.353
543.	7.813	2009.	5.363
544.	7.825	2010.	5.331
545.	7.831	2011.	5.354
546.	7.841	2012.	5.321
547.	7.852	2013.	5.324
548.	7.872	2014.	5.296
549.	7.874	2015.	5.335
550.	7.877	2016.	5.34
551.	7.853	2017.	5.312
552.	7.879	2018.	5.359
553.	7.856	2019.	5.273
554.	7.9	2020.	5.292
555.	7.956	2021.	5.274
556.	7.889	2022.	5.301
557.	7.97	2023.	5.285
558.	7.943	2024.	5.279
559.	7.976	2025.	5.292
560.	7.919	2026.	5.319

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	7.958	2027.	5.268
562.	7.985	2028.	5.248
563.	7.982	2029.	5.271
564.	8.003	2030.	5.25
565.	7.928	2031.	5.227
566.	7.991	2032.	5.22
567.	7.991	2033.	5.272
568.	8.027	2034.	5.232
569.	7.986	2035.	5.211
570.	8.047	2036.	5.236
571.	8.045	2037.	5.229
572.	8.036	2038.	5.223
573.	8.027	2039.	5.228
574.	8.039	2040.	5.195
575.	8.028	2041.	5.17
576.	8.066	2042.	5.198
577.	8.083	2043.	5.191
578.	8.099	2044.	5.212
579.	8.114	2045.	5.19
580.	8.089	2046.	5.181
581.	8.112	2047.	5.157
582.	8.112	2048.	5.158
583.	8.125	2049.	5.192
584.	8.109	2050.	5.196
585.	8.116	2051.	5.196
586.	8.187	2052.	5.146
587.	8.169	2053.	5.195
588.	8.18	2054.	5.153
589.	8.141	2055.	5.179
590.	8.152	2056.	5.161
591.	8.192	2057.	5.138
592.	8.199	2058.	5.124
593.	8.168	2059.	5.138
594.	8.224	2060.	5.124
595.	8.217	2061.	5.091
596.	8.245	2062.	5.107
597.	8.233	2063.	5.085
598.	8.243	2064.	5.067
599.	8.227	2065.	5.111
600.	8.247	2066.	5.075
601.	8.267	2067.	5.079
602.	8.298	2068.	5.069
603.	8.265	2069.	5.036
604.	8.27	2070.	5.102
605.	8.302	2071.	5.079
606.	8.313	2072.	5.083
607.	8.24	2073.	5.07
608.	8.295	2074.	5.041
609.	8.332	2075.	5.041
610.	8.315	2076.	5.036
611.	8.308	2077.	5.092
612.	8.329	2078.	5.046
613.	8.324	2079.	5.033
614.	8.338	2080.	5.026
615.	8.339	2081.	5.033
616.	8.346	2082.	5.053
617.	8.345	2083.	5.051
618.	8.363	2084.	4.982
619.	8.342	2085.	5.006
620.	8.398	2086.	5.036
621.	8.328	2087.	5.011
622.	8.373	2088.	4.995
623.	8.432	2089.	4.996
624.	8.432	2090.	5.024
625.	8.454	2091.	5.013
626.	8.438	2092.	4.981

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	8.416	2093.	4.956
628.	8.443	2094.	4.948
629.	8.438	2095.	4.96
630.	8.435	2096.	4.938
631.	8.447	2097.	4.98
632.	8.424	2098.	4.99
633.	8.492	2099.	4.974
634.	8.487	2100.	4.945
635.	8.478	2101.	4.97
636.	8.47	2102.	4.95
637.	8.476	2103.	4.974
638.	8.513	2104.	4.935
639.	8.527	2105.	4.952
640.	8.534	2106.	4.979
641.	8.565	2107.	4.889
642.	8.553	2108.	4.919
643.	8.506	2109.	4.97
644.	8.533	2110.	4.885
645.	8.559	2111.	4.948
646.	8.567	2112.	4.895
647.	8.549	2113.	4.881
648.	8.576	2114.	4.908
649.	8.596	2115.	4.895
650.	8.603	2116.	4.92
651.	8.568	2117.	4.935
652.	8.607	2118.	4.895
653.	8.634	2119.	4.865
654.	8.644	2120.	4.889
655.	8.583	2121.	4.855
656.	8.627	2122.	4.859
657.	8.653	2123.	4.883
658.	8.655	2124.	4.876
659.	8.67	2125.	4.844
660.	8.656	2126.	4.789
661.	8.646	2127.	4.902
662.	8.642	2128.	4.825
663.	8.685	2129.	4.86
664.	8.654	2130.	4.826
665.	8.663	2131.	4.841
666.	8.7	2132.	4.841
667.	8.729	2133.	4.817
668.	8.705	2134.	4.808
669.	8.718	2135.	4.794
670.	8.731	2136.	4.787
671.	8.726	2137.	4.809
672.	8.695	2138.	4.784
673.	8.788	2139.	4.822
674.	8.724	2140.	4.794
675.	8.793	2141.	4.776
676.	8.77	2142.	4.759
677.	8.766	2143.	4.825
678.	8.782	2144.	4.782
679.	8.799	2145.	4.779
680.	8.784	2146.	4.772
681.	8.734	2147.	4.771
682.	8.808	2148.	4.8
683.	8.785	2149.	4.779
684.	8.794	2150.	4.759
685.	8.855	2151.	4.758
686.	8.783	2152.	4.75
687.	8.829	2153.	4.768
688.	8.859	2154.	4.764
689.	8.843	2155.	4.775
690.	8.867	2156.	4.787
691.	8.896	2157.	4.759
692.	8.85	2158.	4.757

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	8.845	2159.	4.754
694.	8.896	2160.	4.726
695.	8.882	2161.	4.73
696.	8.883	2162.	4.701
697.	8.93	2163.	4.743
698.	8.897	2164.	4.733
699.	8.934	2165.	4.722
700.	8.871	2166.	4.717
701.	8.902	2167.	4.705
702.	8.893	2168.	4.711
703.	8.909	2169.	4.71
704.	8.911	2170.	4.707
705.	8.919	2171.	4.685
706.	8.935	2172.	4.686
707.	8.973	2173.	4.706
708.	8.944	2174.	4.701
709.	9.017	2175.	4.672
710.	8.976	2176.	4.694
711.	8.95	2177.	4.641
712.	8.962	2178.	4.673
713.	9.025	2179.	4.662
714.	8.997	2180.	4.631
715.	9.018	2181.	4.627
716.	9.021	2182.	4.667
717.	8.968	2183.	4.678
718.	9.027	2184.	4.639
719.	8.997	2185.	4.693
720.	9.081	2186.	4.688
721.	9.052	2187.	4.642
722.	9.061	2188.	4.624
723.	9.077	2189.	4.618
724.	9.053	2190.	4.629
725.	9.02	2191.	4.633
726.	9.068	2192.	4.609
727.	9.079	2193.	4.643
728.	9.073	2194.	4.618
729.	9.128	2195.	4.604
730.	9.084	2196.	4.65
731.	9.114	2197.	4.618
732.	9.11	2198.	4.64
733.	9.154	2199.	4.562
734.	9.126	2200.	4.633
735.	9.103	2201.	4.594
736.	9.142	2202.	4.618
737.	9.139	2203.	4.601
738.	9.157	2204.	4.579
739.	9.164	2205.	4.581
740.	9.158	2206.	4.59
741.	9.145	2207.	4.543
742.	9.202	2208.	4.522
743.	9.221	2209.	4.589
744.	9.206	2210.	4.6
745.	9.172	2211.	4.586
746.	9.198	2212.	4.572
747.	9.202	2213.	4.557
748.	9.202	2214.	4.57
749.	9.255	2215.	4.53
750.	9.232	2216.	4.544
751.	9.245	2217.	4.528
752.	9.22	2218.	4.534
753.	9.198	2219.	4.523
754.	9.236	2220.	4.549
755.	9.265	2221.	4.522
756.	9.265	2222.	4.54
757.	9.261	2223.	4.51
758.	9.263	2224.	4.551

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	9.248	2225.	4.471
760.	9.265	2226.	4.511
761.	9.317	2227.	4.513
762.	9.304	2228.	4.542
763.	9.298	2229.	4.494
764.	9.269	2230.	4.503
765.	9.302	2231.	4.505
766.	9.299	2232.	4.539
767.	9.303	2233.	4.502
768.	9.315	2234.	4.519
769.	9.351	2235.	4.477
770.	9.344	2236.	4.514
771.	9.328	2237.	4.508
772.	9.362	2238.	4.449
773.	9.376	2239.	4.494
774.	9.334	2240.	4.473
775.	9.333	2241.	4.484
776.	9.34	2242.	4.5
777.	9.377	2243.	4.441
778.	9.367	2244.	4.454
779.	9.405	2245.	4.429
780.	9.399	2246.	4.455
781.	9.426	2247.	4.457
782.	9.421	2248.	4.462
783.	9.405	2249.	4.457
784.	9.46	2250.	4.437
785.	9.42	2251.	4.438
786.	9.441	2252.	4.459
787.	9.438	2253.	4.444
788.	9.455	2254.	4.425
789.	9.432	2255.	4.437
790.	9.467	2256.	4.411
791.	9.432	2257.	4.459
792.	9.447	2258.	4.438
793.	9.479	2259.	4.455
794.	9.482	2260.	4.42
795.	9.486	2261.	4.448
796.	9.496	2262.	4.399
797.	9.484	2263.	4.411
798.	9.512	2264.	4.387
799.	9.529	2265.	4.436
800.	9.539	2266.	4.404
801.	9.53	2267.	4.379
802.	9.566	2268.	4.368
803.	9.547	2269.	4.388
804.	9.549	2270.	4.372
805.	9.521	2271.	4.435
806.	9.564	2272.	4.341
807.	9.571	2273.	4.369
808.	9.542	2274.	4.359
809.	9.558	2275.	4.375
810.	9.541	2276.	4.34
811.	9.605	2277.	4.391
812.	9.602	2278.	4.329
813.	9.602	2279.	4.367
814.	9.593	2280.	4.374
815.	9.582	2281.	4.382
816.	9.64	2282.	4.368
817.	9.627	2283.	4.356
818.	9.594	2284.	4.328
819.	9.638	2285.	4.362
820.	9.653	2286.	4.359
821.	9.652	2287.	4.292
822.	9.655	2288.	4.323
823.	9.681	2289.	4.329
824.	9.636	2290.	4.34

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	9.643	2291.	4.304
826.	9.643	2292.	4.346
827.	9.7	2293.	4.325
828.	9.726	2294.	4.294
829.	9.671	2295.	4.326
830.	9.672	2296.	4.355
831.	9.703	2297.	4.341
832.	9.696	2298.	4.291
833.	9.722	2299.	4.318
834.	9.653	2300.	4.285
835.	9.706	2301.	4.331
836.	9.717	2302.	4.289
837.	9.733	2303.	4.279
838.	9.744	2304.	4.299
839.	9.744	2305.	4.292
840.	9.696	2306.	4.28
841.	9.74	2307.	4.27
842.	9.747	2308.	4.304
843.	9.755	2309.	4.263
844.	9.758	2310.	4.273
845.	9.788	2311.	4.285
846.	9.78	2312.	4.295
847.	9.79	2313.	4.278
848.	9.763	2314.	4.252
849.	9.849	2315.	4.292
850.	9.784	2316.	4.272
851.	9.803	2317.	4.245
852.	9.822	2318.	4.282
853.	9.857	2319.	4.259
854.	9.799	2320.	4.236
855.	9.835	2321.	4.203
856.	9.796	2322.	4.22
857.	9.874	2323.	4.248
858.	9.83	2324.	4.217
859.	9.826	2325.	4.232
860.	9.864	2326.	4.229
861.	9.824	2327.	4.217
862.	9.85	2328.	4.233
863.	9.862	2329.	4.219
864.	9.839	2330.	4.227
865.	9.885	2331.	4.183
866.	9.866	2332.	4.252
867.	9.871	2333.	4.193
868.	9.9	2334.	4.201
869.	9.878	2335.	4.191
870.	9.901	2336.	4.175
871.	9.898	2337.	4.248
872.	9.9	2338.	4.211
873.	9.935	2339.	4.149
874.	9.887	2340.	4.153
875.	9.971	2341.	4.179
876.	9.929	2342.	4.167
877.	9.94	2343.	4.179
878.	9.961	2344.	4.177
879.	9.968	2345.	4.182
880.	9.965	2346.	4.154
881.	10.03	2347.	4.187
882.	9.992	2348.	4.18
883.	10.	2349.	4.154
884.	9.96	2350.	4.19
885.	9.978	2351.	4.169
886.	9.947	2352.	4.11
887.	10.01	2353.	4.162
888.	10.01	2354.	4.144
889.	10.01	2355.	4.16
890.	10.03	2356.	4.117

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	10.	2357.	4.145
892.	10.04	2358.	4.125
893.	10.05	2359.	4.127
894.	9.996	2360.	4.158
895.	10.02	2361.	4.166
896.	10.06	2362.	4.138
897.	10.07	2363.	4.124
898.	10.07	2364.	4.14
899.	10.02	2365.	4.094
900.	10.1	2366.	4.103
901.	10.01	2367.	4.079
902.	10.11	2368.	4.107
903.	10.02	2369.	4.102
904.	10.08	2370.	4.057
905.	10.1	2371.	4.121
906.	10.07	2372.	4.074
907.	10.14	2373.	4.093
908.	10.09	2374.	4.125
909.	10.12	2375.	4.113
910.	10.09	2376.	4.086
911.	10.11	2377.	4.071
912.	10.13	2378.	4.062
913.	10.14	2379.	4.065
914.	10.14	2380.	4.094
915.	10.15	2381.	4.097
916.	10.16	2382.	4.102
917.	10.14	2383.	4.081
918.	10.11	2384.	4.07
919.	10.17	2385.	4.066
920.	10.16	2386.	4.055
921.	10.15	2387.	4.074
922.	10.13	2388.	4.047
923.	10.16	2389.	4.085
924.	10.18	2390.	4.067
925.	10.14	2391.	4.039
926.	10.16	2392.	4.057
927.	10.18	2393.	4.035
928.	10.19	2394.	4.044
929.	10.22	2395.	3.997
930.	10.24	2396.	4.023
931.	10.28	2397.	3.989
932.	10.2	2398.	4.003
933.	10.23	2399.	4.008
934.	10.16	2400.	4.004
935.	10.17	2401.	3.982
936.	10.24	2402.	4.049
937.	10.3	2403.	4.013
938.	10.22	2404.	4.011
939.	10.24	2405.	4.013
940.	10.26	2406.	4.029
941.	10.27	2407.	3.978
942.	10.26	2408.	4.046
943.	10.3	2409.	4.019
944.	10.28	2410.	4.004
945.	10.31	2411.	4.017
946.	10.31	2412.	3.965
947.	10.31	2413.	4.04
948.	10.3	2414.	3.969
949.	10.34	2415.	3.989
950.	10.31	2416.	3.977
951.	10.34	2417.	3.96
952.	10.34	2418.	3.974
953.	10.37	2419.	3.986
954.	10.34	2420.	3.956
955.	10.34	2421.	3.931
956.	10.34	2422.	3.96

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	10.33	2423.	3.964
958.	10.37	2424.	3.948
959.	10.34	2425.	3.96
960.	10.36	2426.	3.958
961.	10.35	2427.	3.966
962.	10.34	2428.	3.956
963.	10.36	2429.	3.942
964.	10.37	2430.	3.933
965.	10.35	2431.	3.935
966.	10.39	2432.	3.932
967.	10.41	2433.	3.987
968.	10.41	2434.	3.917
969.	10.42	2435.	3.926
970.	10.4	2436.	3.946
971.	10.42	2437.	3.885
972.	10.43	2438.	3.932
973.	10.42	2439.	3.926
974.	10.47	2440.	3.904
975.	10.41	2441.	3.883
976.	10.4	2442.	3.909
977.	10.45	2443.	3.934
978.	10.42	2444.	3.891
979.	10.44	2445.	3.905
980.	10.5	2446.	3.881
981.	10.46	2447.	3.891
982.	10.43	2448.	3.897
983.	10.49	2449.	3.886
984.	10.46	2450.	3.86
985.	10.47	2451.	3.859
986.	10.45	2452.	3.926
987.	10.44	2453.	3.881
988.	10.47	2454.	3.879
989.	10.51	2455.	3.887
990.	10.48	2456.	3.872
991.	10.49	2457.	3.871
992.	10.48	2458.	3.872
993.	10.47	2459.	3.874
994.	10.5	2460.	3.84
995.	10.49	2461.	3.847
996.	10.55	2462.	3.908
997.	10.55	2463.	3.89
998.	10.55	2464.	3.847
999.	10.52	2465.	3.831
1000.	10.54	2466.	3.876
1001.	10.55	2467.	3.829
1002.	10.53	2468.	3.839
1003.	10.57	2469.	3.879
1004.	10.54	2470.	3.855
1005.	10.56	2471.	3.901
1006.	10.57	2472.	3.843
1007.	10.56	2473.	3.833
1008.	10.55	2474.	3.836
1009.	10.55	2475.	3.86
1010.	10.57	2476.	3.803
1011.	10.58	2477.	3.823
1012.	10.58	2478.	3.812
1013.	10.59	2479.	3.819
1014.	10.62	2480.	3.797
1015.	10.62	2481.	3.821
1016.	10.6	2482.	3.815
1017.	10.63	2483.	3.824
1018.	10.61	2484.	3.823
1019.	10.61	2485.	3.812
1020.	10.64	2486.	3.797
1021.	10.66	2487.	3.815
1022.	10.63	2488.	3.77

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	10.67	2489.	3.771
1024.	10.66	2490.	3.814
1025.	10.65	2491.	3.808
1026.	10.68	2492.	3.769
1027.	10.62	2493.	3.766
1028.	10.7	2494.	3.751
1029.	10.7	2495.	3.806
1030.	10.68	2496.	3.784
1031.	10.64	2497.	3.773
1032.	10.7	2498.	3.778
1033.	10.67	2499.	3.75
1034.	10.71	2500.	3.748
1035.	10.67	2501.	3.77
1036.	10.68	2502.	3.764
1037.	10.7	2503.	3.732
1038.	10.73	2504.	3.728
1039.	10.72	2505.	3.773
1040.	10.69	2506.	3.75
1041.	10.71	2507.	3.733
1042.	10.74	2508.	3.77
1043.	10.66	2509.	3.799
1044.	10.74	2510.	3.703
1045.	10.66	2511.	3.715
1046.	10.71	2512.	3.773
1047.	10.73	2513.	3.746
1048.	10.75	2514.	3.721
1049.	10.76	2515.	3.716
1050.	10.74	2516.	3.724
1051.	10.77	2517.	3.719
1052.	10.76	2518.	3.758
1053.	10.75	2519.	3.724
1054.	10.78	2520.	3.747
1055.	10.7	2521.	3.686
1056.	10.78	2522.	3.691
1057.	10.77	2523.	3.677
1058.	10.75	2524.	3.671
1059.	10.8	2525.	3.72
1060.	10.77	2526.	3.701
1061.	10.79	2527.	3.688
1062.	10.85	2528.	3.692
1063.	10.8	2529.	3.682
1064.	10.79	2530.	3.653
1065.	10.76	2531.	3.659
1066.	10.83	2532.	3.677
1067.	10.84	2533.	3.699
1068.	10.81	2534.	3.701
1069.	10.81	2535.	3.661
1070.	10.81	2536.	3.713
1071.	10.87	2537.	3.669
1072.	10.84	2538.	3.69
1073.	10.82	2539.	3.659
1074.	10.83	2540.	3.688
1075.	10.85	2541.	3.653
1076.	10.84	2542.	3.641
1077.	10.84	2543.	3.642
1078.	10.89	2544.	3.673
1079.	10.85	2545.	3.669
1080.	10.88	2546.	3.67
1081.	10.87	2547.	3.642
1082.	10.86	2548.	3.622
1083.	10.88	2549.	3.641
1084.	10.88	2550.	3.637
1085.	10.87	2551.	3.611
1086.	10.9	2552.	3.622
1087.	10.88	2553.	3.583
1088.	10.88	2554.	3.651

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	10.91	2555.	3.633
1090.	10.94	2556.	3.618
1091.	10.92	2557.	3.603
1092.	10.91	2558.	3.615
1093.	10.93	2559.	3.604
1094.	10.96	2560.	3.6
1095.	10.95	2561.	3.607
1096.	10.95	2562.	3.589
1097.	10.94	2563.	3.592
1098.	10.88	2564.	3.63
1099.	10.94	2565.	3.584
1100.	10.97	2566.	3.583
1101.	10.93	2567.	3.597
1102.	10.96	2568.	3.602
1103.	10.95	2569.	3.588
1104.	10.93	2570.	3.652
1105.	10.92	2571.	3.58
1106.	10.97	2572.	3.607
1107.	10.99	2573.	3.571
1108.	10.96	2574.	3.572
1109.	10.95	2575.	3.591
1110.	10.99	2576.	3.526
1111.	11.02	2577.	3.546
1112.	10.95	2578.	3.56
1113.	11.02	2579.	3.524
1114.	11.01	2580.	3.565
1115.	10.95	2581.	3.575
1116.	11.02	2582.	3.532
1117.	11.03	2583.	3.567
1118.	11.01	2584.	3.551
1119.	11.03	2585.	3.59
1120.	11.04	2586.	3.557
1121.	11.04	2587.	3.564
1122.	11.06	2588.	3.55
1123.	11.04	2589.	3.548
1124.	11.04	2590.	3.545
1125.	11.03	2591.	3.52
1126.	11.06	2592.	3.522
1127.	11.08	2593.	3.516
1128.	11.08	2594.	3.528
1129.	11.09	2595.	3.565
1130.	11.07	2596.	3.547
1131.	11.06	2597.	3.558
1132.	11.06	2598.	3.507
1133.	11.08	2599.	3.518
1134.	11.1	2600.	3.533
1135.	11.07	2601.	3.525
1136.	11.05	2602.	3.494
1137.	11.06	2603.	3.523
1138.	11.07	2604.	3.509
1139.	11.13	2605.	3.514
1140.	11.09	2606.	3.49
1141.	11.09	2607.	3.51
1142.	11.12	2608.	3.493
1143.	11.07	2609.	3.495
1144.	11.09	2610.	3.529
1145.	11.13	2611.	3.489
1146.	11.13	2612.	3.505
1147.	11.14	2613.	3.527
1148.	11.11	2614.	3.497
1149.	11.15	2615.	3.491
1150.	11.13	2616.	3.473
1151.	11.12	2617.	3.494
1152.	11.14	2618.	3.496
1153.	11.15	2619.	3.403
1154.	11.17	2620.	3.43

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	11.19	2621.	3.522
1156.	11.16	2622.	3.503
1157.	11.17	2623.	3.465
1158.	11.2	2624.	3.47
1159.	11.2	2625.	3.498
1160.	11.17	2626.	3.482
1161.	11.21	2627.	3.487
1162.	11.2	2628.	3.436
1163.	11.21	2629.	3.427
1164.	11.18	2630.	3.468
1165.	11.19	2631.	3.469
1166.	11.21	2632.	3.444
1167.	11.2	2633.	3.484
1168.	11.19	2634.	3.41
1169.	11.18	2635.	3.423
1170.	11.24	2636.	3.46
1171.	11.23	2637.	3.434
1172.	11.28	2638.	3.435
1173.	11.23	2639.	3.427
1174.	11.21	2640.	3.452
1175.	11.22	2641.	3.436
1176.	11.24	2642.	3.427
1177.	11.22	2643.	3.413
1178.	11.27	2644.	3.394
1179.	11.24	2645.	3.453
1180.	11.27	2646.	3.398
1181.	11.29	2647.	3.42
1182.	11.28	2648.	3.421
1183.	11.25	2649.	3.422
1184.	11.27	2650.	3.408
1185.	11.26	2651.	3.396
1186.	11.29	2652.	3.396
1187.	11.28	2653.	3.393
1188.	11.27	2654.	3.404
1189.	11.28	2655.	3.416
1190.	11.28	2656.	3.386
1191.	11.27	2657.	3.362
1192.	11.3	2658.	3.385
1193.	11.32	2659.	3.361
1194.	11.32	2660.	3.382
1195.	11.34	2661.	3.363
1196.	11.32	2662.	3.376
1197.	11.32	2663.	3.401
1198.	11.31	2664.	3.365
1199.	11.3	2665.	3.396
1200.	11.31	2666.	3.388
1201.	11.28	2667.	3.362
1202.	11.3	2668.	3.357
1203.	11.33	2669.	3.393
1204.	11.34	2670.	3.363
1205.	11.36	2671.	3.352
1206.	11.3	2672.	3.374
1207.	11.36	2673.	3.352
1208.	11.34	2674.	3.341
1209.	11.33	2675.	3.345
1210.	11.37	2676.	3.363
1211.	11.33	2677.	3.388
1212.	11.33	2678.	3.411
1213.	11.33	2679.	3.392
1214.	11.35	2680.	3.342
1215.	11.4	2681.	3.327
1216.	11.38	2682.	3.306
1217.	11.37	2683.	3.349
1218.	11.39	2684.	3.364
1219.	11.34	2685.	3.343
1220.	11.37	2686.	3.278

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	11.37	2687.	3.334
1222.	11.37	2688.	3.309
1223.	11.42	2689.	3.312
1224.	11.43	2690.	3.324
1225.	11.36	2691.	3.346
1226.	11.39	2692.	3.305
1227.	11.37	2693.	3.316
1228.	11.38	2694.	3.353
1229.	11.37	2695.	3.311
1230.	11.33	2696.	3.329
1231.	11.43	2697.	3.307
1232.	11.4	2698.	3.313
1233.	11.37	2699.	3.308
1234.	11.41	2700.	3.285
1235.	11.4	2701.	3.304
1236.	11.4	2702.	3.316
1237.	11.43	2703.	3.284
1238.	11.4	2704.	3.322
1239.	11.42	2705.	3.311
1240.	11.39	2706.	3.293
1241.	11.39	2707.	3.322
1242.	11.4	2708.	3.286
1243.	11.45	2709.	3.275
1244.	11.37	2710.	3.257
1245.	11.44	2711.	3.301
1246.	11.41	2712.	3.262
1247.	11.43	2713.	3.266
1248.	11.41	2714.	3.26
1249.	11.41	2715.	3.29
1250.	11.4	2716.	3.303
1251.	11.44	2717.	3.249
1252.	11.45	2718.	3.255
1253.	11.39	2719.	3.285
1254.	11.43	2720.	3.271
1255.	11.42	2721.	3.237
1256.	11.41	2722.	3.251
1257.	11.47	2723.	3.236
1258.	11.42	2724.	3.262
1259.	11.46	2725.	3.219
1260.	11.48	2726.	3.246
1261.	11.43	2727.	3.258
1262.	11.43	2728.	3.236
1263.	11.45	2729.	3.219
1264.	11.46	2730.	3.209
1265.	11.44	2731.	3.243
1266.	11.44	2732.	3.219
1267.	11.47	2733.	3.235
1268.	11.47	2734.	3.239
1269.	11.46	2735.	3.242
1270.	11.5	2736.	3.256
1271.	11.46	2737.	3.207
1272.	11.52	2738.	3.247
1273.	11.49	2739.	3.27
1274.	11.47	2740.	3.227
1275.	11.47	2741.	3.231
1276.	11.48	2742.	3.222
1277.	11.46	2743.	3.22
1278.	11.49	2744.	3.199
1279.	11.49	2745.	3.204
1280.	11.49	2746.	3.232
1281.	11.48	2747.	3.211
1282.	11.48	2748.	3.226
1283.	11.5	2749.	3.185
1284.	11.49	2750.	3.257
1285.	11.57	2751.	3.192
1286.	11.49	2752.	3.211

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	11.57	2753.	3.232
1288.	11.53	2754.	3.198
1289.	11.53	2755.	3.206
1290.	11.54	2756.	3.189
1291.	11.54	2757.	3.214
1292.	11.54	2758.	3.178
1293.	11.52	2759.	3.205
1294.	11.55	2760.	3.175
1295.	11.55	2761.	3.167
1296.	11.57	2762.	3.167
1297.	11.55	2763.	3.169
1298.	11.55	2764.	3.174
1299.	11.56	2765.	3.188
1300.	11.58	2766.	3.13
1301.	11.58	2767.	3.177
1302.	11.59	2768.	3.172
1303.	11.58	2769.	3.108
1304.	11.61	2770.	3.161
1305.	11.61	2771.	3.18
1306.	11.56	2772.	3.198
1307.	11.64	2773.	3.143
1308.	11.59	2774.	3.136
1309.	11.57	2775.	3.158
1310.	11.62	2776.	3.161
1311.	11.56	2777.	3.205
1312.	11.63	2778.	3.128
1313.	11.62	2779.	3.165
1314.	11.61	2780.	3.194
1315.	11.62	2781.	3.119
1316.	11.61	2782.	3.176
1317.	11.6	2783.	3.155
1318.	11.67	2784.	3.141
1319.	11.6	2785.	3.131
1320.	11.62	2786.	3.151
1321.	11.65	2787.	3.11
1322.	11.65	2788.	3.146
1323.	11.66	2789.	3.136
1324.	11.62	2790.	3.137
1325.	11.66	2791.	3.126
1326.	11.63	2792.	3.126
1327.	11.65	2793.	3.121
1328.	11.67	2794.	3.149
1329.	11.69	2795.	3.066
1330.	11.67	2796.	3.132
1331.	11.66	2797.	3.106
1332.	11.72	2798.	3.113
1333.	11.7	2799.	3.151
1334.	11.68	2800.	3.117
1335.	11.7	2801.	3.134
1336.	11.69	2802.	3.117
1337.	11.72	2803.	3.101
1338.	11.68	2804.	3.145
1339.	11.65	2805.	3.107
1340.	11.72	2806.	3.122
1341.	11.74	2807.	3.068
1342.	11.75	2808.	3.085
1343.	11.72	2809.	3.131
1344.	11.69	2810.	3.1
1345.	11.75	2811.	3.101
1346.	11.72	2812.	3.06
1347.	11.71	2813.	3.083
1348.	11.74	2814.	3.091
1349.	11.75	2815.	3.087
1350.	11.74	2816.	3.08
1351.	11.76	2817.	3.01
1352.	11.71	2818.	3.056

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	11.74	2819.	3.069
1354.	11.76	2820.	3.052
1355.	11.79	2821.	3.06
1356.	11.79	2822.	3.082
1357.	11.78	2823.	3.108
1358.	11.72	2824.	3.079
1359.	11.78	2825.	3.057
1360.	11.78	2826.	3.058
1361.	11.77	2827.	3.055
1362.	11.75	2828.	3.079
1363.	11.79	2829.	3.087
1364.	11.79	2830.	3.071
1365.	11.81	2831.	3.089
1366.	11.79	2832.	3.043
1367.	11.8	2833.	3.074
1368.	11.79	2834.	3.044
1369.	11.78	2835.	3.093
1370.	11.78	2836.	3.075
1371.	11.8	2837.	3.045
1372.	11.82	2838.	3.076
1373.	11.81	2839.	3.046
1374.	11.8	2840.	3.028
1375.	11.81	2841.	3.039
1376.	11.85	2842.	3.022
1377.	11.8	2843.	3.055
1378.	11.79	2844.	3.051
1379.	11.84	2845.	3.046
1380.	11.86	2846.	3.046
1381.	11.89	2847.	2.991
1382.	11.84	2848.	2.982
1383.	11.78	2849.	3.019
1384.	11.82	2850.	3.021
1385.	11.87	2851.	3.022
1386.	11.88	2852.	3.046
1387.	11.85	2853.	3.064
1388.	11.9	2854.	3.08
1389.	11.87	2855.	3.024
1390.	11.86	2856.	3.032
1391.	11.91	2857.	2.988
1392.	11.88	2858.	2.993
1393.	11.84	2859.	2.979
1394.	11.9	2860.	3.017
1395.	11.91	2861.	3.028
1396.	11.92	2862.	3.021
1397.	11.91	2863.	3.05
1398.	11.94	2864.	3.02
1399.	11.9	2865.	2.993
1400.	11.94	2866.	2.975
1401.	11.94	2867.	2.977
1402.	11.91	2868.	3.042
1403.	11.93	2869.	3.018
1404.	11.94	2870.	3.007
1405.	11.91	2871.	3.002
1406.	11.94	2872.	2.974
1407.	11.92	2873.	2.978
1408.	11.96	2874.	3.
1409.	11.94	2875.	2.961
1410.	11.95	2876.	2.996
1411.	11.92	2877.	2.978
1412.	11.95	2878.	2.97
1413.	11.95	2879.	2.974
1414.	12.	2880.	2.984
1415.	11.94	2881.	2.976
1416.	11.94	2882.	2.997
1417.	11.97	2883.	3.005
1418.	11.99	2884.	2.962

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	11.99	2885.	2.929
1420.	11.95	2886.	2.966
1421.	11.93	2887.	3.023
1422.	11.98	2888.	2.938
1423.	12.02	2889.	2.998
1424.	12.02	2890.	2.954
1425.	12.03	2891.	2.967
1426.	12.03	2892.	2.934
1427.	12.01	2893.	2.965
1428.	12.02	2894.	2.991
1429.	12.05	2895.	2.884
1430.	12.02	2896.	2.991
1431.	12.04	2897.	2.941
1432.	12.01	2898.	2.968
1433.	12.01	2899.	2.926
1434.	12.05	2900.	2.96
1435.	12.01	2901.	2.967
1436.	12.04	2902.	2.92
1437.	12.05	2903.	2.947
1438.	12.04	2904.	2.926
1439.	12.01	2905.	2.914
1440.	12.04	2906.	2.996
1441.	12.06	2907.	2.943
1442.	12.06	2908.	2.938
1443.	12.07	2909.	2.945
1444.	12.07	2910.	2.921
1445.	12.09	2911.	2.918
1446.	12.1	2912.	2.916
1447.	12.07	2913.	2.971
1448.	12.04	2914.	2.892
1449.	12.06	2915.	2.923
1450.	12.05	2916.	2.911
1451.	12.	2917.	2.941
1452.	11.93	2918.	2.904
1453.	11.92	2919.	2.906
1454.	11.92	2920.	2.903
1455.	11.85	2921.	2.991
1456.	11.76	2922.	2.891
1457.	11.78	2923.	2.909
1458.	11.73	2924.	2.898
1459.	11.71	2925.	2.921
1460.	11.67	2926.	2.934
1461.	11.64	2927.	2.875
1462.	11.61	2928.	2.85
1463.	11.53	2929.	2.89
1464.	11.58	2930.	2.906
1465.	11.51	2931.	2.919
1466.	11.48	2932.	2.888

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1224.4	ft^2/day
S	0.000191	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.31 ft/day (0.005399 cm/sec)

Ss = S/b = 2.387E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1221.	1.429	+/- 2.803	854.1	ft^2/day
S	0.0002576	5.258E-7	+/- 1.031E-6	489.9	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.26 ft/day (0.005384 cm/sec)
Ss = S/b = 3.22E-6 1/ft

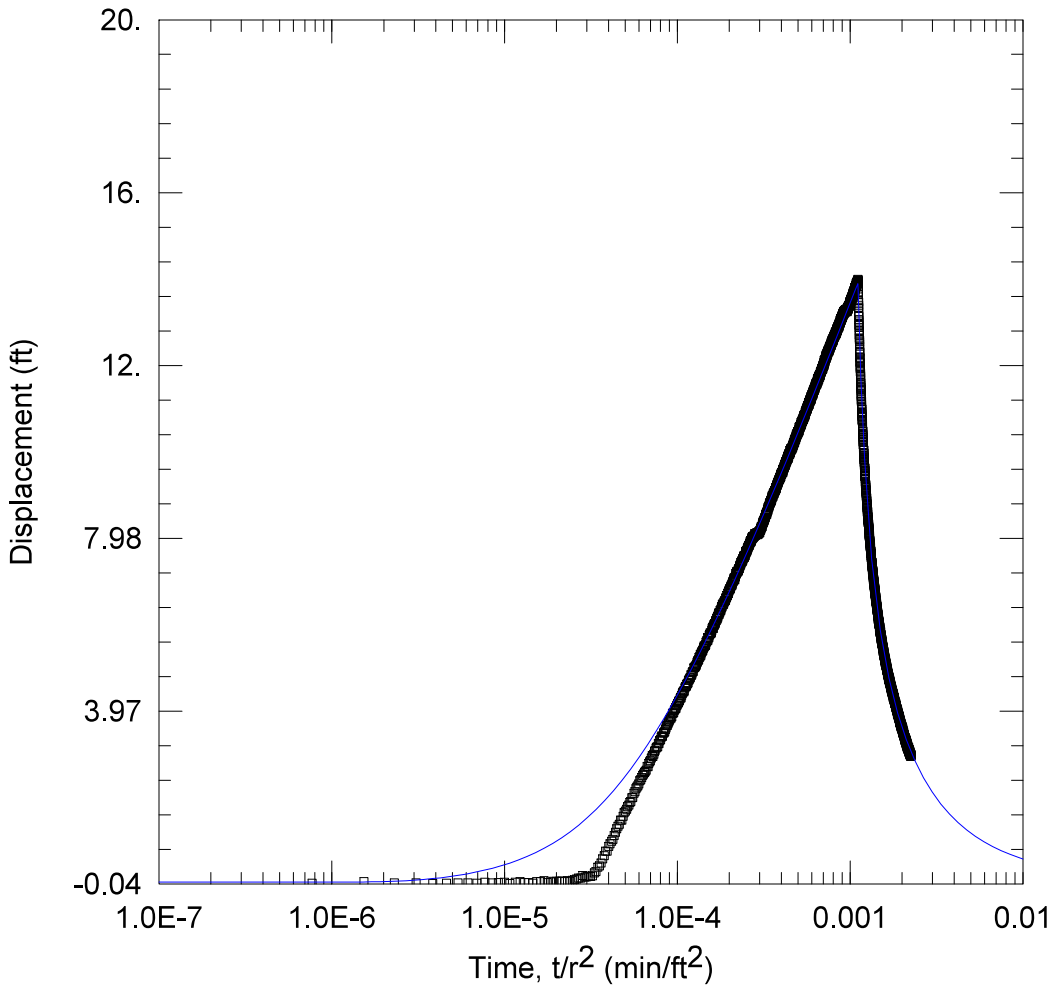
Parameter Correlations

	T	S
T	1.00	-0.81
S	-0.81	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 97.75 ft^2
Variance . . . . . 0.03336 ft^2
Std. Deviation . . . . . 0.1827 ft
Mean . . . . . -0.05246 ft
No. of Residuals 2932
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW5A.aqt
Date: 04/11/25 Time: 12:01:45

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW5A	2280	1130

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1261.4 ft^2/day
S = 0.0001504
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 09:56:47

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW5A

X Location: 2280. ft
Y Location: 1130. ft

Radial distance from BM 1B: 1140.024561 ft
Radial distance from BM2A: 796.0515059 ft
Radial distance from BM3: 1674.231167 ft
Radial distance from BM 4 : 1469.369933 ft
Radial distance from BM5: 1440.183669 ft
Radial distance from BM 6: 1269.43452 ft
Radial distance from BM7: 914.8464352 ft
Radial distance from BM9: 404.2833165 ft

Fully Penetrating Well

No. of Observations: 2925

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.02254	1464.	13.
2.	0.01127	1465.	12.93
3.	-0.02033	1466.	12.91
4.	-0.016	1467.	12.87
5.	-0.03528	1468.	12.78
6.	-0.0272	1469.	12.79
7.	-0.01915	1470.	12.69
8.	-0.016	1471.	12.69
9.	-0.02266	1472.	12.63
10.	-0.00658	1473.	12.58
11.	-0.01585	1474.	12.57
12.	-0.007724	1475.	12.53
13.	-0.005453	1476.	12.48
14.	-0.03276	1477.	12.43
15.	-0.002212	1478.	12.37
16.	0.015	1479.	12.32
17.	-0.01119	1480.	12.27
18.	-0.009205	1481.	12.29
19.	-0.02628	1482.	12.18
20.	0.01243	1483.	12.15
21.	0.009257	1484.	12.15
22.	0.03068	1485.	12.07
23.	-0.01246	1486.	12.05
24.	0.001172	1487.	12.03
25.	0.02278	1488.	11.96
26.	0.02028	1489.	11.94
27.	0.01833	1490.	11.9
28.	0.0241	1491.	11.92
29.	0.01483	1492.	11.84
30.	0.0318	1493.	11.81
31.	0.01607	1494.	11.77
32.	0.03866	1495.	11.74

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.05336	1496.	11.72
34.	0.07377	1497.	11.69
35.	0.0917	1498.	11.65
36.	0.09094	1499.	11.59
37.	0.1511	1500.	11.58
38.	0.1169	1501.	11.53
39.	0.1262	1502.	11.48
40.	0.1454	1503.	11.49
41.	0.1372	1504.	11.44
42.	0.1463	1505.	11.4
43.	0.2169	1506.	11.43
44.	0.2425	1507.	11.33
45.	0.3459	1508.	11.3
46.	0.3788	1509.	11.28
47.	0.4456	1510.	11.26
48.	0.5399	1511.	11.19
49.	0.6102	1512.	11.15
50.	0.7181	1513.	11.14
51.	0.7193	1514.	11.16
52.	0.8336	1515.	11.07
53.	0.8893	1516.	11.08
54.	0.9495	1517.	11.03
55.	0.998	1518.	11.01
56.	1.082	1519.	10.97
57.	1.159	1520.	10.98
58.	1.238	1521.	10.92
59.	1.3	1522.	10.87
60.	1.347	1523.	10.86
61.	1.437	1524.	10.84
62.	1.442	1525.	10.81
63.	1.528	1526.	10.8
64.	1.614	1527.	10.79
65.	1.652	1528.	10.73
66.	1.688	1529.	10.72
67.	1.753	1530.	10.71
68.	1.79	1531.	10.69
69.	1.851	1532.	10.65
70.	1.87	1533.	10.6
71.	1.959	1534.	10.58
72.	1.966	1535.	10.57
73.	2.059	1536.	10.55
74.	2.095	1537.	10.5
75.	2.166	1538.	10.46
76.	2.204	1539.	10.46
77.	2.233	1540.	10.45
78.	2.279	1541.	10.4
79.	2.347	1542.	10.37
80.	2.371	1543.	10.38
81.	2.422	1544.	10.35
82.	2.474	1545.	10.32
83.	2.509	1546.	10.31
84.	2.541	1547.	10.27
85.	2.564	1548.	10.24
86.	2.595	1549.	10.21
87.	2.687	1550.	10.2
88.	2.679	1551.	10.14
89.	2.754	1552.	10.14
90.	2.789	1553.	10.15
91.	2.814	1554.	10.11
92.	2.876	1555.	10.08
93.	2.938	1556.	10.08
94.	2.917	1557.	10.05
95.	2.968	1558.	10.03
96.	3.028	1559.	10.02
97.	3.055	1560.	9.948
98.	3.106	1561.	9.952

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	3.131	1562.	9.944
100.	3.134	1563.	9.956
101.	3.218	1564.	9.895
102.	3.211	1565.	9.861
103.	3.275	1566.	9.86
104.	3.298	1567.	9.832
105.	3.359	1568.	9.838
106.	3.388	1569.	9.797
107.	3.384	1570.	9.796
108.	3.453	1571.	9.736
109.	3.46	1572.	9.744
110.	3.486	1573.	9.731
111.	3.536	1574.	9.7
112.	3.573	1575.	9.673
113.	3.628	1576.	9.657
114.	3.633	1577.	9.669
115.	3.669	1578.	9.608
116.	3.709	1579.	9.608
117.	3.738	1580.	9.6
118.	3.776	1581.	9.554
119.	3.802	1582.	9.556
120.	3.802	1583.	9.524
121.	3.844	1584.	9.511
122.	3.914	1585.	9.545
123.	3.916	1586.	9.448
124.	3.931	1587.	9.461
125.	3.981	1588.	9.429
126.	4.002	1589.	9.41
127.	4.04	1590.	9.412
128.	4.027	1591.	9.409
129.	4.083	1592.	9.357
130.	4.108	1593.	9.358
131.	4.147	1594.	9.34
132.	4.161	1595.	9.292
133.	4.2	1596.	9.285
134.	4.208	1597.	9.275
135.	4.249	1598.	9.237
136.	4.288	1599.	9.232
137.	4.269	1600.	9.203
138.	4.33	1601.	9.206
139.	4.374	1602.	9.174
140.	4.393	1603.	9.161
141.	4.426	1604.	9.156
142.	4.41	1605.	9.137
143.	4.441	1606.	9.107
144.	4.502	1607.	9.095
145.	4.529	1608.	9.081
146.	4.539	1609.	9.049
147.	4.546	1610.	9.015
148.	4.588	1611.	9.056
149.	4.597	1612.	9.03
150.	4.622	1613.	9.027
151.	4.681	1614.	9.005
152.	4.692	1615.	8.953
153.	4.708	1616.	8.967
154.	4.736	1617.	8.946
155.	4.749	1618.	8.923
156.	4.808	1619.	8.922
157.	4.795	1620.	8.907
158.	4.82	1621.	8.849
159.	4.87	1622.	8.841
160.	4.878	1623.	8.834
161.	4.889	1624.	8.804
162.	4.962	1625.	8.848
163.	4.979	1626.	8.778
164.	4.976	1627.	8.762

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	5.	1628.	8.776
166.	5.01	1629.	8.739
167.	5.025	1630.	8.719
168.	5.049	1631.	8.738
169.	5.087	1632.	8.688
170.	5.108	1633.	8.68
171.	5.137	1634.	8.663
172.	5.145	1635.	8.686
173.	5.159	1636.	8.65
174.	5.211	1637.	8.577
175.	5.218	1638.	8.633
176.	5.233	1639.	8.594
177.	5.279	1640.	8.582
178.	5.261	1641.	8.605
179.	5.315	1642.	8.59
180.	5.333	1643.	8.543
181.	5.352	1644.	8.537
182.	5.375	1645.	8.519
183.	5.37	1646.	8.481
184.	5.426	1647.	8.471
185.	5.434	1648.	8.477
186.	5.472	1649.	8.431
187.	5.47	1650.	8.41
188.	5.485	1651.	8.462
189.	5.492	1652.	8.406
190.	5.508	1653.	8.389
191.	5.568	1654.	8.387
192.	5.575	1655.	8.372
193.	5.605	1656.	8.383
194.	5.608	1657.	8.358
195.	5.673	1658.	8.334
196.	5.613	1659.	8.339
197.	5.666	1660.	8.34
198.	5.682	1661.	8.311
199.	5.733	1662.	8.312
200.	5.742	1663.	8.255
201.	5.751	1664.	8.287
202.	5.786	1665.	8.268
203.	5.765	1666.	8.253
204.	5.781	1667.	8.211
205.	5.799	1668.	8.228
206.	5.838	1669.	8.196
207.	5.879	1670.	8.216
208.	5.905	1671.	8.186
209.	5.914	1672.	8.174
210.	5.886	1673.	8.16
211.	5.944	1674.	8.088
212.	5.973	1675.	8.106
213.	5.961	1676.	8.136
214.	6.001	1677.	8.061
215.	5.991	1678.	8.071
216.	6.016	1679.	8.045
217.	6.052	1680.	8.051
218.	6.073	1681.	8.014
219.	6.073	1682.	8.038
220.	6.127	1683.	8.042
221.	6.107	1684.	8.02
222.	6.159	1685.	7.961
223.	6.144	1686.	7.989
224.	6.195	1687.	7.939
225.	6.239	1688.	7.969
226.	6.201	1689.	7.934
227.	6.218	1690.	7.928
228.	6.253	1691.	7.882
229.	6.257	1692.	7.924
230.	6.298	1693.	7.908

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	6.304	1694.	7.877
232.	6.293	1695.	7.871
233.	6.328	1696.	7.859
234.	6.364	1697.	7.85
235.	6.386	1698.	7.827
236.	6.383	1699.	7.836
237.	6.444	1700.	7.806
238.	6.423	1701.	7.801
239.	6.438	1702.	7.783
240.	6.445	1703.	7.769
241.	6.446	1704.	7.799
242.	6.482	1705.	7.765
243.	6.507	1706.	7.75
244.	6.521	1707.	7.751
245.	6.536	1708.	7.766
246.	6.535	1709.	7.737
247.	6.543	1710.	7.718
248.	6.587	1711.	7.686
249.	6.594	1712.	7.689
250.	6.602	1713.	7.67
251.	6.604	1714.	7.662
252.	6.649	1715.	7.665
253.	6.654	1716.	7.628
254.	6.647	1717.	7.622
255.	6.693	1718.	7.63
256.	6.707	1719.	7.623
257.	6.694	1720.	7.621
258.	6.756	1721.	7.563
259.	6.758	1722.	7.615
260.	6.798	1723.	7.57
261.	6.795	1724.	7.562
262.	6.793	1725.	7.522
263.	6.817	1726.	7.526
264.	6.807	1727.	7.514
265.	6.841	1728.	7.524
266.	6.866	1729.	7.535
267.	6.882	1730.	7.473
268.	6.891	1731.	7.517
269.	6.885	1732.	7.455
270.	6.906	1733.	7.469
271.	6.936	1734.	7.422
272.	6.949	1735.	7.422
273.	6.966	1736.	7.425
274.	6.985	1737.	7.403
275.	6.995	1738.	7.379
276.	7.011	1739.	7.42
277.	7.037	1740.	7.39
278.	7.061	1741.	7.386
279.	7.042	1742.	7.37
280.	7.017	1743.	7.342
281.	7.07	1744.	7.326
282.	7.088	1745.	7.341
283.	7.101	1746.	7.324
284.	7.149	1747.	7.3
285.	7.149	1748.	7.304
286.	7.144	1749.	7.312
287.	7.193	1750.	7.305
288.	7.184	1751.	7.289
289.	7.194	1752.	7.286
290.	7.197	1753.	7.262
291.	7.215	1754.	7.226
292.	7.21	1755.	7.243
293.	7.217	1756.	7.223
294.	7.26	1757.	7.231
295.	7.267	1758.	7.215
296.	7.274	1759.	7.205

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	7.271	1760.	7.207
298.	7.314	1761.	7.178
299.	7.321	1762.	7.177
300.	7.348	1763.	7.146
301.	7.366	1764.	7.188
302.	7.356	1765.	7.158
303.	7.383	1766.	7.136
304.	7.415	1767.	7.132
305.	7.42	1768.	7.141
306.	7.446	1769.	7.091
307.	7.429	1770.	7.109
308.	7.455	1771.	7.082
309.	7.436	1772.	7.092
310.	7.497	1773.	7.053
311.	7.471	1774.	7.066
312.	7.498	1775.	7.054
313.	7.514	1776.	7.022
314.	7.526	1777.	7.045
315.	7.524	1778.	7.022
316.	7.556	1779.	7.02
317.	7.582	1780.	7.016
318.	7.537	1781.	6.991
319.	7.568	1782.	6.982
320.	7.576	1783.	7.
321.	7.579	1784.	6.982
322.	7.608	1785.	6.944
323.	7.646	1786.	6.973
324.	7.669	1787.	6.942
325.	7.638	1788.	6.938
326.	7.675	1789.	6.952
327.	7.69	1790.	6.918
328.	7.67	1791.	6.88
329.	7.695	1792.	6.889
330.	7.704	1793.	6.908
331.	7.732	1794.	6.873
332.	7.751	1795.	6.887
333.	7.767	1796.	6.857
334.	7.748	1797.	6.872
335.	7.787	1798.	6.845
336.	7.793	1799.	6.825
337.	7.812	1800.	6.844
338.	7.817	1801.	6.833
339.	7.812	1802.	6.811
340.	7.842	1803.	6.807
341.	7.856	1804.	6.786
342.	7.861	1805.	6.77
343.	7.883	1806.	6.829
344.	7.905	1807.	6.793
345.	7.891	1808.	6.787
346.	7.898	1809.	6.772
347.	7.927	1810.	6.739
348.	7.899	1811.	6.771
349.	7.928	1812.	6.742
350.	7.944	1813.	6.695
351.	7.988	1814.	6.711
352.	7.965	1815.	6.707
353.	7.966	1816.	6.693
354.	8.015	1817.	6.679
355.	8.002	1818.	6.687
356.	7.983	1819.	6.668
357.	7.999	1820.	6.66
358.	8.022	1821.	6.683
359.	8.001	1822.	6.661
360.	8.013	1823.	6.644
361.	8.028	1824.	6.627
362.	8.023	1825.	6.605

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	8.023	1826.	6.624
364.	8.043	1827.	6.629
365.	8.053	1828.	6.611
366.	8.084	1829.	6.61
367.	8.087	1830.	6.609
368.	8.055	1831.	6.598
369.	8.074	1832.	6.577
370.	8.049	1833.	6.538
371.	8.068	1834.	6.556
372.	8.066	1835.	6.535
373.	8.078	1836.	6.538
374.	8.085	1837.	6.529
375.	8.077	1838.	6.527
376.	8.109	1839.	6.5
377.	8.092	1840.	6.535
378.	8.095	1841.	6.505
379.	8.057	1842.	6.505
380.	8.108	1843.	6.501
381.	8.067	1844.	6.467
382.	8.073	1845.	6.502
383.	8.091	1846.	6.461
384.	8.095	1847.	6.493
385.	8.125	1848.	6.44
386.	8.097	1849.	6.479
387.	8.121	1850.	6.399
388.	8.102	1851.	6.445
389.	8.134	1852.	6.389
390.	8.145	1853.	6.414
391.	8.101	1854.	6.415
392.	8.163	1855.	6.426
393.	8.159	1856.	6.392
394.	8.167	1857.	6.383
395.	8.197	1858.	6.406
396.	8.171	1859.	6.358
397.	8.236	1860.	6.389
398.	8.204	1861.	6.345
399.	8.221	1862.	6.366
400.	8.239	1863.	6.363
401.	8.241	1864.	6.323
402.	8.257	1865.	6.3
403.	8.246	1866.	6.321
404.	8.297	1867.	6.317
405.	8.316	1868.	6.33
406.	8.318	1869.	6.291
407.	8.335	1870.	6.297
408.	8.344	1871.	6.327
409.	8.343	1872.	6.249
410.	8.373	1873.	6.253
411.	8.373	1874.	6.252
412.	8.378	1875.	6.259
413.	8.392	1876.	6.235
414.	8.4	1877.	6.262
415.	8.408	1878.	6.23
416.	8.424	1879.	6.22
417.	8.43	1880.	6.225
418.	8.453	1881.	6.214
419.	8.463	1882.	6.205
420.	8.469	1883.	6.209
421.	8.52	1884.	6.182
422.	8.51	1885.	6.181
423.	8.52	1886.	6.17
424.	8.51	1887.	6.172
425.	8.523	1888.	6.168
426.	8.553	1889.	6.157
427.	8.574	1890.	6.167
428.	8.536	1891.	6.17

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	8.57	1892.	6.135
430.	8.599	1893.	6.103
431.	8.587	1894.	6.085
432.	8.658	1895.	6.119
433.	8.625	1896.	6.133
434.	8.622	1897.	6.139
435.	8.619	1898.	6.088
436.	8.654	1899.	6.078
437.	8.689	1900.	6.079
438.	8.708	1901.	6.084
439.	8.691	1902.	6.04
440.	8.69	1903.	6.102
441.	8.718	1904.	6.047
442.	8.726	1905.	6.059
443.	8.781	1906.	6.029
444.	8.75	1907.	6.042
445.	8.777	1908.	6.063
446.	8.794	1909.	6.031
447.	8.802	1910.	5.997
448.	8.788	1911.	6.029
449.	8.813	1912.	6.026
450.	8.802	1913.	6.022
451.	8.838	1914.	6.005
452.	8.839	1915.	5.996
453.	8.849	1916.	5.986
454.	8.851	1917.	5.975
455.	8.841	1918.	5.98
456.	8.88	1919.	5.97
457.	8.873	1920.	5.943
458.	8.893	1921.	5.971
459.	8.934	1922.	5.966
460.	8.915	1923.	5.946
461.	8.945	1924.	5.916
462.	8.966	1925.	5.965
463.	8.935	1926.	5.909
464.	8.964	1927.	5.894
465.	8.97	1928.	5.954
466.	8.942	1929.	5.93
467.	8.996	1930.	5.889
468.	9.01	1931.	5.912
469.	9.024	1932.	5.864
470.	9.026	1933.	5.902
471.	9.011	1934.	5.897
472.	9.006	1935.	5.844
473.	9.045	1936.	5.868
474.	9.037	1937.	5.82
475.	9.078	1938.	5.838
476.	9.07	1939.	5.836
477.	9.077	1940.	5.826
478.	9.081	1941.	5.856
479.	9.073	1942.	5.797
480.	9.076	1943.	5.795
481.	9.127	1944.	5.831
482.	9.124	1945.	5.829
483.	9.122	1946.	5.825
484.	9.15	1947.	5.783
485.	9.118	1948.	5.804
486.	9.159	1949.	5.784
487.	9.13	1950.	5.787
488.	9.163	1951.	5.805
489.	9.196	1952.	5.777
490.	9.211	1953.	5.809
491.	9.219	1954.	5.748
492.	9.197	1955.	5.752
493.	9.218	1956.	5.753
494.	9.247	1957.	5.74

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	9.26	1958.	5.714
496.	9.275	1959.	5.753
497.	9.274	1960.	5.738
498.	9.256	1961.	5.701
499.	9.303	1962.	5.719
500.	9.279	1963.	5.703
501.	9.3	1964.	5.72
502.	9.321	1965.	5.696
503.	9.322	1966.	5.706
504.	9.33	1967.	5.652
505.	9.327	1968.	5.66
506.	9.352	1969.	5.676
507.	9.336	1970.	5.646
508.	9.374	1971.	5.665
509.	9.345	1972.	5.654
510.	9.399	1973.	5.619
511.	9.392	1974.	5.627
512.	9.395	1975.	5.651
513.	9.374	1976.	5.641
514.	9.387	1977.	5.625
515.	9.446	1978.	5.615
516.	9.438	1979.	5.637
517.	9.446	1980.	5.622
518.	9.404	1981.	5.602
519.	9.464	1982.	5.592
520.	9.473	1983.	5.624
521.	9.464	1984.	5.582
522.	9.452	1985.	5.618
523.	9.509	1986.	5.583
524.	9.492	1987.	5.583
525.	9.501	1988.	5.557
526.	9.506	1989.	5.558
527.	9.493	1990.	5.534
528.	9.528	1991.	5.588
529.	9.569	1992.	5.533
530.	9.502	1993.	5.537
531.	9.523	1994.	5.524
532.	9.545	1995.	5.554
533.	9.583	1996.	5.509
534.	9.57	1997.	5.516
535.	9.594	1998.	5.534
536.	9.587	1999.	5.539
537.	9.595	2000.	5.508
538.	9.607	2001.	5.508
539.	9.612	2002.	5.491
540.	9.642	2003.	5.518
541.	9.622	2004.	5.504
542.	9.66	2005.	5.456
543.	9.659	2006.	5.464
544.	9.68	2007.	5.463
545.	9.686	2008.	5.459
546.	9.662	2009.	5.435
547.	9.699	2010.	5.454
548.	9.686	2011.	5.44
549.	9.706	2012.	5.437
550.	9.67	2013.	5.449
551.	9.703	2014.	5.457
552.	9.747	2015.	5.406
553.	9.73	2016.	5.414
554.	9.76	2017.	5.405
555.	9.751	2018.	5.412
556.	9.747	2019.	5.418
557.	9.765	2020.	5.405
558.	9.762	2021.	5.386
559.	9.773	2022.	5.381
560.	9.803	2023.	5.409

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	9.793	2024.	5.374
562.	9.822	2025.	5.354
563.	9.823	2026.	5.398
564.	9.809	2027.	5.347
565.	9.83	2028.	5.346
566.	9.853	2029.	5.349
567.	9.873	2030.	5.35
568.	9.838	2031.	5.337
569.	9.884	2032.	5.338
570.	9.871	2033.	5.336
571.	9.838	2034.	5.332
572.	9.864	2035.	5.314
573.	9.88	2036.	5.321
574.	9.886	2037.	5.3
575.	9.929	2038.	5.285
576.	9.93	2039.	5.356
577.	9.946	2040.	5.322
578.	9.924	2041.	5.278
579.	9.948	2042.	5.312
580.	9.953	2043.	5.301
581.	9.921	2044.	5.269
582.	9.957	2045.	5.298
583.	9.929	2046.	5.248
584.	10.01	2047.	5.294
585.	10.	2048.	5.268
586.	10.	2049.	5.257
587.	9.967	2050.	5.262
588.	10.01	2051.	5.274
589.	10.05	2052.	5.232
590.	10.03	2053.	5.247
591.	10.01	2054.	5.246
592.	10.04	2055.	5.253
593.	10.02	2056.	5.237
594.	10.04	2057.	5.215
595.	10.06	2058.	5.234
596.	10.06	2059.	5.222
597.	10.04	2060.	5.204
598.	10.05	2061.	5.209
599.	10.05	2062.	5.173
600.	10.08	2063.	5.185
601.	10.07	2064.	5.191
602.	10.09	2065.	5.161
603.	10.11	2066.	5.181
604.	10.12	2067.	5.205
605.	10.08	2068.	5.141
606.	10.12	2069.	5.186
607.	10.11	2070.	5.171
608.	10.12	2071.	5.17
609.	10.15	2072.	5.133
610.	10.14	2073.	5.185
611.	10.17	2074.	5.125
612.	10.18	2075.	5.121
613.	10.16	2076.	5.126
614.	10.19	2077.	5.14
615.	10.2	2078.	5.097
616.	10.21	2079.	5.141
617.	10.2	2080.	5.115
618.	10.19	2081.	5.091
619.	10.22	2082.	5.149
620.	10.26	2083.	5.091
621.	10.25	2084.	5.094
622.	10.2	2085.	5.127
623.	10.28	2086.	5.097
624.	10.25	2087.	5.077
625.	10.26	2088.	5.109
626.	10.28	2089.	5.077

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	10.28	2090.	5.078
628.	10.29	2091.	5.09
629.	10.26	2092.	5.051
630.	10.28	2093.	5.09
631.	10.32	2094.	5.061
632.	10.32	2095.	5.041
633.	10.33	2096.	5.054
634.	10.32	2097.	5.048
635.	10.37	2098.	5.045
636.	10.35	2099.	5.024
637.	10.36	2100.	5.064
638.	10.37	2101.	5.024
639.	10.37	2102.	5.027
640.	10.39	2103.	5.007
641.	10.39	2104.	5.029
642.	10.41	2105.	5.036
643.	10.37	2106.	5.04
644.	10.41	2107.	5.029
645.	10.41	2108.	5.008
646.	10.4	2109.	5.007
647.	10.45	2110.	5.011
648.	10.44	2111.	5.015
649.	10.42	2112.	4.961
650.	10.44	2113.	5.013
651.	10.46	2114.	4.968
652.	10.42	2115.	4.951
653.	10.46	2116.	4.963
654.	10.45	2117.	4.948
655.	10.48	2118.	4.989
656.	10.46	2119.	4.933
657.	10.48	2120.	4.966
658.	10.47	2121.	4.991
659.	10.47	2122.	4.953
660.	10.54	2123.	4.95
661.	10.55	2124.	4.94
662.	10.51	2125.	4.916
663.	10.55	2126.	4.952
664.	10.55	2127.	4.946
665.	10.56	2128.	4.935
666.	10.55	2129.	4.901
667.	10.56	2130.	4.924
668.	10.54	2131.	4.917
669.	10.57	2132.	4.906
670.	10.6	2133.	4.902
671.	10.58	2134.	4.923
672.	10.6	2135.	4.914
673.	10.58	2136.	4.904
674.	10.61	2137.	4.891
675.	10.61	2138.	4.875
676.	10.62	2139.	4.871
677.	10.63	2140.	4.886
678.	10.67	2141.	4.877
679.	10.61	2142.	4.88
680.	10.64	2143.	4.866
681.	10.66	2144.	4.831
682.	10.67	2145.	4.879
683.	10.64	2146.	4.864
684.	10.67	2147.	4.837
685.	10.69	2148.	4.835
686.	10.7	2149.	4.854
687.	10.69	2150.	4.836
688.	10.72	2151.	4.843
689.	10.68	2152.	4.819
690.	10.73	2153.	4.821
691.	10.7	2154.	4.813
692.	10.72	2155.	4.813

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	10.73	2156.	4.825
694.	10.73	2157.	4.823
695.	10.76	2158.	4.808
696.	10.73	2159.	4.824
697.	10.74	2160.	4.805
698.	10.78	2161.	4.795
699.	10.78	2162.	4.796
700.	10.75	2163.	4.799
701.	10.79	2164.	4.792
702.	10.78	2165.	4.814
703.	10.81	2166.	4.786
704.	10.83	2167.	4.78
705.	10.8	2168.	4.782
706.	10.79	2169.	4.831
707.	10.8	2170.	4.763
708.	10.82	2171.	4.737
709.	10.85	2172.	4.757
710.	10.84	2173.	4.751
711.	10.81	2174.	4.763
712.	10.85	2175.	4.751
713.	10.85	2176.	4.78
714.	10.9	2177.	4.743
715.	10.85	2178.	4.765
716.	10.87	2179.	4.746
717.	10.91	2180.	4.73
718.	10.88	2181.	4.706
719.	10.89	2182.	4.7
720.	10.92	2183.	4.741
721.	10.92	2184.	4.695
722.	10.93	2185.	4.719
723.	10.91	2186.	4.722
724.	10.94	2187.	4.699
725.	10.95	2188.	4.689
726.	10.92	2189.	4.693
727.	10.95	2190.	4.73
728.	10.97	2191.	4.69
729.	10.95	2192.	4.71
730.	10.96	2193.	4.708
731.	10.97	2194.	4.662
732.	10.99	2195.	4.682
733.	10.98	2196.	4.693
734.	11.01	2197.	4.677
735.	11.	2198.	4.702
736.	10.98	2199.	4.683
737.	11.05	2200.	4.655
738.	11.05	2201.	4.675
739.	11.03	2202.	4.666
740.	11.04	2203.	4.663
741.	11.04	2204.	4.654
742.	11.03	2205.	4.699
743.	11.05	2206.	4.671
744.	11.05	2207.	4.648
745.	11.06	2208.	4.64
746.	11.08	2209.	4.623
747.	11.07	2210.	4.624
748.	11.11	2211.	4.646
749.	11.09	2212.	4.637
750.	11.12	2213.	4.619
751.	11.08	2214.	4.642
752.	11.08	2215.	4.604
753.	11.12	2216.	4.622
754.	11.09	2217.	4.618
755.	11.14	2218.	4.623
756.	11.14	2219.	4.607
757.	11.14	2220.	4.604
758.	11.16	2221.	4.605

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	11.13	2222.	4.582
760.	11.17	2223.	4.59
761.	11.18	2224.	4.619
762.	11.17	2225.	4.585
763.	11.16	2226.	4.582
764.	11.2	2227.	4.572
765.	11.17	2228.	4.618
766.	11.17	2229.	4.564
767.	11.17	2230.	4.588
768.	11.19	2231.	4.573
769.	11.21	2232.	4.574
770.	11.21	2233.	4.525
771.	11.19	2234.	4.538
772.	11.23	2235.	4.529
773.	11.25	2236.	4.536
774.	11.26	2237.	4.562
775.	11.21	2238.	4.54
776.	11.23	2239.	4.495
777.	11.26	2240.	4.53
778.	11.25	2241.	4.549
779.	11.26	2242.	4.526
780.	11.26	2243.	4.536
781.	11.28	2244.	4.505
782.	11.29	2245.	4.513
783.	11.3	2246.	4.508
784.	11.31	2247.	4.509
785.	11.3	2248.	4.506
786.	11.33	2249.	4.519
787.	11.31	2250.	4.529
788.	11.35	2251.	4.517
789.	11.31	2252.	4.527
790.	11.34	2253.	4.515
791.	11.32	2254.	4.503
792.	11.36	2255.	4.454
793.	11.32	2256.	4.482
794.	11.35	2257.	4.488
795.	11.35	2258.	4.497
796.	11.39	2259.	4.491
797.	11.4	2260.	4.484
798.	11.39	2261.	4.441
799.	11.4	2262.	4.47
800.	11.39	2263.	4.466
801.	11.42	2264.	4.453
802.	11.42	2265.	4.428
803.	11.41	2266.	4.465
804.	11.4	2267.	4.471
805.	11.41	2268.	4.436
806.	11.42	2269.	4.459
807.	11.45	2270.	4.452
808.	11.43	2271.	4.428
809.	11.46	2272.	4.436
810.	11.44	2273.	4.449
811.	11.45	2274.	4.409
812.	11.45	2275.	4.423
813.	11.47	2276.	4.439
814.	11.45	2277.	4.441
815.	11.49	2278.	4.399
816.	11.49	2279.	4.429
817.	11.51	2280.	4.406
818.	11.49	2281.	4.411
819.	11.5	2282.	4.419
820.	11.53	2283.	4.384
821.	11.51	2284.	4.422
822.	11.52	2285.	4.399
823.	11.53	2286.	4.394
824.	11.55	2287.	4.4

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	11.54	2288.	4.403
826.	11.56	2289.	4.381
827.	11.57	2290.	4.403
828.	11.55	2291.	4.379
829.	11.57	2292.	4.363
830.	11.59	2293.	4.364
831.	11.54	2294.	4.384
832.	11.57	2295.	4.368
833.	11.59	2296.	4.376
834.	11.57	2297.	4.37
835.	11.59	2298.	4.367
836.	11.6	2299.	4.37
837.	11.56	2300.	4.382
838.	11.6	2301.	4.359
839.	11.6	2302.	4.361
840.	11.64	2303.	4.369
841.	11.62	2304.	4.353
842.	11.6	2305.	4.345
843.	11.66	2306.	4.335
844.	11.66	2307.	4.351
845.	11.64	2308.	4.342
846.	11.68	2309.	4.294
847.	11.62	2310.	4.317
848.	11.67	2311.	4.337
849.	11.66	2312.	4.346
850.	11.69	2313.	4.285
851.	11.7	2314.	4.322
852.	11.65	2315.	4.282
853.	11.69	2316.	4.328
854.	11.7	2317.	4.283
855.	11.69	2318.	4.319
856.	11.65	2319.	4.337
857.	11.73	2320.	4.274
858.	11.73	2321.	4.289
859.	11.73	2322.	4.289
860.	11.7	2323.	4.271
861.	11.74	2324.	4.271
862.	11.73	2325.	4.277
863.	11.75	2326.	4.276
864.	11.76	2327.	4.288
865.	11.71	2328.	4.273
866.	11.76	2329.	4.293
867.	11.76	2330.	4.294
868.	11.73	2331.	4.264
869.	11.75	2332.	4.261
870.	11.78	2333.	4.225
871.	11.76	2334.	4.255
872.	11.76	2335.	4.258
873.	11.82	2336.	4.251
874.	11.78	2337.	4.262
875.	11.78	2338.	4.284
876.	11.78	2339.	4.278
877.	11.81	2340.	4.222
878.	11.8	2341.	4.232
879.	11.81	2342.	4.249
880.	11.83	2343.	4.244
881.	11.82	2344.	4.227
882.	11.84	2345.	4.213
883.	11.83	2346.	4.188
884.	11.85	2347.	4.256
885.	11.86	2348.	4.209
886.	11.84	2349.	4.181
887.	11.85	2350.	4.182
888.	11.88	2351.	4.232
889.	11.88	2352.	4.19
890.	11.87	2353.	4.205

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	11.86	2354.	4.183
892.	11.89	2355.	4.217
893.	11.88	2356.	4.216
894.	11.92	2357.	4.18
895.	11.91	2358.	4.159
896.	11.89	2359.	4.183
897.	11.92	2360.	4.191
898.	11.9	2361.	4.201
899.	11.93	2362.	4.173
900.	11.96	2363.	4.159
901.	11.91	2364.	4.159
902.	11.92	2365.	4.164
903.	11.91	2366.	4.166
904.	11.94	2367.	4.146
905.	11.95	2368.	4.186
906.	11.97	2369.	4.175
907.	11.96	2370.	4.159
908.	11.99	2371.	4.144
909.	12.	2372.	4.144
910.	11.96	2373.	4.165
911.	11.98	2374.	4.141
912.	11.97	2375.	4.158
913.	12.01	2376.	4.151
914.	12.01	2377.	4.114
915.	12.03	2378.	4.145
916.	12.02	2379.	4.142
917.	12.04	2380.	4.129
918.	12.05	2381.	4.132
919.	12.03	2382.	4.115
920.	12.02	2383.	4.142
921.	11.99	2384.	4.099
922.	12.09	2385.	4.098
923.	12.07	2386.	4.094
924.	12.03	2387.	4.145
925.	12.06	2388.	4.093
926.	12.06	2389.	4.108
927.	12.07	2390.	4.069
928.	12.06	2391.	4.076
929.	12.08	2392.	4.131
930.	12.11	2393.	4.118
931.	12.12	2394.	4.091
932.	12.11	2395.	4.092
933.	12.12	2396.	4.061
934.	12.13	2397.	4.096
935.	12.12	2398.	4.093
936.	12.14	2399.	4.082
937.	12.12	2400.	4.063
938.	12.16	2401.	4.059
939.	12.14	2402.	4.043
940.	12.19	2403.	4.073
941.	12.15	2404.	4.091
942.	12.15	2405.	4.064
943.	12.16	2406.	4.051
944.	12.22	2407.	4.07
945.	12.17	2408.	4.062
946.	12.19	2409.	4.046
947.	12.22	2410.	4.065
948.	12.2	2411.	4.027
949.	12.21	2412.	4.086
950.	12.22	2413.	4.059
951.	12.21	2414.	4.025
952.	12.21	2415.	4.061
953.	12.24	2416.	4.033
954.	12.23	2417.	4.021
955.	12.2	2418.	3.992
956.	12.27	2419.	4.027

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	12.24	2420.	4.02
958.	12.24	2421.	4.033
959.	12.23	2422.	4.011
960.	12.28	2423.	3.982
961.	12.27	2424.	4.034
962.	12.26	2425.	4.008
963.	12.28	2426.	4.006
964.	12.26	2427.	3.996
965.	12.29	2428.	3.985
966.	12.29	2429.	3.981
967.	12.31	2430.	4.013
968.	12.29	2431.	3.97
969.	12.28	2432.	3.981
970.	12.32	2433.	3.975
971.	12.32	2434.	3.99
972.	12.31	2435.	4.013
973.	12.32	2436.	3.978
974.	12.34	2437.	3.968
975.	12.34	2438.	3.948
976.	12.36	2439.	3.955
977.	12.35	2440.	3.952
978.	12.34	2441.	3.975
979.	12.36	2442.	3.991
980.	12.35	2443.	3.948
981.	12.33	2444.	3.937
982.	12.36	2445.	3.973
983.	12.32	2446.	3.958
984.	12.36	2447.	3.956
985.	12.39	2448.	3.912
986.	12.38	2449.	3.925
987.	12.37	2450.	3.931
988.	12.37	2451.	3.978
989.	12.39	2452.	3.928
990.	12.41	2453.	3.92
991.	12.37	2454.	3.897
992.	12.42	2455.	3.906
993.	12.41	2456.	3.932
994.	12.37	2457.	3.954
995.	12.43	2458.	3.922
996.	12.4	2459.	3.911
997.	12.42	2460.	3.931
998.	12.44	2461.	3.911
999.	12.44	2462.	3.903
1000.	12.43	2463.	3.907
1001.	12.42	2464.	3.918
1002.	12.44	2465.	3.905
1003.	12.43	2466.	3.891
1004.	12.46	2467.	3.882
1005.	12.48	2468.	3.883
1006.	12.43	2469.	3.898
1007.	12.48	2470.	3.857
1008.	12.47	2471.	3.9
1009.	12.48	2472.	3.919
1010.	12.51	2473.	3.871
1011.	12.47	2474.	3.852
1012.	12.47	2475.	3.898
1013.	12.45	2476.	3.871
1014.	12.48	2477.	3.894
1015.	12.49	2478.	3.87
1016.	12.53	2479.	3.848
1017.	12.48	2480.	3.849
1018.	12.51	2481.	3.877
1019.	12.54	2482.	3.817
1020.	12.52	2483.	3.838
1021.	12.51	2484.	3.867
1022.	12.55	2485.	3.839

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	12.56	2486.	3.865
1024.	12.52	2487.	3.821
1025.	12.57	2488.	3.838
1026.	12.57	2489.	3.849
1027.	12.54	2490.	3.854
1028.	12.57	2491.	3.814
1029.	12.53	2492.	3.83
1030.	12.58	2493.	3.848
1031.	12.6	2494.	3.821
1032.	12.56	2495.	3.822
1033.	12.58	2496.	3.805
1034.	12.58	2497.	3.799
1035.	12.57	2498.	3.838
1036.	12.55	2499.	3.824
1037.	12.6	2500.	3.789
1038.	12.58	2501.	3.789
1039.	12.57	2502.	3.817
1040.	12.6	2503.	3.795
1041.	12.6	2504.	3.827
1042.	12.61	2505.	3.821
1043.	12.63	2506.	3.849
1044.	12.63	2507.	3.811
1045.	12.64	2508.	3.77
1046.	12.63	2509.	3.8
1047.	12.62	2510.	3.797
1048.	12.65	2511.	3.779
1049.	12.64	2512.	3.776
1050.	12.63	2513.	3.785
1051.	12.67	2514.	3.754
1052.	12.65	2515.	3.807
1053.	12.65	2516.	3.768
1054.	12.65	2517.	3.764
1055.	12.66	2518.	3.745
1056.	12.67	2519.	3.743
1057.	12.66	2520.	3.753
1058.	12.68	2521.	3.767
1059.	12.66	2522.	3.776
1060.	12.66	2523.	3.744
1061.	12.7	2524.	3.771
1062.	12.7	2525.	3.741
1063.	12.68	2526.	3.71
1064.	12.69	2527.	3.754
1065.	12.7	2528.	3.727
1066.	12.72	2529.	3.744
1067.	12.7	2530.	3.715
1068.	12.72	2531.	3.704
1069.	12.71	2532.	3.715
1070.	12.75	2533.	3.704
1071.	12.72	2534.	3.715
1072.	12.73	2535.	3.729
1073.	12.73	2536.	3.712
1074.	12.7	2537.	3.695
1075.	12.71	2538.	3.7
1076.	12.73	2539.	3.696
1077.	12.76	2540.	3.686
1078.	12.76	2541.	3.674
1079.	12.73	2542.	3.693
1080.	12.76	2543.	3.714
1081.	12.75	2544.	3.711
1082.	12.78	2545.	3.673
1083.	12.78	2546.	3.666
1084.	12.72	2547.	3.666
1085.	12.75	2548.	3.704
1086.	12.79	2549.	3.669
1087.	12.79	2550.	3.668
1088.	12.82	2551.	3.656

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	12.78	2552.	3.684
1090.	12.79	2553.	3.652
1091.	12.82	2554.	3.676
1092.	12.79	2555.	3.685
1093.	12.81	2556.	3.655
1094.	12.79	2557.	3.673
1095.	12.82	2558.	3.653
1096.	12.84	2559.	3.686
1097.	12.84	2560.	3.649
1098.	12.85	2561.	3.661
1099.	12.82	2562.	3.651
1100.	12.84	2563.	3.634
1101.	12.84	2564.	3.639
1102.	12.86	2565.	3.619
1103.	12.85	2566.	3.631
1104.	12.87	2567.	3.626
1105.	12.86	2568.	3.627
1106.	12.84	2569.	3.634
1107.	12.85	2570.	3.627
1108.	12.88	2571.	3.594
1109.	12.89	2572.	3.593
1110.	12.89	2573.	3.603
1111.	12.89	2574.	3.618
1112.	12.9	2575.	3.604
1113.	12.89	2576.	3.635
1114.	12.89	2577.	3.636
1115.	12.89	2578.	3.592
1116.	12.9	2579.	3.633
1117.	12.9	2580.	3.635
1118.	12.88	2581.	3.61
1119.	12.88	2582.	3.588
1120.	12.91	2583.	3.618
1121.	12.92	2584.	3.595
1122.	12.91	2585.	3.618
1123.	12.94	2586.	3.586
1124.	12.93	2587.	3.584
1125.	12.95	2588.	3.575
1126.	12.95	2589.	3.606
1127.	12.94	2590.	3.59
1128.	12.98	2591.	3.573
1129.	12.97	2592.	3.597
1130.	12.97	2593.	3.571
1131.	12.95	2594.	3.585
1132.	12.97	2595.	3.553
1133.	12.96	2596.	3.558
1134.	12.98	2597.	3.575
1135.	12.98	2598.	3.558
1136.	12.95	2599.	3.603
1137.	12.98	2600.	3.575
1138.	13.03	2601.	3.588
1139.	12.97	2602.	3.557
1140.	13.	2603.	3.538
1141.	12.97	2604.	3.566
1142.	13.02	2605.	3.557
1143.	13.	2606.	3.543
1144.	13.03	2607.	3.521
1145.	13.02	2608.	3.547
1146.	13.01	2609.	3.545
1147.	13.01	2610.	3.536
1148.	13.02	2611.	3.499
1149.	13.07	2612.	3.525
1150.	13.03	2613.	3.516
1151.	13.06	2614.	3.527
1152.	13.03	2615.	3.517
1153.	13.04	2616.	3.558
1154.	13.05	2617.	3.536

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	13.08	2618.	3.535
1156.	13.06	2619.	3.5
1157.	13.04	2620.	3.492
1158.	13.06	2621.	3.496
1159.	13.08	2622.	3.524
1160.	13.09	2623.	3.506
1161.	13.08	2624.	3.489
1162.	13.08	2625.	3.503
1163.	13.08	2626.	3.561
1164.	13.09	2627.	3.457
1165.	13.11	2628.	3.509
1166.	13.13	2629.	3.503
1167.	13.12	2630.	3.508
1168.	13.09	2631.	3.494
1169.	13.1	2632.	3.529
1170.	13.1	2633.	3.471
1171.	13.1	2634.	3.49
1172.	13.12	2635.	3.459
1173.	13.14	2636.	3.485
1174.	13.11	2637.	3.468
1175.	13.12	2638.	3.474
1176.	13.14	2639.	3.462
1177.	13.15	2640.	3.501
1178.	13.15	2641.	3.447
1179.	13.17	2642.	3.483
1180.	13.18	2643.	3.476
1181.	13.18	2644.	3.484
1182.	13.17	2645.	3.44
1183.	13.17	2646.	3.459
1184.	13.14	2647.	3.467
1185.	13.17	2648.	3.477
1186.	13.16	2649.	3.465
1187.	13.19	2650.	3.446
1188.	13.19	2651.	3.452
1189.	13.21	2652.	3.432
1190.	13.19	2653.	3.441
1191.	13.16	2654.	3.459
1192.	13.2	2655.	3.427
1193.	13.21	2656.	3.427
1194.	13.23	2657.	3.468
1195.	13.19	2658.	3.394
1196.	13.23	2659.	3.441
1197.	13.2	2660.	3.407
1198.	13.22	2661.	3.42
1199.	13.24	2662.	3.437
1200.	13.23	2663.	3.412
1201.	13.19	2664.	3.414
1202.	13.23	2665.	3.408
1203.	13.22	2666.	3.409
1204.	13.2	2667.	3.413
1205.	13.21	2668.	3.378
1206.	13.23	2669.	3.39
1207.	13.22	2670.	3.406
1208.	13.21	2671.	3.406
1209.	13.23	2672.	3.419
1210.	13.26	2673.	3.406
1211.	13.24	2674.	3.397
1212.	13.22	2675.	3.4
1213.	13.23	2676.	3.409
1214.	13.25	2677.	3.391
1215.	13.27	2678.	3.404
1216.	13.22	2679.	3.368
1217.	13.24	2680.	3.372
1218.	13.26	2681.	3.365
1219.	13.25	2682.	3.359
1220.	13.24	2683.	3.355

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	13.24	2684.	3.407
1222.	13.25	2685.	3.357
1223.	13.24	2686.	3.367
1224.	13.24	2687.	3.369
1225.	13.28	2688.	3.386
1226.	13.28	2689.	3.357
1227.	13.25	2690.	3.367
1228.	13.26	2691.	3.354
1229.	13.24	2692.	3.34
1230.	13.23	2693.	3.345
1231.	13.26	2694.	3.354
1232.	13.24	2695.	3.35
1233.	13.27	2696.	3.324
1234.	13.25	2697.	3.366
1235.	13.27	2698.	3.338
1236.	13.27	2699.	3.34
1237.	13.29	2700.	3.336
1238.	13.28	2701.	3.345
1239.	13.24	2702.	3.327
1240.	13.25	2703.	3.303
1241.	13.27	2704.	3.299
1242.	13.26	2705.	3.319
1243.	13.26	2706.	3.334
1244.	13.26	2707.	3.33
1245.	13.28	2708.	3.328
1246.	13.29	2709.	3.341
1247.	13.28	2710.	3.351
1248.	13.26	2711.	3.285
1249.	13.23	2712.	3.305
1250.	13.24	2713.	3.297
1251.	13.31	2714.	3.299
1252.	13.29	2715.	3.297
1253.	13.29	2716.	3.306
1254.	13.3	2717.	3.314
1255.	13.29	2718.	3.286
1256.	13.28	2719.	3.306
1257.	13.29	2720.	3.275
1258.	13.27	2721.	3.277
1259.	13.27	2722.	3.305
1260.	13.34	2723.	3.289
1261.	13.3	2724.	3.307
1262.	13.28	2725.	3.275
1263.	13.32	2726.	3.312
1264.	13.29	2727.	3.298
1265.	13.31	2728.	3.283
1266.	13.29	2729.	3.291
1267.	13.3	2730.	3.281
1268.	13.34	2731.	3.276
1269.	13.3	2732.	3.277
1270.	13.31	2733.	3.29
1271.	13.32	2734.	3.257
1272.	13.35	2735.	3.266
1273.	13.34	2736.	3.282
1274.	13.33	2737.	3.259
1275.	13.34	2738.	3.261
1276.	13.37	2739.	3.29
1277.	13.34	2740.	3.215
1278.	13.34	2741.	3.249
1279.	13.35	2742.	3.235
1280.	13.36	2743.	3.228
1281.	13.36	2744.	3.244
1282.	13.36	2745.	3.235
1283.	13.38	2746.	3.238
1284.	13.37	2747.	3.239
1285.	13.37	2748.	3.233
1286.	13.37	2749.	3.23

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	13.38	2750.	3.238
1288.	13.41	2751.	3.224
1289.	13.42	2752.	3.233
1290.	13.38	2753.	3.23
1291.	13.38	2754.	3.268
1292.	13.42	2755.	3.222
1293.	13.43	2756.	3.221
1294.	13.41	2757.	3.191
1295.	13.43	2758.	3.226
1296.	13.44	2759.	3.229
1297.	13.45	2760.	3.216
1298.	13.44	2761.	3.207
1299.	13.41	2762.	3.217
1300.	13.47	2763.	3.21
1301.	13.43	2764.	3.222
1302.	13.43	2765.	3.158
1303.	13.46	2766.	3.215
1304.	13.43	2767.	3.172
1305.	13.45	2768.	3.221
1306.	13.45	2769.	3.182
1307.	13.46	2770.	3.183
1308.	13.44	2771.	3.192
1309.	13.43	2772.	3.17
1310.	13.43	2773.	3.197
1311.	13.48	2774.	3.129
1312.	13.47	2775.	3.233
1313.	13.48	2776.	3.187
1314.	13.52	2777.	3.201
1315.	13.5	2778.	3.177
1316.	13.48	2779.	3.17
1317.	13.51	2780.	3.192
1318.	13.5	2781.	3.161
1319.	13.48	2782.	3.157
1320.	13.54	2783.	3.192
1321.	13.52	2784.	3.165
1322.	13.49	2785.	3.201
1323.	13.54	2786.	3.163
1324.	13.51	2787.	3.171
1325.	13.53	2788.	3.17
1326.	13.51	2789.	3.152
1327.	13.53	2790.	3.18
1328.	13.54	2791.	3.167
1329.	13.54	2792.	3.148
1330.	13.53	2793.	3.128
1331.	13.56	2794.	3.154
1332.	13.52	2795.	3.13
1333.	13.57	2796.	3.172
1334.	13.55	2797.	3.167
1335.	13.56	2798.	3.115
1336.	13.52	2799.	3.112
1337.	13.56	2800.	3.155
1338.	13.57	2801.	3.148
1339.	13.59	2802.	3.142
1340.	13.59	2803.	3.118
1341.	13.57	2804.	3.097
1342.	13.64	2805.	3.095
1343.	13.6	2806.	3.088
1344.	13.59	2807.	3.11
1345.	13.61	2808.	3.119
1346.	13.58	2809.	3.089
1347.	13.6	2810.	3.111
1348.	13.6	2811.	3.119
1349.	13.62	2812.	3.1
1350.	13.61	2813.	3.09
1351.	13.59	2814.	3.114
1352.	13.59	2815.	3.126

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	13.63	2816.	3.126
1354.	13.6	2817.	3.101
1355.	13.64	2818.	3.08
1356.	13.61	2819.	3.104
1357.	13.67	2820.	3.098
1358.	13.66	2821.	3.092
1359.	13.59	2822.	3.113
1360.	13.68	2823.	3.11
1361.	13.64	2824.	3.084
1362.	13.65	2825.	3.101
1363.	13.68	2826.	3.089
1364.	13.66	2827.	3.112
1365.	13.66	2828.	3.095
1366.	13.67	2829.	3.108
1367.	13.67	2830.	3.121
1368.	13.7	2831.	3.128
1369.	13.68	2832.	3.067
1370.	13.72	2833.	3.093
1371.	13.69	2834.	3.056
1372.	13.67	2835.	3.077
1373.	13.71	2836.	3.097
1374.	13.69	2837.	3.073
1375.	13.69	2838.	3.06
1376.	13.71	2839.	3.123
1377.	13.71	2840.	3.07
1378.	13.71	2841.	3.054
1379.	13.73	2842.	3.075
1380.	13.71	2843.	3.085
1381.	13.75	2844.	3.064
1382.	13.79	2845.	3.065
1383.	13.7	2846.	3.064
1384.	13.75	2847.	3.062
1385.	13.71	2848.	3.076
1386.	13.71	2849.	3.074
1387.	13.76	2850.	3.071
1388.	13.77	2851.	3.056
1389.	13.77	2852.	3.022
1390.	13.78	2853.	3.072
1391.	13.76	2854.	3.027
1392.	13.78	2855.	3.058
1393.	13.77	2856.	3.065
1394.	13.79	2857.	3.027
1395.	13.78	2858.	3.059
1396.	13.78	2859.	3.062
1397.	13.79	2860.	3.034
1398.	13.8	2861.	3.017
1399.	13.83	2862.	3.033
1400.	13.81	2863.	3.055
1401.	13.8	2864.	3.017
1402.	13.81	2865.	3.01
1403.	13.8	2866.	3.025
1404.	13.81	2867.	2.982
1405.	13.84	2868.	3.021
1406.	13.82	2869.	3.017
1407.	13.81	2870.	3.021
1408.	13.84	2871.	3.011
1409.	13.82	2872.	2.992
1410.	13.83	2873.	3.058
1411.	13.8	2874.	3.017
1412.	13.88	2875.	2.999
1413.	13.85	2876.	2.995
1414.	13.85	2877.	3.03
1415.	13.84	2878.	3.009
1416.	13.88	2879.	2.986
1417.	13.88	2880.	2.985
1418.	13.87	2881.	3.03

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	13.88	2882.	2.981
1420.	13.88	2883.	2.958
1421.	13.87	2884.	2.996
1422.	13.89	2885.	3.015
1423.	13.91	2886.	3.
1424.	13.89	2887.	2.99
1425.	13.87	2888.	2.986
1426.	13.87	2889.	2.97
1427.	13.89	2890.	2.993
1428.	13.88	2891.	2.997
1429.	13.91	2892.	2.98
1430.	13.92	2893.	2.968
1431.	13.9	2894.	2.986
1432.	13.93	2895.	2.967
1433.	13.91	2896.	2.969
1434.	13.88	2897.	2.977
1435.	13.9	2898.	2.97
1436.	13.93	2899.	2.953
1437.	13.92	2900.	2.938
1438.	13.95	2901.	2.962
1439.	13.93	2902.	2.969
1440.	13.92	2903.	2.976
1441.	13.95	2904.	2.953
1442.	13.95	2905.	2.974
1443.	13.97	2906.	2.977
1444.	13.97	2907.	2.961
1445.	13.95	2908.	2.938
1446.	13.98	2909.	2.967
1447.	13.94	2910.	2.959
1448.	13.92	2911.	2.977
1449.	13.89	2912.	2.972
1450.	13.82	2913.	2.974
1451.	13.76	2914.	2.949
1452.	13.7	2915.	2.919
1453.	13.65	2916.	2.963
1454.	13.63	2917.	2.954
1455.	13.49	2918.	2.949
1456.	13.45	2919.	2.941
1457.	13.38	2920.	2.938
1458.	13.34	2921.	2.949
1459.	13.32	2922.	2.934
1460.	13.23	2923.	2.95
1461.	13.14	2924.	2.917
1462.	13.12	2925.	2.924
1463.	13.04		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1221.	ft^2/day
S	0.0002576	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.26 ft/day (0.005384 cm/sec)
Ss = S/b = 3.22E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1261.4	1.213	+/- 2.38	1039.5	ft^2/day
S	0.0001504	2.991E-7	+/- 5.865E-7	502.9	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.77 ft/day (0.005563 cm/sec)
Ss = S/b = 1.88E-6 1/ft

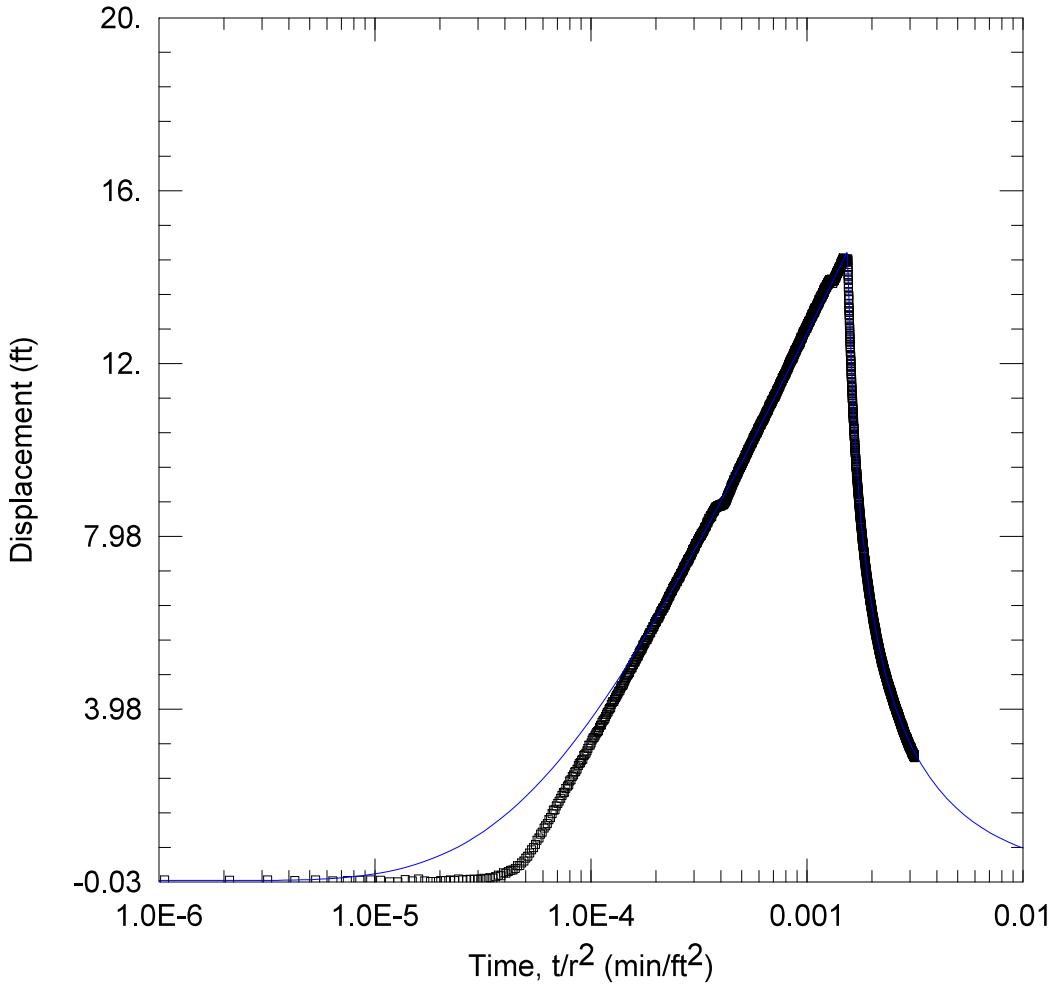
Parameter Correlations

	T	S
T	1.00	-0.81
S	-0.81	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 95.64 ft^2
Variance . . . . . 0.03272 ft^2
Std. Deviation . . . . . 0.1809 ft
Mean . . . . . -0.03745 ft
No. of Residuals 2925
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW6.aqt
Date: 04/11/25 Time: 12:02:14

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW6	2150	930

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1269.7 ft^2/day
S = 0.0001418
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:02:44

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW6

X Location: 2150. ft
Y Location: 930. ft

Radial distance from BM 1B: 969.3069689 ft
Radial distance from BM2A: 633.5755677 ft
Radial distance from BM3: 1507.836198 ft
Radial distance from BM 4 : 1311.971036 ft
Radial distance from BM5: 1321.903552 ft
Radial distance from BM 6: 1187.13268 ft
Radial distance from BM7: 866.5817907 ft
Radial distance from BM9: 549.4588247 ft

Fully Penetrating Well

No. of Observations: 2961

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.01358	1482.	12.82
2.	0.004034	1483.	12.79
3.	0.01821	1484.	12.69
4.	0.00138	1485.	12.73
5.	0.01821	1486.	12.65
6.	-0.005576	1487.	12.6
7.	0.002671	1488.	12.56
8.	0.005729	1489.	12.48
9.	0.01683	1490.	12.5
10.	0.005843	1491.	12.43
11.	-0.02704	1492.	12.39
12.	-0.02956	1493.	12.36
13.	0.02067	1494.	12.33
14.	-0.01024	1495.	12.25
15.	0.03409	1496.	12.25
16.	-0.006156	1497.	12.18
17.	-0.02137	1498.	12.15
18.	-0.02345	1499.	12.09
19.	-0.000111	1500.	12.07
20.	0.	1501.	12.05
21.	0.0114	1502.	12.03
22.	-0.003437	1503.	11.98
23.	0.03464	1504.	11.92
24.	0.01746	1505.	11.91
25.	0.01948	1506.	11.81
26.	0.0314	1507.	11.81
27.	0.02578	1508.	11.77
28.	0.0314	1509.	11.74
29.	0.03864	1510.	11.73
30.	0.05062	1511.	11.67
31.	0.04769	1512.	11.66
32.	0.06473	1513.	11.62

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.05786	1514.	11.56
34.	0.08872	1515.	11.55
35.	0.1293	1516.	11.5
36.	0.1075	1517.	11.45
37.	0.1754	1518.	11.43
38.	0.1703	1519.	11.39
39.	0.2057	1520.	11.36
40.	0.2383	1521.	11.34
41.	0.2422	1522.	11.3
42.	0.2827	1523.	11.26
43.	0.3394	1524.	11.24
44.	0.351	1525.	11.17
45.	0.4106	1526.	11.17
46.	0.4505	1527.	11.19
47.	0.5201	1528.	11.12
48.	0.5647	1529.	11.1
49.	0.6362	1530.	11.07
50.	0.7142	1531.	11.05
51.	0.7646	1532.	11.01
52.	0.8395	1533.	10.97
53.	0.9325	1534.	10.92
54.	0.9836	1535.	10.94
55.	1.074	1536.	10.86
56.	1.12	1537.	10.85
57.	1.216	1538.	10.81
58.	1.27	1539.	10.82
59.	1.324	1540.	10.75
60.	1.41	1541.	10.74
61.	1.464	1542.	10.71
62.	1.548	1543.	10.7
63.	1.631	1544.	10.67
64.	1.64	1545.	10.66
65.	1.728	1546.	10.64
66.	1.788	1547.	10.57
67.	1.839	1548.	10.6
68.	1.906	1549.	10.53
69.	1.97	1550.	10.49
70.	2.034	1551.	10.49
71.	2.051	1552.	10.45
72.	2.139	1553.	10.42
73.	2.187	1554.	10.41
74.	2.219	1555.	10.41
75.	2.304	1556.	10.35
76.	2.339	1557.	10.32
77.	2.412	1558.	10.29
78.	2.444	1559.	10.3
79.	2.516	1560.	10.27
80.	2.533	1561.	10.23
81.	2.581	1562.	10.23
82.	2.665	1563.	10.19
83.	2.718	1564.	10.13
84.	2.729	1565.	10.16
85.	2.787	1566.	10.12
86.	2.808	1567.	10.1
87.	2.892	1568.	10.06
88.	2.914	1569.	10.03
89.	2.955	1570.	10.02
90.	3.004	1571.	9.981
91.	3.067	1572.	9.964
92.	3.135	1573.	9.977
93.	3.135	1574.	9.926
94.	3.189	1575.	9.915
95.	3.259	1576.	9.897
96.	3.299	1577.	9.867
97.	3.313	1578.	9.86
98.	3.351	1579.	9.829

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	3.397	1580.	9.823
100.	3.433	1581.	9.788
101.	3.456	1582.	9.778
102.	3.481	1583.	9.751
103.	3.543	1584.	9.728
104.	3.594	1585.	9.712
105.	3.606	1586.	9.684
106.	3.666	1587.	9.661
107.	3.702	1588.	9.633
108.	3.724	1589.	9.615
109.	3.754	1590.	9.574
110.	3.804	1591.	9.575
111.	3.848	1592.	9.567
112.	3.889	1593.	9.53
113.	3.908	1594.	9.53
114.	3.96	1595.	9.487
115.	3.994	1596.	9.458
116.	4.004	1597.	9.439
117.	4.077	1598.	9.444
118.	4.126	1599.	9.439
119.	4.146	1600.	9.417
120.	4.155	1601.	9.396
121.	4.198	1602.	9.374
122.	4.234	1603.	9.365
123.	4.259	1604.	9.334
124.	4.299	1605.	9.324
125.	4.323	1606.	9.287
126.	4.366	1607.	9.276
127.	4.384	1608.	9.235
128.	4.403	1609.	9.23
129.	4.461	1610.	9.242
130.	4.484	1611.	9.208
131.	4.519	1612.	9.198
132.	4.527	1613.	9.181
133.	4.556	1614.	9.161
134.	4.599	1615.	9.127
135.	4.63	1616.	9.12
136.	4.674	1617.	9.117
137.	4.713	1618.	9.091
138.	4.749	1619.	9.058
139.	4.761	1620.	9.059
140.	4.786	1621.	9.042
141.	4.816	1622.	9.017
142.	4.819	1623.	9.
143.	4.887	1624.	8.977
144.	4.901	1625.	8.969
145.	4.933	1626.	8.958
146.	4.934	1627.	8.945
147.	4.994	1628.	8.903
148.	5.005	1629.	8.915
149.	5.053	1630.	8.863
150.	5.059	1631.	8.879
151.	5.084	1632.	8.83
152.	5.122	1633.	8.829
153.	5.14	1634.	8.806
154.	5.186	1635.	8.787
155.	5.19	1636.	8.78
156.	5.225	1637.	8.773
157.	5.269	1638.	8.775
158.	5.279	1639.	8.766
159.	5.322	1640.	8.714
160.	5.326	1641.	8.703
161.	5.362	1642.	8.722
162.	5.374	1643.	8.694
163.	5.413	1644.	8.652
164.	5.459	1645.	8.657

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	5.458	1646.	8.634
166.	5.488	1647.	8.63
167.	5.521	1648.	8.592
168.	5.551	1649.	8.566
169.	5.571	1650.	8.554
170.	5.583	1651.	8.596
171.	5.586	1652.	8.547
172.	5.638	1653.	8.527
173.	5.64	1654.	8.518
174.	5.677	1655.	8.502
175.	5.712	1656.	8.476
176.	5.745	1657.	8.491
177.	5.752	1658.	8.445
178.	5.742	1659.	8.417
179.	5.805	1660.	8.454
180.	5.825	1661.	8.42
181.	5.827	1662.	8.382
182.	5.88	1663.	8.399
183.	5.868	1664.	8.345
184.	5.881	1665.	8.325
185.	5.934	1666.	8.332
186.	5.964	1667.	8.324
187.	5.982	1668.	8.328
188.	6.006	1669.	8.302
189.	5.998	1670.	8.285
190.	6.045	1671.	8.272
191.	6.065	1672.	8.266
192.	6.087	1673.	8.26
193.	6.081	1674.	8.237
194.	6.105	1675.	8.214
195.	6.14	1676.	8.225
196.	6.183	1677.	8.203
197.	6.174	1678.	8.188
198.	6.232	1679.	8.154
199.	6.235	1680.	8.16
200.	6.266	1681.	8.16
201.	6.255	1682.	8.126
202.	6.311	1683.	8.089
203.	6.298	1684.	8.117
204.	6.318	1685.	8.088
205.	6.329	1686.	8.082
206.	6.374	1687.	8.066
207.	6.382	1688.	8.012
208.	6.392	1689.	8.046
209.	6.438	1690.	8.054
210.	6.443	1691.	8.036
211.	6.483	1692.	8.018
212.	6.492	1693.	7.979
213.	6.517	1694.	7.965
214.	6.535	1695.	7.953
215.	6.571	1696.	7.948
216.	6.589	1697.	7.908
217.	6.6	1698.	7.904
218.	6.602	1699.	7.917
219.	6.653	1700.	7.945
220.	6.661	1701.	7.885
221.	6.691	1702.	7.878
222.	6.694	1703.	7.876
223.	6.711	1704.	7.866
224.	6.722	1705.	7.845
225.	6.775	1706.	7.823
226.	6.784	1707.	7.809
227.	6.802	1708.	7.805
228.	6.825	1709.	7.804
229.	6.819	1710.	7.773
230.	6.844	1711.	7.777

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	6.854	1712.	7.755
232.	6.886	1713.	7.765
233.	6.898	1714.	7.739
234.	6.931	1715.	7.728
235.	6.941	1716.	7.732
236.	6.949	1717.	7.718
237.	6.932	1718.	7.72
238.	6.98	1719.	7.676
239.	7.021	1720.	7.662
240.	7.02	1721.	7.659
241.	7.011	1722.	7.631
242.	7.056	1723.	7.649
243.	7.047	1724.	7.631
244.	7.082	1725.	7.592
245.	7.12	1726.	7.595
246.	7.12	1727.	7.603
247.	7.135	1728.	7.619
248.	7.156	1729.	7.576
249.	7.165	1730.	7.561
250.	7.199	1731.	7.531
251.	7.181	1732.	7.54
252.	7.2	1733.	7.527
253.	7.266	1734.	7.535
254.	7.253	1735.	7.503
255.	7.279	1736.	7.478
256.	7.296	1737.	7.474
257.	7.313	1738.	7.476
258.	7.301	1739.	7.441
259.	7.339	1740.	7.447
260.	7.359	1741.	7.448
261.	7.378	1742.	7.416
262.	7.392	1743.	7.414
263.	7.44	1744.	7.433
264.	7.41	1745.	7.408
265.	7.406	1746.	7.412
266.	7.456	1747.	7.376
267.	7.47	1748.	7.392
268.	7.454	1749.	7.379
269.	7.507	1750.	7.357
270.	7.488	1751.	7.329
271.	7.543	1752.	7.305
272.	7.534	1753.	7.338
273.	7.552	1754.	7.281
274.	7.554	1755.	7.264
275.	7.598	1756.	7.29
276.	7.604	1757.	7.29
277.	7.612	1758.	7.261
278.	7.668	1759.	7.258
279.	7.656	1760.	7.262
280.	7.668	1761.	7.264
281.	7.689	1762.	7.222
282.	7.702	1763.	7.223
283.	7.686	1764.	7.207
284.	7.735	1765.	7.192
285.	7.724	1766.	7.21
286.	7.763	1767.	7.179
287.	7.753	1768.	7.15
288.	7.81	1769.	7.174
289.	7.805	1770.	7.165
290.	7.815	1771.	7.139
291.	7.819	1772.	7.133
292.	7.833	1773.	7.107
293.	7.842	1774.	7.126
294.	7.878	1775.	7.111
295.	7.882	1776.	7.116
296.	7.908	1777.	7.073

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	7.921	1778.	7.085
298.	7.932	1779.	7.071
299.	7.938	1780.	7.072
300.	7.963	1781.	7.065
301.	7.976	1782.	7.041
302.	7.981	1783.	7.043
303.	8.002	1784.	7.019
304.	8.008	1785.	7.02
305.	8.051	1786.	7.03
306.	8.009	1787.	7.007
307.	8.055	1788.	6.975
308.	8.058	1789.	6.988
309.	8.06	1790.	6.955
310.	8.082	1791.	6.976
311.	8.09	1792.	6.947
312.	8.1	1793.	6.921
313.	8.112	1794.	6.932
314.	8.132	1795.	6.907
315.	8.164	1796.	6.917
316.	8.181	1797.	6.913
317.	8.187	1798.	6.882
318.	8.185	1799.	6.895
319.	8.205	1800.	6.88
320.	8.202	1801.	6.875
321.	8.216	1802.	6.84
322.	8.229	1803.	6.876
323.	8.269	1804.	6.837
324.	8.304	1805.	6.824
325.	8.291	1806.	6.85
326.	8.299	1807.	6.808
327.	8.297	1808.	6.787
328.	8.33	1809.	6.793
329.	8.343	1810.	6.794
330.	8.349	1811.	6.767
331.	8.4	1812.	6.77
332.	8.378	1813.	6.756
333.	8.387	1814.	6.762
334.	8.397	1815.	6.766
335.	8.437	1816.	6.738
336.	8.412	1817.	6.748
337.	8.447	1818.	6.718
338.	8.471	1819.	6.737
339.	8.466	1820.	6.722
340.	8.477	1821.	6.716
341.	8.436	1822.	6.7
342.	8.508	1823.	6.696
343.	8.517	1824.	6.673
344.	8.533	1825.	6.673
345.	8.525	1826.	6.635
346.	8.549	1827.	6.655
347.	8.552	1828.	6.633
348.	8.577	1829.	6.631
349.	8.559	1830.	6.633
350.	8.579	1831.	6.625
351.	8.6	1832.	6.619
352.	8.588	1833.	6.606
353.	8.625	1834.	6.597
354.	8.648	1835.	6.592
355.	8.648	1836.	6.57
356.	8.661	1837.	6.562
357.	8.657	1838.	6.596
358.	8.648	1839.	6.541
359.	8.678	1840.	6.553
360.	8.669	1841.	6.509
361.	8.67	1842.	6.527
362.	8.666	1843.	6.534

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	8.674	1844.	6.525
364.	8.701	1845.	6.466
365.	8.67	1846.	6.488
366.	8.686	1847.	6.485
367.	8.687	1848.	6.483
368.	8.688	1849.	6.494
369.	8.675	1850.	6.474
370.	8.678	1851.	6.426
371.	8.686	1852.	6.45
372.	8.711	1853.	6.449
373.	8.711	1854.	6.438
374.	8.712	1855.	6.417
375.	8.686	1856.	6.439
376.	8.71	1857.	6.418
377.	8.701	1858.	6.394
378.	8.697	1859.	6.391
379.	8.705	1860.	6.41
380.	8.73	1861.	6.392
381.	8.716	1862.	6.4
382.	8.717	1863.	6.377
383.	8.715	1864.	6.37
384.	8.724	1865.	6.331
385.	8.72	1866.	6.349
386.	8.742	1867.	6.352
387.	8.706	1868.	6.349
388.	8.735	1869.	6.319
389.	8.767	1870.	6.316
390.	8.735	1871.	6.305
391.	8.762	1872.	6.323
392.	8.76	1873.	6.312
393.	8.788	1874.	6.27
394.	8.795	1875.	6.307
395.	8.785	1876.	6.265
396.	8.812	1877.	6.276
397.	8.815	1878.	6.272
398.	8.817	1879.	6.291
399.	8.86	1880.	6.244
400.	8.874	1881.	6.247
401.	8.852	1882.	6.259
402.	8.881	1883.	6.245
403.	8.918	1884.	6.232
404.	8.921	1885.	6.234
405.	8.92	1886.	6.215
406.	8.952	1887.	6.202
407.	8.974	1888.	6.202
408.	8.957	1889.	6.195
409.	8.986	1890.	6.174
410.	8.987	1891.	6.14
411.	9.009	1892.	6.145
412.	9.019	1893.	6.134
413.	9.032	1894.	6.122
414.	9.041	1895.	6.134
415.	9.042	1896.	6.121
416.	9.059	1897.	6.135
417.	9.072	1898.	6.143
418.	9.089	1899.	6.108
419.	9.132	1900.	6.107
420.	9.124	1901.	6.108
421.	9.143	1902.	6.103
422.	9.175	1903.	6.088
423.	9.162	1904.	6.049
424.	9.171	1905.	6.082
425.	9.172	1906.	6.072
426.	9.178	1907.	6.051
427.	9.219	1908.	6.05
428.	9.227	1909.	6.053

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	9.24	1910.	6.074
430.	9.286	1911.	6.027
431.	9.281	1912.	6.012
432.	9.286	1913.	6.038
433.	9.293	1914.	6.003
434.	9.269	1915.	6.035
435.	9.297	1916.	6.001
436.	9.301	1917.	5.995
437.	9.336	1918.	5.995
438.	9.373	1919.	5.973
439.	9.349	1920.	5.991
440.	9.345	1921.	5.978
441.	9.353	1922.	5.962
442.	9.384	1923.	5.964
443.	9.392	1924.	5.949
444.	9.41	1925.	5.949
445.	9.413	1926.	5.938
446.	9.416	1927.	5.926
447.	9.415	1928.	5.94
448.	9.429	1929.	5.927
449.	9.451	1930.	5.919
450.	9.48	1931.	5.909
451.	9.452	1932.	5.876
452.	9.501	1933.	5.884
453.	9.493	1934.	5.868
454.	9.51	1935.	5.893
455.	9.514	1936.	5.874
456.	9.553	1937.	5.882
457.	9.541	1938.	5.904
458.	9.541	1939.	5.88
459.	9.542	1940.	5.867
460.	9.581	1941.	5.837
461.	9.573	1942.	5.85
462.	9.591	1943.	5.841
463.	9.578	1944.	5.838
464.	9.613	1945.	5.853
465.	9.629	1946.	5.849
466.	9.616	1947.	5.814
467.	9.65	1948.	5.799
468.	9.629	1949.	5.804
469.	9.647	1950.	5.787
470.	9.684	1951.	5.769
471.	9.67	1952.	5.768
472.	9.699	1953.	5.774
473.	9.702	1954.	5.781
474.	9.68	1955.	5.78
475.	9.718	1956.	5.788
476.	9.721	1957.	5.748
477.	9.729	1958.	5.766
478.	9.757	1959.	5.718
479.	9.752	1960.	5.74
480.	9.759	1961.	5.75
481.	9.778	1962.	5.709
482.	9.776	1963.	5.709
483.	9.802	1964.	5.715
484.	9.787	1965.	5.715
485.	9.804	1966.	5.74
486.	9.81	1967.	5.698
487.	9.862	1968.	5.701
488.	9.819	1969.	5.675
489.	9.858	1970.	5.693
490.	9.856	1971.	5.662
491.	9.879	1972.	5.668
492.	9.888	1973.	5.651
493.	9.879	1974.	5.638
494.	9.894	1975.	5.651

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	9.932	1976.	5.639
496.	9.907	1977.	5.633
497.	9.926	1978.	5.662
498.	9.932	1979.	5.635
499.	9.952	1980.	5.599
500.	9.923	1981.	5.616
501.	9.994	1982.	5.608
502.	9.97	1983.	5.59
503.	9.982	1984.	5.599
504.	9.984	1985.	5.598
505.	9.981	1986.	5.599
506.	10.02	1987.	5.59
507.	10.01	1988.	5.583
508.	10.03	1989.	5.581
509.	10.06	1990.	5.551
510.	10.04	1991.	5.592
511.	10.06	1992.	5.581
512.	10.07	1993.	5.536
513.	10.07	1994.	5.548
514.	10.08	1995.	5.532
515.	10.1	1996.	5.552
516.	10.07	1997.	5.522
517.	10.1	1998.	5.545
518.	10.12	1999.	5.522
519.	10.12	2000.	5.521
520.	10.14	2001.	5.507
521.	10.14	2002.	5.511
522.	10.14	2003.	5.49
523.	10.16	2004.	5.491
524.	10.16	2005.	5.497
525.	10.16	2006.	5.484
526.	10.15	2007.	5.464
527.	10.18	2008.	5.469
528.	10.19	2009.	5.48
529.	10.21	2010.	5.445
530.	10.24	2011.	5.451
531.	10.24	2012.	5.448
532.	10.27	2013.	5.45
533.	10.25	2014.	5.438
534.	10.27	2015.	5.445
535.	10.27	2016.	5.399
536.	10.23	2017.	5.423
537.	10.31	2018.	5.427
538.	10.31	2019.	5.419
539.	10.29	2020.	5.413
540.	10.31	2021.	5.408
541.	10.3	2022.	5.408
542.	10.3	2023.	5.405
543.	10.32	2024.	5.388
544.	10.34	2025.	5.39
545.	10.33	2026.	5.375
546.	10.35	2027.	5.376
547.	10.35	2028.	5.363
548.	10.37	2029.	5.333
549.	10.39	2030.	5.353
550.	10.4	2031.	5.362
551.	10.4	2032.	5.362
552.	10.39	2033.	5.341
553.	10.38	2034.	5.319
554.	10.41	2035.	5.338
555.	10.43	2036.	5.331
556.	10.47	2037.	5.34
557.	10.47	2038.	5.328
558.	10.45	2039.	5.305
559.	10.44	2040.	5.322
560.	10.46	2041.	5.309

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	10.49	2042.	5.295
562.	10.49	2043.	5.286
563.	10.48	2044.	5.291
564.	10.5	2045.	5.314
565.	10.5	2046.	5.282
566.	10.52	2047.	5.27
567.	10.51	2048.	5.274
568.	10.5	2049.	5.248
569.	10.54	2050.	5.246
570.	10.54	2051.	5.254
571.	10.59	2052.	5.272
572.	10.56	2053.	5.25
573.	10.56	2054.	5.24
574.	10.58	2055.	5.255
575.	10.59	2056.	5.251
576.	10.57	2057.	5.23
577.	10.61	2058.	5.237
578.	10.6	2059.	5.243
579.	10.62	2060.	5.229
580.	10.62	2061.	5.207
581.	10.65	2062.	5.199
582.	10.63	2063.	5.2
583.	10.64	2064.	5.204
584.	10.65	2065.	5.194
585.	10.65	2066.	5.198
586.	10.66	2067.	5.146
587.	10.66	2068.	5.168
588.	10.69	2069.	5.143
589.	10.68	2070.	5.175
590.	10.69	2071.	5.143
591.	10.68	2072.	5.178
592.	10.69	2073.	5.147
593.	10.72	2074.	5.148
594.	10.72	2075.	5.144
595.	10.7	2076.	5.134
596.	10.76	2077.	5.14
597.	10.74	2078.	5.132
598.	10.76	2079.	5.157
599.	10.77	2080.	5.118
600.	10.76	2081.	5.08
601.	10.75	2082.	5.095
602.	10.77	2083.	5.13
603.	10.8	2084.	5.121
604.	10.79	2085.	5.102
605.	10.84	2086.	5.088
606.	10.82	2087.	5.099
607.	10.82	2088.	5.074
608.	10.84	2089.	5.076
609.	10.83	2090.	5.071
610.	10.83	2091.	5.09
611.	10.85	2092.	5.053
612.	10.87	2093.	5.051
613.	10.85	2094.	5.061
614.	10.87	2095.	5.07
615.	10.89	2096.	5.038
616.	10.89	2097.	5.055
617.	10.9	2098.	5.065
618.	10.89	2099.	5.078
619.	10.89	2100.	5.049
620.	10.91	2101.	5.048
621.	10.9	2102.	5.034
622.	10.93	2103.	5.024
623.	10.92	2104.	5.045
624.	10.94	2105.	5.015
625.	10.95	2106.	5.046
626.	10.97	2107.	5.028

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	10.95	2108.	5.005
628.	10.99	2109.	5.01
629.	11.	2110.	4.995
630.	11.	2111.	5.013
631.	10.98	2112.	5.004
632.	11.	2113.	4.975
633.	10.99	2114.	4.99
634.	11.03	2115.	4.984
635.	11.02	2116.	4.991
636.	11.04	2117.	4.967
637.	11.06	2118.	4.961
638.	11.06	2119.	4.984
639.	11.06	2120.	4.965
640.	11.05	2121.	4.968
641.	11.05	2122.	4.954
642.	11.07	2123.	4.938
643.	11.09	2124.	4.959
644.	11.12	2125.	4.914
645.	11.07	2126.	4.95
646.	11.11	2127.	4.943
647.	11.1	2128.	4.921
648.	11.1	2129.	4.926
649.	11.12	2130.	4.931
650.	11.12	2131.	4.927
651.	11.14	2132.	4.922
652.	11.14	2133.	4.894
653.	11.13	2134.	4.894
654.	11.15	2135.	4.892
655.	11.16	2136.	4.897
656.	11.17	2137.	4.886
657.	11.18	2138.	4.9
658.	11.2	2139.	4.895
659.	11.21	2140.	4.898
660.	11.22	2141.	4.861
661.	11.2	2142.	4.9
662.	11.2	2143.	4.872
663.	11.21	2144.	4.877
664.	11.24	2145.	4.87
665.	11.23	2146.	4.873
666.	11.21	2147.	4.85
667.	11.22	2148.	4.845
668.	11.22	2149.	4.828
669.	11.26	2150.	4.865
670.	11.24	2151.	4.827
671.	11.29	2152.	4.812
672.	11.24	2153.	4.848
673.	11.27	2154.	4.81
674.	11.28	2155.	4.833
675.	11.27	2156.	4.807
676.	11.27	2157.	4.815
677.	11.3	2158.	4.823
678.	11.3	2159.	4.783
679.	11.33	2160.	4.791
680.	11.36	2161.	4.817
681.	11.31	2162.	4.816
682.	11.32	2163.	4.789
683.	11.34	2164.	4.8
684.	11.37	2165.	4.783
685.	11.36	2166.	4.795
686.	11.35	2167.	4.795
687.	11.38	2168.	4.792
688.	11.39	2169.	4.778
689.	11.39	2170.	4.783
690.	11.39	2171.	4.762
691.	11.39	2172.	4.762
692.	11.41	2173.	4.765

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	11.43	2174.	4.756
694.	11.41	2175.	4.745
695.	11.43	2176.	4.747
696.	11.42	2177.	4.759
697.	11.46	2178.	4.723
698.	11.45	2179.	4.786
699.	11.45	2180.	4.731
700.	11.45	2181.	4.717
701.	11.46	2182.	4.721
702.	11.46	2183.	4.718
703.	11.46	2184.	4.703
704.	11.48	2185.	4.708
705.	11.52	2186.	4.722
706.	11.49	2187.	4.728
707.	11.51	2188.	4.709
708.	11.53	2189.	4.705
709.	11.53	2190.	4.717
710.	11.56	2191.	4.718
711.	11.53	2192.	4.686
712.	11.55	2193.	4.715
713.	11.56	2194.	4.694
714.	11.55	2195.	4.719
715.	11.57	2196.	4.661
716.	11.57	2197.	4.673
717.	11.57	2198.	4.674
718.	11.58	2199.	4.692
719.	11.59	2200.	4.646
720.	11.58	2201.	4.634
721.	11.59	2202.	4.671
722.	11.65	2203.	4.67
723.	11.61	2204.	4.657
724.	11.65	2205.	4.666
725.	11.64	2206.	4.636
726.	11.66	2207.	4.635
727.	11.63	2208.	4.633
728.	11.66	2209.	4.618
729.	11.64	2210.	4.641
730.	11.64	2211.	4.628
731.	11.64	2212.	4.617
732.	11.68	2213.	4.633
733.	11.67	2214.	4.633
734.	11.68	2215.	4.609
735.	11.71	2216.	4.62
736.	11.69	2217.	4.597
737.	11.69	2218.	4.605
738.	11.7	2219.	4.599
739.	11.72	2220.	4.609
740.	11.74	2221.	4.604
741.	11.71	2222.	4.593
742.	11.74	2223.	4.591
743.	11.74	2224.	4.583
744.	11.76	2225.	4.562
745.	11.75	2226.	4.587
746.	11.73	2227.	4.576
747.	11.77	2228.	4.571
748.	11.76	2229.	4.555
749.	11.76	2230.	4.555
750.	11.79	2231.	4.559
751.	11.75	2232.	4.562
752.	11.78	2233.	4.552
753.	11.79	2234.	4.545
754.	11.83	2235.	4.537
755.	11.82	2236.	4.561
756.	11.84	2237.	4.536
757.	11.85	2238.	4.524
758.	11.84	2239.	4.542

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	11.84	2240.	4.524
760.	11.83	2241.	4.535
761.	11.86	2242.	4.517
762.	11.87	2243.	4.524
763.	11.85	2244.	4.499
764.	11.85	2245.	4.507
765.	11.85	2246.	4.5
766.	11.86	2247.	4.518
767.	11.9	2248.	4.483
768.	11.9	2249.	4.529
769.	11.89	2250.	4.507
770.	11.89	2251.	4.505
771.	11.92	2252.	4.49
772.	11.93	2253.	4.489
773.	11.93	2254.	4.506
774.	11.9	2255.	4.488
775.	11.95	2256.	4.481
776.	11.95	2257.	4.497
777.	11.97	2258.	4.485
778.	11.98	2259.	4.476
779.	11.97	2260.	4.465
780.	11.95	2261.	4.448
781.	12.	2262.	4.466
782.	11.96	2263.	4.46
783.	12.01	2264.	4.475
784.	12.01	2265.	4.427
785.	12.02	2266.	4.474
786.	12.01	2267.	4.437
787.	12.	2268.	4.431
788.	12.02	2269.	4.445
789.	12.	2270.	4.439
790.	12.06	2271.	4.435
791.	12.05	2272.	4.451
792.	12.05	2273.	4.427
793.	12.07	2274.	4.438
794.	12.04	2275.	4.419
795.	12.05	2276.	4.416
796.	12.06	2277.	4.424
797.	12.06	2278.	4.416
798.	12.09	2279.	4.397
799.	12.05	2280.	4.388
800.	12.08	2281.	4.398
801.	12.1	2282.	4.417
802.	12.11	2283.	4.41
803.	12.11	2284.	4.393
804.	12.12	2285.	4.386
805.	12.13	2286.	4.387
806.	12.12	2287.	4.39
807.	12.08	2288.	4.38
808.	12.11	2289.	4.394
809.	12.16	2290.	4.391
810.	12.11	2291.	4.388
811.	12.13	2292.	4.361
812.	12.16	2293.	4.395
813.	12.14	2294.	4.345
814.	12.2	2295.	4.351
815.	12.18	2296.	4.37
816.	12.14	2297.	4.362
817.	12.18	2298.	4.37
818.	12.21	2299.	4.354
819.	12.23	2300.	4.354
820.	12.2	2301.	4.374
821.	12.22	2302.	4.352
822.	12.19	2303.	4.352
823.	12.22	2304.	4.324
824.	12.24	2305.	4.339

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	12.24	2306.	4.335
826.	12.2	2307.	4.31
827.	12.24	2308.	4.305
828.	12.26	2309.	4.342
829.	12.29	2310.	4.328
830.	12.25	2311.	4.32
831.	12.26	2312.	4.338
832.	12.29	2313.	4.311
833.	12.26	2314.	4.303
834.	12.3	2315.	4.297
835.	12.3	2316.	4.313
836.	12.27	2317.	4.295
837.	12.29	2318.	4.305
838.	12.31	2319.	4.288
839.	12.33	2320.	4.262
840.	12.33	2321.	4.296
841.	12.33	2322.	4.291
842.	12.32	2323.	4.266
843.	12.31	2324.	4.279
844.	12.35	2325.	4.299
845.	12.36	2326.	4.267
846.	12.36	2327.	4.266
847.	12.38	2328.	4.279
848.	12.38	2329.	4.247
849.	12.36	2330.	4.269
850.	12.36	2331.	4.25
851.	12.38	2332.	4.256
852.	12.4	2333.	4.25
853.	12.4	2334.	4.266
854.	12.37	2335.	4.239
855.	12.41	2336.	4.247
856.	12.43	2337.	4.229
857.	12.4	2338.	4.227
858.	12.4	2339.	4.249
859.	12.43	2340.	4.228
860.	12.41	2341.	4.234
861.	12.45	2342.	4.227
862.	12.43	2343.	4.222
863.	12.41	2344.	4.195
864.	12.44	2345.	4.22
865.	12.47	2346.	4.203
866.	12.43	2347.	4.211
867.	12.47	2348.	4.205
868.	12.44	2349.	4.169
869.	12.48	2350.	4.194
870.	12.51	2351.	4.217
871.	12.5	2352.	4.178
872.	12.46	2353.	4.185
873.	12.5	2354.	4.202
874.	12.52	2355.	4.196
875.	12.47	2356.	4.202
876.	12.47	2357.	4.168
877.	12.54	2358.	4.171
878.	12.55	2359.	4.158
879.	12.52	2360.	4.15
880.	12.55	2361.	4.185
881.	12.55	2362.	4.184
882.	12.52	2363.	4.149
883.	12.56	2364.	4.162
884.	12.58	2365.	4.168
885.	12.59	2366.	4.171
886.	12.55	2367.	4.172
887.	12.56	2368.	4.16
888.	12.57	2369.	4.143
889.	12.59	2370.	4.161
890.	12.58	2371.	4.137

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	12.59	2372.	4.137
892.	12.58	2373.	4.154
893.	12.57	2374.	4.113
894.	12.58	2375.	4.124
895.	12.6	2376.	4.118
896.	12.65	2377.	4.136
897.	12.64	2378.	4.129
898.	12.62	2379.	4.131
899.	12.63	2380.	4.083
900.	12.66	2381.	4.107
901.	12.65	2382.	4.111
902.	12.69	2383.	4.086
903.	12.67	2384.	4.102
904.	12.67	2385.	4.107
905.	12.65	2386.	4.1
906.	12.67	2387.	4.104
907.	12.71	2388.	4.067
908.	12.69	2389.	4.084
909.	12.7	2390.	4.092
910.	12.71	2391.	4.101
911.	12.72	2392.	4.062
912.	12.71	2393.	4.12
913.	12.73	2394.	4.096
914.	12.72	2395.	4.069
915.	12.71	2396.	4.075
916.	12.72	2397.	4.071
917.	12.75	2398.	4.072
918.	12.74	2399.	4.066
919.	12.73	2400.	4.046
920.	12.75	2401.	4.067
921.	12.76	2402.	4.044
922.	12.76	2403.	4.049
923.	12.77	2404.	4.057
924.	12.79	2405.	4.062
925.	12.77	2406.	4.044
926.	12.75	2407.	4.045
927.	12.77	2408.	4.04
928.	12.8	2409.	4.023
929.	12.81	2410.	4.056
930.	12.8	2411.	4.036
931.	12.81	2412.	4.028
932.	12.83	2413.	4.021
933.	12.81	2414.	4.017
934.	12.83	2415.	4.04
935.	12.84	2416.	4.018
936.	12.86	2417.	4.036
937.	12.82	2418.	4.001
938.	12.85	2419.	4.003
939.	12.86	2420.	3.992
940.	12.8	2421.	3.996
941.	12.85	2422.	4.011
942.	12.86	2423.	3.979
943.	12.88	2424.	3.996
944.	12.85	2425.	3.989
945.	12.84	2426.	3.988
946.	12.89	2427.	4.
947.	12.88	2428.	3.951
948.	12.9	2429.	3.986
949.	12.9	2430.	3.957
950.	12.92	2431.	3.978
951.	12.87	2432.	3.951
952.	12.88	2433.	3.97
953.	12.92	2434.	3.972
954.	12.92	2435.	3.967
955.	12.96	2436.	3.967
956.	12.94	2437.	3.956

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	12.92	2438.	3.976
958.	12.93	2439.	3.978
959.	12.94	2440.	3.952
960.	12.96	2441.	3.953
961.	12.97	2442.	3.932
962.	12.95	2443.	3.938
963.	12.97	2444.	3.943
964.	12.96	2445.	3.923
965.	12.94	2446.	3.951
966.	12.95	2447.	3.954
967.	12.97	2448.	3.912
968.	12.97	2449.	3.927
969.	12.97	2450.	3.925
970.	12.98	2451.	3.917
971.	12.99	2452.	3.924
972.	13.	2453.	3.93
973.	12.97	2454.	3.904
974.	13.	2455.	3.913
975.	12.99	2456.	3.918
976.	13.01	2457.	3.898
977.	13.04	2458.	3.923
978.	13.06	2459.	3.883
979.	13.02	2460.	3.883
980.	13.04	2461.	3.907
981.	13.04	2462.	3.915
982.	13.04	2463.	3.89
983.	13.06	2464.	3.881
984.	13.07	2465.	3.9
985.	13.05	2466.	3.89
986.	13.06	2467.	3.883
987.	13.08	2468.	3.883
988.	13.06	2469.	3.879
989.	13.04	2470.	3.883
990.	13.07	2471.	3.885
991.	13.09	2472.	3.864
992.	13.09	2473.	3.867
993.	13.13	2474.	3.839
994.	13.08	2475.	3.851
995.	13.11	2476.	3.89
996.	13.08	2477.	3.869
997.	13.14	2478.	3.881
998.	13.11	2479.	3.859
999.	13.13	2480.	3.85
1000.	13.1	2481.	3.866
1001.	13.11	2482.	3.845
1002.	13.15	2483.	3.873
1003.	13.13	2484.	3.84
1004.	13.15	2485.	3.83
1005.	13.15	2486.	3.833
1006.	13.15	2487.	3.827
1007.	13.16	2488.	3.821
1008.	13.16	2489.	3.857
1009.	13.19	2490.	3.822
1010.	13.2	2491.	3.838
1011.	13.17	2492.	3.813
1012.	13.16	2493.	3.791
1013.	13.22	2494.	3.804
1014.	13.18	2495.	3.809
1015.	13.16	2496.	3.81
1016.	13.22	2497.	3.798
1017.	13.21	2498.	3.803
1018.	13.22	2499.	3.796
1019.	13.21	2500.	3.779
1020.	13.17	2501.	3.815
1021.	13.24	2502.	3.804
1022.	13.18	2503.	3.795

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	13.23	2504.	3.786
1024.	13.27	2505.	3.787
1025.	13.22	2506.	3.788
1026.	13.23	2507.	3.797
1027.	13.24	2508.	3.768
1028.	13.28	2509.	3.763
1029.	13.25	2510.	3.797
1030.	13.27	2511.	3.778
1031.	13.26	2512.	3.764
1032.	13.26	2513.	3.757
1033.	13.29	2514.	3.776
1034.	13.28	2515.	3.739
1035.	13.25	2516.	3.734
1036.	13.26	2517.	3.775
1037.	13.27	2518.	3.746
1038.	13.29	2519.	3.762
1039.	13.28	2520.	3.758
1040.	13.29	2521.	3.728
1041.	13.29	2522.	3.753
1042.	13.3	2523.	3.716
1043.	13.31	2524.	3.727
1044.	13.3	2525.	3.732
1045.	13.32	2526.	3.75
1046.	13.33	2527.	3.717
1047.	13.33	2528.	3.738
1048.	13.35	2529.	3.707
1049.	13.34	2530.	3.714
1050.	13.35	2531.	3.713
1051.	13.34	2532.	3.695
1052.	13.36	2533.	3.714
1053.	13.34	2534.	3.709
1054.	13.34	2535.	3.694
1055.	13.37	2536.	3.724
1056.	13.36	2537.	3.696
1057.	13.39	2538.	3.684
1058.	13.39	2539.	3.684
1059.	13.38	2540.	3.693
1060.	13.38	2541.	3.722
1061.	13.4	2542.	3.717
1062.	13.37	2543.	3.704
1063.	13.39	2544.	3.68
1064.	13.4	2545.	3.675
1065.	13.4	2546.	3.673
1066.	13.37	2547.	3.693
1067.	13.41	2548.	3.699
1068.	13.4	2549.	3.649
1069.	13.43	2550.	3.671
1070.	13.47	2551.	3.663
1071.	13.46	2552.	3.677
1072.	13.42	2553.	3.646
1073.	13.44	2554.	3.657
1074.	13.45	2555.	3.665
1075.	13.45	2556.	3.655
1076.	13.46	2557.	3.661
1077.	13.46	2558.	3.638
1078.	13.46	2559.	3.652
1079.	13.46	2560.	3.655
1080.	13.46	2561.	3.647
1081.	13.48	2562.	3.648
1082.	13.48	2563.	3.642
1083.	13.48	2564.	3.638
1084.	13.49	2565.	3.624
1085.	13.52	2566.	3.61
1086.	13.51	2567.	3.638
1087.	13.49	2568.	3.633
1088.	13.52	2569.	3.643

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	13.51	2570.	3.611
1090.	13.5	2571.	3.615
1091.	13.54	2572.	3.612
1092.	13.52	2573.	3.607
1093.	13.52	2574.	3.592
1094.	13.51	2575.	3.618
1095.	13.56	2576.	3.624
1096.	13.54	2577.	3.588
1097.	13.53	2578.	3.629
1098.	13.54	2579.	3.641
1099.	13.56	2580.	3.622
1100.	13.57	2581.	3.616
1101.	13.55	2582.	3.582
1102.	13.55	2583.	3.591
1103.	13.57	2584.	3.613
1104.	13.52	2585.	3.604
1105.	13.58	2586.	3.584
1106.	13.55	2587.	3.588
1107.	13.58	2588.	3.577
1108.	13.59	2589.	3.552
1109.	13.59	2590.	3.558
1110.	13.6	2591.	3.585
1111.	13.56	2592.	3.55
1112.	13.59	2593.	3.577
1113.	13.59	2594.	3.561
1114.	13.61	2595.	3.562
1115.	13.63	2596.	3.558
1116.	13.61	2597.	3.567
1117.	13.63	2598.	3.544
1118.	13.58	2599.	3.571
1119.	13.61	2600.	3.552
1120.	13.62	2601.	3.54
1121.	13.61	2602.	3.549
1122.	13.65	2603.	3.555
1123.	13.64	2604.	3.536
1124.	13.65	2605.	3.537
1125.	13.63	2606.	3.55
1126.	13.69	2607.	3.519
1127.	13.69	2608.	3.541
1128.	13.63	2609.	3.509
1129.	13.63	2610.	3.576
1130.	13.67	2611.	3.531
1131.	13.66	2612.	3.521
1132.	13.7	2613.	3.516
1133.	13.67	2614.	3.501
1134.	13.73	2615.	3.546
1135.	13.71	2616.	3.525
1136.	13.69	2617.	3.536
1137.	13.73	2618.	3.517
1138.	13.7	2619.	3.497
1139.	13.71	2620.	3.524
1140.	13.71	2621.	3.513
1141.	13.72	2622.	3.505
1142.	13.73	2623.	3.504
1143.	13.75	2624.	3.495
1144.	13.71	2625.	3.475
1145.	13.72	2626.	3.481
1146.	13.75	2627.	3.474
1147.	13.73	2628.	3.483
1148.	13.72	2629.	3.498
1149.	13.74	2630.	3.485
1150.	13.74	2631.	3.487
1151.	13.74	2632.	3.473
1152.	13.78	2633.	3.447
1153.	13.76	2634.	3.466
1154.	13.77	2635.	3.447

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	13.77	2636.	3.465
1156.	13.78	2637.	3.44
1157.	13.75	2638.	3.474
1158.	13.77	2639.	3.453
1159.	13.75	2640.	3.496
1160.	13.77	2641.	3.461
1161.	13.77	2642.	3.433
1162.	13.81	2643.	3.436
1163.	13.81	2644.	3.459
1164.	13.82	2645.	3.462
1165.	13.81	2646.	3.45
1166.	13.81	2647.	3.45
1167.	13.83	2648.	3.463
1168.	13.81	2649.	3.443
1169.	13.83	2650.	3.445
1170.	13.83	2651.	3.442
1171.	13.83	2652.	3.436
1172.	13.82	2653.	3.442
1173.	13.84	2654.	3.415
1174.	13.81	2655.	3.45
1175.	13.82	2656.	3.42
1176.	13.84	2657.	3.461
1177.	13.85	2658.	3.413
1178.	13.86	2659.	3.419
1179.	13.82	2660.	3.416
1180.	13.85	2661.	3.398
1181.	13.85	2662.	3.412
1182.	13.84	2663.	3.388
1183.	13.85	2664.	3.398
1184.	13.85	2665.	3.392
1185.	13.86	2666.	3.395
1186.	13.85	2667.	3.417
1187.	13.89	2668.	3.391
1188.	13.88	2669.	3.427
1189.	13.86	2670.	3.365
1190.	13.9	2671.	3.375
1191.	13.87	2672.	3.386
1192.	13.88	2673.	3.391
1193.	13.89	2674.	3.387
1194.	13.91	2675.	3.389
1195.	13.9	2676.	3.379
1196.	13.9	2677.	3.376
1197.	13.91	2678.	3.387
1198.	13.92	2679.	3.378
1199.	13.91	2680.	3.369
1200.	13.93	2681.	3.375
1201.	13.93	2682.	3.384
1202.	13.93	2683.	3.359
1203.	13.88	2684.	3.363
1204.	13.93	2685.	3.365
1205.	13.88	2686.	3.354
1206.	13.91	2687.	3.371
1207.	13.92	2688.	3.38
1208.	13.9	2689.	3.352
1209.	13.91	2690.	3.376
1210.	13.9	2691.	3.333
1211.	13.91	2692.	3.341
1212.	13.9	2693.	3.348
1213.	13.9	2694.	3.34
1214.	13.89	2695.	3.331
1215.	13.91	2696.	3.325
1216.	13.94	2697.	3.343
1217.	13.93	2698.	3.336
1218.	13.91	2699.	3.333
1219.	13.92	2700.	3.308
1220.	13.88	2701.	3.325

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	13.9	2702.	3.341
1222.	13.89	2703.	3.336
1223.	13.94	2704.	3.314
1224.	13.89	2705.	3.32
1225.	13.92	2706.	3.296
1226.	13.92	2707.	3.305
1227.	13.91	2708.	3.314
1228.	13.92	2709.	3.308
1229.	13.93	2710.	3.296
1230.	13.91	2711.	3.305
1231.	13.92	2712.	3.313
1232.	13.9	2713.	3.321
1233.	13.89	2714.	3.287
1234.	13.9	2715.	3.301
1235.	13.92	2716.	3.305
1236.	13.9	2717.	3.291
1237.	13.91	2718.	3.293
1238.	13.85	2719.	3.257
1239.	13.93	2720.	3.293
1240.	13.91	2721.	3.275
1241.	13.92	2722.	3.271
1242.	13.89	2723.	3.266
1243.	13.9	2724.	3.272
1244.	13.9	2725.	3.298
1245.	13.9	2726.	3.262
1246.	13.92	2727.	3.269
1247.	13.92	2728.	3.262
1248.	13.91	2729.	3.256
1249.	13.91	2730.	3.277
1250.	13.9	2731.	3.273
1251.	13.92	2732.	3.256
1252.	13.93	2733.	3.286
1253.	13.92	2734.	3.262
1254.	13.94	2735.	3.26
1255.	13.94	2736.	3.248
1256.	13.92	2737.	3.266
1257.	13.91	2738.	3.262
1258.	13.96	2739.	3.301
1259.	13.91	2740.	3.237
1260.	13.96	2741.	3.241
1261.	13.97	2742.	3.246
1262.	13.95	2743.	3.249
1263.	13.96	2744.	3.229
1264.	13.98	2745.	3.242
1265.	13.98	2746.	3.223
1266.	13.95	2747.	3.236
1267.	13.96	2748.	3.237
1268.	13.96	2749.	3.242
1269.	13.98	2750.	3.223
1270.	13.95	2751.	3.23
1271.	13.99	2752.	3.206
1272.	14.	2753.	3.253
1273.	14.01	2754.	3.2
1274.	13.99	2755.	3.22
1275.	14.01	2756.	3.239
1276.	14.02	2757.	3.228
1277.	14.	2758.	3.212
1278.	14.03	2759.	3.2
1279.	13.99	2760.	3.194
1280.	14.02	2761.	3.203
1281.	14.02	2762.	3.185
1282.	13.99	2763.	3.187
1283.	14.02	2764.	3.2
1284.	14.03	2765.	3.184
1285.	14.02	2766.	3.223
1286.	14.05	2767.	3.178

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	14.04	2768.	3.177
1288.	14.03	2769.	3.172
1289.	14.08	2770.	3.178
1290.	14.03	2771.	3.213
1291.	14.07	2772.	3.186
1292.	14.05	2773.	3.206
1293.	14.07	2774.	3.182
1294.	14.07	2775.	3.187
1295.	14.1	2776.	3.168
1296.	14.07	2777.	3.19
1297.	14.1	2778.	3.166
1298.	14.1	2779.	3.201
1299.	14.08	2780.	3.154
1300.	14.09	2781.	3.158
1301.	14.09	2782.	3.153
1302.	14.1	2783.	3.157
1303.	14.1	2784.	3.153
1304.	14.09	2785.	3.18
1305.	14.1	2786.	3.141
1306.	14.1	2787.	3.176
1307.	14.14	2788.	3.165
1308.	14.13	2789.	3.168
1309.	14.11	2790.	3.139
1310.	14.13	2791.	3.157
1311.	14.14	2792.	3.126
1312.	14.12	2793.	3.158
1313.	14.13	2794.	3.147
1314.	14.13	2795.	3.132
1315.	14.15	2796.	3.13
1316.	14.14	2797.	3.132
1317.	14.14	2798.	3.103
1318.	14.17	2799.	3.109
1319.	14.16	2800.	3.129
1320.	14.16	2801.	3.117
1321.	14.19	2802.	3.129
1322.	14.15	2803.	3.134
1323.	14.19	2804.	3.1
1324.	14.18	2805.	3.102
1325.	14.18	2806.	3.139
1326.	14.21	2807.	3.115
1327.	14.17	2808.	3.129
1328.	14.19	2809.	3.112
1329.	14.19	2810.	3.108
1330.	14.21	2811.	3.13
1331.	14.2	2812.	3.107
1332.	14.19	2813.	3.107
1333.	14.24	2814.	3.1
1334.	14.22	2815.	3.121
1335.	14.19	2816.	3.095
1336.	14.21	2817.	3.111
1337.	14.21	2818.	3.097
1338.	14.23	2819.	3.098
1339.	14.24	2820.	3.127
1340.	14.23	2821.	3.081
1341.	14.24	2822.	3.094
1342.	14.22	2823.	3.088
1343.	14.24	2824.	3.103
1344.	14.24	2825.	3.062
1345.	14.23	2826.	3.078
1346.	14.24	2827.	3.107
1347.	14.23	2828.	3.08
1348.	14.27	2829.	3.1
1349.	14.27	2830.	3.092
1350.	14.3	2831.	3.066
1351.	14.28	2832.	3.068
1352.	14.28	2833.	3.061

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	14.26	2834.	3.074
1354.	14.29	2835.	3.104
1355.	14.27	2836.	3.069
1356.	14.28	2837.	3.079
1357.	14.3	2838.	3.065
1358.	14.32	2839.	3.07
1359.	14.34	2840.	3.055
1360.	14.31	2841.	3.056
1361.	14.3	2842.	3.059
1362.	14.3	2843.	3.081
1363.	14.36	2844.	3.049
1364.	14.32	2845.	3.057
1365.	14.34	2846.	3.073
1366.	14.33	2847.	3.033
1367.	14.34	2848.	3.06
1368.	14.35	2849.	3.046
1369.	14.34	2850.	3.046
1370.	14.31	2851.	3.041
1371.	14.36	2852.	3.051
1372.	14.33	2853.	3.028
1373.	14.36	2854.	3.037
1374.	14.38	2855.	3.082
1375.	14.34	2856.	3.035
1376.	14.39	2857.	3.051
1377.	14.36	2858.	3.032
1378.	14.36	2859.	3.064
1379.	14.38	2860.	3.02
1380.	14.41	2861.	3.037
1381.	14.4	2862.	3.
1382.	14.38	2863.	3.008
1383.	14.39	2864.	3.016
1384.	14.44	2865.	3.026
1385.	14.42	2866.	3.038
1386.	14.33	2867.	3.015
1387.	14.35	2868.	3.011
1388.	14.36	2869.	2.992
1389.	14.37	2870.	3.015
1390.	14.38	2871.	3.011
1391.	14.37	2872.	3.015
1392.	14.38	2873.	3.014
1393.	14.37	2874.	2.995
1394.	14.38	2875.	3.001
1395.	14.36	2876.	2.986
1396.	14.36	2877.	2.99
1397.	14.38	2878.	2.989
1398.	14.39	2879.	2.994
1399.	14.38	2880.	3.012
1400.	14.38	2881.	2.98
1401.	14.39	2882.	3.002
1402.	14.36	2883.	2.983
1403.	14.36	2884.	2.97
1404.	14.37	2885.	2.973
1405.	14.38	2886.	3.001
1406.	14.34	2887.	2.981
1407.	14.38	2888.	3.007
1408.	14.39	2889.	2.969
1409.	14.37	2890.	2.991
1410.	14.38	2891.	2.945
1411.	14.37	2892.	2.959
1412.	14.37	2893.	2.978
1413.	14.38	2894.	2.966
1414.	14.38	2895.	2.968
1415.	14.37	2896.	2.946
1416.	14.38	2897.	2.989
1417.	14.36	2898.	2.963
1418.	14.38	2899.	2.968

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	14.35	2900.	2.981
1420.	14.37	2901.	2.968
1421.	14.37	2902.	2.977
1422.	14.35	2903.	2.934
1423.	14.39	2904.	2.946
1424.	14.37	2905.	2.972
1425.	14.37	2906.	2.949
1426.	14.34	2907.	2.93
1427.	14.41	2908.	2.956
1428.	14.36	2909.	2.966
1429.	14.37	2910.	2.953
1430.	14.38	2911.	2.938
1431.	14.36	2912.	2.929
1432.	14.37	2913.	2.955
1433.	14.4	2914.	2.957
1434.	14.37	2915.	2.932
1435.	14.37	2916.	2.915
1436.	14.36	2917.	2.905
1437.	14.37	2918.	2.945
1438.	14.35	2919.	2.923
1439.	14.37	2920.	2.932
1440.	14.38	2921.	2.921
1441.	14.36	2922.	2.918
1442.	14.37	2923.	2.923
1443.	14.37	2924.	2.951
1444.	14.39	2925.	2.92
1445.	14.36	2926.	2.921
1446.	14.37	2927.	2.917
1447.	14.36	2928.	2.93
1448.	14.37	2929.	2.929
1449.	14.38	2930.	2.932
1450.	14.39	2931.	2.933
1451.	14.36	2932.	2.922
1452.	14.41	2933.	2.929
1453.	14.37	2934.	2.889
1454.	14.39	2935.	2.915
1455.	14.34	2936.	2.913
1456.	14.28	2937.	2.893
1457.	14.22	2938.	2.927
1458.	14.16	2939.	2.922
1459.	14.05	2940.	2.901
1460.	14.02	2941.	2.872
1461.	13.94	2942.	2.93
1462.	13.92	2943.	2.882
1463.	13.81	2944.	2.899
1464.	13.76	2945.	2.886
1465.	13.73	2946.	2.917
1466.	13.65	2947.	2.873
1467.	13.56	2948.	2.872
1468.	13.57	2949.	2.879
1469.	13.5	2950.	2.894
1470.	13.47	2951.	2.897
1471.	13.37	2952.	2.879
1472.	13.29	2953.	2.868
1473.	13.27	2954.	2.915
1474.	13.21	2955.	2.868
1475.	13.18	2956.	2.876
1476.	13.12	2957.	2.871
1477.	13.1	2958.	2.878
1478.	13.03	2959.	2.852
1479.	12.98	2960.	2.876
1480.	12.93	2961.	2.86
1481.	12.88		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1261.4	ft^2/day
S	0.0001504	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.77 ft/day (0.005563 cm/sec)
Ss = S/b = 1.88E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1269.7	1.244	+/- 2.439	1020.7	ft^2/day
S	0.0001418	3.029E-7	+/- 5.94E-7	468.1	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.87 ft/day (0.005599 cm/sec)
Ss = S/b = 1.772E-6 1/ft

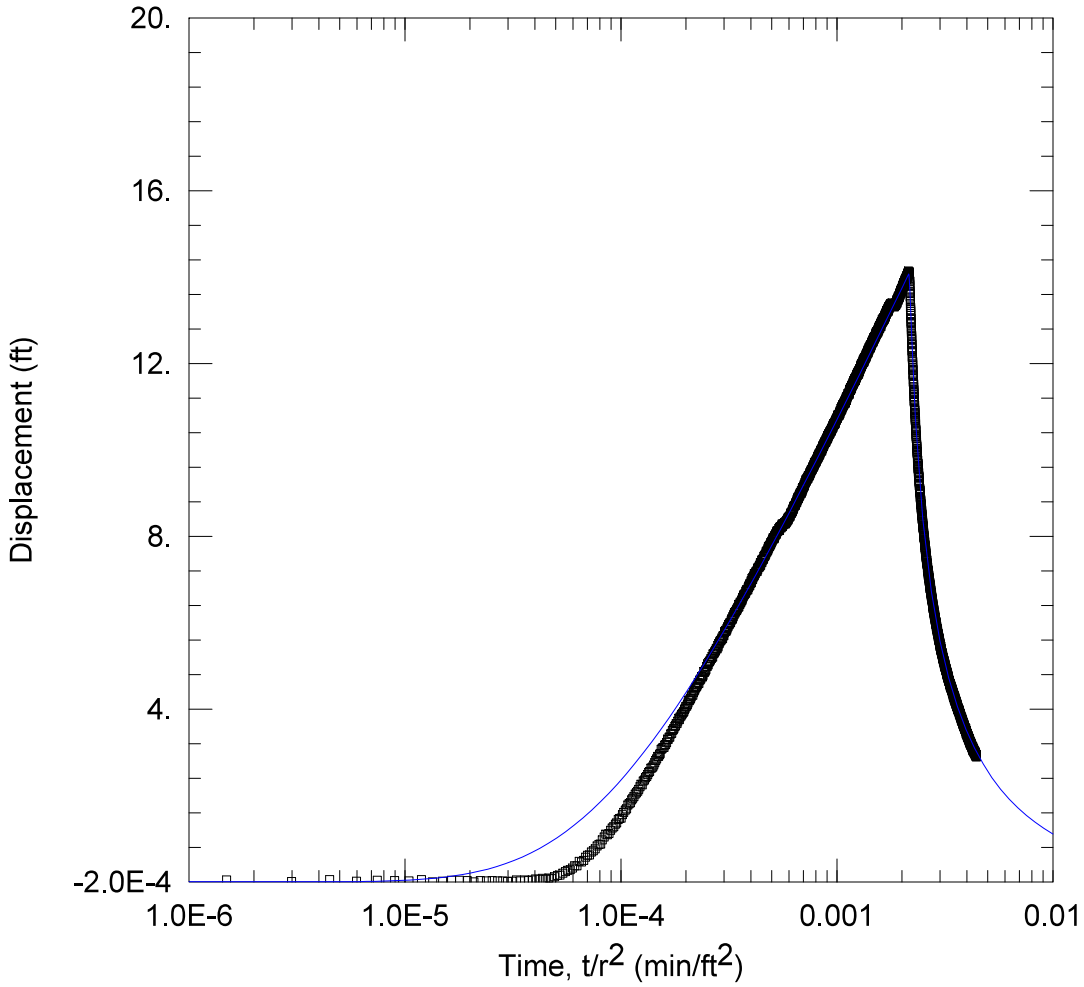
Parameter Correlations

	T	S
T	1.00	-0.81
S	-0.81	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 115.3 ft^2
Variance . . . . . 0.03898 ft^2
Std. Deviation . . . . . 0.1974 ft
Mean . . . . . -0.04301 ft
No. of Residuals 2961
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW7.aqt
Date: 04/11/25 Time: 12:02:41

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW7	1998	667

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1254.4 ft^2/day
S = 0.0001663
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:05:31

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW7

X Location: 1998. ft
Y Location: 667. ft

Radial distance from BM 1B: 818.2328519 ft
Radial distance from BM2A: 535.7770059 ft
Radial distance from BM3: 1342.007824 ft
Radial distance from BM 4 : 1167.157659 ft
Radial distance from BM5: 1238.775202 ft
Radial distance from BM 6: 1163.299188 ft
Radial distance from BM7: 913.0854286 ft
Radial distance from BM9: 808.8634001 ft

Fully Penetrating Well

No. of Observations: 2967

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.04224	1485.	12.66
2.	0.00716	1486.	12.62
3.	0.04806	1487.	12.58
4.	0.01677	1488.	12.55
5.	0.04023	1489.	12.48
6.	0.03119	1490.	12.45
7.	0.02428	1491.	12.43
8.	0.05295	1492.	12.37
9.	0.001637	1493.	12.34
10.	0.01759	1494.	12.29
11.	0.03989	1495.	12.29
12.	0.03742	1496.	12.26
13.	0.0309	1497.	12.13
14.	-0.000166	1498.	12.15
15.	0.03279	1499.	12.14
16.	0.02392	1500.	12.1
17.	0.03172	1501.	12.05
18.	0.02428	1502.	12.03
19.	0.02234	1503.	11.99
20.	0.004437	1504.	11.96
21.	0.01409	1505.	11.91
22.	0.04551	1506.	11.86
23.	0.02003	1507.	11.85
24.	0.04102	1508.	11.84
25.	0.03278	1509.	11.76
26.	0.0408	1510.	11.74
27.	0.06711	1511.	11.7
28.	0.06236	1512.	11.71
29.	0.07859	1513.	11.62
30.	0.05928	1514.	11.57
31.	0.092	1515.	11.56
32.	0.07756	1516.	11.52

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.1218	1517.	11.53
34.	0.1462	1518.	11.46
35.	0.157	1519.	11.46
36.	0.2035	1520.	11.4
37.	0.2385	1521.	11.39
38.	0.2655	1522.	11.35
39.	0.2811	1523.	11.33
40.	0.3217	1524.	11.3
41.	0.3687	1525.	11.24
42.	0.3718	1526.	11.23
43.	0.4758	1527.	11.18
44.	0.4617	1528.	11.13
45.	0.4971	1529.	11.14
46.	0.5696	1530.	11.11
47.	0.6145	1531.	11.1
48.	0.6211	1532.	11.04
49.	0.6866	1533.	11.04
50.	0.7202	1534.	10.99
51.	0.7631	1535.	10.96
52.	0.8268	1536.	10.94
53.	0.8674	1537.	10.92
54.	0.8762	1538.	10.87
55.	0.9667	1539.	10.87
56.	1.038	1540.	10.84
57.	1.101	1541.	10.82
58.	1.091	1542.	10.77
59.	1.12	1543.	10.74
60.	1.195	1544.	10.73
61.	1.248	1545.	10.7
62.	1.27	1546.	10.66
63.	1.334	1547.	10.67
64.	1.364	1548.	10.63
65.	1.444	1549.	10.6
66.	1.47	1550.	10.57
67.	1.476	1551.	10.53
68.	1.559	1552.	10.5
69.	1.609	1553.	10.48
70.	1.658	1554.	10.45
71.	1.692	1555.	10.46
72.	1.778	1556.	10.43
73.	1.807	1557.	10.36
74.	1.83	1558.	10.32
75.	1.898	1559.	10.35
76.	1.936	1560.	10.3
77.	1.973	1561.	10.3
78.	2.027	1562.	10.26
79.	2.062	1563.	10.22
80.	2.1	1564.	10.21
81.	2.142	1565.	10.17
82.	2.202	1566.	10.18
83.	2.259	1567.	10.17
84.	2.245	1568.	10.12
85.	2.333	1569.	10.12
86.	2.358	1570.	10.07
87.	2.404	1571.	10.08
88.	2.44	1572.	10.04
89.	2.482	1573.	10.02
90.	2.535	1574.	9.97
91.	2.559	1575.	9.961
92.	2.632	1576.	9.943
93.	2.639	1577.	9.928
94.	2.661	1578.	9.906
95.	2.701	1579.	9.876
96.	2.757	1580.	9.875
97.	2.807	1581.	9.823
98.	2.842	1582.	9.821

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	2.906	1583.	9.793
100.	2.906	1584.	9.788
101.	2.94	1585.	9.696
102.	2.97	1586.	9.761
103.	3.065	1587.	9.689
104.	3.082	1588.	9.689
105.	3.108	1589.	9.678
106.	3.108	1590.	9.645
107.	3.165	1591.	9.649
108.	3.18	1592.	9.614
109.	3.221	1593.	9.588
110.	3.303	1594.	9.547
111.	3.292	1595.	9.565
112.	3.348	1596.	9.548
113.	3.348	1597.	9.515
114.	3.422	1598.	9.481
115.	3.44	1599.	9.491
116.	3.506	1600.	9.462
117.	3.515	1601.	9.473
118.	3.551	1602.	9.39
119.	3.592	1603.	9.417
120.	3.612	1604.	9.383
121.	3.657	1605.	9.385
122.	3.666	1606.	9.37
123.	3.717	1607.	9.352
124.	3.782	1608.	9.295
125.	3.759	1609.	9.263
126.	3.813	1610.	9.268
127.	3.836	1611.	9.233
128.	3.864	1612.	9.271
129.	3.892	1613.	9.223
130.	3.919	1614.	9.177
131.	3.941	1615.	9.162
132.	3.988	1616.	9.164
133.	4.012	1617.	9.179
134.	4.054	1618.	9.101
135.	4.07	1619.	9.109
136.	4.105	1620.	9.079
137.	4.139	1621.	9.046
138.	4.199	1622.	9.076
139.	4.191	1623.	9.06
140.	4.214	1624.	9.056
141.	4.243	1625.	9.021
142.	4.284	1626.	9.009
143.	4.323	1627.	8.97
144.	4.316	1628.	8.998
145.	4.379	1629.	8.916
146.	4.414	1630.	8.91
147.	4.44	1631.	8.892
148.	4.48	1632.	8.89
149.	4.501	1633.	8.87
150.	4.521	1634.	8.842
151.	4.53	1635.	8.851
152.	4.571	1636.	8.833
153.	4.614	1637.	8.819
154.	4.59	1638.	8.805
155.	4.667	1639.	8.781
156.	4.677	1640.	8.759
157.	4.699	1641.	8.734
158.	4.746	1642.	8.736
159.	4.756	1643.	8.749
160.	4.738	1644.	8.71
161.	4.778	1645.	8.659
162.	4.863	1646.	8.681
163.	4.842	1647.	8.648
164.	4.867	1648.	8.643

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	4.887	1649.	8.606
166.	4.914	1650.	8.64
167.	4.984	1651.	8.599
168.	4.986	1652.	8.612
169.	5.046	1653.	8.583
170.	5.021	1654.	8.561
171.	5.083	1655.	8.538
172.	5.094	1656.	8.513
173.	5.114	1657.	8.511
174.	5.13	1658.	8.52
175.	5.169	1659.	8.474
176.	5.172	1660.	8.473
177.	5.213	1661.	8.463
178.	5.203	1662.	8.438
179.	5.278	1663.	8.41
180.	5.282	1664.	8.44
181.	5.294	1665.	8.394
182.	5.321	1666.	8.386
183.	5.338	1667.	8.392
184.	5.347	1668.	8.367
185.	5.391	1669.	8.338
186.	5.404	1670.	8.335
187.	5.394	1671.	8.324
188.	5.468	1672.	8.312
189.	5.435	1673.	8.312
190.	5.507	1674.	8.29
191.	5.513	1675.	8.241
192.	5.549	1676.	8.204
193.	5.573	1677.	8.263
194.	5.583	1678.	8.236
195.	5.595	1679.	8.236
196.	5.616	1680.	8.194
197.	5.641	1681.	8.192
198.	5.626	1682.	8.197
199.	5.69	1683.	8.17
200.	5.703	1684.	8.162
201.	5.696	1685.	8.105
202.	5.762	1686.	8.097
203.	5.795	1687.	8.094
204.	5.804	1688.	8.117
205.	5.829	1689.	8.053
206.	5.806	1690.	8.079
207.	5.83	1691.	8.056
208.	5.873	1692.	8.022
209.	5.899	1693.	8.018
210.	5.914	1694.	8.023
211.	5.958	1695.	7.977
212.	5.953	1696.	7.997
213.	5.974	1697.	7.972
214.	5.994	1698.	7.972
215.	6.011	1699.	7.956
216.	6.005	1700.	7.937
217.	6.056	1701.	7.953
218.	6.085	1702.	7.923
219.	6.085	1703.	7.898
220.	6.088	1704.	7.907
221.	6.137	1705.	7.876
222.	6.137	1706.	7.856
223.	6.185	1707.	7.842
224.	6.198	1708.	7.875
225.	6.235	1709.	7.79
226.	6.224	1710.	7.824
227.	6.25	1711.	7.807
228.	6.257	1712.	7.792
229.	6.291	1713.	7.781
230.	6.282	1714.	7.77

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	6.313	1715.	7.775
232.	6.32	1716.	7.734
233.	6.35	1717.	7.737
234.	6.37	1718.	7.726
235.	6.422	1719.	7.694
236.	6.369	1720.	7.737
237.	6.435	1721.	7.684
238.	6.426	1722.	7.682
239.	6.478	1723.	7.652
240.	6.464	1724.	7.665
241.	6.472	1725.	7.632
242.	6.514	1726.	7.665
243.	6.51	1727.	7.614
244.	6.54	1728.	7.618
245.	6.569	1729.	7.652
246.	6.578	1730.	7.618
247.	6.608	1731.	7.623
248.	6.642	1732.	7.571
249.	6.643	1733.	7.569
250.	6.652	1734.	7.551
251.	6.66	1735.	7.536
252.	6.683	1736.	7.501
253.	6.684	1737.	7.525
254.	6.731	1738.	7.495
255.	6.738	1739.	7.503
256.	6.754	1740.	7.481
257.	6.769	1741.	7.482
258.	6.777	1742.	7.462
259.	6.76	1743.	7.478
260.	6.81	1744.	7.446
261.	6.818	1745.	7.453
262.	6.845	1746.	7.461
263.	6.857	1747.	7.388
264.	6.89	1748.	7.409
265.	6.857	1749.	7.388
266.	6.918	1750.	7.382
267.	6.912	1751.	7.381
268.	6.963	1752.	7.347
269.	6.926	1753.	7.359
270.	6.985	1754.	7.377
271.	7.026	1755.	7.326
272.	7.034	1756.	7.344
273.	7.001	1757.	7.339
274.	7.051	1758.	7.332
275.	7.063	1759.	7.314
276.	7.079	1760.	7.259
277.	7.076	1761.	7.245
278.	7.132	1762.	7.292
279.	7.095	1763.	7.22
280.	7.133	1764.	7.237
281.	7.135	1765.	7.213
282.	7.171	1766.	7.216
283.	7.174	1767.	7.22
284.	7.198	1768.	7.207
285.	7.191	1769.	7.187
286.	7.192	1770.	7.205
287.	7.242	1771.	7.179
288.	7.232	1772.	7.15
289.	7.272	1773.	7.192
290.	7.286	1774.	7.161
291.	7.288	1775.	7.131
292.	7.285	1776.	7.088
293.	7.329	1777.	7.114
294.	7.3	1778.	7.092
295.	7.34	1779.	7.119
296.	7.388	1780.	7.095

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	7.33	1781.	7.102
298.	7.386	1782.	7.108
299.	7.388	1783.	7.046
300.	7.446	1784.	7.041
301.	7.399	1785.	7.063
302.	7.462	1786.	7.041
303.	7.443	1787.	7.057
304.	7.462	1788.	7.021
305.	7.488	1789.	7.01
306.	7.472	1790.	7.027
307.	7.479	1791.	7.01
308.	7.528	1792.	7.
309.	7.544	1793.	6.967
310.	7.525	1794.	6.97
311.	7.566	1795.	6.948
312.	7.548	1796.	6.966
313.	7.587	1797.	6.937
314.	7.588	1798.	6.919
315.	7.64	1799.	6.937
316.	7.648	1800.	6.94
317.	7.631	1801.	6.923
318.	7.668	1802.	6.886
319.	7.666	1803.	6.851
320.	7.67	1804.	6.894
321.	7.701	1805.	6.897
322.	7.714	1806.	6.871
323.	7.759	1807.	6.822
324.	7.73	1808.	6.847
325.	7.757	1809.	6.783
326.	7.784	1810.	6.859
327.	7.76	1811.	6.836
328.	7.796	1812.	6.805
329.	7.811	1813.	6.82
330.	7.802	1814.	6.777
331.	7.848	1815.	6.789
332.	7.829	1816.	6.772
333.	7.851	1817.	6.817
334.	7.869	1818.	6.757
335.	7.875	1819.	6.761
336.	7.897	1820.	6.782
337.	7.917	1821.	6.716
338.	7.928	1822.	6.709
339.	7.95	1823.	6.748
340.	7.965	1824.	6.735
341.	7.947	1825.	6.693
342.	7.972	1826.	6.698
343.	7.943	1827.	6.675
344.	7.956	1828.	6.684
345.	7.994	1829.	6.687
346.	8.009	1830.	6.658
347.	8.023	1831.	6.702
348.	8.035	1832.	6.641
349.	8.052	1833.	6.643
350.	8.058	1834.	6.611
351.	8.048	1835.	6.66
352.	8.097	1836.	6.588
353.	8.075	1837.	6.58
354.	8.124	1838.	6.587
355.	8.121	1839.	6.637
356.	8.124	1840.	6.624
357.	8.119	1841.	6.58
358.	8.127	1842.	6.602
359.	8.139	1843.	6.569
360.	8.142	1844.	6.558
361.	8.181	1845.	6.54
362.	8.167	1846.	6.549

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	8.139	1847.	6.54
364.	8.211	1848.	6.535
365.	8.185	1849.	6.523
366.	8.197	1850.	6.506
367.	8.216	1851.	6.515
368.	8.224	1852.	6.506
369.	8.228	1853.	6.484
370.	8.192	1854.	6.471
371.	8.217	1855.	6.452
372.	8.245	1856.	6.473
373.	8.261	1857.	6.473
374.	8.288	1858.	6.468
375.	8.224	1859.	6.441
376.	8.269	1860.	6.44
377.	8.265	1861.	6.447
378.	8.291	1862.	6.41
379.	8.277	1863.	6.426
380.	8.265	1864.	6.394
381.	8.293	1865.	6.395
382.	8.309	1866.	6.36
383.	8.296	1867.	6.365
384.	8.321	1868.	6.379
385.	8.293	1869.	6.332
386.	8.313	1870.	6.33
387.	8.279	1871.	6.38
388.	8.3	1872.	6.318
389.	8.341	1873.	6.367
390.	8.326	1874.	6.315
391.	8.322	1875.	6.311
392.	8.362	1876.	6.338
393.	8.372	1877.	6.316
394.	8.352	1878.	6.287
395.	8.372	1879.	6.318
396.	8.405	1880.	6.282
397.	8.396	1881.	6.303
398.	8.381	1882.	6.276
399.	8.432	1883.	6.271
400.	8.416	1884.	6.274
401.	8.434	1885.	6.252
402.	8.442	1886.	6.207
403.	8.452	1887.	6.238
404.	8.458	1888.	6.238
405.	8.47	1889.	6.218
406.	8.458	1890.	6.218
407.	8.47	1891.	6.193
408.	8.516	1892.	6.218
409.	8.535	1893.	6.168
410.	8.534	1894.	6.159
411.	8.527	1895.	6.213
412.	8.538	1896.	6.155
413.	8.544	1897.	6.168
414.	8.561	1898.	6.171
415.	8.567	1899.	6.192
416.	8.574	1900.	6.171
417.	8.609	1901.	6.142
418.	8.607	1902.	6.144
419.	8.636	1903.	6.14
420.	8.634	1904.	6.122
421.	8.624	1905.	6.109
422.	8.652	1906.	6.122
423.	8.675	1907.	6.115
424.	8.691	1908.	6.12
425.	8.71	1909.	6.086
426.	8.701	1910.	6.091
427.	8.702	1911.	6.063
428.	8.716	1912.	6.062

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	8.715	1913.	6.062
430.	8.722	1914.	6.046
431.	8.739	1915.	6.046
432.	8.776	1916.	6.042
433.	8.766	1917.	6.054
434.	8.788	1918.	6.023
435.	8.81	1919.	6.012
436.	8.805	1920.	6.029
437.	8.79	1921.	6.013
438.	8.835	1922.	6.025
439.	8.852	1923.	5.989
440.	8.842	1924.	6.028
441.	8.887	1925.	6.011
442.	8.882	1926.	5.993
443.	8.908	1927.	5.979
444.	8.868	1928.	5.96
445.	8.892	1929.	5.945
446.	8.905	1930.	5.957
447.	8.922	1931.	5.952
448.	8.938	1932.	5.886
449.	8.966	1933.	5.962
450.	8.938	1934.	5.952
451.	8.976	1935.	5.903
452.	8.98	1936.	5.929
453.	8.982	1937.	5.942
454.	9.018	1938.	5.902
455.	8.994	1939.	5.923
456.	9.014	1940.	5.866
457.	8.985	1941.	5.907
458.	9.001	1942.	5.872
459.	9.056	1943.	5.87
460.	9.034	1944.	5.861
461.	9.055	1945.	5.868
462.	9.035	1946.	5.843
463.	9.107	1947.	5.862
464.	9.131	1948.	5.866
465.	9.079	1949.	5.853
466.	9.107	1950.	5.839
467.	9.12	1951.	5.801
468.	9.127	1952.	5.815
469.	9.144	1953.	5.829
470.	9.152	1954.	5.839
471.	9.158	1955.	5.797
472.	9.179	1956.	5.794
473.	9.195	1957.	5.797
474.	9.166	1958.	5.754
475.	9.183	1959.	5.815
476.	9.213	1960.	5.787
477.	9.234	1961.	5.758
478.	9.244	1962.	5.761
479.	9.245	1963.	5.758
480.	9.233	1964.	5.768
481.	9.278	1965.	5.745
482.	9.294	1966.	5.738
483.	9.312	1967.	5.742
484.	9.284	1968.	5.72
485.	9.273	1969.	5.739
486.	9.327	1970.	5.733
487.	9.312	1971.	5.726
488.	9.327	1972.	5.706
489.	9.338	1973.	5.724
490.	9.352	1974.	5.68
491.	9.336	1975.	5.685
492.	9.338	1976.	5.708
493.	9.367	1977.	5.657
494.	9.392	1978.	5.685

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	9.414	1979.	5.631
496.	9.395	1980.	5.656
497.	9.385	1981.	5.649
498.	9.411	1982.	5.651
499.	9.419	1983.	5.656
500.	9.419	1984.	5.654
501.	9.417	1985.	5.639
502.	9.468	1986.	5.634
503.	9.445	1987.	5.625
504.	9.482	1988.	5.654
505.	9.456	1989.	5.586
506.	9.467	1990.	5.648
507.	9.502	1991.	5.604
508.	9.504	1992.	5.597
509.	9.519	1993.	5.599
510.	9.537	1994.	5.569
511.	9.533	1995.	5.585
512.	9.52	1996.	5.572
513.	9.554	1997.	5.586
514.	9.554	1998.	5.554
515.	9.561	1999.	5.578
516.	9.572	2000.	5.554
517.	9.579	2001.	5.548
518.	9.606	2002.	5.522
519.	9.596	2003.	5.541
520.	9.603	2004.	5.522
521.	9.615	2005.	5.543
522.	9.603	2006.	5.513
523.	9.618	2007.	5.515
524.	9.654	2008.	5.48
525.	9.648	2009.	5.524
526.	9.644	2010.	5.494
527.	9.66	2011.	5.503
528.	9.708	2012.	5.476
529.	9.687	2013.	5.496
530.	9.696	2014.	5.496
531.	9.688	2015.	5.462
532.	9.706	2016.	5.443
533.	9.721	2017.	5.457
534.	9.702	2018.	5.447
535.	9.731	2019.	5.466
536.	9.743	2020.	5.466
537.	9.738	2021.	5.448
538.	9.736	2022.	5.474
539.	9.764	2023.	5.442
540.	9.771	2024.	5.416
541.	9.78	2025.	5.434
542.	9.792	2026.	5.452
543.	9.802	2027.	5.401
544.	9.814	2028.	5.398
545.	9.803	2029.	5.416
546.	9.814	2030.	5.37
547.	9.839	2031.	5.368
548.	9.858	2032.	5.409
549.	9.858	2033.	5.373
550.	9.86	2034.	5.4
551.	9.83	2035.	5.375
552.	9.867	2036.	5.387
553.	9.904	2037.	5.349
554.	9.886	2038.	5.339
555.	9.887	2039.	5.358
556.	9.888	2040.	5.357
557.	9.885	2041.	5.347
558.	9.904	2042.	5.329
559.	9.928	2043.	5.367
560.	9.952	2044.	5.339

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	9.938	2045.	5.323
562.	9.974	2046.	5.319
563.	9.968	2047.	5.302
564.	9.993	2048.	5.309
565.	9.976	2049.	5.286
566.	9.992	2050.	5.286
567.	9.976	2051.	5.305
568.	9.988	2052.	5.294
569.	10.01	2053.	5.29
570.	9.976	2054.	5.277
571.	10.02	2055.	5.264
572.	10.03	2056.	5.288
573.	10.04	2057.	5.31
574.	10.03	2058.	5.268
575.	10.05	2059.	5.248
576.	10.08	2060.	5.277
577.	10.09	2061.	5.224
578.	10.06	2062.	5.236
579.	10.09	2063.	5.274
580.	10.07	2064.	5.244
581.	10.08	2065.	5.252
582.	10.11	2066.	5.227
583.	10.09	2067.	5.246
584.	10.14	2068.	5.235
585.	10.13	2069.	5.227
586.	10.14	2070.	5.193
587.	10.15	2071.	5.164
588.	10.18	2072.	5.171
589.	10.16	2073.	5.187
590.	10.16	2074.	5.203
591.	10.18	2075.	5.186
592.	10.19	2076.	5.162
593.	10.2	2077.	5.195
594.	10.18	2078.	5.193
595.	10.17	2079.	5.145
596.	10.23	2080.	5.166
597.	10.19	2081.	5.18
598.	10.22	2082.	5.151
599.	10.23	2083.	5.14
600.	10.25	2084.	5.106
601.	10.25	2085.	5.157
602.	10.27	2086.	5.162
603.	10.25	2087.	5.136
604.	10.26	2088.	5.173
605.	10.28	2089.	5.128
606.	10.25	2090.	5.121
607.	10.28	2091.	5.14
608.	10.33	2092.	5.106
609.	10.31	2093.	5.103
610.	10.3	2094.	5.099
611.	10.33	2095.	5.129
612.	10.34	2096.	5.11
613.	10.32	2097.	5.117
614.	10.37	2098.	5.09
615.	10.37	2099.	5.079
616.	10.35	2100.	5.08
617.	10.38	2101.	5.112
618.	10.36	2102.	5.066
619.	10.39	2103.	5.037
620.	10.37	2104.	5.074
621.	10.38	2105.	5.07
622.	10.42	2106.	5.046
623.	10.39	2107.	5.048
624.	10.41	2108.	5.059
625.	10.44	2109.	5.016
626.	10.44	2110.	5.044

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	10.44	2111.	5.022
628.	10.44	2112.	5.033
629.	10.46	2113.	5.015
630.	10.45	2114.	5.048
631.	10.43	2115.	5.051
632.	10.48	2116.	5.023
633.	10.47	2117.	5.009
634.	10.49	2118.	5.001
635.	10.47	2119.	5.048
636.	10.5	2120.	4.996
637.	10.51	2121.	4.968
638.	10.51	2122.	4.967
639.	10.52	2123.	4.977
640.	10.54	2124.	4.992
641.	10.5	2125.	4.963
642.	10.52	2126.	4.974
643.	10.56	2127.	4.963
644.	10.56	2128.	4.974
645.	10.57	2129.	4.965
646.	10.55	2130.	4.998
647.	10.6	2131.	4.963
648.	10.58	2132.	4.948
649.	10.6	2133.	4.973
650.	10.6	2134.	4.924
651.	10.62	2135.	4.934
652.	10.6	2136.	4.939
653.	10.61	2137.	4.952
654.	10.58	2138.	4.936
655.	10.62	2139.	4.941
656.	10.62	2140.	4.929
657.	10.65	2141.	4.917
658.	10.64	2142.	4.94
659.	10.61	2143.	4.929
660.	10.68	2144.	4.907
661.	10.65	2145.	4.898
662.	10.68	2146.	4.9
663.	10.67	2147.	4.907
664.	10.68	2148.	4.877
665.	10.71	2149.	4.886
666.	10.7	2150.	4.866
667.	10.72	2151.	4.903
668.	10.73	2152.	4.884
669.	10.73	2153.	4.888
670.	10.74	2154.	4.877
671.	10.75	2155.	4.86
672.	10.73	2156.	4.863
673.	10.76	2157.	4.885
674.	10.75	2158.	4.846
675.	10.74	2159.	4.844
676.	10.8	2160.	4.848
677.	10.8	2161.	4.844
678.	10.77	2162.	4.845
679.	10.81	2163.	4.859
680.	10.81	2164.	4.863
681.	10.81	2165.	4.828
682.	10.81	2166.	4.802
683.	10.81	2167.	4.82
684.	10.81	2168.	4.804
685.	10.79	2169.	4.8
686.	10.81	2170.	4.828
687.	10.82	2171.	4.804
688.	10.85	2172.	4.787
689.	10.84	2173.	4.783
690.	10.87	2174.	4.786
691.	10.86	2175.	4.769
692.	10.88	2176.	4.813

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	10.84	2177.	4.787
694.	10.89	2178.	4.763
695.	10.91	2179.	4.796
696.	10.91	2180.	4.743
697.	10.89	2181.	4.763
698.	10.9	2182.	4.757
699.	10.91	2183.	4.755
700.	10.92	2184.	4.742
701.	10.96	2185.	4.786
702.	10.92	2186.	4.758
703.	10.96	2187.	4.769
704.	10.98	2188.	4.773
705.	10.96	2189.	4.724
706.	11.	2190.	4.716
707.	10.95	2191.	4.748
708.	10.98	2192.	4.749
709.	10.99	2193.	4.722
710.	11.	2194.	4.741
711.	10.99	2195.	4.717
712.	11.02	2196.	4.702
713.	11.04	2197.	4.748
714.	11.02	2198.	4.697
715.	11.05	2199.	4.702
716.	11.05	2200.	4.71
717.	11.02	2201.	4.695
718.	11.03	2202.	4.677
719.	11.07	2203.	4.722
720.	11.06	2204.	4.704
721.	11.05	2205.	4.716
722.	11.09	2206.	4.67
723.	11.07	2207.	4.648
724.	11.07	2208.	4.677
725.	11.1	2209.	4.653
726.	11.1	2210.	4.673
727.	11.1	2211.	4.667
728.	11.09	2212.	4.637
729.	11.08	2213.	4.673
730.	11.13	2214.	4.642
731.	11.14	2215.	4.65
732.	11.11	2216.	4.657
733.	11.16	2217.	4.639
734.	11.14	2218.	4.667
735.	11.08	2219.	4.661
736.	11.17	2220.	4.635
737.	11.15	2221.	4.638
738.	11.17	2222.	4.654
739.	11.15	2223.	4.628
740.	11.2	2224.	4.615
741.	11.2	2225.	4.617
742.	11.14	2226.	4.615
743.	11.19	2227.	4.647
744.	11.21	2228.	4.618
745.	11.2	2229.	4.587
746.	11.22	2230.	4.562
747.	11.24	2231.	4.599
748.	11.24	2232.	4.611
749.	11.24	2233.	4.585
750.	11.24	2234.	4.599
751.	11.26	2235.	4.564
752.	11.25	2236.	4.6
753.	11.27	2237.	4.579
754.	11.26	2238.	4.597
755.	11.3	2239.	4.576
756.	11.28	2240.	4.579
757.	11.29	2241.	4.544
758.	11.31	2242.	4.564

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	11.28	2243.	4.582
760.	11.28	2244.	4.564
761.	11.29	2245.	4.556
762.	11.3	2246.	4.556
763.	11.28	2247.	4.521
764.	11.32	2248.	4.524
765.	11.33	2249.	4.524
766.	11.35	2250.	4.513
767.	11.39	2251.	4.519
768.	11.38	2252.	4.56
769.	11.37	2253.	4.538
770.	11.37	2254.	4.509
771.	11.39	2255.	4.515
772.	11.38	2256.	4.525
773.	11.42	2257.	4.529
774.	11.38	2258.	4.513
775.	11.38	2259.	4.519
776.	11.44	2260.	4.529
777.	11.44	2261.	4.484
778.	11.42	2262.	4.494
779.	11.43	2263.	4.5
780.	11.45	2264.	4.515
781.	11.41	2265.	4.512
782.	11.42	2266.	4.48
783.	11.47	2267.	4.49
784.	11.46	2268.	4.49
785.	11.5	2269.	4.495
786.	11.46	2270.	4.492
787.	11.47	2271.	4.49
788.	11.48	2272.	4.488
789.	11.5	2273.	4.464
790.	11.5	2274.	4.486
791.	11.51	2275.	4.464
792.	11.52	2276.	4.48
793.	11.51	2277.	4.468
794.	11.51	2278.	4.48
795.	11.51	2279.	4.448
796.	11.55	2280.	4.429
797.	11.56	2281.	4.453
798.	11.54	2282.	4.453
799.	11.56	2283.	4.429
800.	11.53	2284.	4.456
801.	11.59	2285.	4.434
802.	11.6	2286.	4.418
803.	11.58	2287.	4.425
804.	11.57	2288.	4.448
805.	11.57	2289.	4.438
806.	11.59	2290.	4.429
807.	11.58	2291.	4.401
808.	11.59	2292.	4.422
809.	11.62	2293.	4.429
810.	11.64	2294.	4.409
811.	11.64	2295.	4.426
812.	11.6	2296.	4.407
813.	11.6	2297.	4.368
814.	11.64	2298.	4.377
815.	11.63	2299.	4.392
816.	11.67	2300.	4.386
817.	11.66	2301.	4.375
818.	11.66	2302.	4.414
819.	11.67	2303.	4.383
820.	11.67	2304.	4.393
821.	11.69	2305.	4.388
822.	11.67	2306.	4.367
823.	11.7	2307.	4.374
824.	11.66	2308.	4.372

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	11.71	2309.	4.361
826.	11.7	2310.	4.341
827.	11.72	2311.	4.353
828.	11.74	2312.	4.391
829.	11.75	2313.	4.358
830.	11.71	2314.	4.309
831.	11.73	2315.	4.369
832.	11.74	2316.	4.352
833.	11.73	2317.	4.333
834.	11.77	2318.	4.338
835.	11.74	2319.	4.337
836.	11.76	2320.	4.301
837.	11.75	2321.	4.292
838.	11.79	2322.	4.326
839.	11.79	2323.	4.326
840.	11.79	2324.	4.314
841.	11.81	2325.	4.34
842.	11.79	2326.	4.313
843.	11.78	2327.	4.304
844.	11.83	2328.	4.297
845.	11.75	2329.	4.265
846.	11.79	2330.	4.327
847.	11.83	2331.	4.28
848.	11.83	2332.	4.306
849.	11.82	2333.	4.297
850.	11.83	2334.	4.28
851.	11.85	2335.	4.259
852.	11.86	2336.	4.293
853.	11.82	2337.	4.291
854.	11.87	2338.	4.246
855.	11.87	2339.	4.295
856.	11.87	2340.	4.276
857.	11.86	2341.	4.282
858.	11.88	2342.	4.267
859.	11.87	2343.	4.31
860.	11.88	2344.	4.241
861.	11.88	2345.	4.212
862.	11.9	2346.	4.231
863.	11.91	2347.	4.265
864.	11.93	2348.	4.295
865.	11.91	2349.	4.231
866.	11.95	2350.	4.233
867.	11.93	2351.	4.246
868.	11.94	2352.	4.228
869.	11.97	2353.	4.267
870.	11.93	2354.	4.267
871.	11.93	2355.	4.206
872.	11.93	2356.	4.228
873.	11.99	2357.	4.247
874.	11.97	2358.	4.255
875.	11.97	2359.	4.198
876.	11.97	2360.	4.231
877.	11.99	2361.	4.171
878.	12.01	2362.	4.205
879.	11.99	2363.	4.221
880.	12.	2364.	4.206
881.	11.99	2365.	4.179
882.	12.02	2366.	4.212
883.	12.03	2367.	4.185
884.	12.	2368.	4.199
885.	12.03	2369.	4.206
886.	12.06	2370.	4.179
887.	12.04	2371.	4.179
888.	12.04	2372.	4.206
889.	12.07	2373.	4.185
890.	12.1	2374.	4.186

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	12.09	2375.	4.192
892.	12.03	2376.	4.165
893.	12.04	2377.	4.167
894.	12.07	2378.	4.189
895.	12.05	2379.	4.178
896.	12.11	2380.	4.178
897.	12.1	2381.	4.128
898.	12.13	2382.	4.167
899.	12.08	2383.	4.167
900.	12.14	2384.	4.185
901.	12.09	2385.	4.119
902.	12.11	2386.	4.111
903.	12.11	2387.	4.151
904.	12.13	2388.	4.153
905.	12.11	2389.	4.148
906.	12.14	2390.	4.159
907.	12.14	2391.	4.104
908.	12.16	2392.	4.127
909.	12.15	2393.	4.096
910.	12.16	2394.	4.103
911.	12.17	2395.	4.096
912.	12.14	2396.	4.096
913.	12.17	2397.	4.096
914.	12.2	2398.	4.119
915.	12.17	2399.	4.111
916.	12.19	2400.	4.111
917.	12.22	2401.	4.111
918.	12.19	2402.	4.107
919.	12.2	2403.	4.124
920.	12.23	2404.	4.118
921.	12.2	2405.	4.1
922.	12.22	2406.	4.121
923.	12.21	2407.	4.092
924.	12.24	2408.	4.081
925.	12.26	2409.	4.068
926.	12.24	2410.	4.065
927.	12.24	2411.	4.063
928.	12.24	2412.	4.078
929.	12.27	2413.	4.053
930.	12.26	2414.	4.051
931.	12.28	2415.	4.058
932.	12.26	2416.	4.063
933.	12.3	2417.	4.046
934.	12.29	2418.	4.047
935.	12.24	2419.	4.053
936.	12.32	2420.	4.094
937.	12.3	2421.	4.021
938.	12.31	2422.	4.036
939.	12.31	2423.	4.046
940.	12.32	2424.	4.058
941.	12.29	2425.	4.037
942.	12.34	2426.	4.042
943.	12.31	2427.	4.046
944.	12.33	2428.	3.998
945.	12.38	2429.	4.053
946.	12.35	2430.	4.021
947.	12.35	2431.	4.03
948.	12.36	2432.	4.02
949.	12.37	2433.	3.983
950.	12.35	2434.	4.025
951.	12.38	2435.	4.006
952.	12.37	2436.	4.012
953.	12.38	2437.	4.017
954.	12.36	2438.	4.012
955.	12.4	2439.	3.99
956.	12.41	2440.	4.022

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	12.41	2441.	3.98
958.	12.42	2442.	3.988
959.	12.36	2443.	3.97
960.	12.39	2444.	3.986
961.	12.41	2445.	3.983
962.	12.42	2446.	3.961
963.	12.44	2447.	3.983
964.	12.43	2448.	3.999
965.	12.43	2449.	3.981
966.	12.44	2450.	3.986
967.	12.43	2451.	3.953
968.	12.44	2452.	3.983
969.	12.44	2453.	3.969
970.	12.46	2454.	3.942
971.	12.45	2455.	3.975
972.	12.47	2456.	3.947
973.	12.49	2457.	3.977
974.	12.49	2458.	3.963
975.	12.5	2459.	3.947
976.	12.49	2460.	3.956
977.	12.49	2461.	3.947
978.	12.52	2462.	3.957
979.	12.5	2463.	3.985
980.	12.48	2464.	3.968
981.	12.51	2465.	3.942
982.	12.54	2466.	3.919
983.	12.53	2467.	3.94
984.	12.5	2468.	3.931
985.	12.54	2469.	3.935
986.	12.53	2470.	3.929
987.	12.55	2471.	3.903
988.	12.52	2472.	3.918
989.	12.52	2473.	3.93
990.	12.57	2474.	3.875
991.	12.56	2475.	3.933
992.	12.55	2476.	3.898
993.	12.55	2477.	3.89
994.	12.6	2478.	3.891
995.	12.59	2479.	3.893
996.	12.56	2480.	3.906
997.	12.57	2481.	3.923
998.	12.58	2482.	3.903
999.	12.58	2483.	3.882
1000.	12.59	2484.	3.873
1001.	12.58	2485.	3.864
1002.	12.61	2486.	3.894
1003.	12.62	2487.	3.901
1004.	12.61	2488.	3.89
1005.	12.61	2489.	3.889
1006.	12.63	2490.	3.893
1007.	12.61	2491.	3.872
1008.	12.62	2492.	3.881
1009.	12.63	2493.	3.854
1010.	12.63	2494.	3.845
1011.	12.66	2495.	3.86
1012.	12.65	2496.	3.848
1013.	12.63	2497.	3.856
1014.	12.71	2498.	3.864
1015.	12.67	2499.	3.833
1016.	12.66	2500.	3.86
1017.	12.68	2501.	3.824
1018.	12.66	2502.	3.859
1019.	12.67	2503.	3.848
1020.	12.67	2504.	3.818
1021.	12.7	2505.	3.8
1022.	12.69	2506.	3.851

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	12.69	2507.	3.83
1024.	12.7	2508.	3.799
1025.	12.73	2509.	3.82
1026.	12.71	2510.	3.807
1027.	12.74	2511.	3.824
1028.	12.71	2512.	3.796
1029.	12.73	2513.	3.808
1030.	12.71	2514.	3.833
1031.	12.71	2515.	3.799
1032.	12.75	2516.	3.79
1033.	12.72	2517.	3.8
1034.	12.75	2518.	3.796
1035.	12.76	2519.	3.799
1036.	12.76	2520.	3.793
1037.	12.77	2521.	3.776
1038.	12.77	2522.	3.783
1039.	12.78	2523.	3.777
1040.	12.75	2524.	3.776
1041.	12.73	2525.	3.799
1042.	12.81	2526.	3.79
1043.	12.77	2527.	3.767
1044.	12.79	2528.	3.742
1045.	12.77	2529.	3.775
1046.	12.81	2530.	3.773
1047.	12.81	2531.	3.808
1048.	12.81	2532.	3.765
1049.	12.8	2533.	3.765
1050.	12.81	2534.	3.767
1051.	12.84	2535.	3.79
1052.	12.84	2536.	3.728
1053.	12.83	2537.	3.731
1054.	12.83	2538.	3.759
1055.	12.82	2539.	3.746
1056.	12.81	2540.	3.758
1057.	12.85	2541.	3.767
1058.	12.83	2542.	3.736
1059.	12.88	2543.	3.74
1060.	12.88	2544.	3.735
1061.	12.86	2545.	3.734
1062.	12.86	2546.	3.735
1063.	12.87	2547.	3.718
1064.	12.86	2548.	3.742
1065.	12.88	2549.	3.703
1066.	12.87	2550.	3.704
1067.	12.88	2551.	3.71
1068.	12.91	2552.	3.715
1069.	12.91	2553.	3.705
1070.	12.93	2554.	3.711
1071.	12.86	2555.	3.723
1072.	12.93	2556.	3.686
1073.	12.92	2557.	3.677
1074.	12.94	2558.	3.736
1075.	12.91	2559.	3.71
1076.	12.94	2560.	3.676
1077.	12.93	2561.	3.661
1078.	12.96	2562.	3.677
1079.	12.96	2563.	3.664
1080.	12.95	2564.	3.671
1081.	12.92	2565.	3.677
1082.	12.97	2566.	3.698
1083.	12.97	2567.	3.656
1084.	12.95	2568.	3.673
1085.	12.95	2569.	3.704
1086.	12.97	2570.	3.657
1087.	12.96	2571.	3.68
1088.	13.02	2572.	3.667

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	12.96	2573.	3.654
1090.	13.02	2574.	3.63
1091.	12.99	2575.	3.665
1092.	12.99	2576.	3.684
1093.	12.99	2577.	3.647
1094.	12.99	2578.	3.649
1095.	12.98	2579.	3.68
1096.	12.99	2580.	3.627
1097.	13.01	2581.	3.644
1098.	12.98	2582.	3.624
1099.	13.03	2583.	3.661
1100.	13.02	2584.	3.666
1101.	13.05	2585.	3.61
1102.	13.04	2586.	3.654
1103.	13.04	2587.	3.633
1104.	13.04	2588.	3.629
1105.	13.04	2589.	3.638
1106.	13.02	2590.	3.582
1107.	13.05	2591.	3.654
1108.	13.02	2592.	3.627
1109.	13.05	2593.	3.624
1110.	13.07	2594.	3.629
1111.	13.02	2595.	3.639
1112.	13.09	2596.	3.602
1113.	13.08	2597.	3.602
1114.	13.08	2598.	3.589
1115.	13.08	2599.	3.586
1116.	13.08	2600.	3.602
1117.	13.06	2601.	3.624
1118.	13.1	2602.	3.618
1119.	13.1	2603.	3.602
1120.	13.12	2604.	3.602
1121.	13.11	2605.	3.609
1122.	13.12	2606.	3.58
1123.	13.08	2607.	3.571
1124.	13.12	2608.	3.577
1125.	13.13	2609.	3.573
1126.	13.11	2610.	3.596
1127.	13.13	2611.	3.574
1128.	13.14	2612.	3.56
1129.	13.14	2613.	3.589
1130.	13.16	2614.	3.554
1131.	13.15	2615.	3.562
1132.	13.18	2616.	3.566
1133.	13.14	2617.	3.557
1134.	13.15	2618.	3.553
1135.	13.14	2619.	3.566
1136.	13.17	2620.	3.563
1137.	13.19	2621.	3.523
1138.	13.19	2622.	3.547
1139.	13.19	2623.	3.547
1140.	13.19	2624.	3.557
1141.	13.22	2625.	3.525
1142.	13.18	2626.	3.563
1143.	13.19	2627.	3.544
1144.	13.23	2628.	3.559
1145.	13.24	2629.	3.537
1146.	13.22	2630.	3.55
1147.	13.21	2631.	3.516
1148.	13.22	2632.	3.53
1149.	13.24	2633.	3.535
1150.	13.23	2634.	3.537
1151.	13.24	2635.	3.529
1152.	13.21	2636.	3.522
1153.	13.22	2637.	3.52
1154.	13.2	2638.	3.496

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	13.23	2639.	3.514
1156.	13.28	2640.	3.518
1157.	13.25	2641.	3.499
1158.	13.22	2642.	3.515
1159.	13.25	2643.	3.499
1160.	13.3	2644.	3.502
1161.	13.27	2645.	3.486
1162.	13.28	2646.	3.507
1163.	13.28	2647.	3.486
1164.	13.24	2648.	3.552
1165.	13.29	2649.	3.503
1166.	13.3	2650.	3.503
1167.	13.31	2651.	3.502
1168.	13.32	2652.	3.469
1169.	13.28	2653.	3.505
1170.	13.3	2654.	3.502
1171.	13.31	2655.	3.42
1172.	13.31	2656.	3.467
1173.	13.33	2657.	3.487
1174.	13.28	2658.	3.487
1175.	13.31	2659.	3.463
1176.	13.31	2660.	3.471
1177.	13.35	2661.	3.497
1178.	13.34	2662.	3.463
1179.	13.34	2663.	3.481
1180.	13.34	2664.	3.475
1181.	13.33	2665.	3.457
1182.	13.33	2666.	3.426
1183.	13.35	2667.	3.434
1184.	13.35	2668.	3.426
1185.	13.37	2669.	3.457
1186.	13.34	2670.	3.434
1187.	13.33	2671.	3.455
1188.	13.35	2672.	3.447
1189.	13.36	2673.	3.436
1190.	13.36	2674.	3.434
1191.	13.38	2675.	3.433
1192.	13.37	2676.	3.409
1193.	13.35	2677.	3.441
1194.	13.39	2678.	3.443
1195.	13.4	2679.	3.417
1196.	13.34	2680.	3.435
1197.	13.39	2681.	3.426
1198.	13.38	2682.	3.402
1199.	13.34	2683.	3.43
1200.	13.38	2684.	3.434
1201.	13.37	2685.	3.387
1202.	13.36	2686.	3.407
1203.	13.38	2687.	3.429
1204.	13.36	2688.	3.403
1205.	13.38	2689.	3.399
1206.	13.36	2690.	3.393
1207.	13.4	2691.	3.417
1208.	13.36	2692.	3.348
1209.	13.36	2693.	3.409
1210.	13.36	2694.	3.393
1211.	13.34	2695.	3.371
1212.	13.37	2696.	3.387
1213.	13.37	2697.	3.408
1214.	13.36	2698.	3.368
1215.	13.36	2699.	3.386
1216.	13.39	2700.	3.355
1217.	13.35	2701.	3.398
1218.	13.34	2702.	3.373
1219.	13.38	2703.	3.382
1220.	13.37	2704.	3.384

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	13.36	2705.	3.353
1222.	13.34	2706.	3.357
1223.	13.32	2707.	3.388
1224.	13.35	2708.	3.374
1225.	13.37	2709.	3.361
1226.	13.34	2710.	3.338
1227.	13.34	2711.	3.38
1228.	13.38	2712.	3.382
1229.	13.38	2713.	3.369
1230.	13.35	2714.	3.355
1231.	13.36	2715.	3.33
1232.	13.33	2716.	3.355
1233.	13.35	2717.	3.348
1234.	13.34	2718.	3.368
1235.	13.31	2719.	3.325
1236.	13.31	2720.	3.356
1237.	13.35	2721.	3.333
1238.	13.34	2722.	3.337
1239.	13.34	2723.	3.345
1240.	13.34	2724.	3.343
1241.	13.32	2725.	3.308
1242.	13.36	2726.	3.325
1243.	13.36	2727.	3.321
1244.	13.35	2728.	3.329
1245.	13.36	2729.	3.327
1246.	13.37	2730.	3.302
1247.	13.36	2731.	3.313
1248.	13.37	2732.	3.331
1249.	13.35	2733.	3.337
1250.	13.37	2734.	3.327
1251.	13.35	2735.	3.287
1252.	13.35	2736.	3.296
1253.	13.34	2737.	3.317
1254.	13.38	2738.	3.264
1255.	13.36	2739.	3.296
1256.	13.38	2740.	3.286
1257.	13.37	2741.	3.296
1258.	13.41	2742.	3.317
1259.	13.4	2743.	3.308
1260.	13.38	2744.	3.299
1261.	13.41	2745.	3.319
1262.	13.41	2746.	3.272
1263.	13.38	2747.	3.291
1264.	13.42	2748.	3.272
1265.	13.39	2749.	3.285
1266.	13.4	2750.	3.277
1267.	13.41	2751.	3.275
1268.	13.44	2752.	3.274
1269.	13.42	2753.	3.283
1270.	13.43	2754.	3.242
1271.	13.41	2755.	3.291
1272.	13.46	2756.	3.241
1273.	13.47	2757.	3.264
1274.	13.47	2758.	3.274
1275.	13.46	2759.	3.275
1276.	13.46	2760.	3.253
1277.	13.47	2761.	3.247
1278.	13.47	2762.	3.242
1279.	13.46	2763.	3.244
1280.	13.46	2764.	3.264
1281.	13.46	2765.	3.259
1282.	13.49	2766.	3.248
1283.	13.46	2767.	3.243
1284.	13.51	2768.	3.232
1285.	13.47	2769.	3.242
1286.	13.51	2770.	3.226

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	13.5	2771.	3.243
1288.	13.5	2772.	3.225
1289.	13.51	2773.	3.192
1290.	13.52	2774.	3.226
1291.	13.55	2775.	3.242
1292.	13.51	2776.	3.192
1293.	13.5	2777.	3.22
1294.	13.52	2778.	3.203
1295.	13.53	2779.	3.209
1296.	13.55	2780.	3.196
1297.	13.52	2781.	3.233
1298.	13.56	2782.	3.189
1299.	13.53	2783.	3.199
1300.	13.53	2784.	3.187
1301.	13.54	2785.	3.189
1302.	13.58	2786.	3.22
1303.	13.57	2787.	3.239
1304.	13.58	2788.	3.185
1305.	13.56	2789.	3.201
1306.	13.58	2790.	3.186
1307.	13.6	2791.	3.217
1308.	13.58	2792.	3.193
1309.	13.61	2793.	3.164
1310.	13.57	2794.	3.195
1311.	13.62	2795.	3.211
1312.	13.6	2796.	3.169
1313.	13.61	2797.	3.179
1314.	13.64	2798.	3.174
1315.	13.61	2799.	3.193
1316.	13.63	2800.	3.159
1317.	13.63	2801.	3.188
1318.	13.63	2802.	3.174
1319.	13.65	2803.	3.193
1320.	13.61	2804.	3.169
1321.	13.66	2805.	3.184
1322.	13.62	2806.	3.165
1323.	13.66	2807.	3.176
1324.	13.68	2808.	3.153
1325.	13.64	2809.	3.147
1326.	13.68	2810.	3.153
1327.	13.69	2811.	3.143
1328.	13.65	2812.	3.14
1329.	13.71	2813.	3.143
1330.	13.7	2814.	3.179
1331.	13.7	2815.	3.151
1332.	13.69	2816.	3.145
1333.	13.7	2817.	3.168
1334.	13.69	2818.	3.144
1335.	13.71	2819.	3.164
1336.	13.72	2820.	3.133
1337.	13.71	2821.	3.14
1338.	13.72	2822.	3.109
1339.	13.73	2823.	3.153
1340.	13.73	2824.	3.136
1341.	13.74	2825.	3.136
1342.	13.72	2826.	3.113
1343.	13.74	2827.	3.135
1344.	13.7	2828.	3.136
1345.	13.76	2829.	3.134
1346.	13.79	2830.	3.125
1347.	13.72	2831.	3.128
1348.	13.74	2832.	3.136
1349.	13.77	2833.	3.137
1350.	13.79	2834.	3.109
1351.	13.78	2835.	3.119
1352.	13.78	2836.	3.085

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	13.74	2837.	3.124
1354.	13.76	2838.	3.116
1355.	13.74	2839.	3.121
1356.	13.81	2840.	3.129
1357.	13.79	2841.	3.059
1358.	13.81	2842.	3.108
1359.	13.79	2843.	3.109
1360.	13.78	2844.	3.125
1361.	13.83	2845.	3.11
1362.	13.8	2846.	3.099
1363.	13.82	2847.	3.103
1364.	13.82	2848.	3.094
1365.	13.82	2849.	3.091
1366.	13.84	2850.	3.109
1367.	13.87	2851.	3.068
1368.	13.82	2852.	3.063
1369.	13.83	2853.	3.09
1370.	13.83	2854.	3.099
1371.	13.86	2855.	3.13
1372.	13.84	2856.	3.05
1373.	13.84	2857.	3.06
1374.	13.86	2858.	3.062
1375.	13.84	2859.	3.074
1376.	13.87	2860.	3.048
1377.	13.86	2861.	3.063
1378.	13.87	2862.	3.082
1379.	13.88	2863.	3.081
1380.	13.89	2864.	3.06
1381.	13.91	2865.	3.06
1382.	13.89	2866.	3.026
1383.	13.89	2867.	3.062
1384.	13.91	2868.	3.083
1385.	13.94	2869.	3.053
1386.	13.87	2870.	3.064
1387.	13.9	2871.	3.053
1388.	13.89	2872.	3.052
1389.	13.94	2873.	3.039
1390.	13.89	2874.	3.048
1391.	13.93	2875.	3.037
1392.	13.92	2876.	3.021
1393.	13.93	2877.	3.031
1394.	13.94	2878.	3.075
1395.	13.91	2879.	3.022
1396.	13.94	2880.	3.017
1397.	13.95	2881.	3.01
1398.	13.97	2882.	3.022
1399.	13.97	2883.	3.039
1400.	13.96	2884.	3.029
1401.	13.98	2885.	3.026
1402.	13.96	2886.	3.027
1403.	13.97	2887.	3.027
1404.	13.97	2888.	3.02
1405.	13.95	2889.	3.009
1406.	13.99	2890.	3.022
1407.	14.	2891.	3.022
1408.	13.99	2892.	3.007
1409.	14.	2893.	3.032
1410.	13.96	2894.	3.011
1411.	13.97	2895.	3.034
1412.	14.01	2896.	2.99
1413.	13.99	2897.	3.009
1414.	14.03	2898.	3.012
1415.	14.	2899.	3.011
1416.	14.	2900.	3.017
1417.	14.03	2901.	3.006
1418.	14.04	2902.	2.998

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	14.	2903.	3.039
1420.	14.04	2904.	3.006
1421.	14.04	2905.	2.986
1422.	14.04	2906.	2.977
1423.	14.02	2907.	2.99
1424.	14.06	2908.	3.001
1425.	14.07	2909.	2.995
1426.	14.06	2910.	2.989
1427.	14.08	2911.	2.998
1428.	14.03	2912.	2.987
1429.	14.06	2913.	2.979
1430.	14.1	2914.	2.98
1431.	14.08	2915.	2.982
1432.	14.07	2916.	2.979
1433.	14.1	2917.	2.986
1434.	14.11	2918.	3.006
1435.	14.09	2919.	2.965
1436.	14.09	2920.	2.962
1437.	14.14	2921.	2.979
1438.	14.1	2922.	2.95
1439.	14.1	2923.	3.014
1440.	14.1	2924.	2.979
1441.	14.12	2925.	2.991
1442.	14.1	2926.	2.979
1443.	14.11	2927.	2.996
1444.	14.12	2928.	2.963
1445.	14.13	2929.	2.982
1446.	14.08	2930.	2.962
1447.	14.11	2931.	2.94
1448.	14.11	2932.	2.928
1449.	14.07	2933.	2.961
1450.	14.07	2934.	2.962
1451.	14.07	2935.	2.962
1452.	14.02	2936.	2.95
1453.	13.98	2937.	2.991
1454.	13.95	2938.	2.958
1455.	13.9	2939.	2.94
1456.	13.91	2940.	2.95
1457.	13.85	2941.	2.961
1458.	13.81	2942.	2.936
1459.	13.78	2943.	2.957
1460.	13.71	2944.	2.951
1461.	13.66	2945.	2.947
1462.	13.61	2946.	2.94
1463.	13.62	2947.	2.94
1464.	13.54	2948.	2.94
1465.	13.51	2949.	2.936
1466.	13.45	2950.	2.929
1467.	13.44	2951.	2.927
1468.	13.38	2952.	2.9
1469.	13.3	2953.	2.951
1470.	13.3	2954.	2.92
1471.	13.25	2955.	2.923
1472.	13.21	2956.	2.912
1473.	13.16	2957.	2.924
1474.	13.11	2958.	2.909
1475.	13.03	2959.	2.948
1476.	13.04	2960.	2.888
1477.	12.96	2961.	2.914
1478.	12.95	2962.	2.902
1479.	12.91	2963.	2.949
1480.	12.84	2964.	2.913
1481.	12.81	2965.	2.908
1482.	12.78	2966.	2.928
1483.	12.74	2967.	2.925
1484.	12.69		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1269.7	ft^2/day
S	0.0001418	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.87 ft/day (0.005599 cm/sec)
Ss = S/b = 1.772E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1254.4	1.008	+/- 1.977	1243.9	ft^2/day
S	0.0001663	2.772E-7	+/- 5.436E-7	599.8	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.68 ft/day (0.005531 cm/sec)
Ss = S/b = 2.078E-6 1/ft

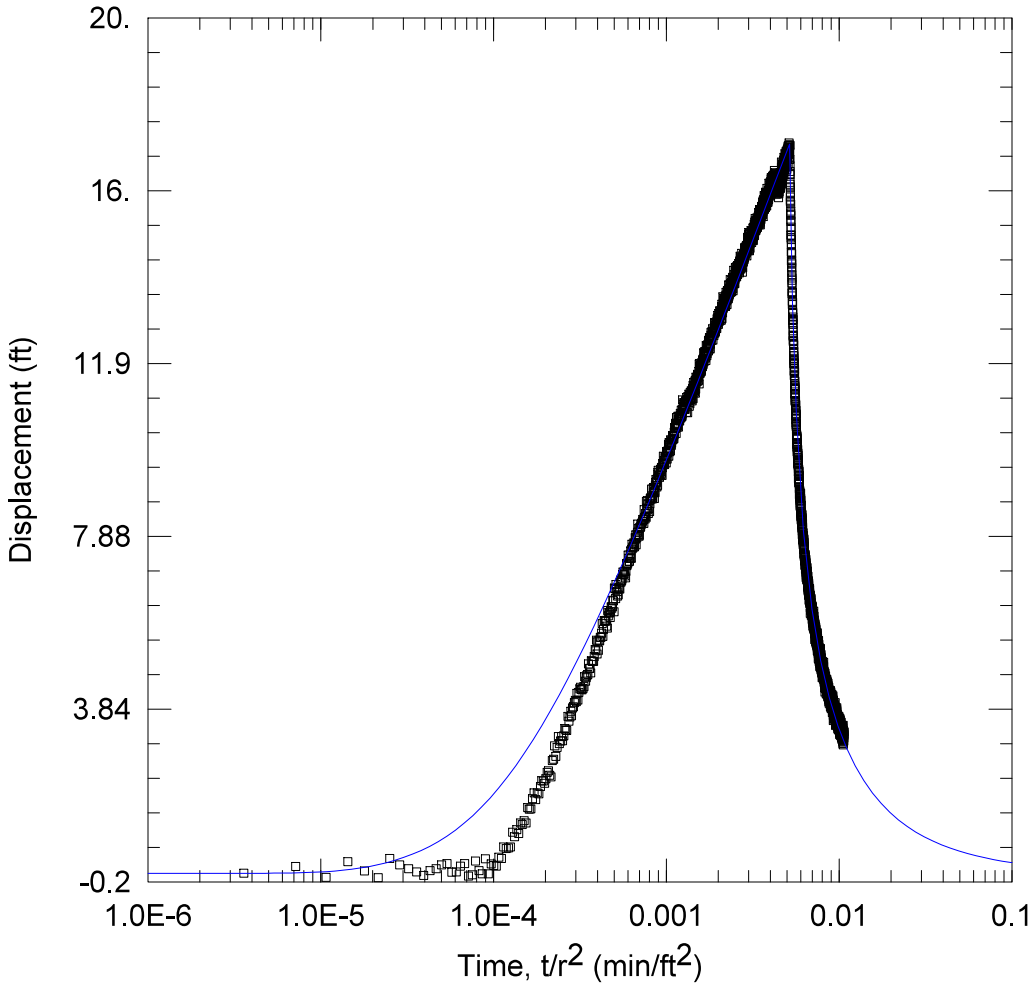
Parameter Correlations

	T	S
T	1.00	-0.80
S	-0.80	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 76.45 ft^2
Variance . . . . . 0.02578 ft^2
Std. Deviation . . . . . 0.1606 ft
Mean . . . . . -0.03729 ft
No. of Residuals 2967
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW8.aqt
Date: 04/11/25 Time: 12:03:08

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW8	1637	515

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1228.6 ft^2/day
S = 0.0001271
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:08:38

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW8

X Location: 1637. ft
Y Location: 515. ft

Radial distance from BM 1B: 527.9867423 ft
Radial distance from BM2A: 406.1329831 ft
Radial distance from BM3: 1001.007492 ft
Radial distance from BM 4 : 854.3968633 ft
Radial distance from BM5: 992.8106567 ft
Radial distance from BM 6: 997.221139 ft
Radial distance from BM7: 870.2011262 ft
Radial distance from BM9: 1049.668995 ft

Fully Penetrating Well

No. of Observations: 2974

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.004865	1488.	13.99
2.	0.158	1489.	13.81
3.	-0.09477	1490.	13.86
4.	0.2745	1491.	13.55
5.	0.0531	1492.	13.77
6.	-0.1047	1493.	13.58
7.	0.3426	1494.	13.59
8.	0.1946	1495.	13.59
9.	0.11	1496.	13.5
10.	0.03143	1497.	13.29
11.	-0.05189	1498.	13.37
12.	0.06322	1499.	13.35
13.	0.1102	1500.	13.08
14.	0.2	1501.	13.11
15.	0.2264	1502.	12.94
16.	0.02681	1503.	13.16
17.	0.03164	1504.	12.92
18.	0.1686	1505.	13.12
19.	0.2265	1506.	12.95
20.	-0.06831	1507.	13.01
21.	-0.03182	1508.	12.95
22.	0.2841	1509.	12.83
23.	0.0628	1510.	12.87
24.	-0.01548	1511.	12.76
25.	0.337	1512.	12.68
26.	-0.01064	1513.	12.55
27.	0.2209	1514.	12.57
28.	0.1843	1515.	12.55
29.	0.1684	1516.	12.58
30.	0.3732	1517.	12.46
31.	0.3475	1518.	12.43
32.	0.6152	1519.	12.44

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.5788	1520.	12.16
34.	0.5947	1521.	12.38
35.	0.615	1522.	12.35
36.	0.9624	1523.	12.35
37.	0.8572	1524.	12.11
38.	1.021	1525.	12.11
39.	0.926	1526.	12.19
40.	1.178	1527.	11.98
41.	1.142	1528.	12.04
42.	1.232	1529.	11.93
43.	1.179	1530.	12.
44.	1.535	1531.	11.92
45.	1.499	1532.	11.91
46.	1.505	1533.	11.94
47.	1.742	1534.	11.63
48.	1.878	1535.	11.74
49.	1.72	1536.	11.85
50.	1.878	1537.	11.73
51.	1.857	1538.	11.76
52.	2.031	1539.	11.72
53.	2.163	1540.	11.79
54.	2.157	1541.	11.63
55.	2.105	1542.	11.53
56.	2.21	1543.	11.52
57.	2.357	1544.	11.44
58.	2.394	1545.	11.4
59.	2.288	1546.	11.5
60.	2.252	1547.	11.33
61.	2.636	1548.	11.35
62.	2.662	1549.	11.21
63.	2.978	1550.	11.37
64.	2.731	1551.	11.2
65.	2.941	1552.	11.2
66.	3.199	1553.	11.31
67.	3.031	1554.	11.05
68.	3.089	1555.	11.03
69.	3.199	1556.	11.05
70.	3.099	1557.	11.11
71.	3.21	1558.	10.97
72.	3.383	1559.	11.
73.	3.351	1560.	11.04
74.	3.34	1561.	10.92
75.	3.667	1562.	11.05
76.	3.557	1563.	10.86
77.	3.651	1564.	10.9
78.	3.788	1565.	10.95
79.	3.683	1566.	10.71
80.	3.862	1567.	10.83
81.	3.894	1568.	10.82
82.	3.993	1569.	10.69
83.	4.046	1570.	10.61
84.	4.01	1571.	10.74
85.	4.204	1572.	10.75
86.	4.052	1573.	10.53
87.	4.231	1574.	10.7
88.	4.314	1575.	10.53
89.	4.352	1576.	10.45
90.	4.293	1577.	10.49
91.	4.288	1578.	10.49
92.	4.32	1579.	10.4
93.	4.367	1580.	10.39
94.	4.594	1581.	10.49
95.	4.488	1582.	10.49
96.	4.572	1583.	10.37
97.	4.62	1584.	10.22
98.	4.646	1585.	10.23

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	4.893	1586.	10.26
100.	4.793	1587.	10.16
101.	4.794	1588.	10.03
102.	4.683	1589.	10.23
103.	4.972	1590.	10.15
104.	4.951	1591.	10.18
105.	4.951	1592.	10.19
106.	4.952	1593.	10.02
107.	5.067	1594.	9.859
108.	5.23	1595.	10.07
109.	5.199	1596.	10.06
110.	5.451	1597.	9.97
111.	5.13	1598.	9.954
112.	5.409	1599.	9.912
113.	5.215	1600.	9.97
114.	5.451	1601.	10.06
115.	5.436	1602.	9.796
116.	5.519	1603.	9.823
117.	5.514	1604.	9.917
118.	5.614	1605.	9.827
119.	5.835	1606.	9.912
120.	5.54	1607.	9.828
121.	5.703	1608.	9.791
122.	5.903	1609.	9.717
123.	5.908	1610.	9.596
124.	5.888	1611.	9.58
125.	5.914	1612.	9.543
126.	5.777	1613.	9.706
127.	5.735	1614.	9.654
128.	6.145	1615.	9.675
129.	6.019	1616.	9.775
130.	6.103	1617.	9.649
131.	6.088	1618.	9.564
132.	5.982	1619.	9.612
133.	6.114	1620.	9.38
134.	6.224	1621.	9.396
135.	6.198	1622.	9.448
136.	6.234	1623.	9.228
137.	6.387	1624.	9.591
138.	6.372	1625.	9.485
139.	6.114	1626.	9.454
140.	6.666	1627.	9.307
141.	6.65	1628.	9.396
142.	6.419	1629.	9.291
143.	6.75	1630.	9.307
144.	6.634	1631.	9.386
145.	6.582	1632.	9.133
146.	6.482	1633.	9.407
147.	6.514	1634.	9.191
148.	6.676	1635.	9.16
149.	6.65	1636.	9.296
150.	6.645	1637.	9.206
151.	6.803	1638.	9.286
152.	6.855	1639.	9.312
153.	6.808	1640.	9.022
154.	6.851	1641.	8.985
155.	6.887	1642.	9.144
156.	6.981	1643.	9.091
157.	7.045	1644.	9.133
158.	6.992	1645.	9.112
159.	6.998	1646.	8.849
160.	7.055	1647.	8.849
161.	6.95	1648.	8.865
162.	6.908	1649.	8.923
163.	7.061	1650.	8.891
164.	7.239	1651.	8.938

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.192	1652.	8.959
166.	7.219	1653.	8.786
167.	7.25	1654.	8.802
168.	7.439	1655.	8.823
169.	7.366	1656.	8.718
170.	7.287	1657.	8.586
171.	7.298	1658.	8.859
172.	7.445	1659.	8.88
173.	7.361	1660.	8.897
174.	7.534	1661.	8.707
175.	7.361	1662.	8.659
176.	7.577	1663.	8.612
177.	7.692	1664.	8.796
178.	7.602	1665.	8.807
179.	7.613	1666.	8.644
180.	7.65	1667.	8.754
181.	7.729	1668.	8.886
182.	7.703	1669.	8.649
183.	7.634	1670.	8.601
184.	7.844	1671.	8.691
185.	7.813	1672.	8.765
186.	7.913	1673.	8.77
187.	7.681	1674.	8.454
188.	7.845	1675.	8.723
189.	7.929	1676.	8.608
190.	7.971	1677.	8.402
191.	8.165	1678.	8.454
192.	7.923	1679.	8.355
193.	8.06	1680.	8.539
194.	7.886	1681.	8.449
195.	7.908	1682.	8.318
196.	8.076	1683.	8.608
197.	8.092	1684.	8.328
198.	8.103	1685.	8.254
199.	8.15	1686.	8.407
200.	8.171	1687.	8.27
201.	8.186	1688.	8.333
202.	8.191	1689.	8.355
203.	8.239	1690.	8.149
204.	8.275	1691.	8.365
205.	8.281	1692.	8.191
206.	8.281	1693.	8.302
207.	8.186	1694.	8.239
208.	8.502	1695.	8.297
209.	8.329	1696.	8.176
210.	8.286	1697.	8.396
211.	8.412	1698.	8.37
212.	8.35	1699.	8.265
213.	8.329	1700.	8.086
214.	8.697	1701.	8.071
215.	8.512	1702.	8.128
216.	8.539	1703.	8.17
217.	8.497	1704.	8.255
218.	8.712	1705.	8.313
219.	8.639	1706.	8.154
220.	8.412	1707.	7.997
221.	8.528	1708.	7.918
222.	8.707	1709.	8.217
223.	8.454	1710.	8.27
224.	8.634	1711.	8.18
225.	8.76	1712.	8.097
226.	8.755	1713.	8.039
227.	8.781	1714.	7.802
228.	8.77	1715.	7.959
229.	8.986	1716.	8.107
230.	8.823	1717.	7.902

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	8.76	1718.	8.071
232.	8.76	1719.	7.886
233.	8.781	1720.	7.839
234.	9.001	1721.	7.807
235.	8.902	1722.	7.828
236.	9.018	1723.	7.765
237.	8.975	1724.	7.802
238.	8.77	1725.	7.912
239.	8.928	1726.	7.681
240.	8.902	1727.	7.959
241.	9.065	1728.	7.713
242.	9.139	1729.	7.802
243.	9.206	1730.	7.886
244.	9.134	1731.	7.886
245.	9.17	1732.	7.818
246.	9.039	1733.	7.787
247.	9.223	1734.	7.886
248.	9.076	1735.	7.807
249.	9.375	1736.	7.776
250.	9.334	1737.	7.576
251.	9.423	1738.	7.66
252.	9.291	1739.	7.75
253.	9.307	1740.	7.596
254.	9.286	1741.	7.823
255.	9.26	1742.	7.649
256.	9.302	1743.	7.807
257.	9.397	1744.	7.697
258.	9.444	1745.	7.602
259.	9.397	1746.	7.665
260.	9.318	1747.	7.749
261.	9.496	1748.	7.729
262.	9.354	1749.	7.644
263.	9.486	1750.	7.612
264.	9.302	1751.	7.407
265.	9.48	1752.	7.465
266.	9.575	1753.	7.481
267.	9.554	1754.	7.465
268.	9.749	1755.	7.455
269.	9.554	1756.	7.571
270.	9.644	1757.	7.476
271.	9.56	1758.	7.633
272.	9.617	1759.	7.439
273.	9.56	1760.	7.481
274.	9.744	1761.	7.481
275.	9.707	1762.	7.423
276.	9.743	1763.	7.302
277.	9.68	1764.	7.308
278.	9.734	1765.	7.46
279.	9.596	1766.	7.428
280.	9.854	1767.	7.202
281.	9.802	1768.	7.46
282.	9.686	1769.	7.344
283.	9.838	1770.	7.455
284.	9.859	1771.	7.313
285.	9.869	1772.	7.402
286.	9.855	1773.	7.376
287.	10.02	1774.	7.35
288.	9.944	1775.	7.402
289.	9.754	1776.	7.281
290.	10.06	1777.	7.434
291.	10.	1778.	7.297
292.	9.859	1779.	7.244
293.	9.912	1780.	7.323
294.	10.07	1781.	7.239
295.	9.88	1782.	7.108
296.	10.13	1783.	7.197

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	10.09	1784.	7.249
298.	10.01	1785.	7.371
299.	10.07	1786.	7.281
300.	10.06	1787.	7.218
301.	10.12	1788.	7.334
302.	10.14	1789.	7.165
303.	10.2	1790.	7.339
304.	10.23	1791.	7.281
305.	10.14	1792.	7.186
306.	10.16	1793.	7.197
307.	10.22	1794.	7.154
308.	10.23	1795.	7.134
309.	10.16	1796.	7.25
310.	10.31	1797.	7.018
311.	10.27	1798.	7.06
312.	10.42	1799.	7.191
313.	10.4	1800.	6.918
314.	10.41	1801.	7.176
315.	10.4	1802.	7.092
316.	10.49	1803.	6.965
317.	10.52	1804.	6.96
318.	10.29	1805.	7.055
319.	10.66	1806.	7.05
320.	10.5	1807.	7.139
321.	10.44	1808.	6.971
322.	10.44	1809.	7.092
323.	10.47	1810.	7.002
324.	10.52	1811.	6.991
325.	10.47	1812.	7.008
326.	10.69	1813.	7.065
327.	10.67	1814.	7.144
328.	10.43	1815.	7.04
329.	10.61	1816.	6.86
330.	10.6	1817.	6.955
331.	10.69	1818.	6.976
332.	10.62	1819.	6.902
333.	10.64	1820.	7.144
334.	10.58	1821.	6.934
335.	10.64	1822.	6.923
336.	10.71	1823.	6.887
337.	10.76	1824.	6.84
338.	10.68	1825.	6.86
339.	10.65	1826.	7.065
340.	10.7	1827.	6.917
341.	10.83	1828.	6.928
342.	10.74	1829.	6.955
343.	10.7	1830.	6.85
344.	10.69	1831.	6.902
345.	10.74	1832.	6.855
346.	11.07	1833.	6.782
347.	10.82	1834.	6.808
348.	10.85	1835.	6.723
349.	10.85	1836.	6.771
350.	10.92	1837.	6.834
351.	10.85	1838.	6.787
352.	10.97	1839.	6.729
353.	11.	1840.	6.724
354.	10.91	1841.	6.671
355.	11.	1842.	6.791
356.	10.89	1843.	6.618
357.	10.86	1844.	6.855
358.	10.9	1845.	6.692
359.	10.84	1846.	6.702
360.	11.	1847.	6.95
361.	11.05	1848.	6.808
362.	11.04	1849.	6.587

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	11.	1850.	6.84
364.	10.77	1851.	6.687
365.	11.05	1852.	6.787
366.	11.04	1853.	6.766
367.	11.12	1854.	6.618
368.	11.02	1855.	6.654
369.	11.07	1856.	6.649
370.	11.04	1857.	6.791
371.	10.77	1858.	6.576
372.	11.08	1859.	6.618
373.	11.14	1860.	6.75
374.	11.15	1861.	6.777
375.	11.09	1862.	6.503
376.	11.05	1863.	6.723
377.	11.2	1864.	6.645
378.	11.01	1865.	6.513
379.	10.92	1866.	6.587
380.	11.18	1867.	6.671
381.	11.18	1868.	6.518
382.	10.97	1869.	6.592
383.	11.17	1870.	6.534
384.	11.24	1871.	6.386
385.	11.1	1872.	6.66
386.	11.07	1873.	6.618
387.	11.17	1874.	6.592
388.	11.27	1875.	6.624
389.	11.12	1876.	6.497
390.	11.16	1877.	6.508
391.	11.26	1878.	6.618
392.	11.08	1879.	6.571
393.	11.1	1880.	6.624
394.	11.05	1881.	6.561
395.	11.24	1882.	6.35
396.	11.33	1883.	6.65
397.	11.25	1884.	6.555
398.	11.41	1885.	6.481
399.	11.1	1886.	6.492
400.	11.41	1887.	6.471
401.	11.32	1888.	6.376
402.	11.47	1889.	6.308
403.	11.35	1890.	6.382
404.	11.29	1891.	6.419
405.	11.25	1892.	6.307
406.	11.29	1893.	6.466
407.	11.31	1894.	6.513
408.	11.38	1895.	6.434
409.	11.45	1896.	6.35
410.	11.51	1897.	6.35
411.	11.22	1898.	6.503
412.	11.52	1899.	6.46
413.	11.32	1900.	6.492
414.	11.6	1901.	6.076
415.	11.46	1902.	6.214
416.	11.52	1903.	6.35
417.	11.55	1904.	6.266
418.	11.55	1905.	6.382
419.	11.5	1906.	6.445
420.	11.57	1907.	6.313
421.	11.58	1908.	6.366
422.	11.5	1909.	6.308
423.	11.66	1910.	6.155
424.	11.6	1911.	6.319
425.	11.6	1912.	6.25
426.	11.63	1913.	6.177
427.	11.65	1914.	6.382
428.	11.52	1915.	6.229

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	11.64	1916.	6.271
430.	11.74	1917.	6.319
431.	11.62	1918.	6.139
432.	11.91	1919.	6.313
433.	11.44	1920.	6.282
434.	11.85	1921.	6.145
435.	11.68	1922.	6.334
436.	11.71	1923.	6.229
437.	11.92	1924.	6.124
438.	11.78	1925.	6.224
439.	11.69	1926.	6.029
440.	11.88	1927.	6.418
441.	11.82	1928.	6.134
442.	11.82	1929.	6.234
443.	11.73	1930.	6.223
444.	11.74	1931.	6.161
445.	11.76	1932.	6.145
446.	11.84	1933.	6.134
447.	11.9	1934.	6.181
448.	11.87	1935.	6.118
449.	11.94	1936.	6.197
450.	11.85	1937.	6.218
451.	11.95	1938.	6.108
452.	11.85	1939.	6.181
453.	12.01	1940.	6.082
454.	11.99	1941.	6.139
455.	11.9	1942.	6.266
456.	11.93	1943.	6.065
457.	12.04	1944.	6.186
458.	12.02	1945.	6.056
459.	11.97	1946.	6.108
460.	12.17	1947.	6.065
461.	11.96	1948.	6.108
462.	12.03	1949.	6.008
463.	12.13	1950.	6.06
464.	12.09	1951.	6.113
465.	12.16	1952.	5.934
466.	12.11	1953.	6.134
467.	12.2	1954.	6.129
468.	12.1	1955.	5.95
469.	12.08	1956.	5.908
470.	12.07	1957.	5.998
471.	12.2	1958.	5.892
472.	12.05	1959.	6.234
473.	12.1	1960.	5.882
474.	11.98	1961.	6.018
475.	12.21	1962.	6.019
476.	12.34	1963.	5.955
477.	12.17	1964.	5.855
478.	12.22	1965.	5.987
479.	12.11	1966.	5.855
480.	12.33	1967.	6.056
481.	12.16	1968.	5.776
482.	12.33	1969.	6.06
483.	12.29	1970.	5.966
484.	12.35	1971.	6.008
485.	12.31	1972.	5.955
486.	12.32	1973.	5.834
487.	12.36	1974.	5.992
488.	12.27	1975.	6.019
489.	12.45	1976.	5.887
490.	12.22	1977.	5.987
491.	12.31	1978.	5.818
492.	12.36	1979.	5.781
493.	12.46	1980.	5.74
494.	12.32	1981.	5.887

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	12.53	1982.	5.919
496.	12.39	1983.	5.882
497.	12.45	1984.	5.781
498.	12.5	1985.	5.745
499.	12.38	1986.	6.082
500.	12.27	1987.	6.129
501.	12.26	1988.	5.834
502.	12.37	1989.	5.776
503.	12.44	1990.	5.814
504.	12.52	1991.	5.74
505.	12.51	1992.	5.729
506.	12.64	1993.	5.919
507.	12.58	1994.	5.913
508.	12.55	1995.	5.908
509.	12.52	1996.	6.013
510.	12.55	1997.	5.751
511.	12.46	1998.	5.756
512.	12.58	1999.	5.935
513.	12.57	2000.	5.735
514.	12.66	2001.	5.708
515.	12.58	2002.	5.698
516.	12.57	2003.	5.804
517.	12.73	2004.	5.677
518.	12.66	2005.	5.792
519.	12.65	2006.	5.729
520.	12.46	2007.	5.913
521.	12.61	2008.	5.74
522.	12.65	2009.	5.735
523.	12.67	2010.	5.708
524.	12.67	2011.	5.724
525.	12.66	2012.	5.86
526.	12.57	2013.	5.828
527.	12.66	2014.	5.845
528.	12.63	2015.	5.781
529.	12.75	2016.	5.603
530.	12.67	2017.	5.466
531.	12.86	2018.	5.708
532.	12.63	2019.	5.687
533.	12.76	2020.	5.792
534.	12.88	2021.	5.713
535.	12.66	2022.	5.74
536.	12.66	2023.	5.819
537.	12.72	2024.	5.735
538.	12.7	2025.	5.702
539.	12.82	2026.	5.792
540.	12.85	2027.	5.635
541.	12.75	2028.	5.597
542.	12.76	2029.	5.735
543.	12.81	2030.	5.655
544.	12.77	2031.	5.497
545.	12.88	2032.	5.655
546.	12.73	2033.	5.513
547.	12.88	2034.	5.687
548.	12.84	2035.	5.561
549.	12.87	2036.	5.519
550.	12.96	2037.	5.771
551.	12.91	2038.	5.461
552.	12.92	2039.	5.687
553.	13.04	2040.	5.408
554.	12.87	2041.	5.492
555.	12.88	2042.	5.603
556.	12.97	2043.	5.756
557.	12.99	2044.	5.745
558.	12.92	2045.	5.608
559.	12.83	2046.	5.698
560.	13.09	2047.	5.54

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	12.91	2048.	5.708
562.	12.96	2049.	5.582
563.	13.05	2050.	5.429
564.	12.94	2051.	5.624
565.	12.96	2052.	5.598
566.	12.91	2053.	5.598
567.	13.15	2054.	5.55
568.	12.95	2055.	5.54
569.	13.03	2056.	5.372
570.	13.07	2057.	5.413
571.	12.92	2058.	5.367
572.	13.04	2059.	5.582
573.	13.12	2060.	5.492
574.	13.09	2061.	5.44
575.	13.15	2062.	5.45
576.	13.09	2063.	5.64
577.	13.06	2064.	5.608
578.	13.14	2065.	5.419
579.	13.13	2066.	5.503
580.	12.93	2067.	5.488
581.	13.05	2068.	5.445
582.	12.97	2069.	5.424
583.	13.25	2070.	5.477
584.	13.18	2071.	5.34
585.	12.97	2072.	5.377
586.	13.3	2073.	5.308
587.	13.21	2074.	5.488
588.	13.16	2075.	5.624
589.	13.16	2076.	5.393
590.	13.18	2077.	5.371
591.	13.1	2078.	5.577
592.	13.3	2079.	5.451
593.	13.24	2080.	5.371
594.	13.48	2081.	5.382
595.	13.23	2082.	5.377
596.	13.21	2083.	5.555
597.	13.4	2084.	5.199
598.	13.27	2085.	5.345
599.	13.25	2086.	5.619
600.	13.44	2087.	5.44
601.	13.29	2088.	5.261
602.	13.37	2089.	5.33
603.	13.35	2090.	5.314
604.	13.26	2091.	5.377
605.	13.32	2092.	5.277
606.	13.43	2093.	5.314
607.	13.42	2094.	5.282
608.	13.43	2095.	5.497
609.	13.27	2096.	5.318
610.	13.39	2097.	5.34
611.	13.34	2098.	5.334
612.	13.48	2099.	5.292
613.	13.25	2100.	5.176
614.	13.26	2101.	5.334
615.	13.31	2102.	5.33
616.	13.5	2103.	5.367
617.	13.27	2104.	5.33
618.	13.43	2105.	5.387
619.	13.58	2106.	5.219
620.	13.37	2107.	5.45
621.	13.45	2108.	5.371
622.	13.5	2109.	5.129
623.	13.44	2110.	5.366
624.	13.4	2111.	5.024
625.	13.39	2112.	5.198
626.	13.29	2113.	5.261

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	13.41	2114.	5.166
628.	13.54	2115.	5.199
629.	13.62	2116.	5.209
630.	13.6	2117.	5.339
631.	13.49	2118.	5.292
632.	13.52	2119.	5.129
633.	13.48	2120.	5.199
634.	13.45	2121.	5.082
635.	13.46	2122.	5.298
636.	13.5	2123.	5.129
637.	13.43	2124.	5.261
638.	13.58	2125.	5.118
639.	13.57	2126.	5.445
640.	13.6	2127.	5.35
641.	13.75	2128.	4.993
642.	13.56	2129.	5.235
643.	13.65	2130.	5.077
644.	13.49	2131.	5.272
645.	13.68	2132.	5.261
646.	13.53	2133.	5.161
647.	13.75	2134.	5.082
648.	13.59	2135.	5.061
649.	13.55	2136.	5.171
650.	13.66	2137.	5.087
651.	13.66	2138.	4.951
652.	13.66	2139.	5.166
653.	13.65	2140.	5.124
654.	13.65	2141.	5.166
655.	13.88	2142.	5.056
656.	13.76	2143.	5.072
657.	13.58	2144.	5.151
658.	13.73	2145.	5.118
659.	13.79	2146.	4.924
660.	13.75	2147.	5.114
661.	13.65	2148.	5.072
662.	13.63	2149.	5.024
663.	13.74	2150.	4.919
664.	13.65	2151.	5.161
665.	13.81	2152.	5.272
666.	13.59	2153.	5.04
667.	13.62	2154.	5.092
668.	13.75	2155.	5.061
669.	13.86	2156.	5.061
670.	13.77	2157.	5.088
671.	13.67	2158.	5.004
672.	13.81	2159.	4.83
673.	13.87	2160.	5.182
674.	13.81	2161.	4.935
675.	13.94	2162.	5.056
676.	13.86	2163.	4.909
677.	13.76	2164.	5.092
678.	13.67	2165.	5.171
679.	13.81	2166.	4.861
680.	13.82	2167.	5.072
681.	13.63	2168.	5.198
682.	13.89	2169.	4.84
683.	13.81	2170.	4.94
684.	13.83	2171.	5.03
685.	13.92	2172.	4.935
686.	14.1	2173.	4.971
687.	14.	2174.	5.256
688.	13.84	2175.	4.824
689.	13.84	2176.	4.993
690.	13.9	2177.	4.982
691.	13.9	2178.	4.982
692.	13.89	2179.	4.971

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	13.79	2180.	4.982
694.	13.78	2181.	4.85
695.	13.93	2182.	4.987
696.	13.99	2183.	4.919
697.	13.92	2184.	4.835
698.	13.89	2185.	4.945
699.	14.	2186.	5.066
700.	14.16	2187.	4.808
701.	14.07	2188.	4.935
702.	14.06	2189.	5.05
703.	13.99	2190.	5.035
704.	14.04	2191.	4.751
705.	13.95	2192.	5.114
706.	14.03	2193.	4.909
707.	14.02	2194.	4.771
708.	13.96	2195.	4.887
709.	14.08	2196.	4.935
710.	14.17	2197.	4.808
711.	14.1	2198.	5.019
712.	14.01	2199.	4.876
713.	13.95	2200.	5.04
714.	14.08	2201.	4.846
715.	14.04	2202.	4.73
716.	14.03	2203.	4.803
717.	14.16	2204.	4.819
718.	14.02	2205.	4.84
719.	14.19	2206.	4.867
720.	14.19	2207.	4.888
721.	14.	2208.	4.798
722.	14.21	2209.	4.793
723.	14.2	2210.	4.677
724.	14.15	2211.	4.709
725.	14.14	2212.	4.909
726.	14.17	2213.	4.846
727.	14.18	2214.	4.819
728.	14.17	2215.	4.888
729.	14.06	2216.	4.761
730.	14.19	2217.	4.788
731.	14.1	2218.	4.924
732.	14.14	2219.	4.85
733.	14.26	2220.	4.688
734.	14.26	2221.	4.909
735.	14.18	2222.	4.924
736.	14.2	2223.	4.84
737.	14.22	2224.	4.835
738.	14.19	2225.	4.846
739.	14.04	2226.	4.704
740.	14.16	2227.	4.861
741.	14.13	2228.	4.572
742.	14.29	2229.	4.719
743.	14.32	2230.	4.746
744.	14.26	2231.	4.693
745.	14.25	2232.	4.808
746.	14.43	2233.	4.951
747.	14.16	2234.	4.85
748.	14.28	2235.	4.824
749.	14.34	2236.	4.771
750.	14.24	2237.	4.751
751.	14.39	2238.	4.755
752.	14.2	2239.	4.582
753.	14.22	2240.	4.703
754.	14.13	2241.	4.856
755.	14.23	2242.	4.883
756.	14.27	2243.	4.782
757.	14.19	2244.	4.935
758.	14.19	2245.	4.872

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	14.35	2246.	4.661
760.	14.32	2247.	4.593
761.	14.28	2248.	4.735
762.	14.17	2249.	4.709
763.	14.22	2250.	4.704
764.	14.49	2251.	4.699
765.	14.32	2252.	4.876
766.	14.37	2253.	4.666
767.	14.39	2254.	4.856
768.	14.36	2255.	4.578
769.	14.4	2256.	4.735
770.	14.05	2257.	4.688
771.	14.27	2258.	4.666
772.	14.16	2259.	4.545
773.	14.34	2260.	4.614
774.	14.4	2261.	4.751
775.	14.4	2262.	4.693
776.	14.37	2263.	4.641
777.	14.44	2264.	4.693
778.	14.36	2265.	4.655
779.	14.38	2266.	4.714
780.	14.29	2267.	4.835
781.	14.4	2268.	4.666
782.	14.34	2269.	4.651
783.	14.47	2270.	4.929
784.	14.45	2271.	4.603
785.	14.35	2272.	4.63
786.	14.48	2273.	4.751
787.	14.4	2274.	4.687
788.	14.38	2275.	4.73
789.	14.4	2276.	4.566
790.	14.41	2277.	4.651
791.	14.45	2278.	4.678
792.	14.44	2279.	4.52
793.	14.62	2280.	4.603
794.	14.58	2281.	4.619
795.	14.46	2282.	4.546
796.	14.49	2283.	4.619
797.	14.45	2284.	4.551
798.	14.48	2285.	4.682
799.	14.48	2286.	4.651
800.	14.61	2287.	4.461
801.	14.54	2288.	4.551
802.	14.56	2289.	4.513
803.	14.64	2290.	4.556
804.	14.57	2291.	4.588
805.	14.55	2292.	4.682
806.	14.52	2293.	4.456
807.	14.49	2294.	4.53
808.	14.58	2295.	4.714
809.	14.67	2296.	4.477
810.	14.53	2297.	4.556
811.	14.57	2298.	4.635
812.	14.61	2299.	4.545
813.	14.56	2300.	4.435
814.	14.53	2301.	4.614
815.	14.61	2302.	4.33
816.	14.59	2303.	4.687
817.	14.43	2304.	4.435
818.	14.68	2305.	4.656
819.	14.64	2306.	4.24
820.	14.61	2307.	4.588
821.	14.58	2308.	4.477
822.	14.68	2309.	4.504
823.	14.72	2310.	4.593
824.	14.87	2311.	4.44

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	14.66	2312.	4.608
826.	14.56	2313.	4.577
827.	14.74	2314.	4.608
828.	14.68	2315.	4.677
829.	14.58	2316.	4.324
830.	14.68	2317.	4.472
831.	14.69	2318.	4.472
832.	14.73	2319.	4.488
833.	14.66	2320.	4.603
834.	14.94	2321.	4.425
835.	14.7	2322.	4.561
836.	14.67	2323.	4.546
837.	14.98	2324.	4.524
838.	14.77	2325.	4.341
839.	14.76	2326.	4.614
840.	14.57	2327.	4.477
841.	14.65	2328.	4.325
842.	14.66	2329.	4.393
843.	14.8	2330.	4.551
844.	14.93	2331.	4.498
845.	14.55	2332.	4.514
846.	14.79	2333.	4.535
847.	14.9	2334.	4.324
848.	14.76	2335.	4.551
849.	14.97	2336.	4.446
850.	14.72	2337.	4.456
851.	14.62	2338.	4.43
852.	14.73	2339.	4.324
853.	14.78	2340.	4.435
854.	14.8	2341.	4.504
855.	14.81	2342.	4.419
856.	14.8	2343.	4.456
857.	14.81	2344.	4.372
858.	14.8	2345.	4.498
859.	14.78	2346.	4.546
860.	14.87	2347.	4.519
861.	14.85	2348.	4.408
862.	15.03	2349.	4.504
863.	14.9	2350.	4.193
864.	14.87	2351.	4.535
865.	14.89	2352.	4.382
866.	14.93	2353.	4.388
867.	14.84	2354.	4.309
868.	14.93	2355.	4.461
869.	14.75	2356.	4.456
870.	15.01	2357.	4.393
871.	14.84	2358.	4.256
872.	14.99	2359.	4.414
873.	14.87	2360.	4.267
874.	14.95	2361.	4.419
875.	14.85	2362.	4.524
876.	15.02	2363.	4.399
877.	14.93	2364.	4.403
878.	14.9	2365.	4.451
879.	14.83	2366.	4.436
880.	14.96	2367.	4.319
881.	14.9	2368.	4.53
882.	14.82	2369.	4.377
883.	14.86	2370.	4.467
884.	14.86	2371.	4.392
885.	15.09	2372.	4.367
886.	14.81	2373.	4.414
887.	14.95	2374.	4.24
888.	15.02	2375.	4.351
889.	14.79	2376.	4.325
890.	14.94	2377.	4.33

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	14.89	2378.	4.367
892.	14.98	2379.	4.193
893.	14.89	2380.	4.282
894.	15.09	2381.	4.298
895.	15.07	2382.	4.367
896.	15.06	2383.	4.314
897.	15.	2384.	4.425
898.	15.02	2385.	4.346
899.	15.06	2386.	4.367
900.	15.18	2387.	4.172
901.	15.12	2388.	4.288
902.	14.96	2389.	4.235
903.	15.15	2390.	4.33
904.	14.97	2391.	4.345
905.	15.14	2392.	4.435
906.	14.91	2393.	4.341
907.	15.01	2394.	4.477
908.	15.13	2395.	4.235
909.	15.21	2396.	4.303
910.	15.05	2397.	4.393
911.	15.06	2398.	4.135
912.	15.31	2399.	4.451
913.	15.15	2400.	4.445
914.	15.25	2401.	4.271
915.	15.15	2402.	4.314
916.	15.24	2403.	4.204
917.	15.1	2404.	4.267
918.	15.05	2405.	4.324
919.	15.1	2406.	4.319
920.	15.12	2407.	4.388
921.	15.03	2408.	4.325
922.	15.11	2409.	4.304
923.	15.15	2410.	4.119
924.	15.21	2411.	4.24
925.	15.26	2412.	4.124
926.	15.13	2413.	4.267
927.	15.07	2414.	4.235
928.	15.17	2415.	4.193
929.	15.09	2416.	4.24
930.	15.19	2417.	4.188
931.	15.17	2418.	4.23
932.	15.32	2419.	4.157
933.	15.18	2420.	4.282
934.	15.21	2421.	4.162
935.	15.15	2422.	4.277
936.	15.11	2423.	4.157
937.	15.26	2424.	4.167
938.	15.2	2425.	4.335
939.	15.19	2426.	4.135
940.	15.25	2427.	4.293
941.	15.1	2428.	4.135
942.	15.18	2429.	4.056
943.	15.25	2430.	4.146
944.	15.24	2431.	4.351
945.	15.31	2432.	4.098
946.	15.18	2433.	4.209
947.	15.34	2434.	4.256
948.	15.31	2435.	4.187
949.	15.28	2436.	4.014
950.	15.37	2437.	4.177
951.	15.21	2438.	4.135
952.	15.27	2439.	3.972
953.	15.21	2440.	4.114
954.	15.17	2441.	4.246
955.	15.34	2442.	4.083
956.	15.45	2443.	4.088

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	15.29	2444.	4.277
958.	15.27	2445.	4.198
959.	15.25	2446.	4.051
960.	15.16	2447.	4.093
961.	15.26	2448.	4.104
962.	15.45	2449.	4.214
963.	15.27	2450.	4.235
964.	15.32	2451.	4.088
965.	15.31	2452.	4.225
966.	15.39	2453.	4.088
967.	15.52	2454.	4.183
968.	15.51	2455.	4.282
969.	15.35	2456.	4.082
970.	15.29	2457.	4.14
971.	15.38	2458.	4.204
972.	15.36	2459.	4.067
973.	15.2	2460.	4.146
974.	15.5	2461.	4.124
975.	15.37	2462.	4.083
976.	15.43	2463.	4.166
977.	15.23	2464.	4.04
978.	15.16	2465.	4.124
979.	15.47	2466.	4.178
980.	15.48	2467.	4.135
981.	15.38	2468.	4.146
982.	15.42	2469.	4.209
983.	15.49	2470.	4.172
984.	15.46	2471.	4.109
985.	15.44	2472.	4.025
986.	15.29	2473.	4.257
987.	15.47	2474.	4.124
988.	15.35	2475.	4.167
989.	15.51	2476.	4.077
990.	15.41	2477.	4.088
991.	15.43	2478.	3.956
992.	15.58	2479.	4.045
993.	15.48	2480.	4.077
994.	15.39	2481.	4.24
995.	15.45	2482.	3.893
996.	15.46	2483.	4.172
997.	15.55	2484.	3.993
998.	15.47	2485.	4.183
999.	15.59	2486.	4.23
1000.	15.55	2487.	4.014
1001.	15.51	2488.	4.277
1002.	15.39	2489.	4.188
1003.	15.49	2490.	4.23
1004.	15.69	2491.	4.098
1005.	15.57	2492.	4.172
1006.	15.41	2493.	4.24
1007.	15.48	2494.	4.167
1008.	15.6	2495.	4.13
1009.	15.48	2496.	3.977
1010.	15.46	2497.	4.093
1011.	15.56	2498.	4.098
1012.	15.57	2499.	4.13
1013.	15.36	2500.	4.04
1014.	15.72	2501.	4.198
1015.	15.51	2502.	4.088
1016.	15.68	2503.	3.867
1017.	15.61	2504.	3.962
1018.	15.65	2505.	4.077
1019.	15.74	2506.	4.113
1020.	15.61	2507.	4.077
1021.	15.54	2508.	4.073
1022.	15.58	2509.	4.083

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	15.61	2510.	4.162
1024.	15.59	2511.	4.024
1025.	15.58	2512.	3.882
1026.	15.85	2513.	3.878
1027.	15.52	2514.	3.998
1028.	15.65	2515.	4.093
1029.	15.71	2516.	3.998
1030.	15.58	2517.	4.088
1031.	15.69	2518.	3.967
1032.	15.53	2519.	4.119
1033.	15.58	2520.	3.851
1034.	15.56	2521.	3.998
1035.	15.56	2522.	4.166
1036.	15.81	2523.	4.003
1037.	15.67	2524.	3.988
1038.	15.63	2525.	3.967
1039.	15.7	2526.	3.987
1040.	15.67	2527.	4.151
1041.	15.79	2528.	4.062
1042.	15.79	2529.	3.93
1043.	15.7	2530.	3.888
1044.	15.57	2531.	4.02
1045.	15.7	2532.	3.909
1046.	15.72	2533.	3.935
1047.	15.8	2534.	4.178
1048.	15.67	2535.	4.104
1049.	15.63	2536.	4.135
1050.	15.87	2537.	3.987
1051.	15.92	2538.	4.098
1052.	15.89	2539.	3.967
1053.	15.66	2540.	3.977
1054.	15.71	2541.	3.982
1055.	15.71	2542.	4.035
1056.	15.62	2543.	3.956
1057.	15.65	2544.	3.956
1058.	15.78	2545.	4.003
1059.	15.75	2546.	4.004
1060.	15.69	2547.	4.077
1061.	15.83	2548.	3.904
1062.	15.68	2549.	4.045
1063.	15.86	2550.	3.856
1064.	15.77	2551.	3.925
1065.	15.6	2552.	4.029
1066.	15.77	2553.	3.761
1067.	16.01	2554.	3.904
1068.	15.81	2555.	3.899
1069.	15.87	2556.	3.798
1070.	15.85	2557.	4.009
1071.	15.79	2558.	3.998
1072.	15.91	2559.	4.014
1073.	15.76	2560.	4.072
1074.	15.75	2561.	4.035
1075.	15.68	2562.	3.904
1076.	15.88	2563.	4.093
1077.	15.75	2564.	4.109
1078.	15.83	2565.	3.856
1079.	15.9	2566.	4.145
1080.	15.89	2567.	3.915
1081.	15.74	2568.	3.983
1082.	15.69	2569.	4.014
1083.	15.9	2570.	4.029
1084.	15.91	2571.	3.803
1085.	15.8	2572.	4.029
1086.	15.96	2573.	4.04
1087.	15.9	2574.	3.909
1088.	15.75	2575.	3.951

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	15.76	2576.	3.783
1090.	15.86	2577.	3.867
1091.	15.97	2578.	3.572
1092.	15.94	2579.	4.02
1093.	15.88	2580.	3.693
1094.	15.96	2581.	3.777
1095.	15.92	2582.	3.867
1096.	15.82	2583.	3.935
1097.	15.95	2584.	3.988
1098.	16.13	2585.	3.835
1099.	15.86	2586.	4.051
1100.	15.93	2587.	4.009
1101.	16.	2588.	3.803
1102.	15.93	2589.	3.983
1103.	16.	2590.	3.893
1104.	15.97	2591.	3.825
1105.	15.86	2592.	3.761
1106.	16.03	2593.	3.84
1107.	15.94	2594.	3.988
1108.	16.1	2595.	3.972
1109.	15.99	2596.	3.967
1110.	15.93	2597.	3.972
1111.	15.98	2598.	3.604
1112.	16.08	2599.	3.93
1113.	15.9	2600.	3.835
1114.	16.15	2601.	3.867
1115.	15.9	2602.	3.834
1116.	15.93	2603.	3.925
1117.	16.	2604.	3.767
1118.	15.96	2605.	3.767
1119.	16.04	2606.	3.835
1120.	16.04	2607.	3.73
1121.	15.84	2608.	3.899
1122.	15.94	2609.	3.904
1123.	16.	2610.	3.957
1124.	16.14	2611.	3.756
1125.	16.14	2612.	3.793
1126.	16.17	2613.	3.777
1127.	16.22	2614.	3.651
1128.	16.1	2615.	3.698
1129.	16.07	2616.	3.93
1130.	16.26	2617.	3.877
1131.	16.09	2618.	3.672
1132.	16.05	2619.	3.831
1133.	16.07	2620.	3.783
1134.	16.2	2621.	3.773
1135.	16.02	2622.	3.741
1136.	16.06	2623.	3.835
1137.	16.13	2624.	3.872
1138.	15.93	2625.	3.867
1139.	16.08	2626.	3.767
1140.	16.07	2627.	3.915
1141.	16.04	2628.	3.887
1142.	16.21	2629.	3.724
1143.	15.99	2630.	3.614
1144.	16.05	2631.	3.841
1145.	16.04	2632.	3.662
1146.	16.26	2633.	3.783
1147.	16.07	2634.	3.761
1148.	16.15	2635.	3.672
1149.	16.12	2636.	3.693
1150.	16.07	2637.	3.809
1151.	16.18	2638.	3.688
1152.	16.11	2639.	3.62
1153.	16.	2640.	3.877
1154.	16.12	2641.	3.73

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	16.3	2642.	3.662
1156.	16.05	2643.	3.625
1157.	16.05	2644.	3.988
1158.	16.1	2645.	3.792
1159.	16.27	2646.	3.73
1160.	16.12	2647.	3.787
1161.	16.06	2648.	3.862
1162.	16.32	2649.	3.835
1163.	16.3	2650.	3.646
1164.	16.21	2651.	3.804
1165.	16.14	2652.	3.698
1166.	16.22	2653.	3.893
1167.	16.11	2654.	3.641
1168.	16.25	2655.	3.599
1169.	15.99	2656.	3.73
1170.	16.04	2657.	3.641
1171.	16.12	2658.	3.551
1172.	16.22	2659.	3.831
1173.	16.08	2660.	3.73
1174.	16.19	2661.	3.462
1175.	16.32	2662.	3.688
1176.	16.25	2663.	3.872
1177.	16.22	2664.	3.714
1178.	16.25	2665.	3.725
1179.	16.43	2666.	3.683
1180.	16.13	2667.	3.472
1181.	16.29	2668.	3.783
1182.	16.3	2669.	3.761
1183.	16.27	2670.	3.714
1184.	16.21	2671.	3.63
1185.	16.35	2672.	3.599
1186.	16.23	2673.	3.578
1187.	16.2	2674.	3.677
1188.	16.38	2675.	3.741
1189.	16.35	2676.	3.598
1190.	16.25	2677.	3.75
1191.	16.12	2678.	3.73
1192.	16.2	2679.	3.614
1193.	16.34	2680.	3.63
1194.	16.17	2681.	3.593
1195.	16.22	2682.	3.562
1196.	16.17	2683.	3.614
1197.	16.19	2684.	3.651
1198.	16.15	2685.	3.682
1199.	16.15	2686.	3.845
1200.	16.36	2687.	3.619
1201.	16.02	2688.	3.677
1202.	16.17	2689.	3.693
1203.	16.15	2690.	3.578
1204.	16.1	2691.	3.656
1205.	16.15	2692.	3.572
1206.	16.06	2693.	3.667
1207.	16.16	2694.	3.63
1208.	16.18	2695.	3.819
1209.	16.1	2696.	3.561
1210.	16.17	2697.	3.63
1211.	15.88	2698.	3.52
1212.	16.17	2699.	3.488
1213.	16.07	2700.	3.788
1214.	16.05	2701.	3.619
1215.	15.98	2702.	3.588
1216.	15.93	2703.	3.667
1217.	16.1	2704.	3.825
1218.	15.97	2705.	3.683
1219.	15.95	2706.	3.719
1220.	16.05	2707.	3.756

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	16.19	2708.	3.867
1222.	16.05	2709.	3.689
1223.	15.94	2710.	3.656
1224.	16.05	2711.	3.646
1225.	16.	2712.	3.53
1226.	15.96	2713.	3.551
1227.	15.89	2714.	3.614
1228.	16.	2715.	3.572
1229.	16.2	2716.	3.625
1230.	16.03	2717.	3.488
1231.	15.94	2718.	3.703
1232.	15.98	2719.	3.53
1233.	15.91	2720.	3.509
1234.	15.98	2721.	3.572
1235.	15.93	2722.	3.588
1236.	15.92	2723.	3.625
1237.	15.98	2724.	3.578
1238.	15.97	2725.	3.709
1239.	15.96	2726.	3.693
1240.	16.12	2727.	3.509
1241.	15.97	2728.	3.509
1242.	16.04	2729.	3.578
1243.	16.08	2730.	3.625
1244.	15.99	2731.	3.42
1245.	15.8	2732.	3.604
1246.	16.	2733.	3.704
1247.	16.03	2734.	3.451
1248.	16.07	2735.	3.436
1249.	15.89	2736.	3.641
1250.	15.99	2737.	3.536
1251.	16.	2738.	3.582
1252.	16.12	2739.	3.625
1253.	16.03	2740.	3.589
1254.	16.11	2741.	3.509
1255.	16.24	2742.	3.578
1256.	16.3	2743.	3.457
1257.	15.93	2744.	3.572
1258.	16.18	2745.	3.373
1259.	16.1	2746.	3.53
1260.	16.15	2747.	3.604
1261.	16.15	2748.	3.588
1262.	16.01	2749.	3.551
1263.	16.07	2750.	3.614
1264.	16.15	2751.	3.509
1265.	16.2	2752.	3.556
1266.	16.07	2753.	3.656
1267.	16.12	2754.	3.641
1268.	16.14	2755.	3.493
1269.	16.28	2756.	3.566
1270.	16.13	2757.	3.43
1271.	16.24	2758.	3.446
1272.	16.26	2759.	3.672
1273.	16.27	2760.	3.472
1274.	16.38	2761.	3.578
1275.	16.18	2762.	3.356
1276.	16.27	2763.	3.493
1277.	16.01	2764.	3.63
1278.	16.26	2765.	3.614
1279.	16.25	2766.	3.504
1280.	16.3	2767.	3.409
1281.	16.18	2768.	3.604
1282.	16.23	2769.	3.462
1283.	16.23	2770.	3.472
1284.	16.18	2771.	3.493
1285.	16.09	2772.	3.451
1286.	16.25	2773.	3.524

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	16.3	2774.	3.373
1288.	16.23	2775.	3.557
1289.	16.2	2776.	3.541
1290.	16.11	2777.	3.509
1291.	16.33	2778.	3.509
1292.	16.21	2779.	3.424
1293.	16.51	2780.	3.488
1294.	16.63	2781.	3.593
1295.	16.35	2782.	3.662
1296.	16.41	2783.	3.562
1297.	16.39	2784.	3.493
1298.	16.22	2785.	3.482
1299.	16.42	2786.	3.493
1300.	16.48	2787.	3.551
1301.	16.37	2788.	3.43
1302.	16.32	2789.	3.504
1303.	16.36	2790.	3.42
1304.	16.13	2791.	3.493
1305.	16.42	2792.	3.451
1306.	16.26	2793.	3.567
1307.	16.47	2794.	3.462
1308.	16.49	2795.	3.499
1309.	16.52	2796.	3.373
1310.	16.52	2797.	3.373
1311.	16.4	2798.	3.578
1312.	16.38	2799.	3.493
1313.	16.25	2800.	3.331
1314.	16.58	2801.	3.488
1315.	16.39	2802.	3.446
1316.	16.43	2803.	3.53
1317.	16.44	2804.	3.457
1318.	16.57	2805.	3.415
1319.	16.48	2806.	3.289
1320.	16.52	2807.	3.373
1321.	16.28	2808.	3.378
1322.	16.61	2809.	3.425
1323.	16.38	2810.	3.625
1324.	16.56	2811.	3.436
1325.	16.5	2812.	3.562
1326.	16.56	2813.	3.356
1327.	16.37	2814.	3.404
1328.	16.56	2815.	3.566
1329.	16.65	2816.	3.483
1330.	16.51	2817.	3.241
1331.	16.66	2818.	3.43
1332.	16.49	2819.	3.514
1333.	16.66	2820.	3.325
1334.	16.66	2821.	3.609
1335.	16.5	2822.	3.42
1336.	16.6	2823.	3.457
1337.	16.34	2824.	3.462
1338.	16.74	2825.	3.42
1339.	16.57	2826.	3.367
1340.	16.53	2827.	3.32
1341.	16.68	2828.	3.262
1342.	16.6	2829.	3.436
1343.	16.57	2830.	3.278
1344.	16.58	2831.	3.446
1345.	16.47	2832.	3.367
1346.	16.67	2833.	3.367
1347.	16.61	2834.	3.493
1348.	16.66	2835.	3.578
1349.	16.71	2836.	3.462
1350.	16.58	2837.	3.272
1351.	16.45	2838.	3.43
1352.	16.66	2839.	3.246

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	16.53	2840.	3.309
1354.	16.63	2841.	3.378
1355.	16.64	2842.	3.273
1356.	16.72	2843.	3.331
1357.	16.56	2844.	3.457
1358.	16.82	2845.	3.383
1359.	16.51	2846.	3.383
1360.	16.61	2847.	3.462
1361.	16.74	2848.	3.225
1362.	16.67	2849.	3.314
1363.	16.64	2850.	3.462
1364.	16.57	2851.	3.467
1365.	16.6	2852.	3.309
1366.	16.76	2853.	3.524
1367.	16.77	2854.	3.241
1368.	16.8	2855.	3.53
1369.	16.63	2856.	3.214
1370.	16.55	2857.	3.288
1371.	16.56	2858.	3.446
1372.	16.72	2859.	3.357
1373.	16.6	2860.	3.409
1374.	16.51	2861.	3.53
1375.	16.77	2862.	3.294
1376.	16.7	2863.	3.262
1377.	16.86	2864.	3.383
1378.	16.65	2865.	3.356
1379.	16.73	2866.	3.488
1380.	16.81	2867.	3.43
1381.	16.88	2868.	3.446
1382.	16.59	2869.	3.309
1383.	16.44	2870.	3.335
1384.	16.87	2871.	3.32
1385.	16.87	2872.	3.314
1386.	16.84	2873.	3.22
1387.	16.84	2874.	3.34
1388.	16.74	2875.	3.214
1389.	16.73	2876.	3.303
1390.	16.46	2877.	3.293
1391.	16.79	2878.	3.32
1392.	16.87	2879.	3.214
1393.	16.64	2880.	3.283
1394.	16.76	2881.	3.425
1395.	16.84	2882.	3.326
1396.	16.78	2883.	3.362
1397.	16.86	2884.	3.367
1398.	16.71	2885.	3.225
1399.	16.78	2886.	3.304
1400.	16.91	2887.	3.236
1401.	16.74	2888.	3.162
1402.	16.71	2889.	3.278
1403.	16.86	2890.	3.299
1404.	16.85	2891.	3.172
1405.	16.8	2892.	3.13
1406.	16.91	2893.	3.404
1407.	16.8	2894.	3.409
1408.	16.93	2895.	3.204
1409.	16.87	2896.	3.356
1410.	16.89	2897.	3.251
1411.	16.75	2898.	3.256
1412.	16.86	2899.	3.199
1413.	16.95	2900.	3.225
1414.	16.57	2901.	3.357
1415.	16.85	2902.	3.262
1416.	16.98	2903.	3.404
1417.	17.	2904.	3.315
1418.	16.89	2905.	3.289

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	16.88	2906.	3.173
1420.	16.82	2907.	3.309
1421.	16.87	2908.	3.304
1422.	16.88	2909.	3.336
1423.	16.95	2910.	3.278
1424.	16.93	2911.	3.172
1425.	16.98	2912.	3.262
1426.	16.89	2913.	3.273
1427.	16.82	2914.	3.388
1428.	16.93	2915.	3.43
1429.	16.95	2916.	3.451
1430.	16.95	2917.	3.293
1431.	17.01	2918.	3.367
1432.	16.85	2919.	3.094
1433.	17.02	2920.	3.404
1434.	17.08	2921.	3.157
1435.	17.03	2922.	3.336
1436.	16.86	2923.	3.299
1437.	16.88	2924.	3.204
1438.	16.88	2925.	3.13
1439.	16.81	2926.	3.12
1440.	16.85	2927.	3.356
1441.	16.8	2928.	3.183
1442.	16.82	2929.	3.114
1443.	17.01	2930.	3.272
1444.	17.02	2931.	3.346
1445.	17.02	2932.	3.331
1446.	16.87	2933.	3.315
1447.	16.7	2934.	3.035
1448.	16.7	2935.	3.283
1449.	16.55	2936.	3.072
1450.	16.34	2937.	3.256
1451.	16.41	2938.	3.399
1452.	16.35	2939.	3.114
1453.	16.16	2940.	3.125
1454.	16.11	2941.	3.209
1455.	16.05	2942.	3.346
1456.	15.81	2943.	3.267
1457.	16.03	2944.	3.272
1458.	15.9	2945.	3.32
1459.	15.69	2946.	3.188
1460.	15.71	2947.	3.199
1461.	15.74	2948.	3.241
1462.	15.39	2949.	3.457
1463.	15.65	2950.	3.172
1464.	15.44	2951.	3.004
1465.	15.48	2952.	3.304
1466.	15.4	2953.	3.336
1467.	15.26	2954.	3.172
1468.	15.24	2955.	3.157
1469.	15.05	2956.	3.141
1470.	15.1	2957.	3.236
1471.	14.92	2958.	3.188
1472.	14.85	2959.	3.225
1473.	14.91	2960.	3.278
1474.	14.82	2961.	3.151
1475.	14.69	2962.	3.262
1476.	14.72	2963.	3.172
1477.	14.52	2964.	3.041
1478.	14.53	2965.	3.209
1479.	14.32	2966.	3.088
1480.	14.48	2967.	3.267
1481.	14.25	2968.	3.304
1482.	14.33	2969.	3.304
1483.	14.15	2970.	3.23
1484.	14.28	2971.	3.32

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	14.17	2972.	3.246
1486.	14.06	2973.	3.209
1487.	13.92	2974.	3.167

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1254.4	ft^2/day
S	0.0001663	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.68 ft/day (0.005531 cm/sec)
Ss = S/b = 2.078E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1228.6	1.54	+/- 3.019	798.	ft^2/day
S	0.0001271	3.962E-7	+/- 7.769E-7	320.9	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.36 ft/day (0.005418 cm/sec)
Ss = S/b = 1.589E-6 1/ft

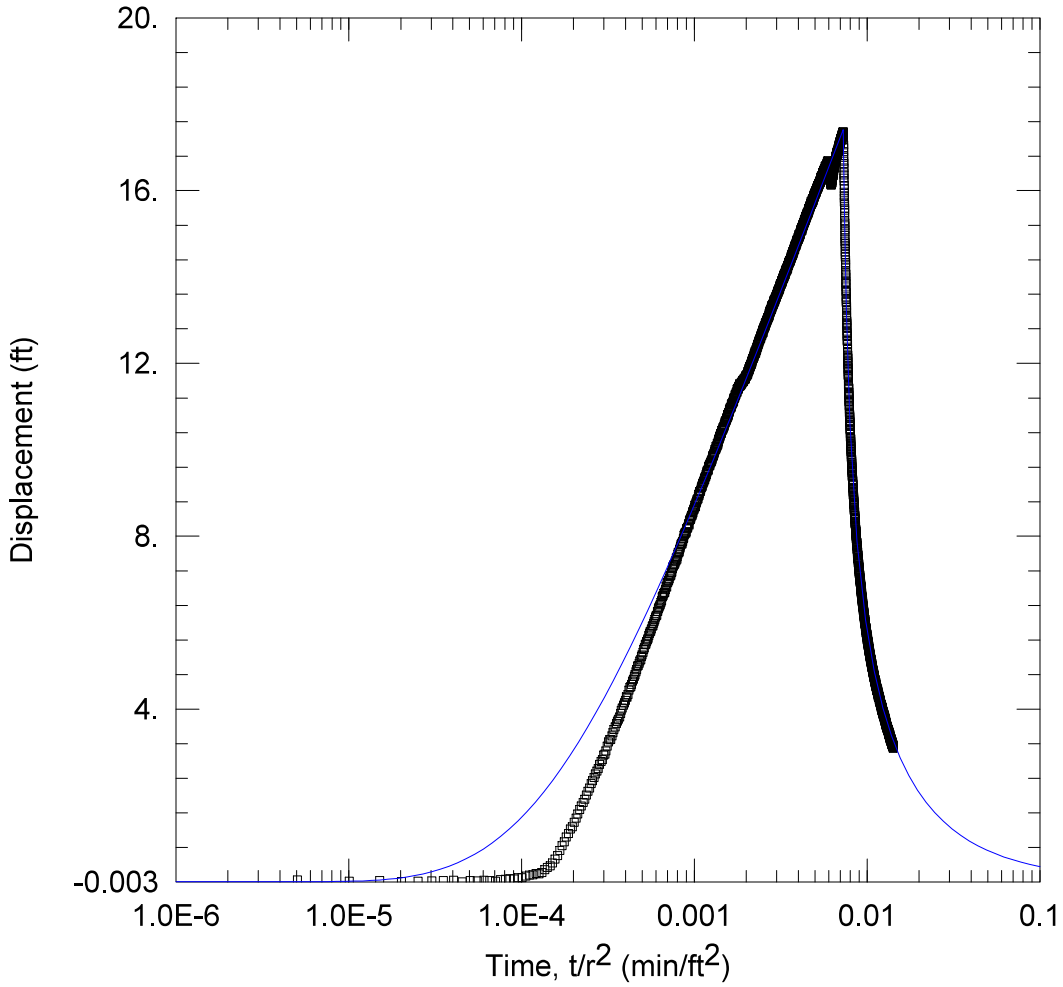
Parameter Correlations

	T	S
T	1.00	-0.84
S	-0.84	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 244.5 ft^2
Variance . . . . . 0.08227 ft^2
Std. Deviation . . . . . 0.2868 ft
Mean . . . . . -0.02845 ft
No. of Residuals 2974
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW9.aqt
Date: 04/11/25 Time: 12:03:32

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW9	1331	374

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1256.1 ft^2/day
S = 0.000106
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:12:29

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW9

X Location: 1331. ft
Y Location: 374. ft

Radial distance from BM 1B: 444.9325792 ft
Radial distance from BM2A: 560.7468234 ft
Radial distance from BM3: 757.1664282 ft
Radial distance from BM 4 : 667.2608186 ft
Radial distance from BM5: 882.2527982 ft
Radial distance from BM 6: 976.1951649 ft
Radial distance from BM7: 977.9043921 ft
Radial distance from BM9: 1322.129343 ft

Fully Penetrating Well

No. of Observations: 2811

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.04311	1407.	17.22
2.	0.00829	1408.	17.23
3.	0.02318	1409.	17.24
4.	0.001477	1410.	17.23
5.	0.01152	1411.	17.25
6.	0.02017	1412.	17.24
7.	0.02654	1413.	17.23
8.	0.03324	1414.	17.24
9.	-0.002886	1415.	17.23
10.	0.02456	1416.	17.26
11.	0.01926	1417.	17.23
12.	0.03324	1418.	17.29
13.	0.02906	1419.	17.28
14.	0.01473	1420.	17.23
15.	0.05099	1421.	17.25
16.	0.05322	1422.	17.26
17.	0.07138	1423.	17.3
18.	0.06636	1424.	17.25
19.	0.09542	1425.	17.3
20.	0.09359	1426.	17.29
21.	0.1311	1427.	17.29
22.	0.1549	1428.	17.28
23.	0.159	1429.	17.31
24.	0.1933	1430.	17.31
25.	0.1832	1431.	17.31
26.	0.2121	1432.	17.31
27.	0.2771	1433.	17.34
28.	0.3314	1434.	17.35
29.	0.3639	1435.	17.34
30.	0.4345	1436.	17.33
31.	0.5267	1437.	17.35
32.	0.6053	1438.	17.34

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.7201	1439.	17.34
34.	0.8306	1440.	17.35
35.	0.9204	1441.	17.34
36.	1.032	1442.	17.37
37.	1.114	1443.	17.34
38.	1.216	1444.	17.33
39.	1.272	1445.	17.28
40.	1.377	1446.	17.2
41.	1.469	1447.	17.18
42.	1.57	1448.	17.06
43.	1.671	1449.	16.99
44.	1.754	1450.	16.9
45.	1.835	1451.	16.81
46.	1.91	1452.	16.77
47.	2.007	1453.	16.68
48.	2.096	1454.	16.63
49.	2.167	1455.	16.53
50.	2.271	1456.	16.41
51.	2.339	1457.	16.36
52.	2.414	1458.	16.29
53.	2.495	1459.	16.22
54.	2.558	1460.	16.11
55.	2.621	1461.	16.04
56.	2.72	1462.	15.96
57.	2.781	1463.	15.88
58.	2.825	1464.	15.83
59.	2.93	1465.	15.74
60.	2.955	1466.	15.69
61.	3.026	1467.	15.6
62.	3.135	1468.	15.54
63.	3.233	1469.	15.48
64.	3.287	1470.	15.4
65.	3.294	1471.	15.31
66.	3.377	1472.	15.26
67.	3.452	1473.	15.19
68.	3.521	1474.	15.1
69.	3.581	1475.	15.04
70.	3.661	1476.	14.97
71.	3.715	1477.	14.89
72.	3.762	1478.	14.82
73.	3.814	1479.	14.77
74.	3.896	1480.	14.73
75.	3.97	1481.	14.66
76.	4.023	1482.	14.59
77.	4.083	1483.	14.52
78.	4.135	1484.	14.46
79.	4.201	1485.	14.39
80.	4.276	1486.	14.34
81.	4.273	1487.	14.3
82.	4.333	1488.	14.23
83.	4.434	1489.	14.14
84.	4.495	1490.	14.1
85.	4.516	1491.	14.07
86.	4.57	1492.	14.
87.	4.646	1493.	13.91
88.	4.693	1494.	13.87
89.	4.758	1495.	13.85
90.	4.795	1496.	13.78
91.	4.864	1497.	13.69
92.	4.91	1498.	13.66
93.	4.994	1499.	13.64
94.	5.008	1500.	13.54
95.	5.058	1501.	13.5
96.	5.111	1502.	13.44
97.	5.141	1503.	13.41
98.	5.218	1504.	13.34

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	5.254	1505.	13.3
100.	5.309	1506.	13.23
101.	5.379	1507.	13.19
102.	5.41	1508.	13.12
103.	5.484	1509.	13.09
104.	5.502	1510.	13.06
105.	5.552	1511.	12.99
106.	5.601	1512.	12.94
107.	5.636	1513.	12.92
108.	5.696	1514.	12.88
109.	5.751	1515.	12.84
110.	5.785	1516.	12.75
111.	5.799	1517.	12.72
112.	5.851	1518.	12.68
113.	5.92	1519.	12.64
114.	5.927	1520.	12.62
115.	5.981	1521.	12.54
116.	6.026	1522.	12.51
117.	6.074	1523.	12.46
118.	6.123	1524.	12.44
119.	6.156	1525.	12.38
120.	6.175	1526.	12.34
121.	6.255	1527.	12.32
122.	6.256	1528.	12.27
123.	6.316	1529.	12.24
124.	6.355	1530.	12.19
125.	6.388	1531.	12.13
126.	6.422	1532.	12.12
127.	6.469	1533.	12.05
128.	6.506	1534.	12.03
129.	6.594	1535.	12.
130.	6.612	1536.	11.96
131.	6.632	1537.	11.91
132.	6.679	1538.	11.88
133.	6.704	1539.	11.85
134.	6.7	1540.	11.8
135.	6.767	1541.	11.74
136.	6.844	1542.	11.72
137.	6.822	1543.	11.69
138.	6.92	1544.	11.65
139.	6.929	1545.	11.64
140.	6.967	1546.	11.57
141.	6.977	1547.	11.51
142.	7.015	1548.	11.5
143.	7.067	1549.	11.49
144.	7.091	1550.	11.44
145.	7.098	1551.	11.42
146.	7.158	1552.	11.34
147.	7.174	1553.	11.33
148.	7.244	1554.	11.28
149.	7.287	1555.	11.27
150.	7.314	1556.	11.24
151.	7.336	1557.	11.2
152.	7.347	1558.	11.15
153.	7.38	1559.	11.12
154.	7.422	1560.	11.13
155.	7.43	1561.	11.1
156.	7.499	1562.	11.03
157.	7.472	1563.	11.01
158.	7.53	1564.	10.99
159.	7.59	1565.	10.93
160.	7.622	1566.	10.94
161.	7.622	1567.	10.88
162.	7.643	1568.	10.85
163.	7.688	1569.	10.86
164.	7.73	1570.	10.82

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.77	1571.	10.77
166.	7.813	1572.	10.76
167.	7.84	1573.	10.72
168.	7.821	1574.	10.67
169.	7.863	1575.	10.67
170.	7.882	1576.	10.64
171.	7.941	1577.	10.62
172.	7.951	1578.	10.58
173.	8.017	1579.	10.55
174.	8.041	1580.	10.54
175.	8.056	1581.	10.48
176.	8.09	1582.	10.48
177.	8.071	1583.	10.46
178.	8.1	1584.	10.44
179.	8.167	1585.	10.39
180.	8.175	1586.	10.37
181.	8.208	1587.	10.36
182.	8.212	1588.	10.29
183.	8.275	1589.	10.3
184.	8.285	1590.	10.25
185.	8.26	1591.	10.25
186.	8.363	1592.	10.21
187.	8.38	1593.	10.18
188.	8.389	1594.	10.14
189.	8.412	1595.	10.13
190.	8.445	1596.	10.1
191.	8.474	1597.	10.08
192.	8.485	1598.	10.06
193.	8.515	1599.	10.03
194.	8.563	1600.	10.01
195.	8.545	1601.	9.99
196.	8.606	1602.	9.957
197.	8.62	1603.	9.961
198.	8.648	1604.	9.946
199.	8.674	1605.	9.888
200.	8.724	1606.	9.889
201.	8.685	1607.	9.84
202.	8.748	1608.	9.83
203.	8.781	1609.	9.806
204.	8.79	1610.	9.785
205.	8.815	1611.	9.74
206.	8.849	1612.	9.755
207.	8.865	1613.	9.696
208.	8.866	1614.	9.703
209.	8.93	1615.	9.669
210.	8.973	1616.	9.646
211.	8.946	1617.	9.617
212.	8.99	1618.	9.593
213.	9.031	1619.	9.548
214.	9.033	1620.	9.566
215.	9.04	1621.	9.519
216.	9.068	1622.	9.521
217.	9.12	1623.	9.472
218.	9.13	1624.	9.508
219.	9.16	1625.	9.497
220.	9.154	1626.	9.468
221.	9.205	1627.	9.42
222.	9.22	1628.	9.38
223.	9.233	1629.	9.385
224.	9.26	1630.	9.38
225.	9.262	1631.	9.322
226.	9.295	1632.	9.291
227.	9.34	1633.	9.296
228.	9.312	1634.	9.272
229.	9.36	1635.	9.27
230.	9.38	1636.	9.222

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	9.378	1637.	9.238
232.	9.424	1638.	9.202
233.	9.427	1639.	9.191
234.	9.471	1640.	9.176
235.	9.498	1641.	9.129
236.	9.528	1642.	9.131
237.	9.529	1643.	9.099
238.	9.523	1644.	9.116
239.	9.545	1645.	9.074
240.	9.606	1646.	9.044
241.	9.617	1647.	9.036
242.	9.645	1648.	9.021
243.	9.657	1649.	9.005
244.	9.642	1650.	8.96
245.	9.693	1651.	8.944
246.	9.71	1652.	8.929
247.	9.717	1653.	8.885
248.	9.744	1654.	8.902
249.	9.734	1655.	8.884
250.	9.762	1656.	8.859
251.	9.789	1657.	8.849
252.	9.832	1658.	8.85
253.	9.841	1659.	8.809
254.	9.86	1660.	8.818
255.	9.866	1661.	8.773
256.	9.862	1662.	8.779
257.	9.901	1663.	8.744
258.	9.924	1664.	8.732
259.	9.946	1665.	8.744
260.	9.976	1666.	8.713
261.	10.01	1667.	8.721
262.	10.	1668.	8.665
263.	10.01	1669.	8.658
264.	10.04	1670.	8.624
265.	10.08	1671.	8.592
266.	10.05	1672.	8.606
267.	10.09	1673.	8.569
268.	10.09	1674.	8.575
269.	10.15	1675.	8.563
270.	10.14	1676.	8.567
271.	10.13	1677.	8.511
272.	10.19	1678.	8.507
273.	10.17	1679.	8.474
274.	10.24	1680.	8.473
275.	10.24	1681.	8.479
276.	10.25	1682.	8.436
277.	10.27	1683.	8.417
278.	10.29	1684.	8.411
279.	10.31	1685.	8.4
280.	10.33	1686.	8.396
281.	10.35	1687.	8.381
282.	10.37	1688.	8.339
283.	10.38	1689.	8.338
284.	10.4	1690.	8.303
285.	10.39	1691.	8.312
286.	10.44	1692.	8.294
287.	10.45	1693.	8.275
288.	10.46	1694.	8.285
289.	10.46	1695.	8.234
290.	10.49	1696.	8.248
291.	10.51	1697.	8.221
292.	10.51	1698.	8.203
293.	10.53	1699.	8.226
294.	10.54	1700.	8.18
295.	10.57	1701.	8.163
296.	10.58	1702.	8.151

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	10.59	1703.	8.149
298.	10.62	1704.	8.12
299.	10.66	1705.	8.119
300.	10.63	1706.	8.12
301.	10.67	1707.	8.092
302.	10.67	1708.	8.084
303.	10.68	1709.	8.033
304.	10.71	1710.	8.058
305.	10.74	1711.	8.054
306.	10.74	1712.	7.996
307.	10.74	1713.	7.997
308.	10.76	1714.	8.024
309.	10.81	1715.	8.002
310.	10.77	1716.	7.949
311.	10.83	1717.	8.009
312.	10.8	1718.	7.935
313.	10.84	1719.	7.933
314.	10.86	1720.	7.94
315.	10.87	1721.	7.918
316.	10.89	1722.	7.892
317.	10.94	1723.	7.884
318.	10.93	1724.	7.867
319.	10.96	1725.	7.859
320.	10.99	1726.	7.844
321.	10.96	1727.	7.853
322.	10.98	1728.	7.822
323.	10.98	1729.	7.786
324.	11.	1730.	7.802
325.	11.05	1731.	7.773
326.	11.04	1732.	7.78
327.	11.07	1733.	7.766
328.	11.06	1734.	7.774
329.	11.06	1735.	7.758
330.	11.09	1736.	7.747
331.	11.1	1737.	7.691
332.	11.11	1738.	7.703
333.	11.14	1739.	7.681
334.	11.12	1740.	7.68
335.	11.17	1741.	7.668
336.	11.18	1742.	7.668
337.	11.19	1743.	7.638
338.	11.22	1744.	7.594
339.	11.2	1745.	7.617
340.	11.21	1746.	7.633
341.	11.27	1747.	7.565
342.	11.26	1748.	7.553
343.	11.25	1749.	7.574
344.	11.27	1750.	7.572
345.	11.29	1751.	7.553
346.	11.32	1752.	7.552
347.	11.33	1753.	7.525
348.	11.33	1754.	7.48
349.	11.34	1755.	7.472
350.	11.4	1756.	7.503
351.	11.34	1757.	7.483
352.	11.39	1758.	7.477
353.	11.41	1759.	7.488
354.	11.43	1760.	7.457
355.	11.39	1761.	7.418
356.	11.42	1762.	7.421
357.	11.44	1763.	7.438
358.	11.46	1764.	7.422
359.	11.48	1765.	7.382
360.	11.46	1766.	7.387
361.	11.48	1767.	7.385
362.	11.53	1768.	7.372

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	11.48	1769.	7.365
364.	11.48	1770.	7.354
365.	11.51	1771.	7.315
366.	11.5	1772.	7.316
367.	11.5	1773.	7.291
368.	11.49	1774.	7.3
369.	11.54	1775.	7.286
370.	11.55	1776.	7.273
371.	11.51	1777.	7.283
372.	11.54	1778.	7.246
373.	11.56	1779.	7.214
374.	11.55	1780.	7.235
375.	11.56	1781.	7.217
376.	11.59	1782.	7.23
377.	11.59	1783.	7.176
378.	11.61	1784.	7.181
379.	11.61	1785.	7.183
380.	11.6	1786.	7.157
381.	11.58	1787.	7.14
382.	11.62	1788.	7.148
383.	11.62	1789.	7.13
384.	11.62	1790.	7.123
385.	11.65	1791.	7.098
386.	11.65	1792.	7.116
387.	11.66	1793.	7.084
388.	11.66	1794.	7.105
389.	11.63	1795.	7.076
390.	11.65	1796.	7.048
391.	11.65	1797.	7.021
392.	11.65	1798.	7.04
393.	11.71	1799.	7.049
394.	11.7	1800.	7.03
395.	11.7	1801.	7.015
396.	11.71	1802.	7.011
397.	11.71	1803.	6.992
398.	11.73	1804.	6.982
399.	11.74	1805.	6.986
400.	11.73	1806.	6.983
401.	11.76	1807.	6.968
402.	11.76	1808.	6.938
403.	11.75	1809.	6.966
404.	11.78	1810.	6.938
405.	11.79	1811.	6.927
406.	11.82	1812.	6.938
407.	11.82	1813.	6.921
408.	11.83	1814.	6.88
409.	11.84	1815.	6.919
410.	11.88	1816.	6.884
411.	11.85	1817.	6.838
412.	11.86	1818.	6.873
413.	11.89	1819.	6.862
414.	11.93	1820.	6.875
415.	11.91	1821.	6.835
416.	11.93	1822.	6.838
417.	11.94	1823.	6.837
418.	11.91	1824.	6.82
419.	11.95	1825.	6.791
420.	11.96	1826.	6.767
421.	11.97	1827.	6.754
422.	12.	1828.	6.762
423.	11.97	1829.	6.753
424.	11.98	1830.	6.755
425.	12.03	1831.	6.741
426.	12.04	1832.	6.721
427.	12.02	1833.	6.718
428.	12.07	1834.	6.701

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	12.05	1835.	6.706
430.	12.09	1836.	6.698
431.	12.1	1837.	6.671
432.	12.11	1838.	6.675
433.	12.12	1839.	6.695
434.	12.12	1840.	6.695
435.	12.15	1841.	6.641
436.	12.14	1842.	6.653
437.	12.17	1843.	6.635
438.	12.15	1844.	6.629
439.	12.16	1845.	6.638
440.	12.19	1846.	6.586
441.	12.24	1847.	6.597
442.	12.2	1848.	6.59
443.	12.21	1849.	6.599
444.	12.23	1850.	6.602
445.	12.23	1851.	6.562
446.	12.27	1852.	6.547
447.	12.28	1853.	6.556
448.	12.24	1854.	6.534
449.	12.28	1855.	6.506
450.	12.29	1856.	6.531
451.	12.31	1857.	6.532
452.	12.3	1858.	6.484
453.	12.33	1859.	6.505
454.	12.34	1860.	6.469
455.	12.32	1861.	6.505
456.	12.36	1862.	6.487
457.	12.37	1863.	6.481
458.	12.39	1864.	6.435
459.	12.39	1865.	6.477
460.	12.39	1866.	6.44
461.	12.42	1867.	6.437
462.	12.43	1868.	6.435
463.	12.45	1869.	6.444
464.	12.45	1870.	6.41
465.	12.45	1871.	6.398
466.	12.45	1872.	6.402
467.	12.48	1873.	6.396
468.	12.5	1874.	6.367
469.	12.48	1875.	6.359
470.	12.53	1876.	6.365
471.	12.52	1877.	6.361
472.	12.54	1878.	6.362
473.	12.54	1879.	6.366
474.	12.54	1880.	6.332
475.	12.55	1881.	6.343
476.	12.57	1882.	6.342
477.	12.58	1883.	6.283
478.	12.58	1884.	6.312
479.	12.62	1885.	6.281
480.	12.59	1886.	6.308
481.	12.62	1887.	6.299
482.	12.64	1888.	6.263
483.	12.63	1889.	6.282
484.	12.68	1890.	6.27
485.	12.66	1891.	6.281
486.	12.65	1892.	6.225
487.	12.66	1893.	6.225
488.	12.69	1894.	6.25
489.	12.7	1895.	6.215
490.	12.73	1896.	6.248
491.	12.71	1897.	6.192
492.	12.73	1898.	6.229
493.	12.71	1899.	6.2
494.	12.77	1900.	6.205

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	12.75	1901.	6.183
496.	12.71	1902.	6.175
497.	12.78	1903.	6.163
498.	12.79	1904.	6.14
499.	12.78	1905.	6.176
500.	12.8	1906.	6.15
501.	12.81	1907.	6.135
502.	12.82	1908.	6.1
503.	12.83	1909.	6.135
504.	12.86	1910.	6.098
505.	12.85	1911.	6.105
506.	12.84	1912.	6.109
507.	12.87	1913.	6.13
508.	12.86	1914.	6.073
509.	12.87	1915.	6.093
510.	12.89	1916.	6.061
511.	12.92	1917.	6.071
512.	12.92	1918.	6.069
513.	12.94	1919.	6.045
514.	12.94	1920.	6.068
515.	12.92	1921.	6.08
516.	12.96	1922.	6.037
517.	12.96	1923.	6.009
518.	12.96	1924.	6.03
519.	12.98	1925.	6.016
520.	12.97	1926.	5.991
521.	12.98	1927.	6.03
522.	12.99	1928.	5.994
523.	13.01	1929.	5.991
524.	13.01	1930.	5.971
525.	13.03	1931.	5.973
526.	13.03	1932.	5.972
527.	13.04	1933.	5.947
528.	13.05	1934.	5.967
529.	13.07	1935.	5.968
530.	13.07	1936.	5.956
531.	13.07	1937.	5.951
532.	13.09	1938.	5.944
533.	13.08	1939.	5.918
534.	13.09	1940.	5.938
535.	13.1	1941.	5.896
536.	13.11	1942.	5.904
537.	13.12	1943.	5.89
538.	13.15	1944.	5.89
539.	13.15	1945.	5.89
540.	13.15	1946.	5.877
541.	13.17	1947.	5.857
542.	13.2	1948.	5.854
543.	13.18	1949.	5.869
544.	13.22	1950.	5.871
545.	13.21	1951.	5.836
546.	13.23	1952.	5.846
547.	13.2	1953.	5.81
548.	13.23	1954.	5.819
549.	13.23	1955.	5.835
550.	13.26	1956.	5.805
551.	13.26	1957.	5.809
552.	13.25	1958.	5.769
553.	13.25	1959.	5.802
554.	13.3	1960.	5.777
555.	13.27	1961.	5.787
556.	13.33	1962.	5.817
557.	13.3	1963.	5.75
558.	13.3	1964.	5.747
559.	13.35	1965.	5.767
560.	13.34	1966.	5.755

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	13.33	1967.	5.753
562.	13.35	1968.	5.745
563.	13.36	1969.	5.729
564.	13.35	1970.	5.713
565.	13.37	1971.	5.739
566.	13.37	1972.	5.719
567.	13.37	1973.	5.715
568.	13.38	1974.	5.721
569.	13.42	1975.	5.733
570.	13.38	1976.	5.685
571.	13.41	1977.	5.679
572.	13.42	1978.	5.696
573.	13.43	1979.	5.682
574.	13.47	1980.	5.673
575.	13.46	1981.	5.675
576.	13.45	1982.	5.656
577.	13.42	1983.	5.632
578.	13.43	1984.	5.652
579.	13.47	1985.	5.641
580.	13.46	1986.	5.613
581.	13.47	1987.	5.637
582.	13.49	1988.	5.633
583.	13.52	1989.	5.593
584.	13.51	1990.	5.597
585.	13.53	1991.	5.591
586.	13.53	1992.	5.598
587.	13.53	1993.	5.625
588.	13.52	1994.	5.575
589.	13.56	1995.	5.586
590.	13.55	1996.	5.589
591.	13.54	1997.	5.569
592.	13.56	1998.	5.57
593.	13.58	1999.	5.566
594.	13.6	2000.	5.554
595.	13.6	2001.	5.554
596.	13.59	2002.	5.543
597.	13.6	2003.	5.522
598.	13.59	2004.	5.504
599.	13.61	2005.	5.545
600.	13.63	2006.	5.531
601.	13.64	2007.	5.514
602.	13.66	2008.	5.512
603.	13.65	2009.	5.552
604.	13.64	2010.	5.51
605.	13.66	2011.	5.529
606.	13.68	2012.	5.479
607.	13.68	2013.	5.472
608.	13.69	2014.	5.473
609.	13.7	2015.	5.461
610.	13.7	2016.	5.477
611.	13.72	2017.	5.458
612.	13.73	2018.	5.487
613.	13.7	2019.	5.465
614.	13.71	2020.	5.42
615.	13.75	2021.	5.466
616.	13.73	2022.	5.436
617.	13.79	2023.	5.459
618.	13.73	2024.	5.448
619.	13.78	2025.	5.421
620.	13.77	2026.	5.394
621.	13.78	2027.	5.383
622.	13.79	2028.	5.412
623.	13.83	2029.	5.389
624.	13.81	2030.	5.409
625.	13.82	2031.	5.4
626.	13.82	2032.	5.4

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	13.82	2033.	5.346
628.	13.83	2034.	5.366
629.	13.85	2035.	5.376
630.	13.85	2036.	5.358
631.	13.85	2037.	5.347
632.	13.83	2038.	5.368
633.	13.87	2039.	5.371
634.	13.87	2040.	5.326
635.	13.89	2041.	5.313
636.	13.9	2042.	5.336
637.	13.9	2043.	5.32
638.	13.92	2044.	5.299
639.	13.93	2045.	5.297
640.	13.89	2046.	5.326
641.	13.93	2047.	5.293
642.	13.94	2048.	5.274
643.	13.95	2049.	5.313
644.	13.96	2050.	5.287
645.	13.96	2051.	5.312
646.	13.98	2052.	5.277
647.	13.96	2053.	5.257
648.	13.97	2054.	5.267
649.	13.98	2055.	5.259
650.	14.03	2056.	5.248
651.	13.97	2057.	5.252
652.	14.02	2058.	5.277
653.	13.98	2059.	5.248
654.	14.01	2060.	5.252
655.	14.02	2061.	5.239
656.	14.05	2062.	5.215
657.	14.04	2063.	5.204
658.	14.03	2064.	5.211
659.	14.05	2065.	5.223
660.	14.07	2066.	5.198
661.	14.06	2067.	5.222
662.	14.09	2068.	5.221
663.	14.06	2069.	5.211
664.	14.09	2070.	5.178
665.	14.06	2071.	5.177
666.	14.1	2072.	5.191
667.	14.1	2073.	5.161
668.	14.14	2074.	5.179
669.	14.11	2075.	5.178
670.	14.14	2076.	5.157
671.	14.12	2077.	5.163
672.	14.13	2078.	5.156
673.	14.14	2079.	5.142
674.	14.17	2080.	5.152
675.	14.15	2081.	5.151
676.	14.17	2082.	5.121
677.	14.16	2083.	5.144
678.	14.16	2084.	5.133
679.	14.2	2085.	5.127
680.	14.17	2086.	5.1
681.	14.19	2087.	5.117
682.	14.16	2088.	5.099
683.	14.2	2089.	5.109
684.	14.21	2090.	5.088
685.	14.2	2091.	5.114
686.	14.23	2092.	5.107
687.	14.2	2093.	5.053
688.	14.25	2094.	5.071
689.	14.24	2095.	5.073
690.	14.26	2096.	5.087
691.	14.26	2097.	5.052
692.	14.26	2098.	5.067

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	14.27	2099.	5.052
694.	14.29	2100.	5.069
695.	14.29	2101.	5.051
696.	14.31	2102.	5.015
697.	14.33	2103.	5.038
698.	14.34	2104.	5.044
699.	14.32	2105.	5.039
700.	14.34	2106.	5.02
701.	14.34	2107.	5.016
702.	14.36	2108.	4.988
703.	14.35	2109.	5.059
704.	14.35	2110.	4.995
705.	14.36	2111.	5.044
706.	14.37	2112.	5.004
707.	14.39	2113.	5.009
708.	14.38	2114.	4.996
709.	14.38	2115.	4.967
710.	14.37	2116.	4.96
711.	14.39	2117.	4.972
712.	14.4	2118.	4.984
713.	14.39	2119.	4.968
714.	14.41	2120.	4.989
715.	14.43	2121.	4.988
716.	14.43	2122.	4.953
717.	14.42	2123.	4.97
718.	14.44	2124.	4.967
719.	14.45	2125.	4.956
720.	14.44	2126.	4.938
721.	14.45	2127.	4.954
722.	14.48	2128.	4.935
723.	14.49	2129.	4.924
724.	14.5	2130.	4.949
725.	14.52	2131.	4.935
726.	14.49	2132.	4.954
727.	14.48	2133.	4.927
728.	14.48	2134.	4.905
729.	14.5	2135.	4.902
730.	14.54	2136.	4.876
731.	14.52	2137.	4.882
732.	14.54	2138.	4.88
733.	14.51	2139.	4.905
734.	14.55	2140.	4.925
735.	14.54	2141.	4.857
736.	14.53	2142.	4.868
737.	14.58	2143.	4.855
738.	14.57	2144.	4.88
739.	14.57	2145.	4.885
740.	14.55	2146.	4.875
741.	14.6	2147.	4.86
742.	14.59	2148.	4.855
743.	14.61	2149.	4.838
744.	14.59	2150.	4.827
745.	14.63	2151.	4.863
746.	14.59	2152.	4.823
747.	14.64	2153.	4.83
748.	14.65	2154.	4.809
749.	14.63	2155.	4.841
750.	14.62	2156.	4.856
751.	14.65	2157.	4.838
752.	14.68	2158.	4.845
753.	14.67	2159.	4.828
754.	14.67	2160.	4.824
755.	14.64	2161.	4.818
756.	14.7	2162.	4.789
757.	14.7	2163.	4.81
758.	14.7	2164.	4.778

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	14.72	2165.	4.777
760.	14.71	2166.	4.788
761.	14.74	2167.	4.793
762.	14.74	2168.	4.769
763.	14.72	2169.	4.785
764.	14.75	2170.	4.775
765.	14.74	2171.	4.782
766.	14.72	2172.	4.766
767.	14.73	2173.	4.738
768.	14.76	2174.	4.756
769.	14.76	2175.	4.75
770.	14.77	2176.	4.742
771.	14.77	2177.	4.734
772.	14.77	2178.	4.723
773.	14.8	2179.	4.746
774.	14.81	2180.	4.735
775.	14.81	2181.	4.706
776.	14.77	2182.	4.756
777.	14.81	2183.	4.734
778.	14.81	2184.	4.707
779.	14.85	2185.	4.717
780.	14.84	2186.	4.727
781.	14.83	2187.	4.708
782.	14.86	2188.	4.723
783.	14.85	2189.	4.682
784.	14.86	2190.	4.677
785.	14.87	2191.	4.693
786.	14.86	2192.	4.692
787.	14.86	2193.	4.697
788.	14.88	2194.	4.668
789.	14.88	2195.	4.668
790.	14.9	2196.	4.688
791.	14.88	2197.	4.663
792.	14.92	2198.	4.667
793.	14.92	2199.	4.67
794.	14.9	2200.	4.663
795.	14.89	2201.	4.645
796.	14.94	2202.	4.639
797.	14.91	2203.	4.625
798.	14.94	2204.	4.657
799.	14.98	2205.	4.646
800.	14.93	2206.	4.648
801.	14.94	2207.	4.624
802.	14.97	2208.	4.634
803.	14.96	2209.	4.633
804.	14.96	2210.	4.613
805.	14.96	2211.	4.609
806.	14.97	2212.	4.619
807.	14.97	2213.	4.646
808.	14.99	2214.	4.61
809.	15.	2215.	4.598
810.	15.	2216.	4.591
811.	15.03	2217.	4.592
812.	15.02	2218.	4.579
813.	14.98	2219.	4.596
814.	15.03	2220.	4.618
815.	15.05	2221.	4.608
816.	15.02	2222.	4.62
817.	15.03	2223.	4.568
818.	15.06	2224.	4.558
819.	15.06	2225.	4.561
820.	15.04	2226.	4.567
821.	15.08	2227.	4.569
822.	15.08	2228.	4.546
823.	15.1	2229.	4.56
824.	15.11	2230.	4.526

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	15.07	2231.	4.536
826.	15.07	2232.	4.543
827.	15.1	2233.	4.548
828.	15.07	2234.	4.535
829.	15.14	2235.	4.552
830.	15.08	2236.	4.513
831.	15.08	2237.	4.512
832.	15.13	2238.	4.528
833.	15.13	2239.	4.535
834.	15.13	2240.	4.529
835.	15.15	2241.	4.521
836.	15.17	2242.	4.521
837.	15.15	2243.	4.525
838.	15.18	2244.	4.492
839.	15.16	2245.	4.522
840.	15.17	2246.	4.488
841.	15.2	2247.	4.5
842.	15.22	2248.	4.467
843.	15.19	2249.	4.495
844.	15.2	2250.	4.495
845.	15.21	2251.	4.494
846.	15.19	2252.	4.474
847.	15.21	2253.	4.448
848.	15.23	2254.	4.499
849.	15.22	2255.	4.475
850.	15.25	2256.	4.484
851.	15.22	2257.	4.456
852.	15.23	2258.	4.449
853.	15.27	2259.	4.474
854.	15.26	2260.	4.442
855.	15.26	2261.	4.433
856.	15.27	2262.	4.423
857.	15.26	2263.	4.429
858.	15.26	2264.	4.455
859.	15.27	2265.	4.434
860.	15.3	2266.	4.445
861.	15.28	2267.	4.444
862.	15.29	2268.	4.427
863.	15.33	2269.	4.434
864.	15.31	2270.	4.425
865.	15.31	2271.	4.416
866.	15.32	2272.	4.413
867.	15.33	2273.	4.425
868.	15.34	2274.	4.443
869.	15.34	2275.	4.441
870.	15.33	2276.	4.405
871.	15.35	2277.	4.384
872.	15.36	2278.	4.4
873.	15.34	2279.	4.405
874.	15.36	2280.	4.405
875.	15.36	2281.	4.406
876.	15.38	2282.	4.378
877.	15.4	2283.	4.4
878.	15.4	2284.	4.364
879.	15.38	2285.	4.409
880.	15.39	2286.	4.371
881.	15.38	2287.	4.364
882.	15.41	2288.	4.384
883.	15.41	2289.	4.358
884.	15.4	2290.	4.356
885.	15.43	2291.	4.343
886.	15.43	2292.	4.358
887.	15.42	2293.	4.361
888.	15.43	2294.	4.347
889.	15.45	2295.	4.375
890.	15.48	2296.	4.323

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	15.46	2297.	4.361
892.	15.48	2298.	4.291
893.	15.46	2299.	4.347
894.	15.48	2300.	4.32
895.	15.46	2301.	4.362
896.	15.46	2302.	4.32
897.	15.5	2303.	4.344
898.	15.47	2304.	4.334
899.	15.47	2305.	4.34
900.	15.5	2306.	4.316
901.	15.49	2307.	4.316
902.	15.51	2308.	4.338
903.	15.5	2309.	4.284
904.	15.5	2310.	4.325
905.	15.52	2311.	4.296
906.	15.55	2312.	4.289
907.	15.54	2313.	4.273
908.	15.52	2314.	4.278
909.	15.57	2315.	4.277
910.	15.59	2316.	4.289
911.	15.54	2317.	4.294
912.	15.53	2318.	4.284
913.	15.58	2319.	4.273
914.	15.56	2320.	4.302
915.	15.59	2321.	4.295
916.	15.59	2322.	4.273
917.	15.58	2323.	4.26
918.	15.62	2324.	4.251
919.	15.6	2325.	4.254
920.	15.58	2326.	4.27
921.	15.59	2327.	4.263
922.	15.6	2328.	4.261
923.	15.63	2329.	4.272
924.	15.62	2330.	4.265
925.	15.62	2331.	4.207
926.	15.64	2332.	4.249
927.	15.63	2333.	4.234
928.	15.65	2334.	4.237
929.	15.64	2335.	4.219
930.	15.64	2336.	4.244
931.	15.67	2337.	4.225
932.	15.66	2338.	4.208
933.	15.67	2339.	4.228
934.	15.69	2340.	4.225
935.	15.68	2341.	4.223
936.	15.68	2342.	4.231
937.	15.7	2343.	4.206
938.	15.69	2344.	4.228
939.	15.74	2345.	4.182
940.	15.68	2346.	4.189
941.	15.69	2347.	4.204
942.	15.68	2348.	4.186
943.	15.7	2349.	4.187
944.	15.73	2350.	4.178
945.	15.75	2351.	4.177
946.	15.74	2352.	4.181
947.	15.73	2353.	4.208
948.	15.74	2354.	4.18
949.	15.75	2355.	4.179
950.	15.76	2356.	4.182
951.	15.76	2357.	4.174
952.	15.75	2358.	4.141
953.	15.72	2359.	4.173
954.	15.77	2360.	4.15
955.	15.75	2361.	4.149
956.	15.8	2362.	4.145

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	15.8	2363.	4.139
958.	15.77	2364.	4.133
959.	15.78	2365.	4.153
960.	15.81	2366.	4.124
961.	15.76	2367.	4.144
962.	15.77	2368.	4.121
963.	15.81	2369.	4.135
964.	15.81	2370.	4.155
965.	15.81	2371.	4.107
966.	15.81	2372.	4.161
967.	15.8	2373.	4.111
968.	15.82	2374.	4.12
969.	15.82	2375.	4.105
970.	15.83	2376.	4.103
971.	15.84	2377.	4.107
972.	15.83	2378.	4.117
973.	15.84	2379.	4.098
974.	15.83	2380.	4.113
975.	15.86	2381.	4.099
976.	15.87	2382.	4.085
977.	15.9	2383.	4.075
978.	15.86	2384.	4.035
979.	15.89	2385.	4.084
980.	15.86	2386.	4.08
981.	15.87	2387.	4.063
982.	15.89	2388.	4.097
983.	15.87	2389.	4.092
984.	15.91	2390.	4.083
985.	15.91	2391.	4.073
986.	15.92	2392.	4.098
987.	15.92	2393.	4.084
988.	15.93	2394.	4.089
989.	15.94	2395.	4.066
990.	15.91	2396.	4.07
991.	15.93	2397.	4.073
992.	15.95	2398.	4.076
993.	15.92	2399.	4.059
994.	15.96	2400.	4.031
995.	15.94	2401.	4.049
996.	15.95	2402.	4.061
997.	15.94	2403.	4.038
998.	15.96	2404.	4.041
999.	15.96	2405.	4.059
1000.	15.98	2406.	4.039
1001.	15.99	2407.	4.04
1002.	15.99	2408.	4.041
1003.	16.01	2409.	4.021
1004.	15.96	2410.	4.013
1005.	15.99	2411.	4.034
1006.	15.99	2412.	3.989
1007.	16.	2413.	4.01
1008.	16.01	2414.	4.045
1009.	16.	2415.	4.01
1010.	16.01	2416.	4.014
1011.	16.03	2417.	3.989
1012.	16.02	2418.	3.96
1013.	16.06	2419.	3.99
1014.	16.04	2420.	4.003
1015.	16.05	2421.	3.96
1016.	16.04	2422.	3.952
1017.	16.05	2423.	4.006
1018.	16.03	2424.	3.971
1019.	16.05	2425.	4.
1020.	16.07	2426.	3.989
1021.	16.06	2427.	3.958
1022.	16.04	2428.	3.973

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	16.09	2429.	3.981
1024.	16.07	2430.	3.944
1025.	16.06	2431.	3.992
1026.	16.11	2432.	3.951
1027.	16.1	2433.	3.97
1028.	16.08	2434.	3.97
1029.	16.11	2435.	3.941
1030.	16.1	2436.	3.96
1031.	16.1	2437.	3.955
1032.	16.12	2438.	3.923
1033.	16.07	2439.	3.951
1034.	16.09	2440.	3.922
1035.	16.12	2441.	3.948
1036.	16.13	2442.	3.963
1037.	16.12	2443.	3.929
1038.	16.16	2444.	3.903
1039.	16.12	2445.	3.926
1040.	16.13	2446.	3.947
1041.	16.14	2447.	3.924
1042.	16.16	2448.	3.905
1043.	16.14	2449.	3.917
1044.	16.14	2450.	3.903
1045.	16.15	2451.	3.938
1046.	16.17	2452.	3.929
1047.	16.16	2453.	3.92
1048.	16.16	2454.	3.913
1049.	16.17	2455.	3.883
1050.	16.18	2456.	3.902
1051.	16.2	2457.	3.89
1052.	16.22	2458.	3.892
1053.	16.19	2459.	3.896
1054.	16.21	2460.	3.888
1055.	16.18	2461.	3.874
1056.	16.21	2462.	3.91
1057.	16.2	2463.	3.867
1058.	16.21	2464.	3.861
1059.	16.23	2465.	3.863
1060.	16.21	2466.	3.849
1061.	16.24	2467.	3.891
1062.	16.19	2468.	3.872
1063.	16.22	2469.	3.878
1064.	16.24	2470.	3.852
1065.	16.26	2471.	3.842
1066.	16.23	2472.	3.862
1067.	16.24	2473.	3.858
1068.	16.26	2474.	3.867
1069.	16.26	2475.	3.883
1070.	16.24	2476.	3.838
1071.	16.25	2477.	3.863
1072.	16.29	2478.	3.859
1073.	16.31	2479.	3.842
1074.	16.24	2480.	3.844
1075.	16.31	2481.	3.85
1076.	16.28	2482.	3.859
1077.	16.31	2483.	3.828
1078.	16.3	2484.	3.814
1079.	16.29	2485.	3.818
1080.	16.3	2486.	3.822
1081.	16.33	2487.	3.824
1082.	16.32	2488.	3.846
1083.	16.33	2489.	3.827
1084.	16.32	2490.	3.796
1085.	16.3	2491.	3.815
1086.	16.33	2492.	3.808
1087.	16.34	2493.	3.817
1088.	16.34	2494.	3.816

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	16.35	2495.	3.782
1090.	16.33	2496.	3.813
1091.	16.35	2497.	3.809
1092.	16.34	2498.	3.758
1093.	16.34	2499.	3.798
1094.	16.4	2500.	3.827
1095.	16.39	2501.	3.789
1096.	16.36	2502.	3.793
1097.	16.38	2503.	3.756
1098.	16.4	2504.	3.747
1099.	16.39	2505.	3.772
1100.	16.42	2506.	3.788
1101.	16.41	2507.	3.78
1102.	16.38	2508.	3.761
1103.	16.4	2509.	3.756
1104.	16.41	2510.	3.798
1105.	16.41	2511.	3.767
1106.	16.4	2512.	3.77
1107.	16.4	2513.	3.773
1108.	16.44	2514.	3.743
1109.	16.42	2515.	3.776
1110.	16.44	2516.	3.748
1111.	16.43	2517.	3.761
1112.	16.42	2518.	3.738
1113.	16.45	2519.	3.757
1114.	16.47	2520.	3.732
1115.	16.45	2521.	3.752
1116.	16.46	2522.	3.723
1117.	16.45	2523.	3.723
1118.	16.45	2524.	3.716
1119.	16.43	2525.	3.704
1120.	16.48	2526.	3.738
1121.	16.47	2527.	3.706
1122.	16.47	2528.	3.743
1123.	16.47	2529.	3.7
1124.	16.49	2530.	3.687
1125.	16.5	2531.	3.687
1126.	16.51	2532.	3.714
1127.	16.5	2533.	3.696
1128.	16.46	2534.	3.738
1129.	16.5	2535.	3.714
1130.	16.49	2536.	3.697
1131.	16.49	2537.	3.693
1132.	16.49	2538.	3.689
1133.	16.5	2539.	3.661
1134.	16.56	2540.	3.676
1135.	16.53	2541.	3.704
1136.	16.54	2542.	3.68
1137.	16.52	2543.	3.686
1138.	16.52	2544.	3.66
1139.	16.53	2545.	3.686
1140.	16.52	2546.	3.668
1141.	16.52	2547.	3.669
1142.	16.55	2548.	3.659
1143.	16.57	2549.	3.644
1144.	16.56	2550.	3.664
1145.	16.57	2551.	3.628
1146.	16.54	2552.	3.651
1147.	16.55	2553.	3.663
1148.	16.57	2554.	3.658
1149.	16.56	2555.	3.618
1150.	16.58	2556.	3.663
1151.	16.54	2557.	3.638
1152.	16.57	2558.	3.61
1153.	16.57	2559.	3.65
1154.	16.59	2560.	3.626

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	16.59	2561.	3.636
1156.	16.59	2562.	3.649
1157.	16.6	2563.	3.613
1158.	16.61	2564.	3.617
1159.	16.61	2565.	3.595
1160.	16.62	2566.	3.614
1161.	16.6	2567.	3.622
1162.	16.59	2568.	3.63
1163.	16.62	2569.	3.629
1164.	16.61	2570.	3.616
1165.	16.62	2571.	3.612
1166.	16.6	2572.	3.598
1167.	16.61	2573.	3.614
1168.	16.63	2574.	3.58
1169.	16.67	2575.	3.592
1170.	16.63	2576.	3.601
1171.	16.63	2577.	3.606
1172.	16.65	2578.	3.575
1173.	16.65	2579.	3.583
1174.	16.66	2580.	3.582
1175.	16.67	2581.	3.593
1176.	16.64	2582.	3.596
1177.	16.66	2583.	3.595
1178.	16.68	2584.	3.586
1179.	16.69	2585.	3.561
1180.	16.65	2586.	3.565
1181.	16.68	2587.	3.581
1182.	16.64	2588.	3.572
1183.	16.64	2589.	3.557
1184.	16.63	2590.	3.557
1185.	16.64	2591.	3.567
1186.	16.62	2592.	3.577
1187.	16.6	2593.	3.586
1188.	16.58	2594.	3.54
1189.	16.57	2595.	3.548
1190.	16.57	2596.	3.549
1191.	16.56	2597.	3.577
1192.	16.52	2598.	3.563
1193.	16.51	2599.	3.554
1194.	16.53	2600.	3.551
1195.	16.5	2601.	3.549
1196.	16.47	2602.	3.522
1197.	16.45	2603.	3.519
1198.	16.42	2604.	3.502
1199.	16.47	2605.	3.514
1200.	16.42	2606.	3.52
1201.	16.4	2607.	3.536
1202.	16.4	2608.	3.505
1203.	16.37	2609.	3.527
1204.	16.4	2610.	3.504
1205.	16.38	2611.	3.521
1206.	16.37	2612.	3.529
1207.	16.35	2613.	3.544
1208.	16.34	2614.	3.517
1209.	16.31	2615.	3.498
1210.	16.29	2616.	3.509
1211.	16.31	2617.	3.514
1212.	16.26	2618.	3.515
1213.	16.25	2619.	3.525
1214.	16.24	2620.	3.494
1215.	16.27	2621.	3.49
1216.	16.21	2622.	3.508
1217.	16.24	2623.	3.516
1218.	16.23	2624.	3.501
1219.	16.22	2625.	3.513
1220.	16.22	2626.	3.494

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	16.18	2627.	3.487
1222.	16.18	2628.	3.494
1223.	16.18	2629.	3.448
1224.	16.15	2630.	3.485
1225.	16.14	2631.	3.476
1226.	16.15	2632.	3.473
1227.	16.14	2633.	3.455
1228.	16.13	2634.	3.482
1229.	16.15	2635.	3.496
1230.	16.16	2636.	3.471
1231.	16.16	2637.	3.469
1232.	16.16	2638.	3.465
1233.	16.16	2639.	3.465
1234.	16.16	2640.	3.462
1235.	16.2	2641.	3.482
1236.	16.19	2642.	3.471
1237.	16.18	2643.	3.454
1238.	16.19	2644.	3.462
1239.	16.23	2645.	3.431
1240.	16.23	2646.	3.458
1241.	16.22	2647.	3.467
1242.	16.24	2648.	3.451
1243.	16.28	2649.	3.434
1244.	16.28	2650.	3.421
1245.	16.31	2651.	3.416
1246.	16.27	2652.	3.415
1247.	16.28	2653.	3.45
1248.	16.3	2654.	3.429
1249.	16.31	2655.	3.431
1250.	16.32	2656.	3.425
1251.	16.34	2657.	3.409
1252.	16.35	2658.	3.407
1253.	16.34	2659.	3.43
1254.	16.37	2660.	3.41
1255.	16.38	2661.	3.4
1256.	16.38	2662.	3.423
1257.	16.38	2663.	3.397
1258.	16.35	2664.	3.385
1259.	16.4	2665.	3.438
1260.	16.39	2666.	3.393
1261.	16.44	2667.	3.392
1262.	16.45	2668.	3.405
1263.	16.43	2669.	3.382
1264.	16.47	2670.	3.389
1265.	16.48	2671.	3.397
1266.	16.49	2672.	3.386
1267.	16.47	2673.	3.407
1268.	16.49	2674.	3.406
1269.	16.46	2675.	3.415
1270.	16.51	2676.	3.38
1271.	16.51	2677.	3.357
1272.	16.51	2678.	3.366
1273.	16.54	2679.	3.346
1274.	16.52	2680.	3.402
1275.	16.53	2681.	3.386
1276.	16.56	2682.	3.37
1277.	16.54	2683.	3.378
1278.	16.56	2684.	3.337
1279.	16.56	2685.	3.323
1280.	16.59	2686.	3.367
1281.	16.61	2687.	3.363
1282.	16.59	2688.	3.343
1283.	16.62	2689.	3.357
1284.	16.6	2690.	3.345
1285.	16.62	2691.	3.329
1286.	16.6	2692.	3.361

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	16.66	2693.	3.349
1288.	16.64	2694.	3.335
1289.	16.61	2695.	3.335
1290.	16.67	2696.	3.332
1291.	16.63	2697.	3.353
1292.	16.64	2698.	3.346
1293.	16.67	2699.	3.36
1294.	16.7	2700.	3.325
1295.	16.68	2701.	3.324
1296.	16.69	2702.	3.331
1297.	16.67	2703.	3.313
1298.	16.71	2704.	3.311
1299.	16.7	2705.	3.302
1300.	16.71	2706.	3.299
1301.	16.74	2707.	3.305
1302.	16.72	2708.	3.287
1303.	16.71	2709.	3.267
1304.	16.72	2710.	3.31
1305.	16.7	2711.	3.316
1306.	16.75	2712.	3.311
1307.	16.73	2713.	3.286
1308.	16.74	2714.	3.308
1309.	16.77	2715.	3.323
1310.	16.79	2716.	3.27
1311.	16.78	2717.	3.274
1312.	16.76	2718.	3.289
1313.	16.81	2719.	3.268
1314.	16.8	2720.	3.294
1315.	16.79	2721.	3.309
1316.	16.77	2722.	3.293
1317.	16.81	2723.	3.281
1318.	16.81	2724.	3.257
1319.	16.81	2725.	3.282
1320.	16.78	2726.	3.262
1321.	16.82	2727.	3.262
1322.	16.84	2728.	3.302
1323.	16.85	2729.	3.272
1324.	16.82	2730.	3.268
1325.	16.84	2731.	3.246
1326.	16.84	2732.	3.268
1327.	16.86	2733.	3.239
1328.	16.89	2734.	3.251
1329.	16.84	2735.	3.251
1330.	16.87	2736.	3.268
1331.	16.87	2737.	3.267
1332.	16.89	2738.	3.242
1333.	16.89	2739.	3.236
1334.	16.9	2740.	3.271
1335.	16.85	2741.	3.245
1336.	16.87	2742.	3.254
1337.	16.92	2743.	3.236
1338.	16.9	2744.	3.209
1339.	16.93	2745.	3.232
1340.	16.92	2746.	3.218
1341.	16.93	2747.	3.25
1342.	16.93	2748.	3.241
1343.	16.91	2749.	3.202
1344.	16.93	2750.	3.231
1345.	16.91	2751.	3.21
1346.	16.93	2752.	3.24
1347.	16.93	2753.	3.231
1348.	16.94	2754.	3.221
1349.	16.96	2755.	3.235
1350.	16.97	2756.	3.213
1351.	16.98	2757.	3.226
1352.	16.97	2758.	3.234

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	16.97	2759.	3.206
1354.	17.	2760.	3.201
1355.	16.99	2761.	3.232
1356.	16.98	2762.	3.184
1357.	16.99	2763.	3.186
1358.	17.	2764.	3.173
1359.	17.01	2765.	3.196
1360.	17.02	2766.	3.228
1361.	17.	2767.	3.189
1362.	17.04	2768.	3.185
1363.	17.01	2769.	3.175
1364.	17.06	2770.	3.173
1365.	17.02	2771.	3.2
1366.	17.04	2772.	3.185
1367.	17.03	2773.	3.191
1368.	17.06	2774.	3.173
1369.	17.07	2775.	3.171
1370.	17.05	2776.	3.158
1371.	17.08	2777.	3.162
1372.	17.07	2778.	3.17
1373.	17.07	2779.	3.161
1374.	17.08	2780.	3.176
1375.	17.07	2781.	3.184
1376.	17.1	2782.	3.148
1377.	17.12	2783.	3.153
1378.	17.11	2784.	3.16
1379.	17.1	2785.	3.176
1380.	17.09	2786.	3.149
1381.	17.12	2787.	3.152
1382.	17.11	2788.	3.179
1383.	17.11	2789.	3.172
1384.	17.13	2790.	3.13
1385.	17.14	2791.	3.151
1386.	17.13	2792.	3.141
1387.	17.12	2793.	3.166
1388.	17.16	2794.	3.151
1389.	17.15	2795.	3.138
1390.	17.12	2796.	3.136
1391.	17.15	2797.	3.123
1392.	17.15	2798.	3.127
1393.	17.17	2799.	3.141
1394.	17.16	2800.	3.117
1395.	17.17	2801.	3.134
1396.	17.19	2802.	3.134
1397.	17.17	2803.	3.144
1398.	17.2	2804.	3.132
1399.	17.19	2805.	3.11
1400.	17.2	2806.	3.12
1401.	17.17	2807.	3.12
1402.	17.19	2808.	3.117
1403.	17.19	2809.	3.088
1404.	17.2	2810.	3.135
1405.	17.22	2811.	3.121
1406.	17.19		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate

T	1228.6	ft^2/day
S	0.0001271	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.36 ft/day (0.005418 cm/sec)
Ss = S/b = 1.589E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1256.1	1.646	+/- 3.228	763.2	ft^2/day
S	0.000106	3.609E-7	+/- 7.078E-7	293.6	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.7 ft/day (0.005539 cm/sec)
Ss = S/b = 1.325E-6 1/ft

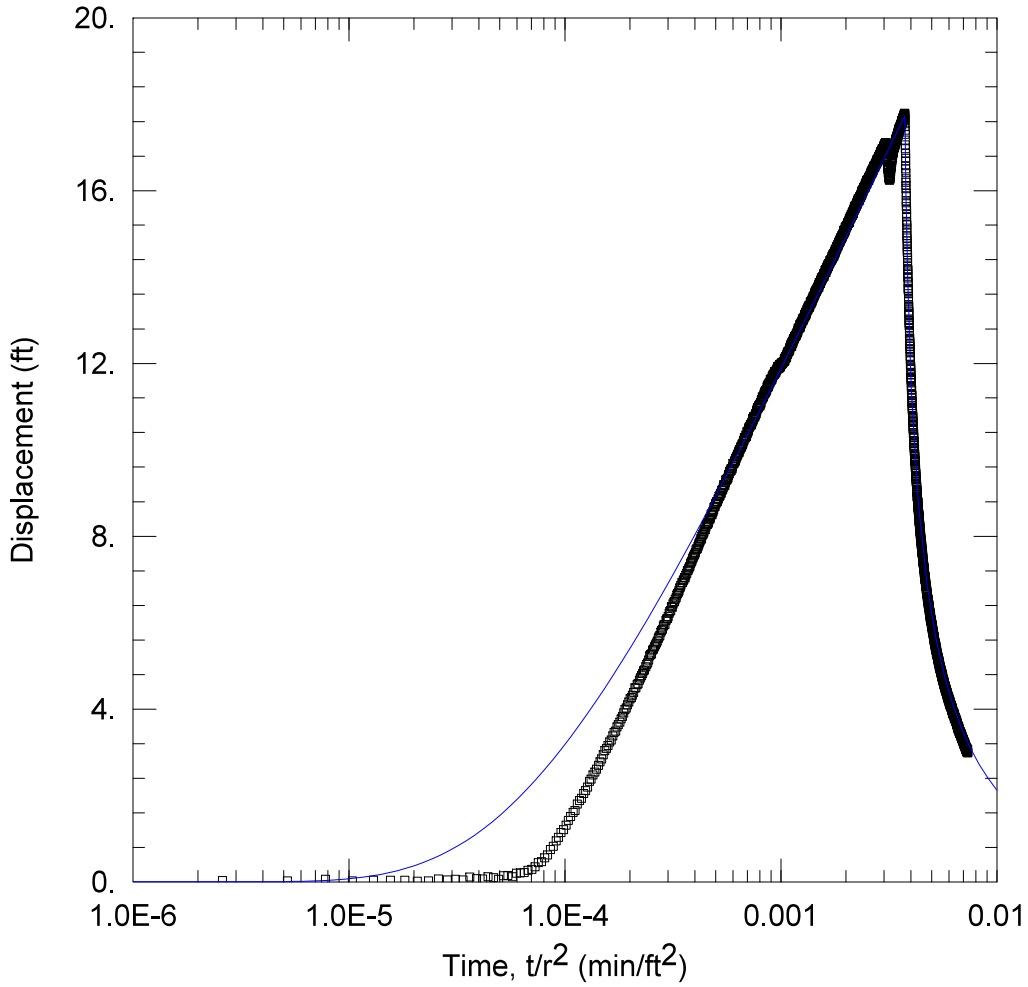
Parameter Correlations

	T	S
T	1.00	-0.85
S	-0.85	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 248. ft^2
Variance . . . . . 0.08827 ft^2
Std. Deviation . . . . . 0.2971 ft
Mean . . . . . -0.07025 ft
No. of Residuals 2811
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW10A.aqt
Date: 04/11/25 Time: 12:04:01

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW10A	1108	181

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1269.1 ft^2/day
S = 6.42E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:14:27

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW10A

X Location: 1108. ft
Y Location: 181. ft

Radial distance from BM 1B: 620.442584 ft
Radial distance from BM2A: 829.7981682 ft
Radial distance from BM3: 702.0292017 ft
Radial distance from BM 4 : 699.5462815 ft
Radial distance from BM5: 964.0020747 ft
Radial distance from BM 6: 1122.299871 ft
Radial distance from BM7: 1203.003325 ft
Radial distance from BM9: 1608.424073 ft

Fully Penetrating Well

No. of Observations: 2821

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.02758	1412.	17.67
2.	0.02193	1413.	17.66
3.	0.05626	1414.	17.64
4.	0.02193	1415.	17.69
5.	0.03746	1416.	17.65
6.	0.03754	1417.	17.67
7.	0.03535	1418.	17.67
8.	0.0133	1419.	17.65
9.	0.02441	1420.	17.68
10.	0.06549	1421.	17.66
11.	0.04195	1422.	17.68
12.	0.05623	1423.	17.7
13.	0.04766	1424.	17.71
14.	0.111	1425.	17.69
15.	0.07752	1426.	17.73
16.	0.06549	1427.	17.72
17.	0.122	1428.	17.72
18.	0.09538	1429.	17.69
19.	0.05965	1430.	17.71
20.	0.144	1431.	17.73
21.	0.1516	1432.	17.71
22.	0.1184	1433.	17.75
23.	0.1981	1434.	17.75
24.	0.2093	1435.	17.77
25.	0.2115	1436.	17.74
26.	0.269	1437.	17.72
27.	0.289	1438.	17.73
28.	0.3456	1439.	17.79
29.	0.4439	1440.	17.78
30.	0.4638	1441.	17.78
31.	0.5536	1442.	17.77
32.	0.6234	1443.	17.74

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.7504	1444.	17.71
34.	0.8212	1445.	17.66
35.	0.9455	1446.	17.62
36.	1.033	1447.	17.55
37.	1.138	1448.	17.48
38.	1.209	1449.	17.4
39.	1.308	1450.	17.31
40.	1.419	1451.	17.17
41.	1.509	1452.	17.06
42.	1.606	1453.	16.97
43.	1.651	1454.	16.86
44.	1.798	1455.	16.75
45.	1.884	1456.	16.69
46.	1.934	1457.	16.58
47.	2.043	1458.	16.51
48.	2.112	1459.	16.42
49.	2.194	1460.	16.27
50.	2.323	1461.	16.19
51.	2.376	1462.	16.12
52.	2.474	1463.	16.04
53.	2.542	1464.	15.95
54.	2.61	1465.	15.88
55.	2.696	1466.	15.76
56.	2.777	1467.	15.72
57.	2.842	1468.	15.63
58.	2.944	1469.	15.56
59.	3.034	1470.	15.47
60.	3.089	1471.	15.4
61.	3.159	1472.	15.29
62.	3.239	1473.	15.25
63.	3.279	1474.	15.21
64.	3.378	1475.	15.13
65.	3.46	1476.	15.02
66.	3.486	1477.	14.96
67.	3.586	1478.	14.9
68.	3.64	1479.	14.83
69.	3.698	1480.	14.78
70.	3.773	1481.	14.7
71.	3.832	1482.	14.64
72.	3.908	1483.	14.58
73.	3.986	1484.	14.52
74.	4.026	1485.	14.45
75.	4.098	1486.	14.39
76.	4.163	1487.	14.31
77.	4.238	1488.	14.25
78.	4.268	1489.	14.18
79.	4.322	1490.	14.16
80.	4.385	1491.	14.09
81.	4.486	1492.	14.01
82.	4.489	1493.	13.98
83.	4.563	1494.	13.9
84.	4.583	1495.	13.87
85.	4.668	1496.	13.74
86.	4.718	1497.	13.73
87.	4.773	1498.	13.69
88.	4.826	1499.	13.62
89.	4.882	1500.	13.55
90.	4.902	1501.	13.48
91.	4.977	1502.	13.47
92.	5.026	1503.	13.43
93.	5.069	1504.	13.33
94.	5.133	1505.	13.32
95.	5.23	1506.	13.22
96.	5.258	1507.	13.2
97.	5.277	1508.	13.17
98.	5.36	1509.	13.11

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	5.388	1510.	13.
100.	5.439	1511.	13.
101.	5.482	1512.	12.95
102.	5.526	1513.	12.91
103.	5.572	1514.	12.87
104.	5.631	1515.	12.83
105.	5.666	1516.	12.72
106.	5.696	1517.	12.74
107.	5.776	1518.	12.65
108.	5.819	1519.	12.62
109.	5.845	1520.	12.58
110.	5.926	1521.	12.52
111.	5.949	1522.	12.47
112.	5.958	1523.	12.47
113.	6.047	1524.	12.39
114.	6.082	1525.	12.4
115.	6.103	1526.	12.34
116.	6.144	1527.	12.33
117.	6.218	1528.	12.26
118.	6.256	1529.	12.16
119.	6.287	1530.	12.16
120.	6.372	1531.	12.11
121.	6.361	1532.	12.08
122.	6.434	1533.	12.06
123.	6.472	1534.	11.98
124.	6.491	1535.	11.96
125.	6.54	1536.	11.94
126.	6.579	1537.	11.89
127.	6.637	1538.	11.86
128.	6.677	1539.	11.79
129.	6.704	1540.	11.74
130.	6.742	1541.	11.75
131.	6.797	1542.	11.67
132.	6.829	1543.	11.66
133.	6.874	1544.	11.63
134.	6.927	1545.	11.61
135.	6.93	1546.	11.55
136.	6.973	1547.	11.49
137.	6.996	1548.	11.48
138.	7.045	1549.	11.46
139.	7.038	1550.	11.39
140.	7.103	1551.	11.39
141.	7.143	1552.	11.29
142.	7.201	1553.	11.26
143.	7.213	1554.	11.27
144.	7.249	1555.	11.25
145.	7.282	1556.	11.2
146.	7.309	1557.	11.14
147.	7.368	1558.	11.12
148.	7.406	1559.	11.12
149.	7.428	1560.	11.08
150.	7.48	1561.	11.03
151.	7.508	1562.	10.98
152.	7.541	1563.	10.98
153.	7.574	1564.	10.95
154.	7.592	1565.	10.93
155.	7.624	1566.	10.9
156.	7.684	1567.	10.84
157.	7.705	1568.	10.78
158.	7.718	1569.	10.78
159.	7.763	1570.	10.78
160.	7.796	1571.	10.75
161.	7.826	1572.	10.71
162.	7.863	1573.	10.68
163.	7.893	1574.	10.66
164.	7.942	1575.	10.64

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.938	1576.	10.58
166.	7.997	1577.	10.53
167.	8.037	1578.	10.49
168.	8.051	1579.	10.48
169.	8.077	1580.	10.48
170.	8.111	1581.	10.45
171.	8.162	1582.	10.38
172.	8.159	1583.	10.4
173.	8.212	1584.	10.36
174.	8.26	1585.	10.32
175.	8.274	1586.	10.29
176.	8.273	1587.	10.3
177.	8.297	1588.	10.29
178.	8.314	1589.	10.21
179.	8.375	1590.	10.21
180.	8.405	1591.	10.15
181.	8.399	1592.	10.16
182.	8.434	1593.	10.1
183.	8.497	1594.	10.1
184.	8.519	1595.	10.06
185.	8.5	1596.	10.04
186.	8.548	1597.	10.05
187.	8.571	1598.	9.994
188.	8.608	1599.	9.957
189.	8.657	1600.	9.966
190.	8.691	1601.	9.903
191.	8.696	1602.	9.9
192.	8.747	1603.	9.893
193.	8.761	1604.	9.84
194.	8.791	1605.	9.849
195.	8.807	1606.	9.802
196.	8.803	1607.	9.765
197.	8.862	1608.	9.758
198.	8.869	1609.	9.751
199.	8.929	1610.	9.73
200.	8.917	1611.	9.695
201.	8.938	1612.	9.722
202.	8.994	1613.	9.654
203.	8.977	1614.	9.635
204.	9.003	1615.	9.594
205.	9.061	1616.	9.589
206.	9.074	1617.	9.541
207.	9.076	1618.	9.551
208.	9.119	1619.	9.508
209.	9.161	1620.	9.487
210.	9.191	1621.	9.458
211.	9.189	1622.	9.453
212.	9.174	1623.	9.441
213.	9.237	1624.	9.37
214.	9.286	1625.	9.39
215.	9.31	1626.	9.382
216.	9.296	1627.	9.308
217.	9.323	1628.	9.336
218.	9.328	1629.	9.331
219.	9.35	1630.	9.274
220.	9.398	1631.	9.308
221.	9.421	1632.	9.259
222.	9.45	1633.	9.228
223.	9.497	1634.	9.165
224.	9.503	1635.	9.196
225.	9.508	1636.	9.194
226.	9.559	1637.	9.161
227.	9.516	1638.	9.162
228.	9.573	1639.	9.094
229.	9.565	1640.	9.062
230.	9.609	1641.	9.083

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	9.681	1642.	9.044
232.	9.676	1643.	9.035
233.	9.679	1644.	9.036
234.	9.686	1645.	9.007
235.	9.742	1646.	9.012
236.	9.725	1647.	8.917
237.	9.75	1648.	8.943
238.	9.801	1649.	8.916
239.	9.789	1650.	8.922
240.	9.827	1651.	8.89
241.	9.846	1652.	8.889
242.	9.879	1653.	8.855
243.	9.879	1654.	8.832
244.	9.901	1655.	8.804
245.	9.93	1656.	8.809
246.	9.973	1657.	8.783
247.	9.942	1658.	8.768
248.	10.	1659.	8.775
249.	10.01	1660.	8.702
250.	10.02	1661.	8.739
251.	10.06	1662.	8.69
252.	10.08	1663.	8.68
253.	10.06	1664.	8.666
254.	10.09	1665.	8.654
255.	10.14	1666.	8.633
256.	10.12	1667.	8.616
257.	10.16	1668.	8.574
258.	10.2	1669.	8.584
259.	10.22	1670.	8.597
260.	10.22	1671.	8.549
261.	10.28	1672.	8.526
262.	10.28	1673.	8.512
263.	10.29	1674.	8.495
264.	10.27	1675.	8.51
265.	10.34	1676.	8.484
266.	10.33	1677.	8.456
267.	10.31	1678.	8.449
268.	10.42	1679.	8.448
269.	10.39	1680.	8.408
270.	10.39	1681.	8.37
271.	10.43	1682.	8.366
272.	10.44	1683.	8.334
273.	10.46	1684.	8.33
274.	10.5	1685.	8.332
275.	10.53	1686.	8.364
276.	10.53	1687.	8.309
277.	10.55	1688.	8.273
278.	10.59	1689.	8.258
279.	10.58	1690.	8.248
280.	10.6	1691.	8.266
281.	10.58	1692.	8.195
282.	10.62	1693.	8.227
283.	10.64	1694.	8.191
284.	10.66	1695.	8.2
285.	10.72	1696.	8.168
286.	10.67	1697.	8.156
287.	10.71	1698.	8.127
288.	10.76	1699.	8.108
289.	10.74	1700.	8.089
290.	10.76	1701.	8.121
291.	10.77	1702.	8.08
292.	10.78	1703.	8.093
293.	10.81	1704.	8.056
294.	10.83	1705.	8.021
295.	10.84	1706.	8.033
296.	10.84	1707.	8.032

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	10.91	1708.	7.99
298.	10.9	1709.	7.961
299.	10.94	1710.	7.958
300.	10.98	1711.	7.961
301.	10.97	1712.	7.95
302.	10.97	1713.	7.924
303.	10.99	1714.	7.915
304.	11.02	1715.	7.906
305.	11.03	1716.	7.866
306.	11.02	1717.	7.876
307.	11.05	1718.	7.871
308.	11.02	1719.	7.855
309.	11.09	1720.	7.832
310.	11.07	1721.	7.82
311.	11.1	1722.	7.803
312.	11.09	1723.	7.799
313.	11.16	1724.	7.809
314.	11.17	1725.	7.785
315.	11.17	1726.	7.782
316.	11.23	1727.	7.76
317.	11.21	1728.	7.748
318.	11.21	1729.	7.731
319.	11.23	1730.	7.71
320.	11.23	1731.	7.701
321.	11.27	1732.	7.675
322.	11.3	1733.	7.668
323.	11.3	1734.	7.682
324.	11.31	1735.	7.614
325.	11.34	1736.	7.645
326.	11.34	1737.	7.611
327.	11.32	1738.	7.599
328.	11.38	1739.	7.614
329.	11.35	1740.	7.62
330.	11.38	1741.	7.59
331.	11.39	1742.	7.577
332.	11.45	1743.	7.567
333.	11.44	1744.	7.497
334.	11.49	1745.	7.552
335.	11.45	1746.	7.504
336.	11.47	1747.	7.473
337.	11.46	1748.	7.466
338.	11.53	1749.	7.515
339.	11.5	1750.	7.483
340.	11.55	1751.	7.425
341.	11.55	1752.	7.432
342.	11.56	1753.	7.412
343.	11.55	1754.	7.417
344.	11.63	1755.	7.401
345.	11.6	1756.	7.401
346.	11.6	1757.	7.404
347.	11.65	1758.	7.361
348.	11.63	1759.	7.372
349.	11.65	1760.	7.32
350.	11.62	1761.	7.349
351.	11.7	1762.	7.327
352.	11.66	1763.	7.32
353.	11.7	1764.	7.271
354.	11.72	1765.	7.306
355.	11.73	1766.	7.286
356.	11.74	1767.	7.279
357.	11.76	1768.	7.284
358.	11.74	1769.	7.256
359.	11.75	1770.	7.236
360.	11.78	1771.	7.245
361.	11.81	1772.	7.219
362.	11.82	1773.	7.209

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	11.82	1774.	7.229
364.	11.8	1775.	7.214
365.	11.77	1776.	7.141
366.	11.82	1777.	7.167
367.	11.83	1778.	7.175
368.	11.84	1779.	7.18
369.	11.87	1780.	7.156
370.	11.86	1781.	7.14
371.	11.89	1782.	7.111
372.	11.92	1783.	7.11
373.	11.93	1784.	7.062
374.	11.88	1785.	7.079
375.	11.9	1786.	7.08
376.	11.93	1787.	7.067
377.	11.89	1788.	7.068
378.	11.92	1789.	7.033
379.	11.91	1790.	7.055
380.	11.98	1791.	7.004
381.	11.92	1792.	6.992
382.	11.98	1793.	7.012
383.	11.92	1794.	7.004
384.	11.97	1795.	6.985
385.	11.98	1796.	6.975
386.	12.	1797.	6.961
387.	11.98	1798.	6.914
388.	11.99	1799.	6.948
389.	12.02	1800.	6.93
390.	12.01	1801.	6.967
391.	12.02	1802.	6.894
392.	12.	1803.	6.934
393.	12.01	1804.	6.872
394.	12.03	1805.	6.904
395.	12.04	1806.	6.867
396.	12.04	1807.	6.838
397.	12.04	1808.	6.846
398.	12.05	1809.	6.843
399.	12.11	1810.	6.874
400.	12.05	1811.	6.841
401.	12.09	1812.	6.847
402.	12.07	1813.	6.796
403.	12.12	1814.	6.841
404.	12.15	1815.	6.798
405.	12.14	1816.	6.777
406.	12.15	1817.	6.782
407.	12.12	1818.	6.739
408.	12.17	1819.	6.777
409.	12.15	1820.	6.75
410.	12.19	1821.	6.749
411.	12.21	1822.	6.706
412.	12.24	1823.	6.713
413.	12.21	1824.	6.741
414.	12.25	1825.	6.694
415.	12.26	1826.	6.704
416.	12.27	1827.	6.688
417.	12.29	1828.	6.656
418.	12.27	1829.	6.662
419.	12.28	1830.	6.673
420.	12.29	1831.	6.641
421.	12.29	1832.	6.668
422.	12.34	1833.	6.673
423.	12.36	1834.	6.648
424.	12.32	1835.	6.599
425.	12.38	1836.	6.603
426.	12.38	1837.	6.614
427.	12.39	1838.	6.598
428.	12.43	1839.	6.573

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	12.41	1840.	6.558
430.	12.41	1841.	6.549
431.	12.44	1842.	6.559
432.	12.39	1843.	6.537
433.	12.47	1844.	6.556
434.	12.44	1845.	6.554
435.	12.51	1846.	6.499
436.	12.47	1847.	6.537
437.	12.47	1848.	6.516
438.	12.51	1849.	6.53
439.	12.53	1850.	6.492
440.	12.55	1851.	6.474
441.	12.57	1852.	6.482
442.	12.55	1853.	6.457
443.	12.58	1854.	6.468
444.	12.58	1855.	6.431
445.	12.58	1856.	6.418
446.	12.59	1857.	6.427
447.	12.62	1858.	6.448
448.	12.62	1859.	6.405
449.	12.64	1860.	6.425
450.	12.64	1861.	6.42
451.	12.62	1862.	6.353
452.	12.65	1863.	6.393
453.	12.69	1864.	6.413
454.	12.65	1865.	6.371
455.	12.67	1866.	6.415
456.	12.69	1867.	6.366
457.	12.71	1868.	6.353
458.	12.7	1869.	6.357
459.	12.74	1870.	6.341
460.	12.72	1871.	6.328
461.	12.74	1872.	6.351
462.	12.76	1873.	6.316
463.	12.81	1874.	6.293
464.	12.8	1875.	6.271
465.	12.8	1876.	6.265
466.	12.82	1877.	6.285
467.	12.81	1878.	6.254
468.	12.82	1879.	6.271
469.	12.84	1880.	6.256
470.	12.83	1881.	6.226
471.	12.89	1882.	6.229
472.	12.9	1883.	6.225
473.	12.87	1884.	6.209
474.	12.84	1885.	6.226
475.	12.9	1886.	6.241
476.	12.89	1887.	6.214
477.	12.92	1888.	6.171
478.	12.93	1889.	6.171
479.	12.94	1890.	6.203
480.	12.92	1891.	6.171
481.	12.95	1892.	6.143
482.	12.97	1893.	6.162
483.	12.99	1894.	6.152
484.	12.98	1895.	6.112
485.	13.03	1896.	6.114
486.	12.99	1897.	6.102
487.	13.03	1898.	6.148
488.	13.01	1899.	6.096
489.	13.	1900.	6.145
490.	13.05	1901.	6.103
491.	13.02	1902.	6.096
492.	13.04	1903.	6.084
493.	13.07	1904.	6.073
494.	13.07	1905.	6.053

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	13.1	1906.	6.043
496.	13.13	1907.	6.045
497.	13.08	1908.	6.067
498.	13.13	1909.	6.044
499.	13.14	1910.	6.06
500.	13.11	1911.	6.023
501.	13.17	1912.	6.038
502.	13.17	1913.	6.026
503.	13.18	1914.	5.976
504.	13.14	1915.	6.025
505.	13.14	1916.	6.024
506.	13.19	1917.	5.992
507.	13.2	1918.	6.026
508.	13.2	1919.	5.972
509.	13.23	1920.	5.97
510.	13.25	1921.	5.974
511.	13.23	1922.	5.911
512.	13.27	1923.	5.959
513.	13.26	1924.	5.951
514.	13.29	1925.	5.921
515.	13.25	1926.	5.927
516.	13.28	1927.	5.931
517.	13.32	1928.	5.957
518.	13.29	1929.	5.92
519.	13.31	1930.	5.878
520.	13.34	1931.	5.873
521.	13.31	1932.	5.925
522.	13.31	1933.	5.869
523.	13.31	1934.	5.902
524.	13.34	1935.	5.842
525.	13.35	1936.	5.901
526.	13.42	1937.	5.853
527.	13.37	1938.	5.862
528.	13.42	1939.	5.808
529.	13.41	1940.	5.819
530.	13.38	1941.	5.819
531.	13.38	1942.	5.832
532.	13.43	1943.	5.836
533.	13.42	1944.	5.806
534.	13.43	1945.	5.776
535.	13.44	1946.	5.801
536.	13.46	1947.	5.786
537.	13.44	1948.	5.812
538.	13.49	1949.	5.782
539.	13.5	1950.	5.791
540.	13.47	1951.	5.775
541.	13.5	1952.	5.755
542.	13.49	1953.	5.755
543.	13.54	1954.	5.747
544.	13.54	1955.	5.726
545.	13.52	1956.	5.714
546.	13.53	1957.	5.758
547.	13.55	1958.	5.728
548.	13.56	1959.	5.717
549.	13.58	1960.	5.7
550.	13.57	1961.	5.684
551.	13.61	1962.	5.676
552.	13.6	1963.	5.704
553.	13.6	1964.	5.666
554.	13.64	1965.	5.658
555.	13.65	1966.	5.669
556.	13.63	1967.	5.676
557.	13.63	1968.	5.652
558.	13.67	1969.	5.622
559.	13.65	1970.	5.679
560.	13.67	1971.	5.667

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	13.68	1972.	5.601
562.	13.68	1973.	5.61
563.	13.67	1974.	5.62
564.	13.72	1975.	5.571
565.	13.72	1976.	5.594
566.	13.7	1977.	5.631
567.	13.73	1978.	5.592
568.	13.72	1979.	5.611
569.	13.75	1980.	5.564
570.	13.76	1981.	5.59
571.	13.77	1982.	5.605
572.	13.75	1983.	5.535
573.	13.77	1984.	5.55
574.	13.77	1985.	5.545
575.	13.82	1986.	5.558
576.	13.79	1987.	5.538
577.	13.76	1988.	5.561
578.	13.82	1989.	5.534
579.	13.81	1990.	5.516
580.	13.86	1991.	5.516
581.	13.84	1992.	5.481
582.	13.84	1993.	5.522
583.	13.88	1994.	5.501
584.	13.85	1995.	5.489
585.	13.85	1996.	5.49
586.	13.88	1997.	5.508
587.	13.85	1998.	5.454
588.	13.89	1999.	5.476
589.	13.9	2000.	5.481
590.	13.92	2001.	5.464
591.	13.96	2002.	5.427
592.	13.91	2003.	5.42
593.	13.92	2004.	5.468
594.	13.94	2005.	5.44
595.	13.98	2006.	5.45
596.	13.93	2007.	5.407
597.	13.97	2008.	5.392
598.	13.97	2009.	5.389
599.	13.96	2010.	5.457
600.	13.97	2011.	5.375
601.	14.	2012.	5.4
602.	14.	2013.	5.39
603.	14.01	2014.	5.419
604.	14.02	2015.	5.357
605.	14.03	2016.	5.384
606.	14.	2017.	5.379
607.	14.03	2018.	5.366
608.	14.07	2019.	5.382
609.	14.04	2020.	5.362
610.	14.01	2021.	5.358
611.	14.08	2022.	5.3
612.	14.08	2023.	5.337
613.	14.05	2024.	5.366
614.	14.1	2025.	5.33
615.	14.06	2026.	5.324
616.	14.15	2027.	5.3
617.	14.1	2028.	5.311
618.	14.11	2029.	5.275
619.	14.12	2030.	5.274
620.	14.13	2031.	5.256
621.	14.16	2032.	5.287
622.	14.11	2033.	5.274
623.	14.18	2034.	5.263
624.	14.17	2035.	5.303
625.	14.16	2036.	5.258
626.	14.17	2037.	5.29

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	14.16	2038.	5.244
628.	14.2	2039.	5.25
629.	14.23	2040.	5.286
630.	14.18	2041.	5.249
631.	14.2	2042.	5.261
632.	14.22	2043.	5.219
633.	14.22	2044.	5.228
634.	14.26	2045.	5.217
635.	14.28	2046.	5.203
636.	14.24	2047.	5.24
637.	14.27	2048.	5.197
638.	14.28	2049.	5.199
639.	14.25	2050.	5.192
640.	14.27	2051.	5.228
641.	14.31	2052.	5.196
642.	14.29	2053.	5.198
643.	14.31	2054.	5.186
644.	14.32	2055.	5.185
645.	14.31	2056.	5.173
646.	14.31	2057.	5.144
647.	14.32	2058.	5.15
648.	14.32	2059.	5.186
649.	14.34	2060.	5.154
650.	14.39	2061.	5.113
651.	14.35	2062.	5.131
652.	14.38	2063.	5.104
653.	14.39	2064.	5.146
654.	14.36	2065.	5.144
655.	14.4	2066.	5.086
656.	14.38	2067.	5.11
657.	14.4	2068.	5.107
658.	14.38	2069.	5.093
659.	14.42	2070.	5.113
660.	14.41	2071.	5.114
661.	14.4	2072.	5.076
662.	14.41	2073.	5.062
663.	14.43	2074.	5.122
664.	14.48	2075.	5.12
665.	14.45	2076.	5.08
666.	14.48	2077.	5.069
667.	14.43	2078.	5.086
668.	14.46	2079.	5.056
669.	14.46	2080.	5.046
670.	14.48	2081.	5.049
671.	14.51	2082.	5.04
672.	14.52	2083.	5.055
673.	14.53	2084.	4.986
674.	14.47	2085.	5.023
675.	14.55	2086.	5.017
676.	14.52	2087.	5.059
677.	14.54	2088.	5.049
678.	14.48	2089.	5.012
679.	14.53	2090.	5.004
680.	14.53	2091.	5.024
681.	14.56	2092.	4.971
682.	14.54	2093.	4.999
683.	14.57	2094.	4.972
684.	14.6	2095.	4.985
685.	14.59	2096.	5.003
686.	14.56	2097.	4.977
687.	14.58	2098.	4.981
688.	14.64	2099.	4.981
689.	14.63	2100.	4.924
690.	14.63	2101.	4.961
691.	14.62	2102.	4.941
692.	14.64	2103.	4.973

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	14.64	2104.	4.933
694.	14.66	2105.	4.961
695.	14.66	2106.	4.924
696.	14.65	2107.	4.924
697.	14.69	2108.	4.933
698.	14.66	2109.	4.879
699.	14.66	2110.	4.889
700.	14.7	2111.	4.888
701.	14.7	2112.	4.929
702.	14.7	2113.	4.888
703.	14.72	2114.	4.855
704.	14.71	2115.	4.911
705.	14.73	2116.	4.921
706.	14.74	2117.	4.906
707.	14.71	2118.	4.911
708.	14.73	2119.	4.884
709.	14.76	2120.	4.881
710.	14.74	2121.	4.835
711.	14.76	2122.	4.872
712.	14.8	2123.	4.859
713.	14.79	2124.	4.872
714.	14.78	2125.	4.867
715.	14.79	2126.	4.874
716.	14.79	2127.	4.872
717.	14.81	2128.	4.849
718.	14.84	2129.	4.829
719.	14.83	2130.	4.853
720.	14.82	2131.	4.842
721.	14.83	2132.	4.819
722.	14.82	2133.	4.818
723.	14.83	2134.	4.787
724.	14.84	2135.	4.798
725.	14.88	2136.	4.8
726.	14.86	2137.	4.819
727.	14.88	2138.	4.814
728.	14.9	2139.	4.828
729.	14.88	2140.	4.802
730.	14.88	2141.	4.806
731.	14.89	2142.	4.821
732.	14.91	2143.	4.742
733.	14.9	2144.	4.783
734.	14.89	2145.	4.804
735.	14.91	2146.	4.791
736.	14.9	2147.	4.793
737.	14.93	2148.	4.746
738.	14.93	2149.	4.758
739.	14.96	2150.	4.752
740.	14.96	2151.	4.768
741.	14.94	2152.	4.734
742.	14.95	2153.	4.741
743.	14.98	2154.	4.715
744.	14.98	2155.	4.708
745.	14.98	2156.	4.72
746.	14.99	2157.	4.703
747.	14.99	2158.	4.734
748.	14.98	2159.	4.732
749.	15.01	2160.	4.745
750.	15.04	2161.	4.696
751.	15.03	2162.	4.725
752.	15.07	2163.	4.672
753.	15.04	2164.	4.708
754.	15.06	2165.	4.68
755.	15.09	2166.	4.699
756.	15.05	2167.	4.652
757.	15.02	2168.	4.694
758.	15.07	2169.	4.664

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	15.07	2170.	4.659
760.	15.09	2171.	4.679
761.	15.08	2172.	4.641
762.	15.06	2173.	4.677
763.	15.1	2174.	4.671
764.	15.08	2175.	4.629
765.	15.14	2176.	4.646
766.	15.11	2177.	4.636
767.	15.13	2178.	4.668
768.	15.12	2179.	4.652
769.	15.13	2180.	4.65
770.	15.16	2181.	4.65
771.	15.14	2182.	4.618
772.	15.16	2183.	4.655
773.	15.17	2184.	4.631
774.	15.17	2185.	4.62
775.	15.19	2186.	4.589
776.	15.19	2187.	4.577
777.	15.17	2188.	4.59
778.	15.19	2189.	4.611
779.	15.19	2190.	4.61
780.	15.19	2191.	4.599
781.	15.2	2192.	4.64
782.	15.23	2193.	4.592
783.	15.23	2194.	4.574
784.	15.25	2195.	4.563
785.	15.24	2196.	4.573
786.	15.23	2197.	4.576
787.	15.26	2198.	4.555
788.	15.26	2199.	4.558
789.	15.25	2200.	4.572
790.	15.25	2201.	4.559
791.	15.28	2202.	4.544
792.	15.27	2203.	4.552
793.	15.28	2204.	4.553
794.	15.27	2205.	4.519
795.	15.31	2206.	4.546
796.	15.29	2207.	4.514
797.	15.26	2208.	4.505
798.	15.28	2209.	4.54
799.	15.35	2210.	4.53
800.	15.26	2211.	4.557
801.	15.32	2212.	4.501
802.	15.31	2213.	4.53
803.	15.34	2214.	4.522
804.	15.36	2215.	4.533
805.	15.35	2216.	4.518
806.	15.39	2217.	4.508
807.	15.39	2218.	4.508
808.	15.35	2219.	4.51
809.	15.36	2220.	4.516
810.	15.36	2221.	4.496
811.	15.36	2222.	4.465
812.	15.38	2223.	4.472
813.	15.39	2224.	4.472
814.	15.42	2225.	4.489
815.	15.44	2226.	4.436
816.	15.4	2227.	4.471
817.	15.42	2228.	4.487
818.	15.46	2229.	4.437
819.	15.43	2230.	4.476
820.	15.43	2231.	4.466
821.	15.43	2232.	4.465
822.	15.43	2233.	4.422
823.	15.43	2234.	4.458
824.	15.45	2235.	4.423

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	15.49	2236.	4.452
826.	15.45	2237.	4.445
827.	15.48	2238.	4.455
828.	15.48	2239.	4.446
829.	15.47	2240.	4.428
830.	15.51	2241.	4.449
831.	15.49	2242.	4.417
832.	15.51	2243.	4.454
833.	15.5	2244.	4.41
834.	15.53	2245.	4.405
835.	15.47	2246.	4.4
836.	15.55	2247.	4.404
837.	15.55	2248.	4.384
838.	15.54	2249.	4.413
839.	15.56	2250.	4.413
840.	15.54	2251.	4.361
841.	15.58	2252.	4.389
842.	15.56	2253.	4.397
843.	15.57	2254.	4.391
844.	15.6	2255.	4.356
845.	15.64	2256.	4.388
846.	15.58	2257.	4.376
847.	15.59	2258.	4.384
848.	15.6	2259.	4.367
849.	15.62	2260.	4.36
850.	15.59	2261.	4.371
851.	15.61	2262.	4.31
852.	15.63	2263.	4.356
853.	15.62	2264.	4.376
854.	15.63	2265.	4.363
855.	15.65	2266.	4.368
856.	15.63	2267.	4.352
857.	15.64	2268.	4.345
858.	15.65	2269.	4.359
859.	15.67	2270.	4.354
860.	15.66	2271.	4.33
861.	15.66	2272.	4.363
862.	15.67	2273.	4.286
863.	15.7	2274.	4.32
864.	15.67	2275.	4.339
865.	15.68	2276.	4.296
866.	15.69	2277.	4.283
867.	15.72	2278.	4.3
868.	15.69	2279.	4.326
869.	15.74	2280.	4.29
870.	15.71	2281.	4.318
871.	15.73	2282.	4.291
872.	15.74	2283.	4.258
873.	15.72	2284.	4.286
874.	15.75	2285.	4.299
875.	15.74	2286.	4.278
876.	15.76	2287.	4.273
877.	15.78	2288.	4.298
878.	15.76	2289.	4.254
879.	15.8	2290.	4.265
880.	15.82	2291.	4.28
881.	15.77	2292.	4.248
882.	15.81	2293.	4.252
883.	15.78	2294.	4.281
884.	15.79	2295.	4.22
885.	15.78	2296.	4.279
886.	15.8	2297.	4.245
887.	15.77	2298.	4.24
888.	15.8	2299.	4.234
889.	15.81	2300.	4.276
890.	15.79	2301.	4.225

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	15.84	2302.	4.228
892.	15.85	2303.	4.231
893.	15.84	2304.	4.217
894.	15.86	2305.	4.224
895.	15.86	2306.	4.214
896.	15.86	2307.	4.266
897.	15.84	2308.	4.239
898.	15.85	2309.	4.228
899.	15.84	2310.	4.235
900.	15.9	2311.	4.199
901.	15.87	2312.	4.187
902.	15.9	2313.	4.207
903.	15.88	2314.	4.208
904.	15.9	2315.	4.218
905.	15.92	2316.	4.203
906.	15.88	2317.	4.153
907.	15.91	2318.	4.211
908.	15.89	2319.	4.176
909.	15.93	2320.	4.173
910.	15.94	2321.	4.163
911.	15.91	2322.	4.152
912.	15.93	2323.	4.182
913.	15.97	2324.	4.169
914.	15.99	2325.	4.172
915.	15.96	2326.	4.168
916.	16.	2327.	4.164
917.	15.95	2328.	4.176
918.	15.97	2329.	4.19
919.	15.98	2330.	4.124
920.	15.96	2331.	4.126
921.	15.98	2332.	4.096
922.	15.99	2333.	4.149
923.	15.98	2334.	4.143
924.	16.02	2335.	4.177
925.	16.01	2336.	4.142
926.	16.01	2337.	4.099
927.	16.04	2338.	4.134
928.	16.02	2339.	4.12
929.	16.02	2340.	4.105
930.	16.04	2341.	4.135
931.	16.03	2342.	4.113
932.	16.06	2343.	4.128
933.	16.05	2344.	4.142
934.	16.06	2345.	4.128
935.	16.06	2346.	4.082
936.	16.08	2347.	4.099
937.	16.1	2348.	4.059
938.	16.09	2349.	4.103
939.	16.06	2350.	4.072
940.	16.08	2351.	4.101
941.	16.09	2352.	4.077
942.	16.09	2353.	4.102
943.	16.07	2354.	4.099
944.	16.07	2355.	4.095
945.	16.11	2356.	4.069
946.	16.1	2357.	4.105
947.	16.16	2358.	4.088
948.	16.12	2359.	4.069
949.	16.13	2360.	4.052
950.	16.13	2361.	4.058
951.	16.11	2362.	4.077
952.	16.14	2363.	4.053
953.	16.18	2364.	4.07
954.	16.15	2365.	4.073
955.	16.14	2366.	4.069
956.	16.18	2367.	4.031

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	16.17	2368.	4.045
958.	16.18	2369.	4.045
959.	16.15	2370.	4.029
960.	16.15	2371.	4.073
961.	16.2	2372.	4.031
962.	16.24	2373.	4.055
963.	16.17	2374.	4.019
964.	16.21	2375.	4.052
965.	16.18	2376.	4.033
966.	16.22	2377.	3.997
967.	16.21	2378.	4.011
968.	16.2	2379.	4.041
969.	16.23	2380.	3.987
970.	16.25	2381.	4.013
971.	16.23	2382.	4.032
972.	16.23	2383.	3.989
973.	16.26	2384.	4.004
974.	16.25	2385.	3.995
975.	16.23	2386.	3.98
976.	16.23	2387.	4.035
977.	16.27	2388.	3.962
978.	16.25	2389.	3.981
979.	16.25	2390.	3.979
980.	16.24	2391.	3.973
981.	16.27	2392.	3.96
982.	16.28	2393.	3.983
983.	16.23	2394.	3.969
984.	16.31	2395.	3.98
985.	16.28	2396.	3.976
986.	16.29	2397.	4.012
987.	16.29	2398.	3.938
988.	16.29	2399.	3.96
989.	16.32	2400.	3.942
990.	16.33	2401.	3.939
991.	16.32	2402.	3.942
992.	16.32	2403.	3.926
993.	16.29	2404.	3.92
994.	16.33	2405.	3.978
995.	16.33	2406.	3.941
996.	16.35	2407.	3.915
997.	16.35	2408.	3.909
998.	16.33	2409.	3.945
999.	16.36	2410.	3.92
1000.	16.38	2411.	3.935
1001.	16.39	2412.	3.885
1002.	16.39	2413.	3.914
1003.	16.38	2414.	3.895
1004.	16.37	2415.	3.904
1005.	16.4	2416.	3.912
1006.	16.38	2417.	3.907
1007.	16.39	2418.	3.887
1008.	16.4	2419.	3.928
1009.	16.43	2420.	3.879
1010.	16.41	2421.	3.887
1011.	16.42	2422.	3.89
1012.	16.41	2423.	3.89
1013.	16.4	2424.	3.911
1014.	16.44	2425.	3.896
1015.	16.42	2426.	3.884
1016.	16.43	2427.	3.876
1017.	16.41	2428.	3.917
1018.	16.45	2429.	3.899
1019.	16.47	2430.	3.886
1020.	16.49	2431.	3.91
1021.	16.47	2432.	3.889
1022.	16.44	2433.	3.889

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	16.49	2434.	3.895
1024.	16.46	2435.	3.866
1025.	16.48	2436.	3.849
1026.	16.48	2437.	3.884
1027.	16.45	2438.	3.894
1028.	16.47	2439.	3.863
1029.	16.5	2440.	3.854
1030.	16.49	2441.	3.858
1031.	16.53	2442.	3.855
1032.	16.51	2443.	3.868
1033.	16.51	2444.	3.855
1034.	16.53	2445.	3.864
1035.	16.53	2446.	3.846
1036.	16.54	2447.	3.811
1037.	16.52	2448.	3.782
1038.	16.53	2449.	3.814
1039.	16.56	2450.	3.847
1040.	16.56	2451.	3.833
1041.	16.53	2452.	3.815
1042.	16.54	2453.	3.848
1043.	16.58	2454.	3.818
1044.	16.54	2455.	3.796
1045.	16.56	2456.	3.803
1046.	16.57	2457.	3.803
1047.	16.54	2458.	3.822
1048.	16.55	2459.	3.796
1049.	16.59	2460.	3.811
1050.	16.58	2461.	3.807
1051.	16.59	2462.	3.776
1052.	16.61	2463.	3.809
1053.	16.58	2464.	3.773
1054.	16.59	2465.	3.761
1055.	16.61	2466.	3.806
1056.	16.61	2467.	3.79
1057.	16.61	2468.	3.776
1058.	16.6	2469.	3.791
1059.	16.61	2470.	3.769
1060.	16.64	2471.	3.793
1061.	16.64	2472.	3.776
1062.	16.64	2473.	3.775
1063.	16.63	2474.	3.776
1064.	16.64	2475.	3.78
1065.	16.62	2476.	3.726
1066.	16.64	2477.	3.754
1067.	16.66	2478.	3.779
1068.	16.65	2479.	3.731
1069.	16.63	2480.	3.801
1070.	16.64	2481.	3.73
1071.	16.65	2482.	3.782
1072.	16.71	2483.	3.751
1073.	16.67	2484.	3.721
1074.	16.69	2485.	3.722
1075.	16.72	2486.	3.747
1076.	16.7	2487.	3.702
1077.	16.71	2488.	3.728
1078.	16.7	2489.	3.755
1079.	16.69	2490.	3.739
1080.	16.73	2491.	3.733
1081.	16.71	2492.	3.747
1082.	16.7	2493.	3.719
1083.	16.69	2494.	3.714
1084.	16.72	2495.	3.743
1085.	16.72	2496.	3.721
1086.	16.74	2497.	3.743
1087.	16.74	2498.	3.703
1088.	16.76	2499.	3.723

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	16.72	2500.	3.704
1090.	16.76	2501.	3.719
1091.	16.77	2502.	3.719
1092.	16.76	2503.	3.665
1093.	16.78	2504.	3.705
1094.	16.78	2505.	3.679
1095.	16.79	2506.	3.694
1096.	16.77	2507.	3.657
1097.	16.78	2508.	3.684
1098.	16.77	2509.	3.708
1099.	16.8	2510.	3.661
1100.	16.8	2511.	3.646
1101.	16.77	2512.	3.662
1102.	16.82	2513.	3.651
1103.	16.78	2514.	3.661
1104.	16.81	2515.	3.668
1105.	16.82	2516.	3.65
1106.	16.82	2517.	3.659
1107.	16.84	2518.	3.684
1108.	16.81	2519.	3.611
1109.	16.83	2520.	3.636
1110.	16.84	2521.	3.639
1111.	16.84	2522.	3.642
1112.	16.84	2523.	3.64
1113.	16.88	2524.	3.638
1114.	16.86	2525.	3.631
1115.	16.84	2526.	3.639
1116.	16.84	2527.	3.65
1117.	16.85	2528.	3.623
1118.	16.89	2529.	3.61
1119.	16.87	2530.	3.594
1120.	16.9	2531.	3.609
1121.	16.86	2532.	3.604
1122.	16.88	2533.	3.628
1123.	16.89	2534.	3.554
1124.	16.9	2535.	3.607
1125.	16.9	2536.	3.619
1126.	16.89	2537.	3.596
1127.	16.9	2538.	3.617
1128.	16.93	2539.	3.607
1129.	16.92	2540.	3.601
1130.	16.9	2541.	3.608
1131.	16.88	2542.	3.618
1132.	16.89	2543.	3.595
1133.	16.89	2544.	3.602
1134.	16.89	2545.	3.59
1135.	16.95	2546.	3.585
1136.	16.98	2547.	3.587
1137.	16.96	2548.	3.585
1138.	16.94	2549.	3.531
1139.	16.95	2550.	3.576
1140.	16.97	2551.	3.594
1141.	16.92	2552.	3.57
1142.	16.95	2553.	3.59
1143.	16.96	2554.	3.561
1144.	16.94	2555.	3.554
1145.	16.96	2556.	3.553
1146.	16.95	2557.	3.563
1147.	16.95	2558.	3.526
1148.	16.98	2559.	3.563
1149.	17.	2560.	3.547
1150.	17.	2561.	3.582
1151.	16.99	2562.	3.536
1152.	16.99	2563.	3.538
1153.	17.04	2564.	3.558
1154.	17.	2565.	3.55

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	16.99	2566.	3.534
1156.	16.99	2567.	3.526
1157.	17.	2568.	3.528
1158.	17.04	2569.	3.526
1159.	17.02	2570.	3.515
1160.	17.02	2571.	3.523
1161.	17.05	2572.	3.546
1162.	17.04	2573.	3.522
1163.	17.04	2574.	3.492
1164.	17.04	2575.	3.514
1165.	17.01	2576.	3.515
1166.	17.01	2577.	3.514
1167.	17.07	2578.	3.487
1168.	17.08	2579.	3.49
1169.	17.06	2580.	3.473
1170.	17.06	2581.	3.479
1171.	17.08	2582.	3.516
1172.	17.07	2583.	3.459
1173.	17.08	2584.	3.495
1174.	17.1	2585.	3.492
1175.	17.08	2586.	3.531
1176.	17.11	2587.	3.481
1177.	17.11	2588.	3.469
1178.	17.08	2589.	3.45
1179.	17.1	2590.	3.475
1180.	17.09	2591.	3.481
1181.	17.08	2592.	3.448
1182.	17.12	2593.	3.44
1183.	17.09	2594.	3.462
1184.	17.03	2595.	3.476
1185.	17.03	2596.	3.45
1186.	17.01	2597.	3.428
1187.	16.97	2598.	3.483
1188.	16.91	2599.	3.456
1189.	16.9	2600.	3.427
1190.	16.87	2601.	3.48
1191.	16.85	2602.	3.462
1192.	16.83	2603.	3.457
1193.	16.82	2604.	3.428
1194.	16.74	2605.	3.441
1195.	16.76	2606.	3.46
1196.	16.72	2607.	3.438
1197.	16.69	2608.	3.444
1198.	16.68	2609.	3.436
1199.	16.66	2610.	3.447
1200.	16.65	2611.	3.44
1201.	16.61	2612.	3.432
1202.	16.6	2613.	3.467
1203.	16.56	2614.	3.399
1204.	16.56	2615.	3.436
1205.	16.54	2616.	3.439
1206.	16.51	2617.	3.419
1207.	16.48	2618.	3.387
1208.	16.51	2619.	3.393
1209.	16.51	2620.	3.417
1210.	16.49	2621.	3.397
1211.	16.43	2622.	3.406
1212.	16.4	2623.	3.429
1213.	16.4	2624.	3.412
1214.	16.39	2625.	3.411
1215.	16.36	2626.	3.397
1216.	16.4	2627.	3.429
1217.	16.38	2628.	3.362
1218.	16.34	2629.	3.396
1219.	16.3	2630.	3.406
1220.	16.31	2631.	3.398

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	16.28	2632.	3.392
1222.	16.29	2633.	3.423
1223.	16.29	2634.	3.398
1224.	16.24	2635.	3.364
1225.	16.27	2636.	3.374
1226.	16.27	2637.	3.371
1227.	16.25	2638.	3.371
1228.	16.28	2639.	3.389
1229.	16.25	2640.	3.369
1230.	16.28	2641.	3.378
1231.	16.27	2642.	3.331
1232.	16.3	2643.	3.365
1233.	16.34	2644.	3.353
1234.	16.34	2645.	3.383
1235.	16.36	2646.	3.332
1236.	16.36	2647.	3.351
1237.	16.41	2648.	3.332
1238.	16.41	2649.	3.354
1239.	16.42	2650.	3.379
1240.	16.44	2651.	3.33
1241.	16.47	2652.	3.341
1242.	16.47	2653.	3.354
1243.	16.54	2654.	3.339
1244.	16.52	2655.	3.331
1245.	16.52	2656.	3.336
1246.	16.56	2657.	3.338
1247.	16.56	2658.	3.31
1248.	16.56	2659.	3.313
1249.	16.59	2660.	3.308
1250.	16.62	2661.	3.313
1251.	16.65	2662.	3.311
1252.	16.65	2663.	3.29
1253.	16.66	2664.	3.322
1254.	16.65	2665.	3.305
1255.	16.68	2666.	3.308
1256.	16.72	2667.	3.321
1257.	16.7	2668.	3.313
1258.	16.74	2669.	3.315
1259.	16.74	2670.	3.297
1260.	16.76	2671.	3.326
1261.	16.78	2672.	3.292
1262.	16.78	2673.	3.274
1263.	16.76	2674.	3.331
1264.	16.82	2675.	3.293
1265.	16.84	2676.	3.314
1266.	16.82	2677.	3.287
1267.	16.83	2678.	3.288
1268.	16.86	2679.	3.302
1269.	16.86	2680.	3.246
1270.	16.85	2681.	3.283
1271.	16.88	2682.	3.291
1272.	16.88	2683.	3.287
1273.	16.88	2684.	3.279
1274.	16.93	2685.	3.302
1275.	16.89	2686.	3.287
1276.	16.93	2687.	3.283
1277.	16.89	2688.	3.277
1278.	16.91	2689.	3.283
1279.	16.89	2690.	3.226
1280.	16.94	2691.	3.291
1281.	16.98	2692.	3.258
1282.	16.97	2693.	3.259
1283.	16.97	2694.	3.268
1284.	17.	2695.	3.252
1285.	16.99	2696.	3.256
1286.	17.	2697.	3.232

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	17.02	2698.	3.215
1288.	17.	2699.	3.205
1289.	17.01	2700.	3.208
1290.	17.01	2701.	3.219
1291.	17.05	2702.	3.225
1292.	17.04	2703.	3.235
1293.	17.05	2704.	3.227
1294.	17.04	2705.	3.242
1295.	17.04	2706.	3.242
1296.	17.04	2707.	3.254
1297.	17.07	2708.	3.224
1298.	17.1	2709.	3.213
1299.	17.08	2710.	3.179
1300.	17.07	2711.	3.224
1301.	17.08	2712.	3.249
1302.	17.09	2713.	3.23
1303.	17.09	2714.	3.203
1304.	17.1	2715.	3.24
1305.	17.11	2716.	3.18
1306.	17.13	2717.	3.204
1307.	17.14	2718.	3.218
1308.	17.12	2719.	3.197
1309.	17.15	2720.	3.194
1310.	17.12	2721.	3.206
1311.	17.16	2722.	3.179
1312.	17.17	2723.	3.204
1313.	17.19	2724.	3.224
1314.	17.19	2725.	3.19
1315.	17.15	2726.	3.197
1316.	17.2	2727.	3.196
1317.	17.21	2728.	3.173
1318.	17.19	2729.	3.177
1319.	17.18	2730.	3.17
1320.	17.2	2731.	3.16
1321.	17.22	2732.	3.164
1322.	17.17	2733.	3.155
1323.	17.25	2734.	3.166
1324.	17.24	2735.	3.163
1325.	17.21	2736.	3.172
1326.	17.24	2737.	3.19
1327.	17.23	2738.	3.176
1328.	17.21	2739.	3.119
1329.	17.25	2740.	3.158
1330.	17.24	2741.	3.207
1331.	17.26	2742.	3.151
1332.	17.26	2743.	3.133
1333.	17.28	2744.	3.171
1334.	17.29	2745.	3.126
1335.	17.26	2746.	3.135
1336.	17.27	2747.	3.147
1337.	17.33	2748.	3.147
1338.	17.29	2749.	3.143
1339.	17.28	2750.	3.126
1340.	17.3	2751.	3.142
1341.	17.3	2752.	3.15
1342.	17.3	2753.	3.158
1343.	17.27	2754.	3.132
1344.	17.33	2755.	3.121
1345.	17.37	2756.	3.122
1346.	17.35	2757.	3.133
1347.	17.35	2758.	3.134
1348.	17.35	2759.	3.128
1349.	17.38	2760.	3.119
1350.	17.36	2761.	3.131
1351.	17.35	2762.	3.131
1352.	17.38	2763.	3.111

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	17.39	2764.	3.104
1354.	17.36	2765.	3.094
1355.	17.35	2766.	3.113
1356.	17.38	2767.	3.086
1357.	17.43	2768.	3.059
1358.	17.4	2769.	3.08
1359.	17.4	2770.	3.09
1360.	17.42	2771.	3.096
1361.	17.43	2772.	3.112
1362.	17.45	2773.	3.092
1363.	17.42	2774.	3.062
1364.	17.4	2775.	3.056
1365.	17.45	2776.	3.079
1366.	17.44	2777.	3.063
1367.	17.45	2778.	3.062
1368.	17.47	2779.	3.079
1369.	17.42	2780.	3.061
1370.	17.45	2781.	3.074
1371.	17.46	2782.	3.053
1372.	17.45	2783.	3.069
1373.	17.45	2784.	3.086
1374.	17.49	2785.	3.058
1375.	17.49	2786.	3.069
1376.	17.48	2787.	3.019
1377.	17.49	2788.	3.08
1378.	17.52	2789.	3.09
1379.	17.5	2790.	3.083
1380.	17.53	2791.	3.07
1381.	17.53	2792.	3.024
1382.	17.51	2793.	3.072
1383.	17.52	2794.	3.031
1384.	17.5	2795.	3.043
1385.	17.52	2796.	3.051
1386.	17.53	2797.	3.057
1387.	17.54	2798.	3.027
1388.	17.54	2799.	3.05
1389.	17.54	2800.	3.053
1390.	17.54	2801.	3.06
1391.	17.55	2802.	3.005
1392.	17.56	2803.	3.019
1393.	17.56	2804.	3.039
1394.	17.55	2805.	3.028
1395.	17.55	2806.	3.007
1396.	17.56	2807.	3.023
1397.	17.57	2808.	2.998
1398.	17.62	2809.	3.03
1399.	17.59	2810.	3.016
1400.	17.58	2811.	3.023
1401.	17.59	2812.	3.045
1402.	17.57	2813.	3.007
1403.	17.61	2814.	3.016
1404.	17.6	2815.	3.004
1405.	17.6	2816.	2.999
1406.	17.6	2817.	3.015
1407.	17.63	2818.	3.076
1408.	17.63	2819.	2.988
1409.	17.64	2820.	3.004
1410.	17.65	2821.	3.001
1411.	17.65		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1256.1	ft^2/day
S	0.000106	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.7 ft/day (0.005539 cm/sec)
Ss = S/b = 1.325E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1269.1	1.903	+/- 3.732	666.9	ft^2/day
S	6.42E-5	2.578E-7	+/- 5.056E-7	249.	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.86 ft/day (0.005596 cm/sec)
Ss = S/b = 8.025E-7 1/ft

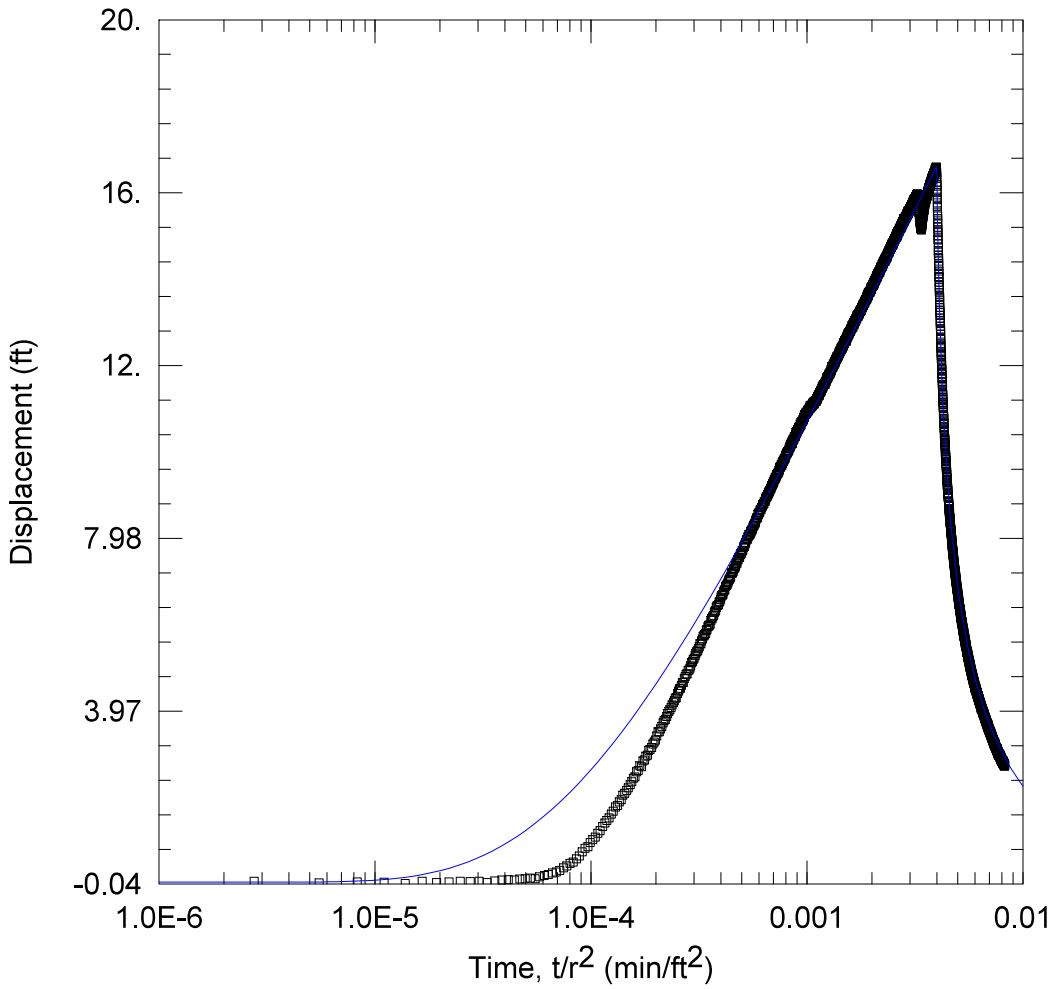
Parameter Correlations

	T	S
T	1.00	-0.85
S	-0.85	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 338. ft^2
Variance . . . . . 0.1199 ft^2
Std. Deviation . . . . . 0.3463 ft
Mean . . . . . -0.09442 ft
No. of Residuals 2821
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW11A.aqt
Date: 04/11/25 Time: 12:04:25

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW11A	965	238

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1305.4 ft^2/day
S = 8.244E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:16:43

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW11A

X Location: 965. ft
Y Location: 238. ft

Radial distance from BM 1B: 601.6552169 ft
Radial distance from BM2A: 864.2505424 ft
Radial distance from BM3: 571.1610981 ft
Radial distance from BM 4 : 602.6848264 ft
Radial distance from BM5: 877.9441896 ft
Radial distance from BM 6: 1063.528561 ft
Radial distance from BM7: 1191.164556 ft
Radial distance from BM9: 1654.516848 ft

Fully Penetrating Well

No. of Observations: 2981

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.02053	1492.	13.45
2.	-0.01839	1493.	13.4
3.	0.00474	1494.	13.33
4.	-0.006164	1495.	13.27
5.	-0.03326	1496.	13.22
6.	0.02053	1497.	13.22
7.	-0.01115	1498.	13.15
8.	0.0036	1499.	13.08
9.	0.01907	1500.	13.02
10.	0.01064	1501.	12.99
11.	0.02143	1502.	12.96
12.	-0.01363	1503.	12.89
13.	0.02944	1504.	12.81
14.	0.04927	1505.	12.81
15.	0.05567	1506.	12.77
16.	0.0483	1507.	12.71
17.	0.07272	1508.	12.65
18.	0.07955	1509.	12.61
19.	0.09497	1510.	12.59
20.	0.07833	1511.	12.49
21.	0.1252	1512.	12.45
22.	0.1563	1513.	12.41
23.	0.1775	1514.	12.37
24.	0.2105	1515.	12.31
25.	0.2325	1516.	12.28
26.	0.2721	1517.	12.24
27.	0.3291	1518.	12.21
28.	0.3745	1519.	12.14
29.	0.4345	1520.	12.11
30.	0.4619	1521.	12.1
31.	0.5357	1522.	12.02
32.	0.6036	1523.	12.02

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.7036	1524.	11.97
34.	0.7807	1525.	11.91
35.	0.8193	1526.	11.89
36.	0.9189	1527.	11.86
37.	0.9821	1528.	11.8
38.	1.04	1529.	11.77
39.	1.13	1530.	11.72
40.	1.198	1531.	11.68
41.	1.293	1532.	11.67
42.	1.378	1533.	11.59
43.	1.432	1534.	11.55
44.	1.496	1535.	11.51
45.	1.585	1536.	11.5
46.	1.646	1537.	11.44
47.	1.746	1538.	11.41
48.	1.78	1539.	11.42
49.	1.865	1540.	11.37
50.	1.916	1541.	11.32
51.	2.019	1542.	11.28
52.	2.061	1543.	11.24
53.	2.132	1544.	11.2
54.	2.191	1545.	11.16
55.	2.266	1546.	11.12
56.	2.328	1547.	11.12
57.	2.411	1548.	11.08
58.	2.443	1549.	11.04
59.	2.561	1550.	11.
60.	2.588	1551.	10.99
61.	2.703	1552.	10.94
62.	2.679	1553.	10.91
63.	2.811	1554.	10.88
64.	2.837	1555.	10.81
65.	2.926	1556.	10.84
66.	2.95	1557.	10.81
67.	3.06	1558.	10.76
68.	3.078	1559.	10.74
69.	3.129	1560.	10.67
70.	3.208	1561.	10.65
71.	3.249	1562.	10.63
72.	3.292	1563.	10.62
73.	3.39	1564.	10.56
74.	3.482	1565.	10.54
75.	3.484	1566.	10.52
76.	3.552	1567.	10.49
77.	3.613	1568.	10.44
78.	3.691	1569.	10.44
79.	3.745	1570.	10.39
80.	3.778	1571.	10.37
81.	3.839	1572.	10.36
82.	3.906	1573.	10.3
83.	3.963	1574.	10.28
84.	3.997	1575.	10.27
85.	4.046	1576.	10.24
86.	4.11	1577.	10.21
87.	4.16	1578.	10.2
88.	4.205	1579.	10.15
89.	4.267	1580.	10.14
90.	4.271	1581.	10.14
91.	4.378	1582.	10.1
92.	4.429	1583.	10.04
93.	4.486	1584.	10.04
94.	4.502	1585.	10.
95.	4.565	1586.	9.979
96.	4.635	1587.	9.933
97.	4.635	1588.	9.935
98.	4.724	1589.	9.916

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	4.775	1590.	9.895
100.	4.828	1591.	9.872
101.	4.833	1592.	9.855
102.	4.914	1593.	9.817
103.	4.919	1594.	9.796
104.	4.964	1595.	9.758
105.	5.017	1596.	9.747
106.	5.092	1597.	9.714
107.	5.119	1598.	9.71
108.	5.162	1599.	9.672
109.	5.19	1600.	9.676
110.	5.253	1601.	9.635
111.	5.295	1602.	9.599
112.	5.338	1603.	9.591
113.	5.364	1604.	9.587
114.	5.415	1605.	9.525
115.	5.456	1606.	9.495
116.	5.525	1607.	9.502
117.	5.523	1608.	9.465
118.	5.596	1609.	9.445
119.	5.638	1610.	9.425
120.	5.705	1611.	9.377
121.	5.711	1612.	9.387
122.	5.744	1613.	9.317
123.	5.766	1614.	9.349
124.	5.835	1615.	9.311
125.	5.862	1616.	9.279
126.	5.918	1617.	9.266
127.	5.958	1618.	9.241
128.	5.942	1619.	9.211
129.	5.986	1620.	9.209
130.	6.071	1621.	9.186
131.	6.106	1622.	9.161
132.	6.116	1623.	9.129
133.	6.155	1624.	9.144
134.	6.189	1625.	9.096
135.	6.257	1626.	9.087
136.	6.291	1627.	9.095
137.	6.295	1628.	9.01
138.	6.369	1629.	9.027
139.	6.403	1630.	9.01
140.	6.418	1631.	8.989
141.	6.446	1632.	8.977
142.	6.494	1633.	8.94
143.	6.507	1634.	8.927
144.	6.562	1635.	8.929
145.	6.616	1636.	8.92
146.	6.648	1637.	8.913
147.	6.658	1638.	8.846
148.	6.676	1639.	8.814
149.	6.731	1640.	8.815
150.	6.773	1641.	8.82
151.	6.785	1642.	8.81
152.	6.861	1643.	8.764
153.	6.88	1644.	8.744
154.	6.891	1645.	8.761
155.	6.901	1646.	8.717
156.	6.938	1647.	8.709
157.	6.987	1648.	8.654
158.	7.017	1649.	8.66
159.	7.034	1650.	8.633
160.	7.076	1651.	8.625
161.	7.081	1652.	8.614
162.	7.169	1653.	8.594
163.	7.176	1654.	8.561
164.	7.167	1655.	8.59

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.21	1656.	8.555
166.	7.257	1657.	8.547
167.	7.274	1658.	8.523
168.	7.293	1659.	8.474
169.	7.329	1660.	8.504
170.	7.355	1661.	8.463
171.	7.406	1662.	8.442
172.	7.398	1663.	8.44
173.	7.475	1664.	8.436
174.	7.473	1665.	8.403
175.	7.527	1666.	8.395
176.	7.536	1667.	8.362
177.	7.53	1668.	8.336
178.	7.587	1669.	8.34
179.	7.627	1670.	8.343
180.	7.617	1671.	8.31
181.	7.652	1672.	8.298
182.	7.696	1673.	8.26
183.	7.694	1674.	8.244
184.	7.763	1675.	8.253
185.	7.776	1676.	8.212
186.	7.78	1677.	8.211
187.	7.827	1678.	8.191
188.	7.86	1679.	8.195
189.	7.872	1680.	8.172
190.	7.938	1681.	8.148
191.	7.947	1682.	8.165
192.	7.961	1683.	8.146
193.	8.006	1684.	8.093
194.	8.017	1685.	8.097
195.	8.059	1686.	8.084
196.	8.044	1687.	8.074
197.	8.062	1688.	8.064
198.	8.086	1689.	8.027
199.	8.139	1690.	8.033
200.	8.118	1691.	8.017
201.	8.162	1692.	7.996
202.	8.183	1693.	7.991
203.	8.194	1694.	7.979
204.	8.24	1695.	7.962
205.	8.274	1696.	7.945
206.	8.269	1697.	7.937
207.	8.307	1698.	7.926
208.	8.318	1699.	7.903
209.	8.347	1700.	7.873
210.	8.385	1701.	7.874
211.	8.424	1702.	7.871
212.	8.449	1703.	7.841
213.	8.46	1704.	7.815
214.	8.457	1705.	7.819
215.	8.533	1706.	7.783
216.	8.52	1707.	7.823
217.	8.558	1708.	7.776
218.	8.583	1709.	7.746
219.	8.583	1710.	7.763
220.	8.63	1711.	7.784
221.	8.64	1712.	7.716
222.	8.645	1713.	7.722
223.	8.682	1714.	7.709
224.	8.688	1715.	7.681
225.	8.722	1716.	7.683
226.	8.757	1717.	7.682
227.	8.754	1718.	7.658
228.	8.783	1719.	7.628
229.	8.779	1720.	7.612
230.	8.83	1721.	7.586

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	8.828	1722.	7.59
232.	8.842	1723.	7.582
233.	8.867	1724.	7.578
234.	8.907	1725.	7.573
235.	8.919	1726.	7.557
236.	8.943	1727.	7.533
237.	8.944	1728.	7.56
238.	8.982	1729.	7.517
239.	8.987	1730.	7.489
240.	9.007	1731.	7.502
241.	9.051	1732.	7.459
242.	9.042	1733.	7.434
243.	9.089	1734.	7.46
244.	9.066	1735.	7.421
245.	9.113	1736.	7.419
246.	9.121	1737.	7.408
247.	9.139	1738.	7.425
248.	9.165	1739.	7.376
249.	9.205	1740.	7.398
250.	9.188	1741.	7.365
251.	9.224	1742.	7.38
252.	9.253	1743.	7.318
253.	9.257	1744.	7.365
254.	9.28	1745.	7.324
255.	9.295	1746.	7.334
256.	9.328	1747.	7.317
257.	9.348	1748.	7.292
258.	9.381	1749.	7.272
259.	9.364	1750.	7.25
260.	9.393	1751.	7.258
261.	9.408	1752.	7.251
262.	9.45	1753.	7.226
263.	9.44	1754.	7.232
264.	9.464	1755.	7.223
265.	9.48	1756.	7.213
266.	9.497	1757.	7.2
267.	9.507	1758.	7.173
268.	9.505	1759.	7.134
269.	9.547	1760.	7.17
270.	9.557	1761.	7.171
271.	9.615	1762.	7.135
272.	9.615	1763.	7.129
273.	9.641	1764.	7.11
274.	9.624	1765.	7.094
275.	9.643	1766.	7.11
276.	9.69	1767.	7.114
277.	9.675	1768.	7.077
278.	9.731	1769.	7.084
279.	9.704	1770.	7.089
280.	9.747	1771.	7.077
281.	9.765	1772.	7.043
282.	9.758	1773.	7.018
283.	9.773	1774.	7.018
284.	9.815	1775.	7.01
285.	9.815	1776.	6.991
286.	9.834	1777.	6.974
287.	9.829	1778.	6.991
288.	9.875	1779.	6.977
289.	9.895	1780.	6.953
290.	9.909	1781.	6.945
291.	9.943	1782.	6.925
292.	9.939	1783.	6.932
293.	9.96	1784.	6.91
294.	9.953	1785.	6.923
295.	9.987	1786.	6.87
296.	9.988	1787.	6.891

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	9.996	1788.	6.846
298.	10.02	1789.	6.863
299.	10.02	1790.	6.866
300.	10.07	1791.	6.813
301.	10.08	1792.	6.834
302.	10.1	1793.	6.845
303.	10.09	1794.	6.806
304.	10.13	1795.	6.8
305.	10.16	1796.	6.797
306.	10.15	1797.	6.772
307.	10.18	1798.	6.755
308.	10.2	1799.	6.789
309.	10.22	1800.	6.799
310.	10.18	1801.	6.765
311.	10.23	1802.	6.741
312.	10.23	1803.	6.734
313.	10.27	1804.	6.726
314.	10.26	1805.	6.713
315.	10.27	1806.	6.71
316.	10.29	1807.	6.717
317.	10.34	1808.	6.683
318.	10.33	1809.	6.709
319.	10.33	1810.	6.664
320.	10.34	1811.	6.636
321.	10.39	1812.	6.672
322.	10.42	1813.	6.645
323.	10.4	1814.	6.64
324.	10.44	1815.	6.627
325.	10.45	1816.	6.624
326.	10.43	1817.	6.603
327.	10.45	1818.	6.62
328.	10.48	1819.	6.596
329.	10.51	1820.	6.563
330.	10.5	1821.	6.583
331.	10.54	1822.	6.603
332.	10.52	1823.	6.573
333.	10.56	1824.	6.543
334.	10.55	1825.	6.539
335.	10.57	1826.	6.515
336.	10.57	1827.	6.541
337.	10.63	1828.	6.527
338.	10.58	1829.	6.469
339.	10.61	1830.	6.498
340.	10.61	1831.	6.468
341.	10.66	1832.	6.455
342.	10.68	1833.	6.466
343.	10.67	1834.	6.452
344.	10.69	1835.	6.462
345.	10.69	1836.	6.442
346.	10.69	1837.	6.431
347.	10.72	1838.	6.436
348.	10.72	1839.	6.428
349.	10.72	1840.	6.396
350.	10.77	1841.	6.414
351.	10.79	1842.	6.377
352.	10.82	1843.	6.383
353.	10.78	1844.	6.377
354.	10.84	1845.	6.372
355.	10.84	1846.	6.362
356.	10.84	1847.	6.338
357.	10.86	1848.	6.349
358.	10.88	1849.	6.345
359.	10.9	1850.	6.315
360.	10.89	1851.	6.31
361.	10.87	1852.	6.341
362.	10.89	1853.	6.319

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	10.92	1854.	6.304
364.	10.91	1855.	6.317
365.	10.95	1856.	6.3
366.	10.93	1857.	6.268
367.	10.93	1858.	6.274
368.	10.94	1859.	6.243
369.	10.96	1860.	6.242
370.	10.95	1861.	6.273
371.	10.99	1862.	6.248
372.	11.	1863.	6.233
373.	11.	1864.	6.225
374.	11.01	1865.	6.225
375.	11.05	1866.	6.192
376.	11.01	1867.	6.213
377.	11.	1868.	6.206
378.	11.03	1869.	6.169
379.	11.02	1870.	6.148
380.	11.03	1871.	6.19
381.	11.06	1872.	6.142
382.	11.07	1873.	6.151
383.	11.09	1874.	6.132
384.	11.09	1875.	6.123
385.	11.05	1876.	6.13
386.	11.11	1877.	6.123
387.	11.13	1878.	6.115
388.	11.11	1879.	6.099
389.	11.09	1880.	6.098
390.	11.09	1881.	6.086
391.	11.09	1882.	6.068
392.	11.1	1883.	6.059
393.	11.13	1884.	6.062
394.	11.14	1885.	6.054
395.	11.15	1886.	6.046
396.	11.17	1887.	6.035
397.	11.17	1888.	6.054
398.	11.16	1889.	6.038
399.	11.14	1890.	6.036
400.	11.17	1891.	6.032
401.	11.17	1892.	6.012
402.	11.21	1893.	5.995
403.	11.23	1894.	5.999
404.	11.21	1895.	5.978
405.	11.2	1896.	5.991
406.	11.24	1897.	5.984
407.	11.26	1898.	5.956
408.	11.27	1899.	5.971
409.	11.28	1900.	5.983
410.	11.29	1901.	5.943
411.	11.3	1902.	5.957
412.	11.28	1903.	5.939
413.	11.3	1904.	5.925
414.	11.31	1905.	5.878
415.	11.34	1906.	5.925
416.	11.37	1907.	5.915
417.	11.36	1908.	5.899
418.	11.36	1909.	5.901
419.	11.37	1910.	5.883
420.	11.41	1911.	5.87
421.	11.38	1912.	5.854
422.	11.41	1913.	5.847
423.	11.4	1914.	5.848
424.	11.43	1915.	5.869
425.	11.45	1916.	5.828
426.	11.49	1917.	5.827
427.	11.45	1918.	5.829
428.	11.47	1919.	5.838

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	11.48	1920.	5.814
430.	11.49	1921.	5.819
431.	11.53	1922.	5.786
432.	11.53	1923.	5.795
433.	11.53	1924.	5.803
434.	11.54	1925.	5.781
435.	11.54	1926.	5.819
436.	11.56	1927.	5.789
437.	11.57	1928.	5.789
438.	11.55	1929.	5.762
439.	11.58	1930.	5.777
440.	11.55	1931.	5.736
441.	11.58	1932.	5.726
442.	11.62	1933.	5.721
443.	11.61	1934.	5.707
444.	11.61	1935.	5.694
445.	11.66	1936.	5.702
446.	11.65	1937.	5.718
447.	11.7	1938.	5.682
448.	11.68	1939.	5.708
449.	11.69	1940.	5.71
450.	11.67	1941.	5.694
451.	11.7	1942.	5.677
452.	11.69	1943.	5.648
453.	11.73	1944.	5.69
454.	11.71	1945.	5.651
455.	11.74	1946.	5.665
456.	11.75	1947.	5.643
457.	11.74	1948.	5.612
458.	11.77	1949.	5.606
459.	11.78	1950.	5.597
460.	11.8	1951.	5.639
461.	11.8	1952.	5.657
462.	11.78	1953.	5.616
463.	11.8	1954.	5.627
464.	11.83	1955.	5.579
465.	11.82	1956.	5.564
466.	11.86	1957.	5.578
467.	11.84	1958.	5.569
468.	11.86	1959.	5.572
469.	11.9	1960.	5.518
470.	11.87	1961.	5.594
471.	11.92	1962.	5.539
472.	11.91	1963.	5.559
473.	11.95	1964.	5.545
474.	11.95	1965.	5.533
475.	11.95	1966.	5.521
476.	11.94	1967.	5.549
477.	11.93	1968.	5.517
478.	11.95	1969.	5.48
479.	11.99	1970.	5.483
480.	11.97	1971.	5.509
481.	11.97	1972.	5.49
482.	12.01	1973.	5.505
483.	12.	1974.	5.485
484.	12.03	1975.	5.507
485.	12.01	1976.	5.458
486.	12.06	1977.	5.466
487.	12.05	1978.	5.469
488.	12.04	1979.	5.434
489.	12.08	1980.	5.445
490.	12.06	1981.	5.469
491.	12.09	1982.	5.454
492.	12.09	1983.	5.431
493.	12.13	1984.	5.457
494.	12.12	1985.	5.399

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	12.12	1986.	5.433
496.	12.15	1987.	5.421
497.	12.14	1988.	5.393
498.	12.16	1989.	5.397
499.	12.18	1990.	5.38
500.	12.16	1991.	5.373
501.	12.16	1992.	5.352
502.	12.2	1993.	5.347
503.	12.18	1994.	5.331
504.	12.19	1995.	5.332
505.	12.21	1996.	5.355
506.	12.22	1997.	5.355
507.	12.22	1998.	5.345
508.	12.23	1999.	5.365
509.	12.25	2000.	5.324
510.	12.24	2001.	5.316
511.	12.29	2002.	5.339
512.	12.26	2003.	5.309
513.	12.28	2004.	5.304
514.	12.29	2005.	5.292
515.	12.31	2006.	5.272
516.	12.32	2007.	5.295
517.	12.31	2008.	5.263
518.	12.32	2009.	5.28
519.	12.32	2010.	5.258
520.	12.36	2011.	5.278
521.	12.35	2012.	5.309
522.	12.39	2013.	5.259
523.	12.39	2014.	5.278
524.	12.4	2015.	5.256
525.	12.36	2016.	5.217
526.	12.37	2017.	5.229
527.	12.42	2018.	5.23
528.	12.4	2019.	5.261
529.	12.41	2020.	5.207
530.	12.43	2021.	5.206
531.	12.42	2022.	5.243
532.	12.42	2023.	5.224
533.	12.46	2024.	5.191
534.	12.45	2025.	5.216
535.	12.46	2026.	5.193
536.	12.49	2027.	5.183
537.	12.49	2028.	5.181
538.	12.52	2029.	5.16
539.	12.52	2030.	5.188
540.	12.51	2031.	5.158
541.	12.5	2032.	5.155
542.	12.52	2033.	5.154
543.	12.56	2034.	5.16
544.	12.54	2035.	5.177
545.	12.56	2036.	5.158
546.	12.56	2037.	5.158
547.	12.56	2038.	5.111
548.	12.58	2039.	5.14
549.	12.59	2040.	5.142
550.	12.59	2041.	5.122
551.	12.61	2042.	5.121
552.	12.63	2043.	5.117
553.	12.55	2044.	5.1
554.	12.62	2045.	5.136
555.	12.6	2046.	5.092
556.	12.66	2047.	5.045
557.	12.66	2048.	5.095
558.	12.68	2049.	5.061
559.	12.64	2050.	5.058
560.	12.68	2051.	5.079

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	12.7	2052.	5.077
562.	12.66	2053.	5.086
563.	12.72	2054.	5.059
564.	12.71	2055.	5.026
565.	12.72	2056.	5.044
566.	12.74	2057.	5.054
567.	12.7	2058.	4.993
568.	12.73	2059.	5.014
569.	12.74	2060.	5.047
570.	12.75	2061.	5.002
571.	12.77	2062.	5.04
572.	12.76	2063.	5.002
573.	12.77	2064.	5.001
574.	12.78	2065.	4.986
575.	12.79	2066.	5.047
576.	12.79	2067.	5.014
577.	12.8	2068.	5.013
578.	12.82	2069.	4.972
579.	12.82	2070.	4.966
580.	12.84	2071.	4.964
581.	12.83	2072.	4.974
582.	12.84	2073.	4.961
583.	12.85	2074.	4.938
584.	12.85	2075.	4.93
585.	12.85	2076.	4.963
586.	12.91	2077.	4.946
587.	12.9	2078.	4.974
588.	12.91	2079.	4.926
589.	12.92	2080.	4.936
590.	12.89	2081.	4.921
591.	12.87	2082.	4.93
592.	12.92	2083.	4.923
593.	12.95	2084.	4.926
594.	12.93	2085.	4.92
595.	12.95	2086.	4.879
596.	12.97	2087.	4.881
597.	12.96	2088.	4.882
598.	12.96	2089.	4.887
599.	12.92	2090.	4.898
600.	12.97	2091.	4.898
601.	13.02	2092.	4.901
602.	12.97	2093.	4.845
603.	13.01	2094.	4.841
604.	13.01	2095.	4.883
605.	13.01	2096.	4.841
606.	13.03	2097.	4.877
607.	13.04	2098.	4.85
608.	13.01	2099.	4.84
609.	13.02	2100.	4.825
610.	13.03	2101.	4.845
611.	13.05	2102.	4.83
612.	13.06	2103.	4.797
613.	13.08	2104.	4.823
614.	13.09	2105.	4.811
615.	13.07	2106.	4.811
616.	13.07	2107.	4.784
617.	13.11	2108.	4.793
618.	13.12	2109.	4.792
619.	13.15	2110.	4.802
620.	13.13	2111.	4.812
621.	13.11	2112.	4.777
622.	13.13	2113.	4.777
623.	13.15	2114.	4.804
624.	13.11	2115.	4.76
625.	13.16	2116.	4.774
626.	13.16	2117.	4.77

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	13.15	2118.	4.798
628.	13.16	2119.	4.727
629.	13.16	2120.	4.755
630.	13.15	2121.	4.76
631.	13.19	2122.	4.737
632.	13.19	2123.	4.742
633.	13.22	2124.	4.692
634.	13.19	2125.	4.737
635.	13.21	2126.	4.735
636.	13.23	2127.	4.714
637.	13.23	2128.	4.748
638.	13.25	2129.	4.718
639.	13.25	2130.	4.707
640.	13.23	2131.	4.702
641.	13.26	2132.	4.687
642.	13.26	2133.	4.685
643.	13.27	2134.	4.69
644.	13.28	2135.	4.726
645.	13.29	2136.	4.661
646.	13.28	2137.	4.679
647.	13.25	2138.	4.694
648.	13.32	2139.	4.691
649.	13.32	2140.	4.682
650.	13.32	2141.	4.664
651.	13.32	2142.	4.646
652.	13.32	2143.	4.673
653.	13.32	2144.	4.668
654.	13.35	2145.	4.653
655.	13.36	2146.	4.647
656.	13.35	2147.	4.668
657.	13.36	2148.	4.61
658.	13.39	2149.	4.609
659.	13.38	2150.	4.636
660.	13.37	2151.	4.644
661.	13.38	2152.	4.625
662.	13.41	2153.	4.608
663.	13.39	2154.	4.625
664.	13.41	2155.	4.62
665.	13.42	2156.	4.599
666.	13.43	2157.	4.589
667.	13.42	2158.	4.63
668.	13.45	2159.	4.637
669.	13.44	2160.	4.6
670.	13.46	2161.	4.572
671.	13.45	2162.	4.595
672.	13.44	2163.	4.572
673.	13.47	2164.	4.574
674.	13.48	2165.	4.583
675.	13.52	2166.	4.563
676.	13.5	2167.	4.532
677.	13.5	2168.	4.539
678.	13.51	2169.	4.563
679.	13.5	2170.	4.594
680.	13.51	2171.	4.534
681.	13.51	2172.	4.495
682.	13.53	2173.	4.537
683.	13.52	2174.	4.507
684.	13.55	2175.	4.545
685.	13.57	2176.	4.541
686.	13.56	2177.	4.522
687.	13.53	2178.	4.518
688.	13.55	2179.	4.531
689.	13.6	2180.	4.515
690.	13.6	2181.	4.49
691.	13.62	2182.	4.513
692.	13.61	2183.	4.505

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	13.59	2184.	4.528
694.	13.59	2185.	4.472
695.	13.64	2186.	4.456
696.	13.6	2187.	4.497
697.	13.62	2188.	4.476
698.	13.66	2189.	4.489
699.	13.62	2190.	4.512
700.	13.62	2191.	4.49
701.	13.67	2192.	4.449
702.	13.67	2193.	4.484
703.	13.68	2194.	4.442
704.	13.7	2195.	4.468
705.	13.68	2196.	4.464
706.	13.7	2197.	4.465
707.	13.7	2198.	4.465
708.	13.68	2199.	4.473
709.	13.7	2200.	4.427
710.	13.69	2201.	4.443
711.	13.69	2202.	4.464
712.	13.72	2203.	4.445
713.	13.73	2204.	4.483
714.	13.75	2205.	4.437
715.	13.74	2206.	4.44
716.	13.76	2207.	4.432
717.	13.73	2208.	4.404
718.	13.76	2209.	4.412
719.	13.8	2210.	4.423
720.	13.75	2211.	4.408
721.	13.77	2212.	4.408
722.	13.8	2213.	4.394
723.	13.81	2214.	4.411
724.	13.81	2215.	4.422
725.	13.8	2216.	4.396
726.	13.82	2217.	4.396
727.	13.82	2218.	4.363
728.	13.84	2219.	4.386
729.	13.84	2220.	4.362
730.	13.82	2221.	4.391
731.	13.84	2222.	4.363
732.	13.85	2223.	4.363
733.	13.86	2224.	4.404
734.	13.87	2225.	4.348
735.	13.84	2226.	4.385
736.	13.86	2227.	4.332
737.	13.89	2228.	4.396
738.	13.88	2229.	4.362
739.	13.91	2230.	4.363
740.	13.92	2231.	4.381
741.	13.87	2232.	4.337
742.	13.89	2233.	4.332
743.	13.93	2234.	4.33
744.	13.92	2235.	4.316
745.	13.92	2236.	4.3
746.	13.92	2237.	4.336
747.	13.95	2238.	4.308
748.	13.96	2239.	4.329
749.	13.95	2240.	4.328
750.	13.98	2241.	4.307
751.	13.96	2242.	4.315
752.	13.98	2243.	4.323
753.	13.95	2244.	4.286
754.	13.97	2245.	4.332
755.	13.99	2246.	4.286
756.	13.99	2247.	4.329
757.	13.99	2248.	4.284
758.	14.02	2249.	4.304

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	14.01	2250.	4.311
760.	14.03	2251.	4.257
761.	14.03	2252.	4.279
762.	14.03	2253.	4.279
763.	14.02	2254.	4.263
764.	14.04	2255.	4.274
765.	14.08	2256.	4.284
766.	14.04	2257.	4.264
767.	14.07	2258.	4.279
768.	14.07	2259.	4.262
769.	14.09	2260.	4.266
770.	14.07	2261.	4.261
771.	14.1	2262.	4.231
772.	14.08	2263.	4.267
773.	14.11	2264.	4.224
774.	14.13	2265.	4.223
775.	14.12	2266.	4.239
776.	14.14	2267.	4.246
777.	14.15	2268.	4.22
778.	14.11	2269.	4.241
779.	14.14	2270.	4.218
780.	14.14	2271.	4.22
781.	14.16	2272.	4.207
782.	14.13	2273.	4.191
783.	14.17	2274.	4.2
784.	14.15	2275.	4.231
785.	14.16	2276.	4.203
786.	14.18	2277.	4.209
787.	14.14	2278.	4.18
788.	14.18	2279.	4.191
789.	14.17	2280.	4.195
790.	14.2	2281.	4.191
791.	14.22	2282.	4.179
792.	14.22	2283.	4.191
793.	14.2	2284.	4.152
794.	14.24	2285.	4.161
795.	14.23	2286.	4.163
796.	14.24	2287.	4.169
797.	14.26	2288.	4.147
798.	14.28	2289.	4.175
799.	14.25	2290.	4.167
800.	14.26	2291.	4.178
801.	14.27	2292.	4.16
802.	14.26	2293.	4.146
803.	14.28	2294.	4.146
804.	14.28	2295.	4.122
805.	14.27	2296.	4.14
806.	14.28	2297.	4.156
807.	14.29	2298.	4.175
808.	14.32	2299.	4.134
809.	14.29	2300.	4.126
810.	14.31	2301.	4.171
811.	14.31	2302.	4.136
812.	14.31	2303.	4.14
813.	14.31	2304.	4.083
814.	14.33	2305.	4.107
815.	14.35	2306.	4.135
816.	14.36	2307.	4.123
817.	14.36	2308.	4.092
818.	14.37	2309.	4.102
819.	14.39	2310.	4.099
820.	14.38	2311.	4.097
821.	14.38	2312.	4.104
822.	14.4	2313.	4.112
823.	14.39	2314.	4.112
824.	14.39	2315.	4.096

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	14.39	2316.	4.078
826.	14.43	2317.	4.082
827.	14.43	2318.	4.101
828.	14.4	2319.	4.031
829.	14.45	2320.	4.048
830.	14.42	2321.	4.078
831.	14.39	2322.	4.066
832.	14.43	2323.	4.057
833.	14.43	2324.	4.077
834.	14.43	2325.	4.071
835.	14.43	2326.	4.061
836.	14.46	2327.	4.046
837.	14.47	2328.	4.061
838.	14.47	2329.	4.072
839.	14.47	2330.	4.039
840.	14.44	2331.	4.007
841.	14.46	2332.	4.043
842.	14.47	2333.	4.043
843.	14.51	2334.	4.031
844.	14.48	2335.	4.007
845.	14.49	2336.	4.022
846.	14.52	2337.	4.03
847.	14.51	2338.	4.034
848.	14.5	2339.	4.012
849.	14.54	2340.	4.005
850.	14.51	2341.	4.012
851.	14.5	2342.	4.023
852.	14.54	2343.	4.012
853.	14.55	2344.	4.015
854.	14.58	2345.	4.011
855.	14.55	2346.	3.998
856.	14.55	2347.	3.991
857.	14.57	2348.	3.992
858.	14.57	2349.	3.997
859.	14.56	2350.	3.988
860.	14.6	2351.	3.993
861.	14.59	2352.	3.983
862.	14.59	2353.	3.97
863.	14.6	2354.	3.975
864.	14.6	2355.	3.977
865.	14.62	2356.	3.981
866.	14.61	2357.	3.98
867.	14.62	2358.	3.938
868.	14.6	2359.	3.952
869.	14.62	2360.	3.949
870.	14.65	2361.	3.958
871.	14.62	2362.	3.951
872.	14.64	2363.	3.96
873.	14.65	2364.	3.95
874.	14.65	2365.	3.972
875.	14.67	2366.	3.937
876.	14.68	2367.	3.934
877.	14.68	2368.	3.934
878.	14.68	2369.	3.935
879.	14.69	2370.	3.952
880.	14.69	2371.	3.931
881.	14.7	2372.	3.936
882.	14.69	2373.	3.958
883.	14.69	2374.	3.904
884.	14.73	2375.	3.906
885.	14.74	2376.	3.922
886.	14.71	2377.	3.92
887.	14.73	2378.	3.9
888.	14.71	2379.	3.914
889.	14.72	2380.	3.884
890.	14.72	2381.	3.931

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	14.73	2382.	3.902
892.	14.77	2383.	3.902
893.	14.75	2384.	3.914
894.	14.78	2385.	3.892
895.	14.8	2386.	3.883
896.	14.79	2387.	3.88
897.	14.79	2388.	3.909
898.	14.77	2389.	3.896
899.	14.78	2390.	3.896
900.	14.78	2391.	3.894
901.	14.8	2392.	3.855
902.	14.78	2393.	3.884
903.	14.78	2394.	3.884
904.	14.79	2395.	3.862
905.	14.83	2396.	3.903
906.	14.79	2397.	3.902
907.	14.83	2398.	3.884
908.	14.81	2399.	3.855
909.	14.84	2400.	3.876
910.	14.85	2401.	3.854
911.	14.86	2402.	3.849
912.	14.85	2403.	3.862
913.	14.85	2404.	3.857
914.	14.86	2405.	3.831
915.	14.85	2406.	3.814
916.	14.88	2407.	3.828
917.	14.88	2408.	3.846
918.	14.9	2409.	3.834
919.	14.89	2410.	3.831
920.	14.88	2411.	3.847
921.	14.89	2412.	3.832
922.	14.89	2413.	3.821
923.	14.88	2414.	3.818
924.	14.91	2415.	3.83
925.	14.92	2416.	3.817
926.	14.93	2417.	3.794
927.	14.91	2418.	3.786
928.	14.91	2419.	3.818
929.	14.93	2420.	3.82
930.	14.95	2421.	3.815
931.	14.96	2422.	3.782
932.	14.95	2423.	3.79
933.	14.94	2424.	3.805
934.	14.95	2425.	3.776
935.	14.98	2426.	3.812
936.	14.96	2427.	3.783
937.	14.97	2428.	3.782
938.	14.97	2429.	3.806
939.	14.98	2430.	3.801
940.	14.98	2431.	3.776
941.	14.98	2432.	3.782
942.	15.	2433.	3.795
943.	14.96	2434.	3.758
944.	15.03	2435.	3.751
945.	14.99	2436.	3.753
946.	14.99	2437.	3.772
947.	14.98	2438.	3.752
948.	15.04	2439.	3.753
949.	15.01	2440.	3.758
950.	15.04	2441.	3.763
951.	15.01	2442.	3.752
952.	15.04	2443.	3.755
953.	15.03	2444.	3.744
954.	15.03	2445.	3.769
955.	15.08	2446.	3.718
956.	15.08	2447.	3.736

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	15.05	2448.	3.741
958.	15.07	2449.	3.733
959.	15.07	2450.	3.758
960.	15.11	2451.	3.726
961.	15.09	2452.	3.682
962.	15.08	2453.	3.73
963.	15.09	2454.	3.715
964.	15.09	2455.	3.724
965.	15.08	2456.	3.717
966.	15.1	2457.	3.718
967.	15.11	2458.	3.697
968.	15.12	2459.	3.704
969.	15.1	2460.	3.702
970.	15.13	2461.	3.698
971.	15.15	2462.	3.707
972.	15.16	2463.	3.695
973.	15.16	2464.	3.711
974.	15.13	2465.	3.711
975.	15.15	2466.	3.697
976.	15.16	2467.	3.677
977.	15.15	2468.	3.682
978.	15.17	2469.	3.689
979.	15.16	2470.	3.691
980.	15.16	2471.	3.674
981.	15.16	2472.	3.676
982.	15.15	2473.	3.67
983.	15.21	2474.	3.663
984.	15.17	2475.	3.677
985.	15.19	2476.	3.654
986.	15.18	2477.	3.663
987.	15.21	2478.	3.635
988.	15.22	2479.	3.65
989.	15.17	2480.	3.638
990.	15.22	2481.	3.645
991.	15.23	2482.	3.623
992.	15.25	2483.	3.622
993.	15.23	2484.	3.654
994.	15.24	2485.	3.655
995.	15.24	2486.	3.677
996.	15.24	2487.	3.626
997.	15.21	2488.	3.62
998.	15.26	2489.	3.648
999.	15.26	2490.	3.618
1000.	15.28	2491.	3.618
1001.	15.28	2492.	3.654
1002.	15.29	2493.	3.617
1003.	15.27	2494.	3.627
1004.	15.28	2495.	3.64
1005.	15.27	2496.	3.626
1006.	15.27	2497.	3.603
1007.	15.32	2498.	3.614
1008.	15.27	2499.	3.593
1009.	15.33	2500.	3.574
1010.	15.3	2501.	3.606
1011.	15.33	2502.	3.569
1012.	15.31	2503.	3.605
1013.	15.36	2504.	3.604
1014.	15.31	2505.	3.606
1015.	15.33	2506.	3.607
1016.	15.31	2507.	3.583
1017.	15.32	2508.	3.576
1018.	15.39	2509.	3.567
1019.	15.33	2510.	3.557
1020.	15.33	2511.	3.571
1021.	15.34	2512.	3.586
1022.	15.34	2513.	3.584

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	15.36	2514.	3.583
1024.	15.37	2515.	3.568
1025.	15.38	2516.	3.552
1026.	15.37	2517.	3.556
1027.	15.37	2518.	3.56
1028.	15.4	2519.	3.563
1029.	15.39	2520.	3.561
1030.	15.4	2521.	3.545
1031.	15.37	2522.	3.552
1032.	15.4	2523.	3.564
1033.	15.4	2524.	3.521
1034.	15.43	2525.	3.532
1035.	15.41	2526.	3.537
1036.	15.41	2527.	3.548
1037.	15.42	2528.	3.544
1038.	15.43	2529.	3.518
1039.	15.41	2530.	3.525
1040.	15.42	2531.	3.524
1041.	15.44	2532.	3.548
1042.	15.43	2533.	3.551
1043.	15.43	2534.	3.502
1044.	15.45	2535.	3.509
1045.	15.43	2536.	3.503
1046.	15.43	2537.	3.525
1047.	15.47	2538.	3.531
1048.	15.47	2539.	3.518
1049.	15.44	2540.	3.496
1050.	15.49	2541.	3.509
1051.	15.45	2542.	3.487
1052.	15.46	2543.	3.502
1053.	15.47	2544.	3.493
1054.	15.51	2545.	3.494
1055.	15.47	2546.	3.501
1056.	15.49	2547.	3.483
1057.	15.5	2548.	3.518
1058.	15.5	2549.	3.475
1059.	15.49	2550.	3.491
1060.	15.51	2551.	3.473
1061.	15.5	2552.	3.498
1062.	15.51	2553.	3.49
1063.	15.54	2554.	3.451
1064.	15.5	2555.	3.479
1065.	15.56	2556.	3.465
1066.	15.52	2557.	3.474
1067.	15.55	2558.	3.463
1068.	15.55	2559.	3.463
1069.	15.54	2560.	3.446
1070.	15.53	2561.	3.47
1071.	15.52	2562.	3.479
1072.	15.53	2563.	3.473
1073.	15.57	2564.	3.471
1074.	15.56	2565.	3.445
1075.	15.58	2566.	3.438
1076.	15.57	2567.	3.458
1077.	15.59	2568.	3.442
1078.	15.57	2569.	3.444
1079.	15.56	2570.	3.432
1080.	15.58	2571.	3.435
1081.	15.59	2572.	3.423
1082.	15.6	2573.	3.474
1083.	15.57	2574.	3.445
1084.	15.6	2575.	3.429
1085.	15.62	2576.	3.442
1086.	15.61	2577.	3.423
1087.	15.62	2578.	3.414
1088.	15.63	2579.	3.426

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	15.61	2580.	3.447
1090.	15.62	2581.	3.407
1091.	15.62	2582.	3.422
1092.	15.63	2583.	3.396
1093.	15.62	2584.	3.407
1094.	15.65	2585.	3.392
1095.	15.63	2586.	3.409
1096.	15.66	2587.	3.392
1097.	15.65	2588.	3.38
1098.	15.67	2589.	3.388
1099.	15.68	2590.	3.399
1100.	15.67	2591.	3.399
1101.	15.64	2592.	3.379
1102.	15.67	2593.	3.386
1103.	15.69	2594.	3.35
1104.	15.67	2595.	3.365
1105.	15.69	2596.	3.391
1106.	15.68	2597.	3.364
1107.	15.72	2598.	3.344
1108.	15.67	2599.	3.345
1109.	15.69	2600.	3.367
1110.	15.7	2601.	3.358
1111.	15.73	2602.	3.386
1112.	15.72	2603.	3.383
1113.	15.72	2604.	3.381
1114.	15.72	2605.	3.384
1115.	15.73	2606.	3.346
1116.	15.73	2607.	3.334
1117.	15.7	2608.	3.35
1118.	15.75	2609.	3.355
1119.	15.73	2610.	3.363
1120.	15.75	2611.	3.338
1121.	15.76	2612.	3.345
1122.	15.77	2613.	3.347
1123.	15.78	2614.	3.325
1124.	15.73	2615.	3.379
1125.	15.77	2616.	3.339
1126.	15.8	2617.	3.347
1127.	15.77	2618.	3.32
1128.	15.78	2619.	3.326
1129.	15.79	2620.	3.323
1130.	15.79	2621.	3.352
1131.	15.79	2622.	3.32
1132.	15.78	2623.	3.316
1133.	15.79	2624.	3.324
1134.	15.83	2625.	3.318
1135.	15.82	2626.	3.276
1136.	15.82	2627.	3.32
1137.	15.82	2628.	3.296
1138.	15.81	2629.	3.33
1139.	15.83	2630.	3.309
1140.	15.84	2631.	3.293
1141.	15.84	2632.	3.318
1142.	15.83	2633.	3.304
1143.	15.83	2634.	3.312
1144.	15.85	2635.	3.304
1145.	15.83	2636.	3.294
1146.	15.85	2637.	3.283
1147.	15.85	2638.	3.265
1148.	15.84	2639.	3.304
1149.	15.86	2640.	3.262
1150.	15.81	2641.	3.282
1151.	15.85	2642.	3.268
1152.	15.86	2643.	3.299
1153.	15.86	2644.	3.28
1154.	15.87	2645.	3.277

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	15.87	2646.	3.282
1156.	15.89	2647.	3.262
1157.	15.87	2648.	3.278
1158.	15.9	2649.	3.266
1159.	15.89	2650.	3.237
1160.	15.9	2651.	3.25
1161.	15.87	2652.	3.232
1162.	15.91	2653.	3.273
1163.	15.89	2654.	3.249
1164.	15.92	2655.	3.273
1165.	15.88	2656.	3.206
1166.	15.9	2657.	3.251
1167.	15.93	2658.	3.25
1168.	15.93	2659.	3.234
1169.	15.91	2660.	3.231
1170.	15.93	2661.	3.246
1171.	15.94	2662.	3.256
1172.	15.93	2663.	3.239
1173.	15.96	2664.	3.211
1174.	15.94	2665.	3.227
1175.	15.94	2666.	3.21
1176.	15.95	2667.	3.229
1177.	15.94	2668.	3.231
1178.	15.97	2669.	3.241
1179.	15.94	2670.	3.221
1180.	15.94	2671.	3.21
1181.	15.92	2672.	3.22
1182.	15.91	2673.	3.18
1183.	15.87	2674.	3.218
1184.	15.84	2675.	3.208
1185.	15.83	2676.	3.211
1186.	15.78	2677.	3.188
1187.	15.76	2678.	3.204
1188.	15.73	2679.	3.247
1189.	15.72	2680.	3.237
1190.	15.71	2681.	3.185
1191.	15.68	2682.	3.191
1192.	15.67	2683.	3.166
1193.	15.66	2684.	3.208
1194.	15.63	2685.	3.22
1195.	15.6	2686.	3.197
1196.	15.56	2687.	3.197
1197.	15.54	2688.	3.163
1198.	15.53	2689.	3.182
1199.	15.52	2690.	3.18
1200.	15.5	2691.	3.169
1201.	15.45	2692.	3.152
1202.	15.44	2693.	3.193
1203.	15.44	2694.	3.186
1204.	15.43	2695.	3.189
1205.	15.39	2696.	3.174
1206.	15.38	2697.	3.157
1207.	15.37	2698.	3.151
1208.	15.35	2699.	3.151
1209.	15.33	2700.	3.172
1210.	15.32	2701.	3.196
1211.	15.3	2702.	3.167
1212.	15.3	2703.	3.14
1213.	15.3	2704.	3.161
1214.	15.26	2705.	3.143
1215.	15.27	2706.	3.149
1216.	15.24	2707.	3.135
1217.	15.23	2708.	3.136
1218.	15.22	2709.	3.14
1219.	15.16	2710.	3.147
1220.	15.21	2711.	3.149

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	15.16	2712.	3.121
1222.	15.18	2713.	3.131
1223.	15.15	2714.	3.138
1224.	15.17	2715.	3.116
1225.	15.15	2716.	3.14
1226.	15.12	2717.	3.121
1227.	15.15	2718.	3.094
1228.	15.17	2719.	3.11
1229.	15.17	2720.	3.128
1230.	15.21	2721.	3.118
1231.	15.18	2722.	3.114
1232.	15.23	2723.	3.11
1233.	15.26	2724.	3.118
1234.	15.23	2725.	3.105
1235.	15.26	2726.	3.108
1236.	15.28	2727.	3.12
1237.	15.32	2728.	3.104
1238.	15.31	2729.	3.11
1239.	15.31	2730.	3.12
1240.	15.32	2731.	3.117
1241.	15.37	2732.	3.092
1242.	15.36	2733.	3.111
1243.	15.39	2734.	3.11
1244.	15.4	2735.	3.09
1245.	15.42	2736.	3.097
1246.	15.43	2737.	3.109
1247.	15.43	2738.	3.111
1248.	15.46	2739.	3.075
1249.	15.47	2740.	3.058
1250.	15.46	2741.	3.073
1251.	15.5	2742.	3.101
1252.	15.52	2743.	3.088
1253.	15.51	2744.	3.056
1254.	15.55	2745.	3.075
1255.	15.55	2746.	3.091
1256.	15.52	2747.	3.063
1257.	15.59	2748.	3.059
1258.	15.57	2749.	3.048
1259.	15.58	2750.	3.063
1260.	15.57	2751.	3.055
1261.	15.59	2752.	3.063
1262.	15.64	2753.	3.067
1263.	15.64	2754.	3.041
1264.	15.66	2755.	3.063
1265.	15.63	2756.	3.063
1266.	15.7	2757.	3.042
1267.	15.69	2758.	3.037
1268.	15.65	2759.	3.026
1269.	15.68	2760.	3.048
1270.	15.69	2761.	3.095
1271.	15.71	2762.	3.059
1272.	15.73	2763.	3.055
1273.	15.72	2764.	3.008
1274.	15.75	2765.	3.037
1275.	15.76	2766.	3.035
1276.	15.76	2767.	3.048
1277.	15.75	2768.	3.022
1278.	15.77	2769.	3.036
1279.	15.78	2770.	3.012
1280.	15.77	2771.	3.021
1281.	15.78	2772.	3.032
1282.	15.77	2773.	3.017
1283.	15.82	2774.	3.027
1284.	15.82	2775.	3.005
1285.	15.8	2776.	2.997
1286.	15.84	2777.	3.021

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	15.83	2778.	2.994
1288.	15.85	2779.	3.02
1289.	15.85	2780.	2.987
1290.	15.88	2781.	2.97
1291.	15.85	2782.	2.97
1292.	15.89	2783.	2.998
1293.	15.87	2784.	2.986
1294.	15.9	2785.	2.96
1295.	15.88	2786.	3.01
1296.	15.86	2787.	2.987
1297.	15.94	2788.	2.977
1298.	15.91	2789.	2.991
1299.	15.92	2790.	2.988
1300.	15.91	2791.	2.988
1301.	15.91	2792.	2.984
1302.	15.91	2793.	2.988
1303.	15.95	2794.	2.981
1304.	15.93	2795.	2.979
1305.	15.94	2796.	2.969
1306.	15.94	2797.	2.979
1307.	15.95	2798.	2.958
1308.	15.95	2799.	2.992
1309.	15.98	2800.	2.971
1310.	15.97	2801.	2.972
1311.	15.96	2802.	2.944
1312.	15.99	2803.	2.974
1313.	16.01	2804.	2.965
1314.	15.99	2805.	2.946
1315.	15.99	2806.	2.957
1316.	16.01	2807.	2.957
1317.	16.02	2808.	2.946
1318.	16.	2809.	2.944
1319.	16.	2810.	2.947
1320.	16.03	2811.	2.953
1321.	16.04	2812.	2.97
1322.	16.04	2813.	2.944
1323.	16.03	2814.	2.941
1324.	16.03	2815.	2.971
1325.	16.09	2816.	2.949
1326.	16.06	2817.	2.942
1327.	16.06	2818.	2.975
1328.	16.09	2819.	2.947
1329.	16.07	2820.	2.94
1330.	16.05	2821.	2.938
1331.	16.04	2822.	2.938
1332.	16.11	2823.	2.963
1333.	16.11	2824.	2.933
1334.	16.1	2825.	2.955
1335.	16.14	2826.	2.94
1336.	16.11	2827.	2.941
1337.	16.08	2828.	2.939
1338.	16.12	2829.	2.949
1339.	16.12	2830.	2.941
1340.	16.12	2831.	2.931
1341.	16.14	2832.	2.94
1342.	16.15	2833.	2.939
1343.	16.13	2834.	2.948
1344.	16.13	2835.	2.903
1345.	16.16	2836.	2.941
1346.	16.15	2837.	2.922
1347.	16.17	2838.	2.926
1348.	16.19	2839.	2.921
1349.	16.19	2840.	2.906
1350.	16.2	2841.	2.948
1351.	16.2	2842.	2.93
1352.	16.17	2843.	2.917

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	16.19	2844.	2.894
1354.	16.21	2845.	2.892
1355.	16.21	2846.	2.923
1356.	16.21	2847.	2.892
1357.	16.22	2848.	2.899
1358.	16.22	2849.	2.892
1359.	16.25	2850.	2.897
1360.	16.25	2851.	2.901
1361.	16.24	2852.	2.879
1362.	16.23	2853.	2.899
1363.	16.23	2854.	2.903
1364.	16.24	2855.	2.912
1365.	16.24	2856.	2.9
1366.	16.28	2857.	2.847
1367.	16.27	2858.	2.891
1368.	16.26	2859.	2.892
1369.	16.3	2860.	2.916
1370.	16.27	2861.	2.876
1371.	16.3	2862.	2.853
1372.	16.3	2863.	2.862
1373.	16.33	2864.	2.877
1374.	16.29	2865.	2.873
1375.	16.32	2866.	2.869
1376.	16.32	2867.	2.86
1377.	16.33	2868.	2.856
1378.	16.35	2869.	2.86
1379.	16.32	2870.	2.861
1380.	16.32	2871.	2.824
1381.	16.32	2872.	2.871
1382.	16.32	2873.	2.866
1383.	16.37	2874.	2.842
1384.	16.34	2875.	2.891
1385.	16.37	2876.	2.851
1386.	16.36	2877.	2.848
1387.	16.35	2878.	2.867
1388.	16.4	2879.	2.833
1389.	16.32	2880.	2.833
1390.	16.35	2881.	2.844
1391.	16.36	2882.	2.88
1392.	16.38	2883.	2.87
1393.	16.39	2884.	2.847
1394.	16.39	2885.	2.835
1395.	16.38	2886.	2.849
1396.	16.37	2887.	2.845
1397.	16.41	2888.	2.829
1398.	16.39	2889.	2.821
1399.	16.4	2890.	2.841
1400.	16.43	2891.	2.841
1401.	16.37	2892.	2.825
1402.	16.44	2893.	2.816
1403.	16.43	2894.	2.834
1404.	16.43	2895.	2.819
1405.	16.43	2896.	2.835
1406.	16.41	2897.	2.829
1407.	16.44	2898.	2.817
1408.	16.46	2899.	2.799
1409.	16.45	2900.	2.813
1410.	16.46	2901.	2.797
1411.	16.45	2902.	2.818
1412.	16.43	2903.	2.803
1413.	16.47	2904.	2.829
1414.	16.45	2905.	2.813
1415.	16.47	2906.	2.822
1416.	16.45	2907.	2.809
1417.	16.48	2908.	2.815
1418.	16.45	2909.	2.804

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	16.48	2910.	2.814
1420.	16.5	2911.	2.799
1421.	16.47	2912.	2.799
1422.	16.52	2913.	2.786
1423.	16.52	2914.	2.785
1424.	16.5	2915.	2.784
1425.	16.49	2916.	2.779
1426.	16.52	2917.	2.752
1427.	16.53	2918.	2.803
1428.	16.51	2919.	2.791
1429.	16.52	2920.	2.8
1430.	16.56	2921.	2.784
1431.	16.52	2922.	2.779
1432.	16.54	2923.	2.788
1433.	16.54	2924.	2.774
1434.	16.53	2925.	2.786
1435.	16.52	2926.	2.814
1436.	16.54	2927.	2.77
1437.	16.54	2928.	2.786
1438.	16.58	2929.	2.766
1439.	16.53	2930.	2.785
1440.	16.59	2931.	2.751
1441.	16.55	2932.	2.772
1442.	16.55	2933.	2.791
1443.	16.52	2934.	2.811
1444.	16.46	2935.	2.773
1445.	16.4	2936.	2.78
1446.	16.37	2937.	2.762
1447.	16.32	2938.	2.785
1448.	16.23	2939.	2.773
1449.	16.18	2940.	2.773
1450.	16.14	2941.	2.774
1451.	16.04	2942.	2.755
1452.	16.	2943.	2.778
1453.	15.89	2944.	2.737
1454.	15.84	2945.	2.772
1455.	15.76	2946.	2.761
1456.	15.68	2947.	2.751
1457.	15.67	2948.	2.757
1458.	15.54	2949.	2.745
1459.	15.45	2950.	2.732
1460.	15.39	2951.	2.755
1461.	15.31	2952.	2.74
1462.	15.28	2953.	2.731
1463.	15.2	2954.	2.748
1464.	15.14	2955.	2.748
1465.	15.06	2956.	2.754
1466.	15.	2957.	2.732
1467.	14.92	2958.	2.749
1468.	14.89	2959.	2.727
1469.	14.8	2960.	2.76
1470.	14.73	2961.	2.75
1471.	14.66	2962.	2.718
1472.	14.61	2963.	2.713
1473.	14.54	2964.	2.739
1474.	14.49	2965.	2.756
1475.	14.41	2966.	2.695
1476.	14.34	2967.	2.718
1477.	14.3	2968.	2.697
1478.	14.28	2969.	2.728
1479.	14.18	2970.	2.733
1480.	14.12	2971.	2.736
1481.	14.05	2972.	2.707
1482.	14.03	2973.	2.724
1483.	13.92	2974.	2.717
1484.	13.85	2975.	2.725

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	13.81	2976.	2.704
1486.	13.79	2977.	2.704
1487.	13.73	2978.	2.737
1488.	13.67	2979.	2.727
1489.	13.59	2980.	2.717
1490.	13.56	2981.	2.694
1491.	13.51		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1269.1	ft^2/day
S	6.42E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.86 ft/day (0.005596 cm/sec)
Ss = S/b = 8.025E-7 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1305.4	1.845	+/- 3.617	707.7	ft^2/day
S	8.244E-5	3.01E-7	+/- 5.903E-7	273.9	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.32 ft/day (0.005756 cm/sec)
Ss = S/b = 1.03E-6 1/ft

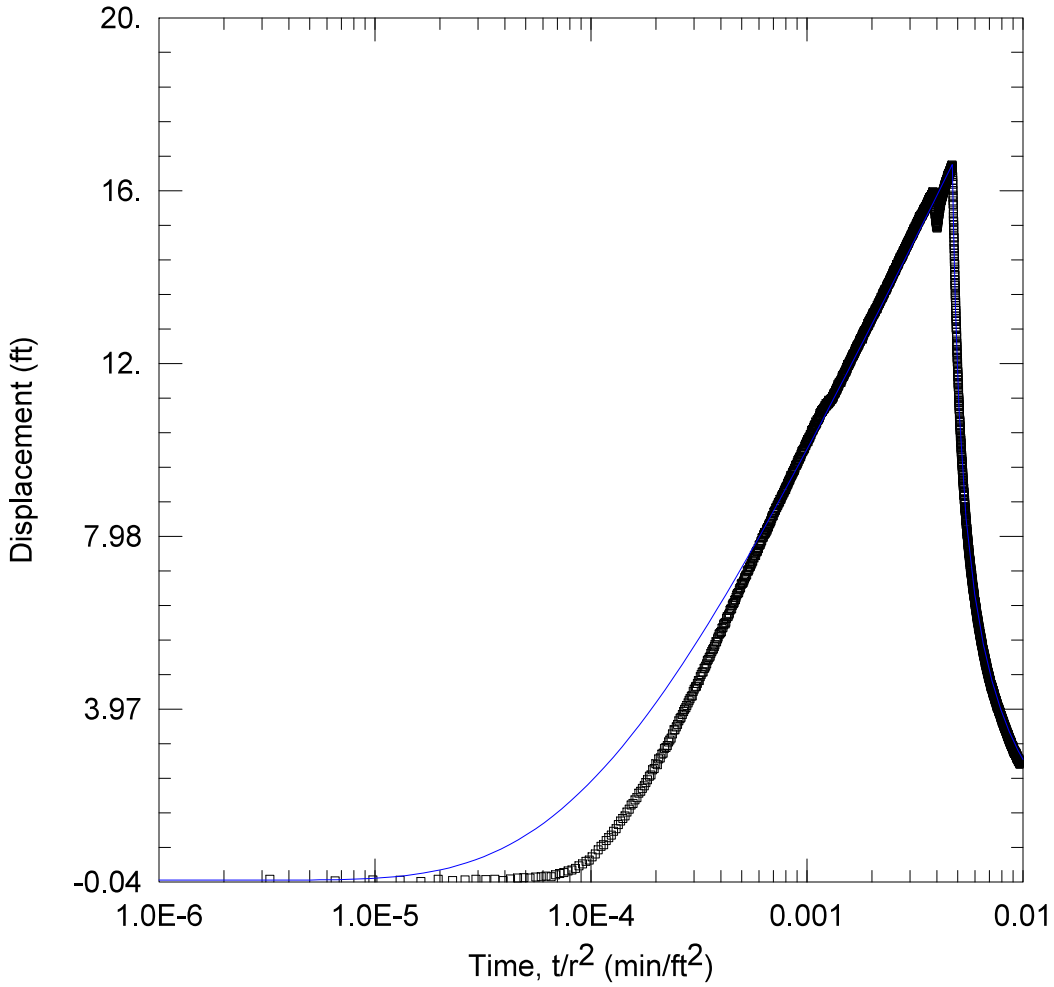
Parameter Correlations

	T	S
T	1.00	-0.84
S	-0.84	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 287.7 ft^2
Variance . . . . . 0.09657 ft^2
Std. Deviation . . . . . 0.3108 ft
Mean . . . . . -0.08152 ft
No. of Residuals 2981
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW12A.aqt
Date: 04/11/25 Time: 12:04:50

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW12A	859	353

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1299.9 ft^2/day
S = 0.0001
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:18:56

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW12A

X Location: 859. ft
Y Location: 353. ft

Radial distance from BM 1B: 553.0009042 ft
Radial distance from BM2A: 857.5919776 ft
Radial distance from BM3: 418.04306 ft
Radial distance from BM 4 : 475.3041132 ft
Radial distance from BM5: 754.2393519 ft
Radial distance from BM 6: 960.9255955 ft
Radial distance from BM7: 1130.529964 ft
Radial distance from BM9: 1646.587076 ft

Fully Penetrating Well

No. of Observations: 2981

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.02053	1492.	13.45
2.	-0.01839	1493.	13.4
3.	0.00474	1494.	13.33
4.	-0.006164	1495.	13.27
5.	-0.03326	1496.	13.22
6.	0.02053	1497.	13.22
7.	-0.01115	1498.	13.15
8.	0.0036	1499.	13.08
9.	0.01907	1500.	13.02
10.	0.01064	1501.	12.99
11.	0.02143	1502.	12.96
12.	-0.01363	1503.	12.89
13.	0.02944	1504.	12.81
14.	0.04927	1505.	12.81
15.	0.05567	1506.	12.77
16.	0.0483	1507.	12.71
17.	0.07272	1508.	12.65
18.	0.07955	1509.	12.61
19.	0.09497	1510.	12.59
20.	0.07833	1511.	12.49
21.	0.1252	1512.	12.45
22.	0.1563	1513.	12.41
23.	0.1775	1514.	12.37
24.	0.2105	1515.	12.31
25.	0.2325	1516.	12.28
26.	0.2721	1517.	12.24
27.	0.3291	1518.	12.21
28.	0.3745	1519.	12.14
29.	0.4345	1520.	12.11
30.	0.4619	1521.	12.1
31.	0.5357	1522.	12.02
32.	0.6036	1523.	12.02

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.7036	1524.	11.97
34.	0.7807	1525.	11.91
35.	0.8193	1526.	11.89
36.	0.9189	1527.	11.86
37.	0.9821	1528.	11.8
38.	1.04	1529.	11.77
39.	1.13	1530.	11.72
40.	1.198	1531.	11.68
41.	1.293	1532.	11.67
42.	1.378	1533.	11.59
43.	1.432	1534.	11.55
44.	1.496	1535.	11.51
45.	1.585	1536.	11.5
46.	1.646	1537.	11.44
47.	1.746	1538.	11.41
48.	1.78	1539.	11.42
49.	1.865	1540.	11.37
50.	1.916	1541.	11.32
51.	2.019	1542.	11.28
52.	2.061	1543.	11.24
53.	2.132	1544.	11.2
54.	2.191	1545.	11.16
55.	2.266	1546.	11.12
56.	2.328	1547.	11.12
57.	2.411	1548.	11.08
58.	2.443	1549.	11.04
59.	2.561	1550.	11.
60.	2.588	1551.	10.99
61.	2.703	1552.	10.94
62.	2.679	1553.	10.91
63.	2.811	1554.	10.88
64.	2.837	1555.	10.81
65.	2.926	1556.	10.84
66.	2.95	1557.	10.81
67.	3.06	1558.	10.76
68.	3.078	1559.	10.74
69.	3.129	1560.	10.67
70.	3.208	1561.	10.65
71.	3.249	1562.	10.63
72.	3.292	1563.	10.62
73.	3.39	1564.	10.56
74.	3.482	1565.	10.54
75.	3.484	1566.	10.52
76.	3.552	1567.	10.49
77.	3.613	1568.	10.44
78.	3.691	1569.	10.44
79.	3.745	1570.	10.39
80.	3.778	1571.	10.37
81.	3.839	1572.	10.36
82.	3.906	1573.	10.3
83.	3.963	1574.	10.28
84.	3.997	1575.	10.27
85.	4.046	1576.	10.24
86.	4.11	1577.	10.21
87.	4.16	1578.	10.2
88.	4.205	1579.	10.15
89.	4.267	1580.	10.14
90.	4.271	1581.	10.14
91.	4.378	1582.	10.1
92.	4.429	1583.	10.04
93.	4.486	1584.	10.04
94.	4.502	1585.	10.
95.	4.565	1586.	9.979
96.	4.635	1587.	9.933
97.	4.635	1588.	9.935
98.	4.724	1589.	9.916

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	4.775	1590.	9.895
100.	4.828	1591.	9.872
101.	4.833	1592.	9.855
102.	4.914	1593.	9.817
103.	4.919	1594.	9.796
104.	4.964	1595.	9.758
105.	5.017	1596.	9.747
106.	5.092	1597.	9.714
107.	5.119	1598.	9.71
108.	5.162	1599.	9.672
109.	5.19	1600.	9.676
110.	5.253	1601.	9.635
111.	5.295	1602.	9.599
112.	5.338	1603.	9.591
113.	5.364	1604.	9.587
114.	5.415	1605.	9.525
115.	5.456	1606.	9.495
116.	5.525	1607.	9.502
117.	5.523	1608.	9.465
118.	5.596	1609.	9.445
119.	5.638	1610.	9.425
120.	5.705	1611.	9.377
121.	5.711	1612.	9.387
122.	5.744	1613.	9.317
123.	5.766	1614.	9.349
124.	5.835	1615.	9.311
125.	5.862	1616.	9.279
126.	5.918	1617.	9.266
127.	5.958	1618.	9.241
128.	5.942	1619.	9.211
129.	5.986	1620.	9.209
130.	6.071	1621.	9.186
131.	6.106	1622.	9.161
132.	6.116	1623.	9.129
133.	6.155	1624.	9.144
134.	6.189	1625.	9.096
135.	6.257	1626.	9.087
136.	6.291	1627.	9.095
137.	6.295	1628.	9.01
138.	6.369	1629.	9.027
139.	6.403	1630.	9.01
140.	6.418	1631.	8.989
141.	6.446	1632.	8.977
142.	6.494	1633.	8.94
143.	6.507	1634.	8.927
144.	6.562	1635.	8.929
145.	6.616	1636.	8.92
146.	6.648	1637.	8.913
147.	6.658	1638.	8.846
148.	6.676	1639.	8.814
149.	6.731	1640.	8.815
150.	6.773	1641.	8.82
151.	6.785	1642.	8.81
152.	6.861	1643.	8.764
153.	6.88	1644.	8.744
154.	6.891	1645.	8.761
155.	6.901	1646.	8.717
156.	6.938	1647.	8.709
157.	6.987	1648.	8.654
158.	7.017	1649.	8.66
159.	7.034	1650.	8.633
160.	7.076	1651.	8.625
161.	7.081	1652.	8.614
162.	7.169	1653.	8.594
163.	7.176	1654.	8.561
164.	7.167	1655.	8.59

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.21	1656.	8.555
166.	7.257	1657.	8.547
167.	7.274	1658.	8.523
168.	7.293	1659.	8.474
169.	7.329	1660.	8.504
170.	7.355	1661.	8.463
171.	7.406	1662.	8.442
172.	7.398	1663.	8.44
173.	7.475	1664.	8.436
174.	7.473	1665.	8.403
175.	7.527	1666.	8.395
176.	7.536	1667.	8.362
177.	7.53	1668.	8.336
178.	7.587	1669.	8.34
179.	7.627	1670.	8.343
180.	7.617	1671.	8.31
181.	7.652	1672.	8.298
182.	7.696	1673.	8.26
183.	7.694	1674.	8.244
184.	7.763	1675.	8.253
185.	7.776	1676.	8.212
186.	7.78	1677.	8.211
187.	7.827	1678.	8.191
188.	7.86	1679.	8.195
189.	7.872	1680.	8.172
190.	7.938	1681.	8.148
191.	7.947	1682.	8.165
192.	7.961	1683.	8.146
193.	8.006	1684.	8.093
194.	8.017	1685.	8.097
195.	8.059	1686.	8.084
196.	8.044	1687.	8.074
197.	8.062	1688.	8.064
198.	8.086	1689.	8.027
199.	8.139	1690.	8.033
200.	8.118	1691.	8.017
201.	8.162	1692.	7.996
202.	8.183	1693.	7.991
203.	8.194	1694.	7.979
204.	8.24	1695.	7.962
205.	8.274	1696.	7.945
206.	8.269	1697.	7.937
207.	8.307	1698.	7.926
208.	8.318	1699.	7.903
209.	8.347	1700.	7.873
210.	8.385	1701.	7.874
211.	8.424	1702.	7.871
212.	8.449	1703.	7.841
213.	8.46	1704.	7.815
214.	8.457	1705.	7.819
215.	8.533	1706.	7.783
216.	8.52	1707.	7.823
217.	8.558	1708.	7.776
218.	8.583	1709.	7.746
219.	8.583	1710.	7.763
220.	8.63	1711.	7.784
221.	8.64	1712.	7.716
222.	8.645	1713.	7.722
223.	8.682	1714.	7.709
224.	8.688	1715.	7.681
225.	8.722	1716.	7.683
226.	8.757	1717.	7.682
227.	8.754	1718.	7.658
228.	8.783	1719.	7.628
229.	8.779	1720.	7.612
230.	8.83	1721.	7.586

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	8.828	1722.	7.59
232.	8.842	1723.	7.582
233.	8.867	1724.	7.578
234.	8.907	1725.	7.573
235.	8.919	1726.	7.557
236.	8.943	1727.	7.533
237.	8.944	1728.	7.56
238.	8.982	1729.	7.517
239.	8.987	1730.	7.489
240.	9.007	1731.	7.502
241.	9.051	1732.	7.459
242.	9.042	1733.	7.434
243.	9.089	1734.	7.46
244.	9.066	1735.	7.421
245.	9.113	1736.	7.419
246.	9.121	1737.	7.408
247.	9.139	1738.	7.425
248.	9.165	1739.	7.376
249.	9.205	1740.	7.398
250.	9.188	1741.	7.365
251.	9.224	1742.	7.38
252.	9.253	1743.	7.318
253.	9.257	1744.	7.365
254.	9.28	1745.	7.324
255.	9.295	1746.	7.334
256.	9.328	1747.	7.317
257.	9.348	1748.	7.292
258.	9.381	1749.	7.272
259.	9.364	1750.	7.25
260.	9.393	1751.	7.258
261.	9.408	1752.	7.251
262.	9.45	1753.	7.226
263.	9.44	1754.	7.232
264.	9.464	1755.	7.223
265.	9.48	1756.	7.213
266.	9.497	1757.	7.2
267.	9.507	1758.	7.173
268.	9.505	1759.	7.134
269.	9.547	1760.	7.17
270.	9.557	1761.	7.171
271.	9.615	1762.	7.135
272.	9.615	1763.	7.129
273.	9.641	1764.	7.11
274.	9.624	1765.	7.094
275.	9.643	1766.	7.11
276.	9.69	1767.	7.114
277.	9.675	1768.	7.077
278.	9.731	1769.	7.084
279.	9.704	1770.	7.089
280.	9.747	1771.	7.077
281.	9.765	1772.	7.043
282.	9.758	1773.	7.018
283.	9.773	1774.	7.018
284.	9.815	1775.	7.01
285.	9.815	1776.	6.991
286.	9.834	1777.	6.974
287.	9.829	1778.	6.991
288.	9.875	1779.	6.977
289.	9.895	1780.	6.953
290.	9.909	1781.	6.945
291.	9.943	1782.	6.925
292.	9.939	1783.	6.932
293.	9.96	1784.	6.91
294.	9.953	1785.	6.923
295.	9.987	1786.	6.87
296.	9.988	1787.	6.891

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	9.996	1788.	6.846
298.	10.02	1789.	6.863
299.	10.02	1790.	6.866
300.	10.07	1791.	6.813
301.	10.08	1792.	6.834
302.	10.1	1793.	6.845
303.	10.09	1794.	6.806
304.	10.13	1795.	6.8
305.	10.16	1796.	6.797
306.	10.15	1797.	6.772
307.	10.18	1798.	6.755
308.	10.2	1799.	6.789
309.	10.22	1800.	6.799
310.	10.18	1801.	6.765
311.	10.23	1802.	6.741
312.	10.23	1803.	6.734
313.	10.27	1804.	6.726
314.	10.26	1805.	6.713
315.	10.27	1806.	6.71
316.	10.29	1807.	6.717
317.	10.34	1808.	6.683
318.	10.33	1809.	6.709
319.	10.33	1810.	6.664
320.	10.34	1811.	6.636
321.	10.39	1812.	6.672
322.	10.42	1813.	6.645
323.	10.4	1814.	6.64
324.	10.44	1815.	6.627
325.	10.45	1816.	6.624
326.	10.43	1817.	6.603
327.	10.45	1818.	6.62
328.	10.48	1819.	6.596
329.	10.51	1820.	6.563
330.	10.5	1821.	6.583
331.	10.54	1822.	6.603
332.	10.52	1823.	6.573
333.	10.56	1824.	6.543
334.	10.55	1825.	6.539
335.	10.57	1826.	6.515
336.	10.57	1827.	6.541
337.	10.63	1828.	6.527
338.	10.58	1829.	6.469
339.	10.61	1830.	6.498
340.	10.61	1831.	6.468
341.	10.66	1832.	6.455
342.	10.68	1833.	6.466
343.	10.67	1834.	6.452
344.	10.69	1835.	6.462
345.	10.69	1836.	6.442
346.	10.69	1837.	6.431
347.	10.72	1838.	6.436
348.	10.72	1839.	6.428
349.	10.72	1840.	6.396
350.	10.77	1841.	6.414
351.	10.79	1842.	6.377
352.	10.82	1843.	6.383
353.	10.78	1844.	6.377
354.	10.84	1845.	6.372
355.	10.84	1846.	6.362
356.	10.84	1847.	6.338
357.	10.86	1848.	6.349
358.	10.88	1849.	6.345
359.	10.9	1850.	6.315
360.	10.89	1851.	6.31
361.	10.87	1852.	6.341
362.	10.89	1853.	6.319

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	10.92	1854.	6.304
364.	10.91	1855.	6.317
365.	10.95	1856.	6.3
366.	10.93	1857.	6.268
367.	10.93	1858.	6.274
368.	10.94	1859.	6.243
369.	10.96	1860.	6.242
370.	10.95	1861.	6.273
371.	10.99	1862.	6.248
372.	11.	1863.	6.233
373.	11.	1864.	6.225
374.	11.01	1865.	6.225
375.	11.05	1866.	6.192
376.	11.01	1867.	6.213
377.	11.	1868.	6.206
378.	11.03	1869.	6.169
379.	11.02	1870.	6.148
380.	11.03	1871.	6.19
381.	11.06	1872.	6.142
382.	11.07	1873.	6.151
383.	11.09	1874.	6.132
384.	11.09	1875.	6.123
385.	11.05	1876.	6.13
386.	11.11	1877.	6.123
387.	11.13	1878.	6.115
388.	11.11	1879.	6.099
389.	11.09	1880.	6.098
390.	11.09	1881.	6.086
391.	11.09	1882.	6.068
392.	11.1	1883.	6.059
393.	11.13	1884.	6.062
394.	11.14	1885.	6.054
395.	11.15	1886.	6.046
396.	11.17	1887.	6.035
397.	11.17	1888.	6.054
398.	11.16	1889.	6.038
399.	11.14	1890.	6.036
400.	11.17	1891.	6.032
401.	11.17	1892.	6.012
402.	11.21	1893.	5.995
403.	11.23	1894.	5.999
404.	11.21	1895.	5.978
405.	11.2	1896.	5.991
406.	11.24	1897.	5.984
407.	11.26	1898.	5.956
408.	11.27	1899.	5.971
409.	11.28	1900.	5.983
410.	11.29	1901.	5.943
411.	11.3	1902.	5.957
412.	11.28	1903.	5.939
413.	11.3	1904.	5.925
414.	11.31	1905.	5.878
415.	11.34	1906.	5.925
416.	11.37	1907.	5.915
417.	11.36	1908.	5.899
418.	11.36	1909.	5.901
419.	11.37	1910.	5.883
420.	11.41	1911.	5.87
421.	11.38	1912.	5.854
422.	11.41	1913.	5.847
423.	11.4	1914.	5.848
424.	11.43	1915.	5.869
425.	11.45	1916.	5.828
426.	11.49	1917.	5.827
427.	11.45	1918.	5.829
428.	11.47	1919.	5.838

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	11.48	1920.	5.814
430.	11.49	1921.	5.819
431.	11.53	1922.	5.786
432.	11.53	1923.	5.795
433.	11.53	1924.	5.803
434.	11.54	1925.	5.781
435.	11.54	1926.	5.819
436.	11.56	1927.	5.789
437.	11.57	1928.	5.789
438.	11.55	1929.	5.762
439.	11.58	1930.	5.777
440.	11.55	1931.	5.736
441.	11.58	1932.	5.726
442.	11.62	1933.	5.721
443.	11.61	1934.	5.707
444.	11.61	1935.	5.694
445.	11.66	1936.	5.702
446.	11.65	1937.	5.718
447.	11.7	1938.	5.682
448.	11.68	1939.	5.708
449.	11.69	1940.	5.71
450.	11.67	1941.	5.694
451.	11.7	1942.	5.677
452.	11.69	1943.	5.648
453.	11.73	1944.	5.69
454.	11.71	1945.	5.651
455.	11.74	1946.	5.665
456.	11.75	1947.	5.643
457.	11.74	1948.	5.612
458.	11.77	1949.	5.606
459.	11.78	1950.	5.597
460.	11.8	1951.	5.639
461.	11.8	1952.	5.657
462.	11.78	1953.	5.616
463.	11.8	1954.	5.627
464.	11.83	1955.	5.579
465.	11.82	1956.	5.564
466.	11.86	1957.	5.578
467.	11.84	1958.	5.569
468.	11.86	1959.	5.572
469.	11.9	1960.	5.518
470.	11.87	1961.	5.594
471.	11.92	1962.	5.539
472.	11.91	1963.	5.559
473.	11.95	1964.	5.545
474.	11.95	1965.	5.533
475.	11.95	1966.	5.521
476.	11.94	1967.	5.549
477.	11.93	1968.	5.517
478.	11.95	1969.	5.48
479.	11.99	1970.	5.483
480.	11.97	1971.	5.509
481.	11.97	1972.	5.49
482.	12.01	1973.	5.505
483.	12.	1974.	5.485
484.	12.03	1975.	5.507
485.	12.01	1976.	5.458
486.	12.06	1977.	5.466
487.	12.05	1978.	5.469
488.	12.04	1979.	5.434
489.	12.08	1980.	5.445
490.	12.06	1981.	5.469
491.	12.09	1982.	5.454
492.	12.09	1983.	5.431
493.	12.13	1984.	5.457
494.	12.12	1985.	5.399

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	12.12	1986.	5.433
496.	12.15	1987.	5.421
497.	12.14	1988.	5.393
498.	12.16	1989.	5.397
499.	12.18	1990.	5.38
500.	12.16	1991.	5.373
501.	12.16	1992.	5.352
502.	12.2	1993.	5.347
503.	12.18	1994.	5.331
504.	12.19	1995.	5.332
505.	12.21	1996.	5.355
506.	12.22	1997.	5.355
507.	12.22	1998.	5.345
508.	12.23	1999.	5.365
509.	12.25	2000.	5.324
510.	12.24	2001.	5.316
511.	12.29	2002.	5.339
512.	12.26	2003.	5.309
513.	12.28	2004.	5.304
514.	12.29	2005.	5.292
515.	12.31	2006.	5.272
516.	12.32	2007.	5.295
517.	12.31	2008.	5.263
518.	12.32	2009.	5.28
519.	12.32	2010.	5.258
520.	12.36	2011.	5.278
521.	12.35	2012.	5.309
522.	12.39	2013.	5.259
523.	12.39	2014.	5.278
524.	12.4	2015.	5.256
525.	12.36	2016.	5.217
526.	12.37	2017.	5.229
527.	12.42	2018.	5.23
528.	12.4	2019.	5.261
529.	12.41	2020.	5.207
530.	12.43	2021.	5.206
531.	12.42	2022.	5.243
532.	12.42	2023.	5.224
533.	12.46	2024.	5.191
534.	12.45	2025.	5.216
535.	12.46	2026.	5.193
536.	12.49	2027.	5.183
537.	12.49	2028.	5.181
538.	12.52	2029.	5.16
539.	12.52	2030.	5.188
540.	12.51	2031.	5.158
541.	12.5	2032.	5.155
542.	12.52	2033.	5.154
543.	12.56	2034.	5.16
544.	12.54	2035.	5.177
545.	12.56	2036.	5.158
546.	12.56	2037.	5.158
547.	12.56	2038.	5.111
548.	12.58	2039.	5.14
549.	12.59	2040.	5.142
550.	12.59	2041.	5.122
551.	12.61	2042.	5.121
552.	12.63	2043.	5.117
553.	12.55	2044.	5.1
554.	12.62	2045.	5.136
555.	12.6	2046.	5.092
556.	12.66	2047.	5.045
557.	12.66	2048.	5.095
558.	12.68	2049.	5.061
559.	12.64	2050.	5.058
560.	12.68	2051.	5.079

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	12.7	2052.	5.077
562.	12.66	2053.	5.086
563.	12.72	2054.	5.059
564.	12.71	2055.	5.026
565.	12.72	2056.	5.044
566.	12.74	2057.	5.054
567.	12.7	2058.	4.993
568.	12.73	2059.	5.014
569.	12.74	2060.	5.047
570.	12.75	2061.	5.002
571.	12.77	2062.	5.04
572.	12.76	2063.	5.002
573.	12.77	2064.	5.001
574.	12.78	2065.	4.986
575.	12.79	2066.	5.047
576.	12.79	2067.	5.014
577.	12.8	2068.	5.013
578.	12.82	2069.	4.972
579.	12.82	2070.	4.966
580.	12.84	2071.	4.964
581.	12.83	2072.	4.974
582.	12.84	2073.	4.961
583.	12.85	2074.	4.938
584.	12.85	2075.	4.93
585.	12.85	2076.	4.963
586.	12.91	2077.	4.946
587.	12.9	2078.	4.974
588.	12.91	2079.	4.926
589.	12.92	2080.	4.936
590.	12.89	2081.	4.921
591.	12.87	2082.	4.93
592.	12.92	2083.	4.923
593.	12.95	2084.	4.926
594.	12.93	2085.	4.92
595.	12.95	2086.	4.879
596.	12.97	2087.	4.881
597.	12.96	2088.	4.882
598.	12.96	2089.	4.887
599.	12.92	2090.	4.898
600.	12.97	2091.	4.898
601.	13.02	2092.	4.901
602.	12.97	2093.	4.845
603.	13.01	2094.	4.841
604.	13.01	2095.	4.883
605.	13.01	2096.	4.841
606.	13.03	2097.	4.877
607.	13.04	2098.	4.85
608.	13.01	2099.	4.84
609.	13.02	2100.	4.825
610.	13.03	2101.	4.845
611.	13.05	2102.	4.83
612.	13.06	2103.	4.797
613.	13.08	2104.	4.823
614.	13.09	2105.	4.811
615.	13.07	2106.	4.811
616.	13.07	2107.	4.784
617.	13.11	2108.	4.793
618.	13.12	2109.	4.792
619.	13.15	2110.	4.802
620.	13.13	2111.	4.812
621.	13.11	2112.	4.777
622.	13.13	2113.	4.777
623.	13.15	2114.	4.804
624.	13.11	2115.	4.76
625.	13.16	2116.	4.774
626.	13.16	2117.	4.77

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	13.15	2118.	4.798
628.	13.16	2119.	4.727
629.	13.16	2120.	4.755
630.	13.15	2121.	4.76
631.	13.19	2122.	4.737
632.	13.19	2123.	4.742
633.	13.22	2124.	4.692
634.	13.19	2125.	4.737
635.	13.21	2126.	4.735
636.	13.23	2127.	4.714
637.	13.23	2128.	4.748
638.	13.25	2129.	4.718
639.	13.25	2130.	4.707
640.	13.23	2131.	4.702
641.	13.26	2132.	4.687
642.	13.26	2133.	4.685
643.	13.27	2134.	4.69
644.	13.28	2135.	4.726
645.	13.29	2136.	4.661
646.	13.28	2137.	4.679
647.	13.25	2138.	4.694
648.	13.32	2139.	4.691
649.	13.32	2140.	4.682
650.	13.32	2141.	4.664
651.	13.32	2142.	4.646
652.	13.32	2143.	4.673
653.	13.32	2144.	4.668
654.	13.35	2145.	4.653
655.	13.36	2146.	4.647
656.	13.35	2147.	4.668
657.	13.36	2148.	4.61
658.	13.39	2149.	4.609
659.	13.38	2150.	4.636
660.	13.37	2151.	4.644
661.	13.38	2152.	4.625
662.	13.41	2153.	4.608
663.	13.39	2154.	4.625
664.	13.41	2155.	4.62
665.	13.42	2156.	4.599
666.	13.43	2157.	4.589
667.	13.42	2158.	4.63
668.	13.45	2159.	4.637
669.	13.44	2160.	4.6
670.	13.46	2161.	4.572
671.	13.45	2162.	4.595
672.	13.44	2163.	4.572
673.	13.47	2164.	4.574
674.	13.48	2165.	4.583
675.	13.52	2166.	4.563
676.	13.5	2167.	4.532
677.	13.5	2168.	4.539
678.	13.51	2169.	4.563
679.	13.5	2170.	4.594
680.	13.51	2171.	4.534
681.	13.51	2172.	4.495
682.	13.53	2173.	4.537
683.	13.52	2174.	4.507
684.	13.55	2175.	4.545
685.	13.57	2176.	4.541
686.	13.56	2177.	4.522
687.	13.53	2178.	4.518
688.	13.55	2179.	4.531
689.	13.6	2180.	4.515
690.	13.6	2181.	4.49
691.	13.62	2182.	4.513
692.	13.61	2183.	4.505

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	13.59	2184.	4.528
694.	13.59	2185.	4.472
695.	13.64	2186.	4.456
696.	13.6	2187.	4.497
697.	13.62	2188.	4.476
698.	13.66	2189.	4.489
699.	13.62	2190.	4.512
700.	13.62	2191.	4.49
701.	13.67	2192.	4.449
702.	13.67	2193.	4.484
703.	13.68	2194.	4.442
704.	13.7	2195.	4.468
705.	13.68	2196.	4.464
706.	13.7	2197.	4.465
707.	13.7	2198.	4.465
708.	13.68	2199.	4.473
709.	13.7	2200.	4.427
710.	13.69	2201.	4.443
711.	13.69	2202.	4.464
712.	13.72	2203.	4.445
713.	13.73	2204.	4.483
714.	13.75	2205.	4.437
715.	13.74	2206.	4.44
716.	13.76	2207.	4.432
717.	13.73	2208.	4.404
718.	13.76	2209.	4.412
719.	13.8	2210.	4.423
720.	13.75	2211.	4.408
721.	13.77	2212.	4.408
722.	13.8	2213.	4.394
723.	13.81	2214.	4.411
724.	13.81	2215.	4.422
725.	13.8	2216.	4.396
726.	13.82	2217.	4.396
727.	13.82	2218.	4.363
728.	13.84	2219.	4.386
729.	13.84	2220.	4.362
730.	13.82	2221.	4.391
731.	13.84	2222.	4.363
732.	13.85	2223.	4.363
733.	13.86	2224.	4.404
734.	13.87	2225.	4.348
735.	13.84	2226.	4.385
736.	13.86	2227.	4.332
737.	13.89	2228.	4.396
738.	13.88	2229.	4.362
739.	13.91	2230.	4.363
740.	13.92	2231.	4.381
741.	13.87	2232.	4.337
742.	13.89	2233.	4.332
743.	13.93	2234.	4.33
744.	13.92	2235.	4.316
745.	13.92	2236.	4.3
746.	13.92	2237.	4.336
747.	13.95	2238.	4.308
748.	13.96	2239.	4.329
749.	13.95	2240.	4.328
750.	13.98	2241.	4.307
751.	13.96	2242.	4.315
752.	13.98	2243.	4.323
753.	13.95	2244.	4.286
754.	13.97	2245.	4.332
755.	13.99	2246.	4.286
756.	13.99	2247.	4.329
757.	13.99	2248.	4.284
758.	14.02	2249.	4.304

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	14.01	2250.	4.311
760.	14.03	2251.	4.257
761.	14.03	2252.	4.279
762.	14.03	2253.	4.279
763.	14.02	2254.	4.263
764.	14.04	2255.	4.274
765.	14.08	2256.	4.284
766.	14.04	2257.	4.264
767.	14.07	2258.	4.279
768.	14.07	2259.	4.262
769.	14.09	2260.	4.266
770.	14.07	2261.	4.261
771.	14.1	2262.	4.231
772.	14.08	2263.	4.267
773.	14.11	2264.	4.224
774.	14.13	2265.	4.223
775.	14.12	2266.	4.239
776.	14.14	2267.	4.246
777.	14.15	2268.	4.22
778.	14.11	2269.	4.241
779.	14.14	2270.	4.218
780.	14.14	2271.	4.22
781.	14.16	2272.	4.207
782.	14.13	2273.	4.191
783.	14.17	2274.	4.2
784.	14.15	2275.	4.231
785.	14.16	2276.	4.203
786.	14.18	2277.	4.209
787.	14.14	2278.	4.18
788.	14.18	2279.	4.191
789.	14.17	2280.	4.195
790.	14.2	2281.	4.191
791.	14.22	2282.	4.179
792.	14.22	2283.	4.191
793.	14.2	2284.	4.152
794.	14.24	2285.	4.161
795.	14.23	2286.	4.163
796.	14.24	2287.	4.169
797.	14.26	2288.	4.147
798.	14.28	2289.	4.175
799.	14.25	2290.	4.167
800.	14.26	2291.	4.178
801.	14.27	2292.	4.16
802.	14.26	2293.	4.146
803.	14.28	2294.	4.146
804.	14.28	2295.	4.122
805.	14.27	2296.	4.14
806.	14.28	2297.	4.156
807.	14.29	2298.	4.175
808.	14.32	2299.	4.134
809.	14.29	2300.	4.126
810.	14.31	2301.	4.171
811.	14.31	2302.	4.136
812.	14.31	2303.	4.14
813.	14.31	2304.	4.083
814.	14.33	2305.	4.107
815.	14.35	2306.	4.135
816.	14.36	2307.	4.123
817.	14.36	2308.	4.092
818.	14.37	2309.	4.102
819.	14.39	2310.	4.099
820.	14.38	2311.	4.097
821.	14.38	2312.	4.104
822.	14.4	2313.	4.112
823.	14.39	2314.	4.112
824.	14.39	2315.	4.096

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	14.39	2316.	4.078
826.	14.43	2317.	4.082
827.	14.43	2318.	4.101
828.	14.4	2319.	4.031
829.	14.45	2320.	4.048
830.	14.42	2321.	4.078
831.	14.39	2322.	4.066
832.	14.43	2323.	4.057
833.	14.43	2324.	4.077
834.	14.43	2325.	4.071
835.	14.43	2326.	4.061
836.	14.46	2327.	4.046
837.	14.47	2328.	4.061
838.	14.47	2329.	4.072
839.	14.47	2330.	4.039
840.	14.44	2331.	4.007
841.	14.46	2332.	4.043
842.	14.47	2333.	4.043
843.	14.51	2334.	4.031
844.	14.48	2335.	4.007
845.	14.49	2336.	4.022
846.	14.52	2337.	4.03
847.	14.51	2338.	4.034
848.	14.5	2339.	4.012
849.	14.54	2340.	4.005
850.	14.51	2341.	4.012
851.	14.5	2342.	4.023
852.	14.54	2343.	4.012
853.	14.55	2344.	4.015
854.	14.58	2345.	4.011
855.	14.55	2346.	3.998
856.	14.55	2347.	3.991
857.	14.57	2348.	3.992
858.	14.57	2349.	3.997
859.	14.56	2350.	3.988
860.	14.6	2351.	3.993
861.	14.59	2352.	3.983
862.	14.59	2353.	3.97
863.	14.6	2354.	3.975
864.	14.6	2355.	3.977
865.	14.62	2356.	3.981
866.	14.61	2357.	3.98
867.	14.62	2358.	3.938
868.	14.6	2359.	3.952
869.	14.62	2360.	3.949
870.	14.65	2361.	3.958
871.	14.62	2362.	3.951
872.	14.64	2363.	3.96
873.	14.65	2364.	3.95
874.	14.65	2365.	3.972
875.	14.67	2366.	3.937
876.	14.68	2367.	3.934
877.	14.68	2368.	3.934
878.	14.68	2369.	3.935
879.	14.69	2370.	3.952
880.	14.69	2371.	3.931
881.	14.7	2372.	3.936
882.	14.69	2373.	3.958
883.	14.69	2374.	3.904
884.	14.73	2375.	3.906
885.	14.74	2376.	3.922
886.	14.71	2377.	3.92
887.	14.73	2378.	3.9
888.	14.71	2379.	3.914
889.	14.72	2380.	3.884
890.	14.72	2381.	3.931

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	14.73	2382.	3.902
892.	14.77	2383.	3.902
893.	14.75	2384.	3.914
894.	14.78	2385.	3.892
895.	14.8	2386.	3.883
896.	14.79	2387.	3.88
897.	14.79	2388.	3.909
898.	14.77	2389.	3.896
899.	14.78	2390.	3.896
900.	14.78	2391.	3.894
901.	14.8	2392.	3.855
902.	14.78	2393.	3.884
903.	14.78	2394.	3.884
904.	14.79	2395.	3.862
905.	14.83	2396.	3.903
906.	14.79	2397.	3.902
907.	14.83	2398.	3.884
908.	14.81	2399.	3.855
909.	14.84	2400.	3.876
910.	14.85	2401.	3.854
911.	14.86	2402.	3.849
912.	14.85	2403.	3.862
913.	14.85	2404.	3.857
914.	14.86	2405.	3.831
915.	14.85	2406.	3.814
916.	14.88	2407.	3.828
917.	14.88	2408.	3.846
918.	14.9	2409.	3.834
919.	14.89	2410.	3.831
920.	14.88	2411.	3.847
921.	14.89	2412.	3.832
922.	14.89	2413.	3.821
923.	14.88	2414.	3.818
924.	14.91	2415.	3.83
925.	14.92	2416.	3.817
926.	14.93	2417.	3.794
927.	14.91	2418.	3.786
928.	14.91	2419.	3.818
929.	14.93	2420.	3.82
930.	14.95	2421.	3.815
931.	14.96	2422.	3.782
932.	14.95	2423.	3.79
933.	14.94	2424.	3.805
934.	14.95	2425.	3.776
935.	14.98	2426.	3.812
936.	14.96	2427.	3.783
937.	14.97	2428.	3.782
938.	14.97	2429.	3.806
939.	14.98	2430.	3.801
940.	14.98	2431.	3.776
941.	14.98	2432.	3.782
942.	15.	2433.	3.795
943.	14.96	2434.	3.758
944.	15.03	2435.	3.751
945.	14.99	2436.	3.753
946.	14.99	2437.	3.772
947.	14.98	2438.	3.752
948.	15.04	2439.	3.753
949.	15.01	2440.	3.758
950.	15.04	2441.	3.763
951.	15.01	2442.	3.752
952.	15.04	2443.	3.755
953.	15.03	2444.	3.744
954.	15.03	2445.	3.769
955.	15.08	2446.	3.718
956.	15.08	2447.	3.736

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	15.05	2448.	3.741
958.	15.07	2449.	3.733
959.	15.07	2450.	3.758
960.	15.11	2451.	3.726
961.	15.09	2452.	3.682
962.	15.08	2453.	3.73
963.	15.09	2454.	3.715
964.	15.09	2455.	3.724
965.	15.08	2456.	3.717
966.	15.1	2457.	3.718
967.	15.11	2458.	3.697
968.	15.12	2459.	3.704
969.	15.1	2460.	3.702
970.	15.13	2461.	3.698
971.	15.15	2462.	3.707
972.	15.16	2463.	3.695
973.	15.16	2464.	3.711
974.	15.13	2465.	3.711
975.	15.15	2466.	3.697
976.	15.16	2467.	3.677
977.	15.15	2468.	3.682
978.	15.17	2469.	3.689
979.	15.16	2470.	3.691
980.	15.16	2471.	3.674
981.	15.16	2472.	3.676
982.	15.15	2473.	3.67
983.	15.21	2474.	3.663
984.	15.17	2475.	3.677
985.	15.19	2476.	3.654
986.	15.18	2477.	3.663
987.	15.21	2478.	3.635
988.	15.22	2479.	3.65
989.	15.17	2480.	3.638
990.	15.22	2481.	3.645
991.	15.23	2482.	3.623
992.	15.25	2483.	3.622
993.	15.23	2484.	3.654
994.	15.24	2485.	3.655
995.	15.24	2486.	3.677
996.	15.24	2487.	3.626
997.	15.21	2488.	3.62
998.	15.26	2489.	3.648
999.	15.26	2490.	3.618
1000.	15.28	2491.	3.618
1001.	15.28	2492.	3.654
1002.	15.29	2493.	3.617
1003.	15.27	2494.	3.627
1004.	15.28	2495.	3.64
1005.	15.27	2496.	3.626
1006.	15.27	2497.	3.603
1007.	15.32	2498.	3.614
1008.	15.27	2499.	3.593
1009.	15.33	2500.	3.574
1010.	15.3	2501.	3.606
1011.	15.33	2502.	3.569
1012.	15.31	2503.	3.605
1013.	15.36	2504.	3.604
1014.	15.31	2505.	3.606
1015.	15.33	2506.	3.607
1016.	15.31	2507.	3.583
1017.	15.32	2508.	3.576
1018.	15.39	2509.	3.567
1019.	15.33	2510.	3.557
1020.	15.33	2511.	3.571
1021.	15.34	2512.	3.586
1022.	15.34	2513.	3.584

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	15.36	2514.	3.583
1024.	15.37	2515.	3.568
1025.	15.38	2516.	3.552
1026.	15.37	2517.	3.556
1027.	15.37	2518.	3.56
1028.	15.4	2519.	3.563
1029.	15.39	2520.	3.561
1030.	15.4	2521.	3.545
1031.	15.37	2522.	3.552
1032.	15.4	2523.	3.564
1033.	15.4	2524.	3.521
1034.	15.43	2525.	3.532
1035.	15.41	2526.	3.537
1036.	15.41	2527.	3.548
1037.	15.42	2528.	3.544
1038.	15.43	2529.	3.518
1039.	15.41	2530.	3.525
1040.	15.42	2531.	3.524
1041.	15.44	2532.	3.548
1042.	15.43	2533.	3.551
1043.	15.43	2534.	3.502
1044.	15.45	2535.	3.509
1045.	15.43	2536.	3.503
1046.	15.43	2537.	3.525
1047.	15.47	2538.	3.531
1048.	15.47	2539.	3.518
1049.	15.44	2540.	3.496
1050.	15.49	2541.	3.509
1051.	15.45	2542.	3.487
1052.	15.46	2543.	3.502
1053.	15.47	2544.	3.493
1054.	15.51	2545.	3.494
1055.	15.47	2546.	3.501
1056.	15.49	2547.	3.483
1057.	15.5	2548.	3.518
1058.	15.5	2549.	3.475
1059.	15.49	2550.	3.491
1060.	15.51	2551.	3.473
1061.	15.5	2552.	3.498
1062.	15.51	2553.	3.49
1063.	15.54	2554.	3.451
1064.	15.5	2555.	3.479
1065.	15.56	2556.	3.465
1066.	15.52	2557.	3.474
1067.	15.55	2558.	3.463
1068.	15.55	2559.	3.463
1069.	15.54	2560.	3.446
1070.	15.53	2561.	3.47
1071.	15.52	2562.	3.479
1072.	15.53	2563.	3.473
1073.	15.57	2564.	3.471
1074.	15.56	2565.	3.445
1075.	15.58	2566.	3.438
1076.	15.57	2567.	3.458
1077.	15.59	2568.	3.442
1078.	15.57	2569.	3.444
1079.	15.56	2570.	3.432
1080.	15.58	2571.	3.435
1081.	15.59	2572.	3.423
1082.	15.6	2573.	3.474
1083.	15.57	2574.	3.445
1084.	15.6	2575.	3.429
1085.	15.62	2576.	3.442
1086.	15.61	2577.	3.423
1087.	15.62	2578.	3.414
1088.	15.63	2579.	3.426

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	15.61	2580.	3.447
1090.	15.62	2581.	3.407
1091.	15.62	2582.	3.422
1092.	15.63	2583.	3.396
1093.	15.62	2584.	3.407
1094.	15.65	2585.	3.392
1095.	15.63	2586.	3.409
1096.	15.66	2587.	3.392
1097.	15.65	2588.	3.38
1098.	15.67	2589.	3.388
1099.	15.68	2590.	3.399
1100.	15.67	2591.	3.399
1101.	15.64	2592.	3.379
1102.	15.67	2593.	3.386
1103.	15.69	2594.	3.35
1104.	15.67	2595.	3.365
1105.	15.69	2596.	3.391
1106.	15.68	2597.	3.364
1107.	15.72	2598.	3.344
1108.	15.67	2599.	3.345
1109.	15.69	2600.	3.367
1110.	15.7	2601.	3.358
1111.	15.73	2602.	3.386
1112.	15.72	2603.	3.383
1113.	15.72	2604.	3.381
1114.	15.72	2605.	3.384
1115.	15.73	2606.	3.346
1116.	15.73	2607.	3.334
1117.	15.7	2608.	3.35
1118.	15.75	2609.	3.355
1119.	15.73	2610.	3.363
1120.	15.75	2611.	3.338
1121.	15.76	2612.	3.345
1122.	15.77	2613.	3.347
1123.	15.78	2614.	3.325
1124.	15.73	2615.	3.379
1125.	15.77	2616.	3.339
1126.	15.8	2617.	3.347
1127.	15.77	2618.	3.32
1128.	15.78	2619.	3.326
1129.	15.79	2620.	3.323
1130.	15.79	2621.	3.352
1131.	15.79	2622.	3.32
1132.	15.78	2623.	3.316
1133.	15.79	2624.	3.324
1134.	15.83	2625.	3.318
1135.	15.82	2626.	3.276
1136.	15.82	2627.	3.32
1137.	15.82	2628.	3.296
1138.	15.81	2629.	3.33
1139.	15.83	2630.	3.309
1140.	15.84	2631.	3.293
1141.	15.84	2632.	3.318
1142.	15.83	2633.	3.304
1143.	15.83	2634.	3.312
1144.	15.85	2635.	3.304
1145.	15.83	2636.	3.294
1146.	15.85	2637.	3.283
1147.	15.85	2638.	3.265
1148.	15.84	2639.	3.304
1149.	15.86	2640.	3.262
1150.	15.81	2641.	3.282
1151.	15.85	2642.	3.268
1152.	15.86	2643.	3.299
1153.	15.86	2644.	3.28
1154.	15.87	2645.	3.277

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	15.87	2646.	3.282
1156.	15.89	2647.	3.262
1157.	15.87	2648.	3.278
1158.	15.9	2649.	3.266
1159.	15.89	2650.	3.237
1160.	15.9	2651.	3.25
1161.	15.87	2652.	3.232
1162.	15.91	2653.	3.273
1163.	15.89	2654.	3.249
1164.	15.92	2655.	3.273
1165.	15.88	2656.	3.206
1166.	15.9	2657.	3.251
1167.	15.93	2658.	3.25
1168.	15.93	2659.	3.234
1169.	15.91	2660.	3.231
1170.	15.93	2661.	3.246
1171.	15.94	2662.	3.256
1172.	15.93	2663.	3.239
1173.	15.96	2664.	3.211
1174.	15.94	2665.	3.227
1175.	15.94	2666.	3.21
1176.	15.95	2667.	3.229
1177.	15.94	2668.	3.231
1178.	15.97	2669.	3.241
1179.	15.94	2670.	3.221
1180.	15.94	2671.	3.21
1181.	15.92	2672.	3.22
1182.	15.91	2673.	3.18
1183.	15.87	2674.	3.218
1184.	15.84	2675.	3.208
1185.	15.83	2676.	3.211
1186.	15.78	2677.	3.188
1187.	15.76	2678.	3.204
1188.	15.73	2679.	3.247
1189.	15.72	2680.	3.237
1190.	15.71	2681.	3.185
1191.	15.68	2682.	3.191
1192.	15.67	2683.	3.166
1193.	15.66	2684.	3.208
1194.	15.63	2685.	3.22
1195.	15.6	2686.	3.197
1196.	15.56	2687.	3.197
1197.	15.54	2688.	3.163
1198.	15.53	2689.	3.182
1199.	15.52	2690.	3.18
1200.	15.5	2691.	3.169
1201.	15.45	2692.	3.152
1202.	15.44	2693.	3.193
1203.	15.44	2694.	3.186
1204.	15.43	2695.	3.189
1205.	15.39	2696.	3.174
1206.	15.38	2697.	3.157
1207.	15.37	2698.	3.151
1208.	15.35	2699.	3.151
1209.	15.33	2700.	3.172
1210.	15.32	2701.	3.196
1211.	15.3	2702.	3.167
1212.	15.3	2703.	3.14
1213.	15.3	2704.	3.161
1214.	15.26	2705.	3.143
1215.	15.27	2706.	3.149
1216.	15.24	2707.	3.135
1217.	15.23	2708.	3.136
1218.	15.22	2709.	3.14
1219.	15.16	2710.	3.147
1220.	15.21	2711.	3.149

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	15.16	2712.	3.121
1222.	15.18	2713.	3.131
1223.	15.15	2714.	3.138
1224.	15.17	2715.	3.116
1225.	15.15	2716.	3.14
1226.	15.12	2717.	3.121
1227.	15.15	2718.	3.094
1228.	15.17	2719.	3.11
1229.	15.17	2720.	3.128
1230.	15.21	2721.	3.118
1231.	15.18	2722.	3.114
1232.	15.23	2723.	3.11
1233.	15.26	2724.	3.118
1234.	15.23	2725.	3.105
1235.	15.26	2726.	3.108
1236.	15.28	2727.	3.12
1237.	15.32	2728.	3.104
1238.	15.31	2729.	3.11
1239.	15.31	2730.	3.12
1240.	15.32	2731.	3.117
1241.	15.37	2732.	3.092
1242.	15.36	2733.	3.111
1243.	15.39	2734.	3.11
1244.	15.4	2735.	3.09
1245.	15.42	2736.	3.097
1246.	15.43	2737.	3.109
1247.	15.43	2738.	3.111
1248.	15.46	2739.	3.075
1249.	15.47	2740.	3.058
1250.	15.46	2741.	3.073
1251.	15.5	2742.	3.101
1252.	15.52	2743.	3.088
1253.	15.51	2744.	3.056
1254.	15.55	2745.	3.075
1255.	15.55	2746.	3.091
1256.	15.52	2747.	3.063
1257.	15.59	2748.	3.059
1258.	15.57	2749.	3.048
1259.	15.58	2750.	3.063
1260.	15.57	2751.	3.055
1261.	15.59	2752.	3.063
1262.	15.64	2753.	3.067
1263.	15.64	2754.	3.041
1264.	15.66	2755.	3.063
1265.	15.63	2756.	3.063
1266.	15.7	2757.	3.042
1267.	15.69	2758.	3.037
1268.	15.65	2759.	3.026
1269.	15.68	2760.	3.048
1270.	15.69	2761.	3.095
1271.	15.71	2762.	3.059
1272.	15.73	2763.	3.055
1273.	15.72	2764.	3.008
1274.	15.75	2765.	3.037
1275.	15.76	2766.	3.035
1276.	15.76	2767.	3.048
1277.	15.75	2768.	3.022
1278.	15.77	2769.	3.036
1279.	15.78	2770.	3.012
1280.	15.77	2771.	3.021
1281.	15.78	2772.	3.032
1282.	15.77	2773.	3.017
1283.	15.82	2774.	3.027
1284.	15.82	2775.	3.005
1285.	15.8	2776.	2.997
1286.	15.84	2777.	3.021

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	15.83	2778.	2.994
1288.	15.85	2779.	3.02
1289.	15.85	2780.	2.987
1290.	15.88	2781.	2.97
1291.	15.85	2782.	2.97
1292.	15.89	2783.	2.998
1293.	15.87	2784.	2.986
1294.	15.9	2785.	2.96
1295.	15.88	2786.	3.01
1296.	15.86	2787.	2.987
1297.	15.94	2788.	2.977
1298.	15.91	2789.	2.991
1299.	15.92	2790.	2.988
1300.	15.91	2791.	2.988
1301.	15.91	2792.	2.984
1302.	15.91	2793.	2.988
1303.	15.95	2794.	2.981
1304.	15.93	2795.	2.979
1305.	15.94	2796.	2.969
1306.	15.94	2797.	2.979
1307.	15.95	2798.	2.958
1308.	15.95	2799.	2.992
1309.	15.98	2800.	2.971
1310.	15.97	2801.	2.972
1311.	15.96	2802.	2.944
1312.	15.99	2803.	2.974
1313.	16.01	2804.	2.965
1314.	15.99	2805.	2.946
1315.	15.99	2806.	2.957
1316.	16.01	2807.	2.957
1317.	16.02	2808.	2.946
1318.	16.	2809.	2.944
1319.	16.	2810.	2.947
1320.	16.03	2811.	2.953
1321.	16.04	2812.	2.97
1322.	16.04	2813.	2.944
1323.	16.03	2814.	2.941
1324.	16.03	2815.	2.971
1325.	16.09	2816.	2.949
1326.	16.06	2817.	2.942
1327.	16.06	2818.	2.975
1328.	16.09	2819.	2.947
1329.	16.07	2820.	2.94
1330.	16.05	2821.	2.938
1331.	16.04	2822.	2.938
1332.	16.11	2823.	2.963
1333.	16.11	2824.	2.933
1334.	16.1	2825.	2.955
1335.	16.14	2826.	2.94
1336.	16.11	2827.	2.941
1337.	16.08	2828.	2.939
1338.	16.12	2829.	2.949
1339.	16.12	2830.	2.941
1340.	16.12	2831.	2.931
1341.	16.14	2832.	2.94
1342.	16.15	2833.	2.939
1343.	16.13	2834.	2.948
1344.	16.13	2835.	2.903
1345.	16.16	2836.	2.941
1346.	16.15	2837.	2.922
1347.	16.17	2838.	2.926
1348.	16.19	2839.	2.921
1349.	16.19	2840.	2.906
1350.	16.2	2841.	2.948
1351.	16.2	2842.	2.93
1352.	16.17	2843.	2.917

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	16.19	2844.	2.894
1354.	16.21	2845.	2.892
1355.	16.21	2846.	2.923
1356.	16.21	2847.	2.892
1357.	16.22	2848.	2.899
1358.	16.22	2849.	2.892
1359.	16.25	2850.	2.897
1360.	16.25	2851.	2.901
1361.	16.24	2852.	2.879
1362.	16.23	2853.	2.899
1363.	16.23	2854.	2.903
1364.	16.24	2855.	2.912
1365.	16.24	2856.	2.9
1366.	16.28	2857.	2.847
1367.	16.27	2858.	2.891
1368.	16.26	2859.	2.892
1369.	16.3	2860.	2.916
1370.	16.27	2861.	2.876
1371.	16.3	2862.	2.853
1372.	16.3	2863.	2.862
1373.	16.33	2864.	2.877
1374.	16.29	2865.	2.873
1375.	16.32	2866.	2.869
1376.	16.32	2867.	2.86
1377.	16.33	2868.	2.856
1378.	16.35	2869.	2.86
1379.	16.32	2870.	2.861
1380.	16.32	2871.	2.824
1381.	16.32	2872.	2.871
1382.	16.32	2873.	2.866
1383.	16.37	2874.	2.842
1384.	16.34	2875.	2.891
1385.	16.37	2876.	2.851
1386.	16.36	2877.	2.848
1387.	16.35	2878.	2.867
1388.	16.4	2879.	2.833
1389.	16.32	2880.	2.833
1390.	16.35	2881.	2.844
1391.	16.36	2882.	2.88
1392.	16.38	2883.	2.87
1393.	16.39	2884.	2.847
1394.	16.39	2885.	2.835
1395.	16.38	2886.	2.849
1396.	16.37	2887.	2.845
1397.	16.41	2888.	2.829
1398.	16.39	2889.	2.821
1399.	16.4	2890.	2.841
1400.	16.43	2891.	2.841
1401.	16.37	2892.	2.825
1402.	16.44	2893.	2.816
1403.	16.43	2894.	2.834
1404.	16.43	2895.	2.819
1405.	16.43	2896.	2.835
1406.	16.41	2897.	2.829
1407.	16.44	2898.	2.817
1408.	16.46	2899.	2.799
1409.	16.45	2900.	2.813
1410.	16.46	2901.	2.797
1411.	16.45	2902.	2.818
1412.	16.43	2903.	2.803
1413.	16.47	2904.	2.829
1414.	16.45	2905.	2.813
1415.	16.47	2906.	2.822
1416.	16.45	2907.	2.809
1417.	16.48	2908.	2.815
1418.	16.45	2909.	2.804

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	16.48	2910.	2.814
1420.	16.5	2911.	2.799
1421.	16.47	2912.	2.799
1422.	16.52	2913.	2.786
1423.	16.52	2914.	2.785
1424.	16.5	2915.	2.784
1425.	16.49	2916.	2.779
1426.	16.52	2917.	2.752
1427.	16.53	2918.	2.803
1428.	16.51	2919.	2.791
1429.	16.52	2920.	2.8
1430.	16.56	2921.	2.784
1431.	16.52	2922.	2.779
1432.	16.54	2923.	2.788
1433.	16.54	2924.	2.774
1434.	16.53	2925.	2.786
1435.	16.52	2926.	2.814
1436.	16.54	2927.	2.77
1437.	16.54	2928.	2.786
1438.	16.58	2929.	2.766
1439.	16.53	2930.	2.785
1440.	16.59	2931.	2.751
1441.	16.55	2932.	2.772
1442.	16.55	2933.	2.791
1443.	16.52	2934.	2.811
1444.	16.46	2935.	2.773
1445.	16.4	2936.	2.78
1446.	16.37	2937.	2.762
1447.	16.32	2938.	2.785
1448.	16.23	2939.	2.773
1449.	16.18	2940.	2.773
1450.	16.14	2941.	2.774
1451.	16.04	2942.	2.755
1452.	16.	2943.	2.778
1453.	15.89	2944.	2.737
1454.	15.84	2945.	2.772
1455.	15.76	2946.	2.761
1456.	15.68	2947.	2.751
1457.	15.67	2948.	2.757
1458.	15.54	2949.	2.745
1459.	15.45	2950.	2.732
1460.	15.39	2951.	2.755
1461.	15.31	2952.	2.74
1462.	15.28	2953.	2.731
1463.	15.2	2954.	2.748
1464.	15.14	2955.	2.748
1465.	15.06	2956.	2.754
1466.	15.	2957.	2.732
1467.	14.92	2958.	2.749
1468.	14.89	2959.	2.727
1469.	14.8	2960.	2.76
1470.	14.73	2961.	2.75
1471.	14.66	2962.	2.718
1472.	14.61	2963.	2.713
1473.	14.54	2964.	2.739
1474.	14.49	2965.	2.756
1475.	14.41	2966.	2.695
1476.	14.34	2967.	2.718
1477.	14.3	2968.	2.697
1478.	14.28	2969.	2.728
1479.	14.18	2970.	2.733
1480.	14.12	2971.	2.736
1481.	14.05	2972.	2.707
1482.	14.03	2973.	2.724
1483.	13.92	2974.	2.717
1484.	13.85	2975.	2.725

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	13.81	2976.	2.704
1486.	13.79	2977.	2.704
1487.	13.73	2978.	2.737
1488.	13.67	2979.	2.727
1489.	13.59	2980.	2.717
1490.	13.56	2981.	2.694
1491.	13.51		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1305.4	ft^2/day
S	8.244E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.32 ft/day (0.005756 cm/sec)
Ss = S/b = 1.03E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1299.9	1.936	+/- 3.796	671.6	ft^2/day
S	0.0001	3.843E-7	+/- 7.537E-7	260.3	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.25 ft/day (0.005732 cm/sec)
Ss = S/b = 1.251E-6 1/ft

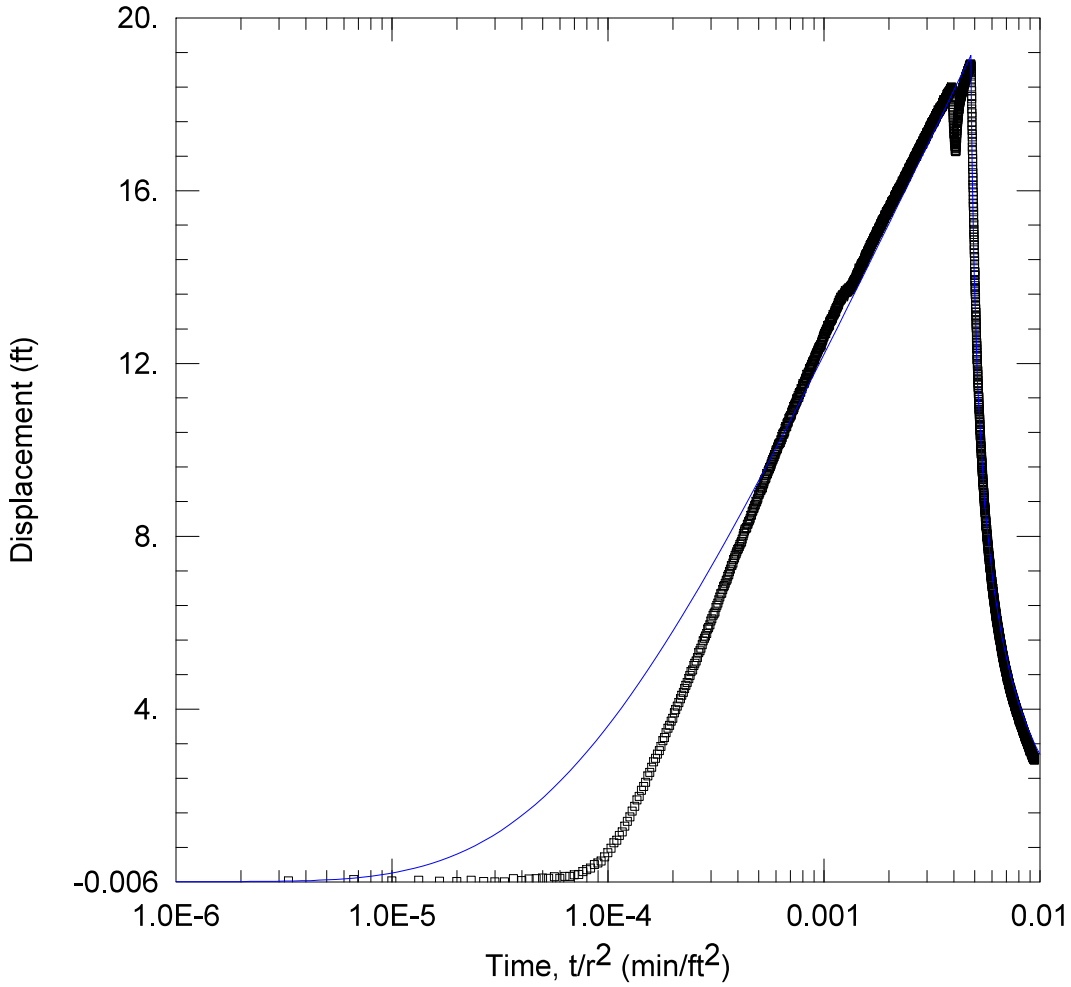
Parameter Correlations

	T	S
T	1.00	-0.85
S	-0.85	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 311.2 ft^2
Variance . . . . . 0.1045 ft^2
Std. Deviation . . . . . 0.3232 ft
Mean . . . . . -0.08568 ft
No. of Residuals 2981
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW13A.aqt
Date: 04/11/25 Time: 12:05:16

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW13A	781	431

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1271. ft^2/day
S = 6.675E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:21:43

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW13A

X Location: 781. ft
Y Location: 431. ft

Radial distance from BM 1B: 548.1842756 ft
Radial distance from BM2A: 874.3454695 ft
Radial distance from BM3: 313.5602016 ft
Radial distance from BM 4 : 401.6590594 ft
Radial distance from BM5: 678.5698195 ft
Radial distance from BM 6: 901.7993125 ft
Radial distance from BM7: 1103.576912 ft
Radial distance from BM9: 1654.38478 ft

Fully Penetrating Well

No. of Observations: 2835

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.01454	1419.	18.89
2.	0.04558	1420.	18.84
3.	0.01349	1421.	18.88
4.	0.03403	1422.	18.82
5.	0.005877	1423.	18.87
6.	-0.001647	1424.	18.85
7.	0.0343	1425.	18.85
8.	0.002017	1426.	18.91
9.	-0.002837	1427.	18.87
10.	-0.005423	1428.	18.89
11.	0.06606	1429.	18.89
12.	0.02635	1430.	18.91
13.	0.06284	1431.	18.9
14.	0.0686	1432.	18.9
15.	0.07929	1433.	18.9
16.	0.07565	1434.	18.92
17.	0.1131	1435.	18.91
18.	0.07639	1436.	18.9
19.	0.1211	1437.	18.89
20.	0.123	1438.	18.92
21.	0.156	1439.	18.94
22.	0.1615	1440.	18.92
23.	0.2297	1441.	18.87
24.	0.2719	1442.	18.89
25.	0.3136	1443.	18.87
26.	0.3905	1444.	18.79
27.	0.4283	1445.	18.75
28.	0.4766	1446.	18.74
29.	0.57	1447.	18.65
30.	0.6691	1448.	18.57
31.	0.7718	1449.	18.51
32.	0.8971	1450.	18.4

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.9576	1451.	18.31
34.	1.069	1452.	18.18
35.	1.152	1453.	18.13
36.	1.284	1454.	18.01
37.	1.393	1455.	17.89
38.	1.496	1456.	17.8
39.	1.631	1457.	17.72
40.	1.741	1458.	17.59
41.	1.894	1459.	17.5
42.	1.973	1460.	17.39
43.	2.114	1461.	17.3
44.	2.199	1462.	17.24
45.	2.302	1463.	17.14
46.	2.443	1464.	17.01
47.	2.529	1465.	16.92
48.	2.649	1466.	16.84
49.	2.77	1467.	16.74
50.	2.856	1468.	16.67
51.	2.948	1469.	16.56
52.	3.032	1470.	16.49
53.	3.126	1471.	16.42
54.	3.265	1472.	16.3
55.	3.339	1473.	16.22
56.	3.448	1474.	16.13
57.	3.55	1475.	16.07
58.	3.619	1476.	15.97
59.	3.712	1477.	15.89
60.	3.779	1478.	15.8
61.	3.907	1479.	15.71
62.	3.98	1480.	15.64
63.	4.064	1481.	15.62
64.	4.142	1482.	15.51
65.	4.233	1483.	15.45
66.	4.313	1484.	15.37
67.	4.383	1485.	15.26
68.	4.469	1486.	15.23
69.	4.542	1487.	15.11
70.	4.609	1488.	15.05
71.	4.703	1489.	14.99
72.	4.772	1490.	14.93
73.	4.859	1491.	14.86
74.	4.9	1492.	14.75
75.	5.001	1493.	14.74
76.	5.052	1494.	14.64
77.	5.108	1495.	14.55
78.	5.187	1496.	14.48
79.	5.297	1497.	14.47
80.	5.346	1498.	14.38
81.	5.407	1499.	14.31
82.	5.484	1500.	14.23
83.	5.574	1501.	14.13
84.	5.636	1502.	14.12
85.	5.685	1503.	14.05
86.	5.747	1504.	14.04
87.	5.848	1505.	13.92
88.	5.885	1506.	13.89
89.	5.945	1507.	13.8
90.	6.03	1508.	13.76
91.	6.087	1509.	13.7
92.	6.166	1510.	13.66
93.	6.206	1511.	13.59
94.	6.237	1512.	13.54
95.	6.341	1513.	13.53
96.	6.398	1514.	13.44
97.	6.45	1515.	13.37
98.	6.521	1516.	13.31

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	6.587	1517.	13.27
100.	6.664	1518.	13.19
101.	6.676	1519.	13.19
102.	6.758	1520.	13.11
103.	6.823	1521.	13.08
104.	6.858	1522.	13.02
105.	6.907	1523.	12.95
106.	6.964	1524.	12.91
107.	7.004	1525.	12.86
108.	7.069	1526.	12.81
109.	7.105	1527.	12.73
110.	7.171	1528.	12.72
111.	7.231	1529.	12.65
112.	7.317	1530.	12.6
113.	7.323	1531.	12.57
114.	7.372	1532.	12.5
115.	7.453	1533.	12.48
116.	7.491	1534.	12.42
117.	7.555	1535.	12.41
118.	7.591	1536.	12.34
119.	7.631	1537.	12.33
120.	7.686	1538.	12.26
121.	7.716	1539.	12.19
122.	7.761	1540.	12.19
123.	7.807	1541.	12.09
124.	7.847	1542.	12.09
125.	7.875	1543.	12.05
126.	7.937	1544.	11.99
127.	8.007	1545.	11.97
128.	8.065	1546.	11.95
129.	8.112	1547.	11.91
130.	8.16	1548.	11.84
131.	8.174	1549.	11.82
132.	8.196	1550.	11.75
133.	8.268	1551.	11.75
134.	8.281	1552.	11.69
135.	8.327	1553.	11.62
136.	8.367	1554.	11.61
137.	8.408	1555.	11.56
138.	8.478	1556.	11.54
139.	8.486	1557.	11.49
140.	8.559	1558.	11.44
141.	8.584	1559.	11.44
142.	8.631	1560.	11.43
143.	8.648	1561.	11.35
144.	8.7	1562.	11.3
145.	8.728	1563.	11.31
146.	8.806	1564.	11.23
147.	8.792	1565.	11.23
148.	8.843	1566.	11.22
149.	8.878	1567.	11.17
150.	8.95	1568.	11.11
151.	8.967	1569.	11.08
152.	9.011	1570.	11.04
153.	9.053	1571.	11.03
154.	9.065	1572.	10.98
155.	9.107	1573.	10.94
156.	9.112	1574.	10.93
157.	9.185	1575.	10.9
158.	9.225	1576.	10.87
159.	9.256	1577.	10.81
160.	9.303	1578.	10.82
161.	9.329	1579.	10.77
162.	9.347	1580.	10.75
163.	9.414	1581.	10.71
164.	9.451	1582.	10.7

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	9.448	1583.	10.65
166.	9.501	1584.	10.63
167.	9.531	1585.	10.59
168.	9.562	1586.	10.58
169.	9.59	1587.	10.54
170.	9.612	1588.	10.48
171.	9.656	1589.	10.45
172.	9.689	1590.	10.45
173.	9.72	1591.	10.42
174.	9.76	1592.	10.39
175.	9.778	1593.	10.35
176.	9.813	1594.	10.32
177.	9.847	1595.	10.33
178.	9.887	1596.	10.3
179.	9.896	1597.	10.26
180.	9.947	1598.	10.22
181.	9.992	1599.	10.17
182.	10.	1600.	10.19
183.	10.03	1601.	10.16
184.	10.07	1602.	10.1
185.	10.12	1603.	10.09
186.	10.13	1604.	10.07
187.	10.14	1605.	10.05
188.	10.16	1606.	10.02
189.	10.17	1607.	10.01
190.	10.23	1608.	9.96
191.	10.23	1609.	9.947
192.	10.31	1610.	9.897
193.	10.28	1611.	9.905
194.	10.36	1612.	9.893
195.	10.38	1613.	9.853
196.	10.37	1614.	9.846
197.	10.4	1615.	9.773
198.	10.43	1616.	9.788
199.	10.49	1617.	9.716
200.	10.53	1618.	9.743
201.	10.55	1619.	9.71
202.	10.53	1620.	9.691
203.	10.6	1621.	9.642
204.	10.62	1622.	9.672
205.	10.63	1623.	9.601
206.	10.66	1624.	9.574
207.	10.72	1625.	9.564
208.	10.73	1626.	9.529
209.	10.75	1627.	9.514
210.	10.78	1628.	9.487
211.	10.79	1629.	9.47
212.	10.8	1630.	9.428
213.	10.83	1631.	9.456
214.	10.88	1632.	9.394
215.	10.92	1633.	9.416
216.	10.92	1634.	9.378
217.	10.94	1635.	9.323
218.	11.	1636.	9.345
219.	10.97	1637.	9.301
220.	11.03	1638.	9.242
221.	11.04	1639.	9.259
222.	11.08	1640.	9.264
223.	11.09	1641.	9.23
224.	11.11	1642.	9.191
225.	11.18	1643.	9.176
226.	11.13	1644.	9.165
227.	11.18	1645.	9.132
228.	11.2	1646.	9.131
229.	11.26	1647.	9.073
230.	11.21	1648.	9.075

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	11.3	1649.	9.074
232.	11.27	1650.	9.058
233.	11.32	1651.	9.016
234.	11.34	1652.	9.018
235.	11.33	1653.	9.005
236.	11.41	1654.	8.972
237.	11.4	1655.	8.933
238.	11.41	1656.	8.92
239.	11.46	1657.	8.946
240.	11.5	1658.	8.87
241.	11.53	1659.	8.895
242.	11.53	1660.	8.837
243.	11.54	1661.	8.861
244.	11.54	1662.	8.787
245.	11.57	1663.	8.761
246.	11.59	1664.	8.762
247.	11.62	1665.	8.776
248.	11.65	1666.	8.765
249.	11.67	1667.	8.701
250.	11.68	1668.	8.712
251.	11.74	1669.	8.686
252.	11.74	1670.	8.648
253.	11.73	1671.	8.678
254.	11.77	1672.	8.663
255.	11.77	1673.	8.634
256.	11.8	1674.	8.621
257.	11.8	1675.	8.619
258.	11.87	1676.	8.56
259.	11.86	1677.	8.589
260.	11.89	1678.	8.537
261.	11.9	1679.	8.538
262.	11.92	1680.	8.524
263.	11.92	1681.	8.489
264.	11.97	1682.	8.444
265.	11.96	1683.	8.427
266.	12.01	1684.	8.438
267.	12.01	1685.	8.406
268.	12.04	1686.	8.414
269.	12.05	1687.	8.369
270.	12.07	1688.	8.356
271.	12.09	1689.	8.33
272.	12.09	1690.	8.342
273.	12.13	1691.	8.298
274.	12.16	1692.	8.319
275.	12.18	1693.	8.246
276.	12.18	1694.	8.245
277.	12.22	1695.	8.243
278.	12.24	1696.	8.217
279.	12.24	1697.	8.224
280.	12.25	1698.	8.232
281.	12.27	1699.	8.18
282.	12.29	1700.	8.174
283.	12.31	1701.	8.185
284.	12.34	1702.	8.171
285.	12.33	1703.	8.158
286.	12.37	1704.	8.151
287.	12.38	1705.	8.111
288.	12.38	1706.	8.062
289.	12.42	1707.	8.069
290.	12.43	1708.	8.044
291.	12.41	1709.	8.048
292.	12.43	1710.	8.041
293.	12.49	1711.	8.017
294.	12.5	1712.	7.974
295.	12.53	1713.	7.974
296.	12.54	1714.	8.005

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	12.55	1715.	7.964
298.	12.59	1716.	7.928
299.	12.63	1717.	7.949
300.	12.61	1718.	7.911
301.	12.63	1719.	7.918
302.	12.66	1720.	7.875
303.	12.68	1721.	7.898
304.	12.69	1722.	7.874
305.	12.71	1723.	7.843
306.	12.74	1724.	7.82
307.	12.69	1725.	7.802
308.	12.75	1726.	7.824
309.	12.79	1727.	7.805
310.	12.77	1728.	7.771
311.	12.79	1729.	7.777
312.	12.8	1730.	7.755
313.	12.87	1731.	7.765
314.	12.84	1732.	7.703
315.	12.85	1733.	7.742
316.	12.86	1734.	7.734
317.	12.9	1735.	7.696
318.	12.88	1736.	7.686
319.	12.9	1737.	7.646
320.	12.94	1738.	7.643
321.	12.97	1739.	7.624
322.	12.98	1740.	7.638
323.	12.98	1741.	7.636
324.	12.99	1742.	7.605
325.	13.03	1743.	7.578
326.	13.	1744.	7.576
327.	13.03	1745.	7.56
328.	13.04	1746.	7.533
329.	13.07	1747.	7.547
330.	13.05	1748.	7.544
331.	13.08	1749.	7.529
332.	13.13	1750.	7.508
333.	13.13	1751.	7.457
334.	13.12	1752.	7.488
335.	13.15	1753.	7.445
336.	13.16	1754.	7.431
337.	13.18	1755.	7.447
338.	13.18	1756.	7.407
339.	13.21	1757.	7.399
340.	13.23	1758.	7.39
341.	13.2	1759.	7.43
342.	13.27	1760.	7.372
343.	13.26	1761.	7.315
344.	13.28	1762.	7.344
345.	13.29	1763.	7.373
346.	13.3	1764.	7.345
347.	13.31	1765.	7.304
348.	13.34	1766.	7.287
349.	13.35	1767.	7.337
350.	13.4	1768.	7.315
351.	13.36	1769.	7.264
352.	13.39	1770.	7.264
353.	13.41	1771.	7.248
354.	13.45	1772.	7.26
355.	13.45	1773.	7.266
356.	13.46	1774.	7.237
357.	13.49	1775.	7.206
358.	13.48	1776.	7.193
359.	13.47	1777.	7.188
360.	13.54	1778.	7.161
361.	13.49	1779.	7.179
362.	13.5	1780.	7.159

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	13.52	1781.	7.141
364.	13.53	1782.	7.115
365.	13.56	1783.	7.111
366.	13.58	1784.	7.079
367.	13.57	1785.	7.078
368.	13.59	1786.	7.115
369.	13.58	1787.	7.073
370.	13.58	1788.	7.061
371.	13.54	1789.	7.075
372.	13.57	1790.	7.024
373.	13.6	1791.	7.033
374.	13.62	1792.	6.992
375.	13.61	1793.	7.005
376.	13.63	1794.	7.001
377.	13.63	1795.	6.953
378.	13.68	1796.	6.99
379.	13.66	1797.	6.959
380.	13.65	1798.	6.98
381.	13.65	1799.	6.956
382.	13.68	1800.	6.952
383.	13.67	1801.	6.951
384.	13.65	1802.	6.895
385.	13.67	1803.	6.902
386.	13.71	1804.	6.883
387.	13.66	1805.	6.889
388.	13.66	1806.	6.887
389.	13.69	1807.	6.869
390.	13.72	1808.	6.833
391.	13.71	1809.	6.824
392.	13.75	1810.	6.817
393.	13.72	1811.	6.829
394.	13.72	1812.	6.815
395.	13.71	1813.	6.834
396.	13.75	1814.	6.816
397.	13.72	1815.	6.778
398.	13.73	1816.	6.777
399.	13.79	1817.	6.796
400.	13.77	1818.	6.795
401.	13.78	1819.	6.73
402.	13.77	1820.	6.732
403.	13.8	1821.	6.711
404.	13.79	1822.	6.682
405.	13.81	1823.	6.717
406.	13.82	1824.	6.712
407.	13.83	1825.	6.701
408.	13.83	1826.	6.685
409.	13.84	1827.	6.643
410.	13.87	1828.	6.694
411.	13.87	1829.	6.649
412.	13.91	1830.	6.612
413.	13.9	1831.	6.636
414.	13.9	1832.	6.626
415.	13.91	1833.	6.629
416.	13.93	1834.	6.6
417.	13.95	1835.	6.638
418.	13.95	1836.	6.581
419.	13.95	1837.	6.586
420.	13.95	1838.	6.597
421.	13.97	1839.	6.555
422.	13.97	1840.	6.57
423.	13.97	1841.	6.563
424.	14.01	1842.	6.533
425.	14.02	1843.	6.513
426.	14.03	1844.	6.521
427.	14.03	1845.	6.514
428.	14.07	1846.	6.493

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	14.06	1847.	6.498
430.	14.09	1848.	6.459
431.	14.09	1849.	6.449
432.	14.07	1850.	6.469
433.	14.1	1851.	6.484
434.	14.11	1852.	6.493
435.	14.1	1853.	6.464
436.	14.12	1854.	6.436
437.	14.16	1855.	6.434
438.	14.21	1856.	6.411
439.	14.18	1857.	6.392
440.	14.19	1858.	6.403
441.	14.18	1859.	6.344
442.	14.19	1860.	6.378
443.	14.21	1861.	6.377
444.	14.21	1862.	6.361
445.	14.23	1863.	6.359
446.	14.26	1864.	6.329
447.	14.24	1865.	6.321
448.	14.29	1866.	6.313
449.	14.27	1867.	6.315
450.	14.29	1868.	6.306
451.	14.32	1869.	6.286
452.	14.29	1870.	6.302
453.	14.31	1871.	6.297
454.	14.31	1872.	6.257
455.	14.34	1873.	6.267
456.	14.34	1874.	6.27
457.	14.35	1875.	6.252
458.	14.37	1876.	6.248
459.	14.38	1877.	6.229
460.	14.34	1878.	6.208
461.	14.36	1879.	6.216
462.	14.38	1880.	6.217
463.	14.42	1881.	6.185
464.	14.43	1882.	6.2
465.	14.43	1883.	6.171
466.	14.47	1884.	6.193
467.	14.45	1885.	6.14
468.	14.45	1886.	6.148
469.	14.49	1887.	6.15
470.	14.51	1888.	6.128
471.	14.53	1889.	6.157
472.	14.49	1890.	6.128
473.	14.52	1891.	6.084
474.	14.53	1892.	6.113
475.	14.54	1893.	6.114
476.	14.52	1894.	6.064
477.	14.54	1895.	6.103
478.	14.56	1896.	6.056
479.	14.59	1897.	6.056
480.	14.58	1898.	6.044
481.	14.61	1899.	6.057
482.	14.62	1900.	6.023
483.	14.6	1901.	5.995
484.	14.6	1902.	6.028
485.	14.64	1903.	6.026
486.	14.61	1904.	6.033
487.	14.65	1905.	6.024
488.	14.68	1906.	6.047
489.	14.65	1907.	6.004
490.	14.67	1908.	5.989
491.	14.68	1909.	5.986
492.	14.73	1910.	5.989
493.	14.74	1911.	5.983
494.	14.75	1912.	5.954

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	14.7	1913.	5.963
496.	14.76	1914.	5.927
497.	14.76	1915.	5.911
498.	14.74	1916.	5.946
499.	14.79	1917.	5.953
500.	14.75	1918.	5.922
501.	14.78	1919.	5.894
502.	14.79	1920.	5.891
503.	14.8	1921.	5.883
504.	14.81	1922.	5.886
505.	14.81	1923.	5.912
506.	14.84	1924.	5.877
507.	14.83	1925.	5.853
508.	14.85	1926.	5.844
509.	14.85	1927.	5.856
510.	14.85	1928.	5.872
511.	14.88	1929.	5.854
512.	14.9	1930.	5.811
513.	14.9	1931.	5.816
514.	14.87	1932.	5.815
515.	14.89	1933.	5.779
516.	14.91	1934.	5.784
517.	14.93	1935.	5.83
518.	14.93	1936.	5.79
519.	14.94	1937.	5.799
520.	14.96	1938.	5.778
521.	14.95	1939.	5.782
522.	14.96	1940.	5.779
523.	14.97	1941.	5.771
524.	14.98	1942.	5.742
525.	15.	1943.	5.731
526.	15.01	1944.	5.741
527.	15.01	1945.	5.759
528.	15.04	1946.	5.737
529.	15.02	1947.	5.702
530.	15.03	1948.	5.715
531.	15.04	1949.	5.699
532.	15.07	1950.	5.666
533.	15.05	1951.	5.691
534.	15.06	1952.	5.696
535.	15.04	1953.	5.664
536.	15.07	1954.	5.668
537.	15.08	1955.	5.673
538.	15.12	1956.	5.677
539.	15.12	1957.	5.644
540.	15.13	1958.	5.658
541.	15.13	1959.	5.656
542.	15.12	1960.	5.614
543.	15.14	1961.	5.632
544.	15.16	1962.	5.617
545.	15.16	1963.	5.606
546.	15.13	1964.	5.595
547.	15.18	1965.	5.625
548.	15.19	1966.	5.571
549.	15.22	1967.	5.628
550.	15.19	1968.	5.604
551.	15.2	1969.	5.591
552.	15.23	1970.	5.572
553.	15.24	1971.	5.593
554.	15.23	1972.	5.557
555.	15.2	1973.	5.552
556.	15.24	1974.	5.544
557.	15.26	1975.	5.534
558.	15.22	1976.	5.51
559.	15.27	1977.	5.519
560.	15.3	1978.	5.561

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	15.32	1979.	5.497
562.	15.28	1980.	5.511
563.	15.31	1981.	5.501
564.	15.32	1982.	5.513
565.	15.28	1983.	5.498
566.	15.34	1984.	5.492
567.	15.33	1985.	5.462
568.	15.34	1986.	5.457
569.	15.34	1987.	5.452
570.	15.35	1988.	5.452
571.	15.36	1989.	5.453
572.	15.37	1990.	5.457
573.	15.36	1991.	5.445
574.	15.38	1992.	5.434
575.	15.4	1993.	5.417
576.	15.41	1994.	5.395
577.	15.44	1995.	5.403
578.	15.42	1996.	5.404
579.	15.42	1997.	5.43
580.	15.44	1998.	5.359
581.	15.46	1999.	5.407
582.	15.43	2000.	5.391
583.	15.45	2001.	5.389
584.	15.46	2002.	5.394
585.	15.5	2003.	5.346
586.	15.51	2004.	5.338
587.	15.45	2005.	5.319
588.	15.49	2006.	5.36
589.	15.52	2007.	5.35
590.	15.49	2008.	5.337
591.	15.52	2009.	5.324
592.	15.5	2010.	5.349
593.	15.51	2011.	5.344
594.	15.55	2012.	5.326
595.	15.55	2013.	5.293
596.	15.55	2014.	5.29
597.	15.54	2015.	5.268
598.	15.51	2016.	5.272
599.	15.57	2017.	5.271
600.	15.56	2018.	5.267
601.	15.59	2019.	5.271
602.	15.59	2020.	5.258
603.	15.59	2021.	5.267
604.	15.59	2022.	5.234
605.	15.62	2023.	5.246
606.	15.6	2024.	5.205
607.	15.61	2025.	5.215
608.	15.65	2026.	5.215
609.	15.62	2027.	5.225
610.	15.63	2028.	5.234
611.	15.66	2029.	5.229
612.	15.66	2030.	5.202
613.	15.66	2031.	5.218
614.	15.67	2032.	5.184
615.	15.67	2033.	5.203
616.	15.67	2034.	5.178
617.	15.69	2035.	5.194
618.	15.7	2036.	5.183
619.	15.73	2037.	5.175
620.	15.74	2038.	5.148
621.	15.71	2039.	5.168
622.	15.72	2040.	5.162
623.	15.72	2041.	5.157
624.	15.72	2042.	5.161
625.	15.74	2043.	5.15
626.	15.73	2044.	5.135

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	15.76	2045.	5.108
628.	15.77	2046.	5.112
629.	15.76	2047.	5.124
630.	15.74	2048.	5.101
631.	15.78	2049.	5.095
632.	15.78	2050.	5.107
633.	15.78	2051.	5.105
634.	15.79	2052.	5.089
635.	15.8	2053.	5.072
636.	15.8	2054.	5.077
637.	15.81	2055.	5.095
638.	15.83	2056.	5.07
639.	15.86	2057.	5.086
640.	15.82	2058.	5.062
641.	15.88	2059.	5.043
642.	15.86	2060.	5.054
643.	15.87	2061.	5.038
644.	15.87	2062.	5.022
645.	15.86	2063.	5.065
646.	15.91	2064.	5.043
647.	15.88	2065.	5.006
648.	15.88	2066.	4.999
649.	15.88	2067.	5.013
650.	15.91	2068.	5.007
651.	15.92	2069.	5.014
652.	15.9	2070.	4.985
653.	15.91	2071.	4.976
654.	15.97	2072.	5.008
655.	15.94	2073.	4.986
656.	15.94	2074.	4.987
657.	15.97	2075.	4.974
658.	15.95	2076.	4.952
659.	15.95	2077.	4.939
660.	15.98	2078.	4.976
661.	16.	2079.	4.985
662.	15.98	2080.	4.929
663.	15.99	2081.	4.964
664.	16.	2082.	4.964
665.	16.04	2083.	4.916
666.	16.02	2084.	4.923
667.	16.02	2085.	4.904
668.	16.	2086.	4.915
669.	16.04	2087.	4.897
670.	16.03	2088.	4.895
671.	16.06	2089.	4.901
672.	16.08	2090.	4.897
673.	16.03	2091.	4.898
674.	16.03	2092.	4.884
675.	16.05	2093.	4.876
676.	16.05	2094.	4.869
677.	16.06	2095.	4.853
678.	16.05	2096.	4.886
679.	16.08	2097.	4.872
680.	16.08	2098.	4.886
681.	16.09	2099.	4.866
682.	16.1	2100.	4.844
683.	16.11	2101.	4.832
684.	16.14	2102.	4.842
685.	16.09	2103.	4.841
686.	16.14	2104.	4.845
687.	16.14	2105.	4.854
688.	16.1	2106.	4.805
689.	16.14	2107.	4.807
690.	16.16	2108.	4.832
691.	16.16	2109.	4.814
692.	16.14	2110.	4.797

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	16.23	2111.	4.829
694.	16.19	2112.	4.782
695.	16.15	2113.	4.783
696.	16.19	2114.	4.801
697.	16.2	2115.	4.775
698.	16.19	2116.	4.751
699.	16.2	2117.	4.803
700.	16.22	2118.	4.761
701.	16.2	2119.	4.778
702.	16.24	2120.	4.763
703.	16.23	2121.	4.743
704.	16.26	2122.	4.759
705.	16.23	2123.	4.736
706.	16.24	2124.	4.702
707.	16.26	2125.	4.714
708.	16.29	2126.	4.746
709.	16.27	2127.	4.746
710.	16.28	2128.	4.724
711.	16.28	2129.	4.708
712.	16.29	2130.	4.72
713.	16.32	2131.	4.721
714.	16.32	2132.	4.7
715.	16.34	2133.	4.699
716.	16.31	2134.	4.69
717.	16.3	2135.	4.699
718.	16.34	2136.	4.694
719.	16.33	2137.	4.726
720.	16.35	2138.	4.691
721.	16.37	2139.	4.711
722.	16.34	2140.	4.655
723.	16.34	2141.	4.683
724.	16.31	2142.	4.668
725.	16.38	2143.	4.669
726.	16.35	2144.	4.671
727.	16.37	2145.	4.656
728.	16.39	2146.	4.648
729.	16.38	2147.	4.671
730.	16.43	2148.	4.619
731.	16.39	2149.	4.637
732.	16.41	2150.	4.601
733.	16.44	2151.	4.631
734.	16.44	2152.	4.589
735.	16.44	2153.	4.568
736.	16.42	2154.	4.605
737.	16.41	2155.	4.616
738.	16.44	2156.	4.613
739.	16.47	2157.	4.592
740.	16.46	2158.	4.608
741.	16.46	2159.	4.556
742.	16.48	2160.	4.581
743.	16.49	2161.	4.593
744.	16.52	2162.	4.597
745.	16.49	2163.	4.579
746.	16.5	2164.	4.57
747.	16.53	2165.	4.556
748.	16.53	2166.	4.547
749.	16.5	2167.	4.556
750.	16.53	2168.	4.582
751.	16.52	2169.	4.558
752.	16.54	2170.	4.563
753.	16.55	2171.	4.533
754.	16.53	2172.	4.555
755.	16.52	2173.	4.554
756.	16.55	2174.	4.525
757.	16.54	2175.	4.503
758.	16.57	2176.	4.497

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	16.57	2177.	4.496
760.	16.61	2178.	4.511
761.	16.57	2179.	4.519
762.	16.58	2180.	4.511
763.	16.59	2181.	4.478
764.	16.61	2182.	4.49
765.	16.59	2183.	4.481
766.	16.62	2184.	4.46
767.	16.63	2185.	4.479
768.	16.62	2186.	4.474
769.	16.63	2187.	4.494
770.	16.65	2188.	4.464
771.	16.65	2189.	4.476
772.	16.64	2190.	4.45
773.	16.67	2191.	4.484
774.	16.65	2192.	4.472
775.	16.65	2193.	4.452
776.	16.67	2194.	4.479
777.	16.65	2195.	4.471
778.	16.68	2196.	4.438
779.	16.67	2197.	4.446
780.	16.7	2198.	4.461
781.	16.72	2199.	4.429
782.	16.72	2200.	4.42
783.	16.71	2201.	4.453
784.	16.72	2202.	4.423
785.	16.7	2203.	4.414
786.	16.71	2204.	4.465
787.	16.74	2205.	4.392
788.	16.75	2206.	4.391
789.	16.78	2207.	4.408
790.	16.76	2208.	4.395
791.	16.77	2209.	4.417
792.	16.77	2210.	4.395
793.	16.76	2211.	4.396
794.	16.78	2212.	4.381
795.	16.75	2213.	4.382
796.	16.78	2214.	4.415
797.	16.79	2215.	4.358
798.	16.8	2216.	4.36
799.	16.8	2217.	4.344
800.	16.81	2218.	4.367
801.	16.8	2219.	4.359
802.	16.81	2220.	4.351
803.	16.81	2221.	4.365
804.	16.79	2222.	4.351
805.	16.83	2223.	4.346
806.	16.85	2224.	4.324
807.	16.87	2225.	4.343
808.	16.86	2226.	4.325
809.	16.79	2227.	4.368
810.	16.86	2228.	4.323
811.	16.88	2229.	4.351
812.	16.88	2230.	4.344
813.	16.86	2231.	4.315
814.	16.85	2232.	4.324
815.	16.89	2233.	4.318
816.	16.87	2234.	4.317
817.	16.88	2235.	4.335
818.	16.9	2236.	4.285
819.	16.91	2237.	4.294
820.	16.91	2238.	4.295
821.	16.92	2239.	4.31
822.	16.91	2240.	4.296
823.	16.92	2241.	4.303
824.	16.94	2242.	4.267

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	16.94	2243.	4.291
826.	16.92	2244.	4.283
827.	16.94	2245.	4.295
828.	16.9	2246.	4.275
829.	16.97	2247.	4.247
830.	16.95	2248.	4.265
831.	16.95	2249.	4.253
832.	16.98	2250.	4.283
833.	16.98	2251.	4.273
834.	16.99	2252.	4.237
835.	17.	2253.	4.241
836.	17.	2254.	4.217
837.	16.98	2255.	4.25
838.	16.98	2256.	4.214
839.	17.02	2257.	4.234
840.	17.01	2258.	4.25
841.	17.	2259.	4.212
842.	17.01	2260.	4.211
843.	17.03	2261.	4.208
844.	17.	2262.	4.257
845.	17.05	2263.	4.204
846.	17.01	2264.	4.239
847.	17.06	2265.	4.172
848.	17.08	2266.	4.228
849.	17.05	2267.	4.197
850.	17.07	2268.	4.184
851.	17.07	2269.	4.239
852.	17.05	2270.	4.22
853.	17.06	2271.	4.19
854.	17.09	2272.	4.195
855.	17.09	2273.	4.217
856.	17.06	2274.	4.175
857.	17.07	2275.	4.162
858.	17.09	2276.	4.168
859.	17.08	2277.	4.182
860.	17.11	2278.	4.191
861.	17.11	2279.	4.143
862.	17.13	2280.	4.161
863.	17.14	2281.	4.173
864.	17.12	2282.	4.15
865.	17.14	2283.	4.187
866.	17.08	2284.	4.147
867.	17.15	2285.	4.134
868.	17.15	2286.	4.167
869.	17.16	2287.	4.132
870.	17.14	2288.	4.148
871.	17.16	2289.	4.144
872.	17.14	2290.	4.149
873.	17.15	2291.	4.126
874.	17.2	2292.	4.126
875.	17.16	2293.	4.107
876.	17.19	2294.	4.084
877.	17.21	2295.	4.135
878.	17.22	2296.	4.115
879.	17.19	2297.	4.11
880.	17.22	2298.	4.087
881.	17.21	2299.	4.122
882.	17.18	2300.	4.102
883.	17.18	2301.	4.091
884.	17.23	2302.	4.069
885.	17.27	2303.	4.096
886.	17.23	2304.	4.065
887.	17.24	2305.	4.066
888.	17.23	2306.	4.096
889.	17.22	2307.	4.076
890.	17.23	2308.	4.065

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	17.28	2309.	4.11
892.	17.25	2310.	4.091
893.	17.24	2311.	4.03
894.	17.26	2312.	4.061
895.	17.29	2313.	4.049
896.	17.25	2314.	4.046
897.	17.27	2315.	4.032
898.	17.31	2316.	4.072
899.	17.29	2317.	4.068
900.	17.33	2318.	4.053
901.	17.29	2319.	4.039
902.	17.34	2320.	4.024
903.	17.31	2321.	4.03
904.	17.31	2322.	4.033
905.	17.33	2323.	4.029
906.	17.33	2324.	4.026
907.	17.32	2325.	4.021
908.	17.32	2326.	4.02
909.	17.34	2327.	3.988
910.	17.35	2328.	4.042
911.	17.33	2329.	4.004
912.	17.35	2330.	4.019
913.	17.32	2331.	4.017
914.	17.38	2332.	4.027
915.	17.38	2333.	3.974
916.	17.35	2334.	3.985
917.	17.37	2335.	3.992
918.	17.38	2336.	4.013
919.	17.41	2337.	3.991
920.	17.41	2338.	3.95
921.	17.42	2339.	3.985
922.	17.41	2340.	3.981
923.	17.39	2341.	3.983
924.	17.41	2342.	3.985
925.	17.43	2343.	3.967
926.	17.42	2344.	3.922
927.	17.45	2345.	3.966
928.	17.44	2346.	3.946
929.	17.47	2347.	3.947
930.	17.46	2348.	3.976
931.	17.45	2349.	3.934
932.	17.46	2350.	3.979
933.	17.47	2351.	3.939
934.	17.47	2352.	3.934
935.	17.46	2353.	3.944
936.	17.45	2354.	3.929
937.	17.51	2355.	3.911
938.	17.47	2356.	3.908
939.	17.46	2357.	3.941
940.	17.51	2358.	3.918
941.	17.49	2359.	3.947
942.	17.47	2360.	3.917
943.	17.49	2361.	3.92
944.	17.52	2362.	3.906
945.	17.53	2363.	3.936
946.	17.52	2364.	3.905
947.	17.49	2365.	3.926
948.	17.55	2366.	3.909
949.	17.53	2367.	3.911
950.	17.5	2368.	3.908
951.	17.52	2369.	3.917
952.	17.56	2370.	3.902
953.	17.58	2371.	3.907
954.	17.54	2372.	3.888
955.	17.55	2373.	3.88
956.	17.59	2374.	3.917

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	17.57	2375.	3.901
958.	17.58	2376.	3.883
959.	17.59	2377.	3.86
960.	17.6	2378.	3.889
961.	17.58	2379.	3.855
962.	17.58	2380.	3.855
963.	17.56	2381.	3.848
964.	17.59	2382.	3.872
965.	17.6	2383.	3.85
966.	17.59	2384.	3.85
967.	17.59	2385.	3.853
968.	17.62	2386.	3.879
969.	17.57	2387.	3.862
970.	17.61	2388.	3.835
971.	17.64	2389.	3.859
972.	17.64	2390.	3.843
973.	17.64	2391.	3.826
974.	17.64	2392.	3.821
975.	17.59	2393.	3.801
976.	17.66	2394.	3.837
977.	17.62	2395.	3.821
978.	17.65	2396.	3.821
979.	17.64	2397.	3.81
980.	17.68	2398.	3.823
981.	17.67	2399.	3.777
982.	17.65	2400.	3.819
983.	17.64	2401.	3.817
984.	17.69	2402.	3.81
985.	17.67	2403.	3.775
986.	17.68	2404.	3.801
987.	17.69	2405.	3.782
988.	17.74	2406.	3.801
989.	17.69	2407.	3.758
990.	17.72	2408.	3.794
991.	17.7	2409.	3.73
992.	17.72	2410.	3.763
993.	17.7	2411.	3.759
994.	17.7	2412.	3.772
995.	17.71	2413.	3.741
996.	17.74	2414.	3.777
997.	17.72	2415.	3.756
998.	17.74	2416.	3.764
999.	17.76	2417.	3.776
1000.	17.73	2418.	3.781
1001.	17.76	2419.	3.734
1002.	17.78	2420.	3.747
1003.	17.75	2421.	3.778
1004.	17.77	2422.	3.766
1005.	17.78	2423.	3.734
1006.	17.76	2424.	3.731
1007.	17.78	2425.	3.758
1008.	17.78	2426.	3.71
1009.	17.8	2427.	3.738
1010.	17.78	2428.	3.735
1011.	17.8	2429.	3.739
1012.	17.77	2430.	3.733
1013.	17.78	2431.	3.739
1014.	17.8	2432.	3.729
1015.	17.81	2433.	3.727
1016.	17.81	2434.	3.724
1017.	17.86	2435.	3.709
1018.	17.82	2436.	3.684
1019.	17.8	2437.	3.665
1020.	17.83	2438.	3.683
1021.	17.84	2439.	3.7
1022.	17.82	2440.	3.709

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	17.84	2441.	3.713
1024.	17.86	2442.	3.72
1025.	17.83	2443.	3.682
1026.	17.84	2444.	3.698
1027.	17.86	2445.	3.702
1028.	17.85	2446.	3.681
1029.	17.85	2447.	3.678
1030.	17.88	2448.	3.7
1031.	17.85	2449.	3.662
1032.	17.88	2450.	3.682
1033.	17.88	2451.	3.695
1034.	17.89	2452.	3.649
1035.	17.87	2453.	3.669
1036.	17.9	2454.	3.649
1037.	17.89	2455.	3.66
1038.	17.92	2456.	3.674
1039.	17.87	2457.	3.636
1040.	17.9	2458.	3.679
1041.	17.92	2459.	3.628
1042.	17.91	2460.	3.659
1043.	17.92	2461.	3.66
1044.	17.91	2462.	3.652
1045.	17.93	2463.	3.67
1046.	17.92	2464.	3.618
1047.	17.94	2465.	3.62
1048.	17.94	2466.	3.64
1049.	17.94	2467.	3.655
1050.	17.95	2468.	3.627
1051.	17.92	2469.	3.613
1052.	17.94	2470.	3.593
1053.	17.95	2471.	3.599
1054.	17.96	2472.	3.598
1055.	17.95	2473.	3.609
1056.	17.95	2474.	3.603
1057.	17.93	2475.	3.609
1058.	17.96	2476.	3.607
1059.	17.97	2477.	3.581
1060.	17.97	2478.	3.591
1061.	17.98	2479.	3.585
1062.	17.97	2480.	3.58
1063.	17.98	2481.	3.581
1064.	17.95	2482.	3.566
1065.	17.99	2483.	3.61
1066.	18.	2484.	3.613
1067.	17.97	2485.	3.583
1068.	17.98	2486.	3.596
1069.	18.01	2487.	3.612
1070.	18.05	2488.	3.573
1071.	18.02	2489.	3.597
1072.	18.03	2490.	3.582
1073.	17.99	2491.	3.585
1074.	18.02	2492.	3.552
1075.	18.05	2493.	3.559
1076.	18.07	2494.	3.566
1077.	18.03	2495.	3.56
1078.	18.05	2496.	3.548
1079.	18.06	2497.	3.556
1080.	18.06	2498.	3.544
1081.	18.1	2499.	3.538
1082.	18.06	2500.	3.541
1083.	18.06	2501.	3.575
1084.	18.09	2502.	3.555
1085.	18.08	2503.	3.544
1086.	18.05	2504.	3.527
1087.	18.06	2505.	3.535
1088.	18.07	2506.	3.54

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	18.07	2507.	3.514
1090.	18.06	2508.	3.529
1091.	18.08	2509.	3.496
1092.	18.09	2510.	3.536
1093.	18.08	2511.	3.529
1094.	18.11	2512.	3.534
1095.	18.09	2513.	3.518
1096.	18.12	2514.	3.503
1097.	18.12	2515.	3.482
1098.	18.1	2516.	3.492
1099.	18.09	2517.	3.513
1100.	18.12	2518.	3.476
1101.	18.11	2519.	3.494
1102.	18.12	2520.	3.47
1103.	18.13	2521.	3.482
1104.	18.15	2522.	3.478
1105.	18.16	2523.	3.477
1106.	18.15	2524.	3.49
1107.	18.15	2525.	3.493
1108.	18.17	2526.	3.483
1109.	18.15	2527.	3.469
1110.	18.14	2528.	3.449
1111.	18.14	2529.	3.476
1112.	18.17	2530.	3.482
1113.	18.18	2531.	3.457
1114.	18.19	2532.	3.454
1115.	18.17	2533.	3.43
1116.	18.19	2534.	3.476
1117.	18.17	2535.	3.458
1118.	18.18	2536.	3.464
1119.	18.23	2537.	3.473
1120.	18.18	2538.	3.455
1121.	18.23	2539.	3.435
1122.	18.21	2540.	3.458
1123.	18.18	2541.	3.423
1124.	18.19	2542.	3.436
1125.	18.22	2543.	3.443
1126.	18.25	2544.	3.414
1127.	18.25	2545.	3.43
1128.	18.24	2546.	3.434
1129.	18.19	2547.	3.443
1130.	18.25	2548.	3.426
1131.	18.24	2549.	3.429
1132.	18.25	2550.	3.426
1133.	18.27	2551.	3.438
1134.	18.25	2552.	3.434
1135.	18.24	2553.	3.413
1136.	18.21	2554.	3.427
1137.	18.25	2555.	3.425
1138.	18.26	2556.	3.404
1139.	18.28	2557.	3.401
1140.	18.28	2558.	3.393
1141.	18.25	2559.	3.398
1142.	18.27	2560.	3.353
1143.	18.29	2561.	3.406
1144.	18.28	2562.	3.388
1145.	18.26	2563.	3.395
1146.	18.3	2564.	3.397
1147.	18.29	2565.	3.38
1148.	18.3	2566.	3.383
1149.	18.26	2567.	3.401
1150.	18.28	2568.	3.372
1151.	18.27	2569.	3.392
1152.	18.31	2570.	3.384
1153.	18.29	2571.	3.397
1154.	18.3	2572.	3.365

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	18.33	2573.	3.359
1156.	18.29	2574.	3.347
1157.	18.31	2575.	3.364
1158.	18.34	2576.	3.356
1159.	18.31	2577.	3.329
1160.	18.32	2578.	3.331
1161.	18.33	2579.	3.356
1162.	18.32	2580.	3.33
1163.	18.37	2581.	3.328
1164.	18.36	2582.	3.342
1165.	18.36	2583.	3.323
1166.	18.36	2584.	3.348
1167.	18.36	2585.	3.338
1168.	18.36	2586.	3.343
1169.	18.36	2587.	3.318
1170.	18.34	2588.	3.318
1171.	18.37	2589.	3.331
1172.	18.33	2590.	3.317
1173.	18.4	2591.	3.287
1174.	18.39	2592.	3.3
1175.	18.38	2593.	3.323
1176.	18.38	2594.	3.348
1177.	18.38	2595.	3.335
1178.	18.39	2596.	3.283
1179.	18.37	2597.	3.328
1180.	18.35	2598.	3.328
1181.	18.37	2599.	3.304
1182.	18.32	2600.	3.274
1183.	18.27	2601.	3.292
1184.	18.22	2602.	3.309
1185.	18.16	2603.	3.308
1186.	18.12	2604.	3.319
1187.	18.06	2605.	3.298
1188.	17.99	2606.	3.296
1189.	17.94	2607.	3.283
1190.	17.92	2608.	3.291
1191.	17.87	2609.	3.275
1192.	17.82	2610.	3.258
1193.	17.75	2611.	3.278
1194.	17.68	2612.	3.284
1195.	17.66	2613.	3.265
1196.	17.57	2614.	3.301
1197.	17.59	2615.	3.281
1198.	17.53	2616.	3.292
1199.	17.51	2617.	3.24
1200.	17.46	2618.	3.276
1201.	17.44	2619.	3.265
1202.	17.44	2620.	3.233
1203.	17.38	2621.	3.253
1204.	17.33	2622.	3.301
1205.	17.32	2623.	3.276
1206.	17.3	2624.	3.25
1207.	17.25	2625.	3.247
1208.	17.23	2626.	3.258
1209.	17.22	2627.	3.239
1210.	17.17	2628.	3.25
1211.	17.17	2629.	3.242
1212.	17.13	2630.	3.251
1213.	17.13	2631.	3.228
1214.	17.13	2632.	3.251
1215.	17.09	2633.	3.25
1216.	17.06	2634.	3.212
1217.	17.03	2635.	3.24
1218.	17.03	2636.	3.243
1219.	17.01	2637.	3.224
1220.	16.97	2638.	3.19

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	16.94	2639.	3.192
1222.	16.93	2640.	3.223
1223.	16.92	2641.	3.189
1224.	16.9	2642.	3.226
1225.	16.92	2643.	3.219
1226.	16.9	2644.	3.237
1227.	16.92	2645.	3.188
1228.	16.92	2646.	3.2
1229.	16.99	2647.	3.222
1230.	17.	2648.	3.188
1231.	17.02	2649.	3.202
1232.	17.06	2650.	3.176
1233.	17.08	2651.	3.195
1234.	17.15	2652.	3.18
1235.	17.12	2653.	3.193
1236.	17.19	2654.	3.201
1237.	17.21	2655.	3.187
1238.	17.27	2656.	3.188
1239.	17.3	2657.	3.194
1240.	17.32	2658.	3.173
1241.	17.39	2659.	3.196
1242.	17.38	2660.	3.148
1243.	17.44	2661.	3.178
1244.	17.42	2662.	3.176
1245.	17.48	2663.	3.196
1246.	17.49	2664.	3.169
1247.	17.5	2665.	3.163
1248.	17.56	2666.	3.149
1249.	17.56	2667.	3.157
1250.	17.59	2668.	3.16
1251.	17.63	2669.	3.172
1252.	17.6	2670.	3.144
1253.	17.67	2671.	3.146
1254.	17.64	2672.	3.133
1255.	17.69	2673.	3.149
1256.	17.72	2674.	3.128
1257.	17.73	2675.	3.142
1258.	17.75	2676.	3.151
1259.	17.76	2677.	3.139
1260.	17.82	2678.	3.134
1261.	17.81	2679.	3.116
1262.	17.82	2680.	3.088
1263.	17.82	2681.	3.127
1264.	17.83	2682.	3.154
1265.	17.88	2683.	3.142
1266.	17.88	2684.	3.114
1267.	17.88	2685.	3.111
1268.	17.88	2686.	3.11
1269.	17.95	2687.	3.118
1270.	17.95	2688.	3.133
1271.	17.93	2689.	3.1
1272.	17.97	2690.	3.109
1273.	17.97	2691.	3.133
1274.	17.97	2692.	3.103
1275.	18.	2693.	3.12
1276.	18.01	2694.	3.088
1277.	18.03	2695.	3.113
1278.	18.02	2696.	3.083
1279.	18.04	2697.	3.074
1280.	18.1	2698.	3.091
1281.	18.05	2699.	3.064
1282.	18.07	2700.	3.103
1283.	18.08	2701.	3.065
1284.	18.11	2702.	3.06
1285.	18.1	2703.	3.087
1286.	18.1	2704.	3.077

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	18.14	2705.	3.095
1288.	18.15	2706.	3.021
1289.	18.15	2707.	3.099
1290.	18.13	2708.	3.051
1291.	18.14	2709.	3.057
1292.	18.17	2710.	3.075
1293.	18.16	2711.	3.06
1294.	18.16	2712.	3.042
1295.	18.17	2713.	3.029
1296.	18.23	2714.	3.07
1297.	18.18	2715.	3.037
1298.	18.21	2716.	3.033
1299.	18.2	2717.	3.028
1300.	18.23	2718.	3.037
1301.	18.21	2719.	3.034
1302.	18.24	2720.	3.041
1303.	18.23	2721.	3.068
1304.	18.22	2722.	3.038
1305.	18.24	2723.	3.043
1306.	18.25	2724.	3.03
1307.	18.26	2725.	3.026
1308.	18.28	2726.	3.019
1309.	18.27	2727.	3.035
1310.	18.27	2728.	3.025
1311.	18.31	2729.	3.03
1312.	18.3	2730.	3.029
1313.	18.32	2731.	3.021
1314.	18.32	2732.	3.02
1315.	18.3	2733.	3.043
1316.	18.31	2734.	3.017
1317.	18.33	2735.	3.012
1318.	18.32	2736.	3.038
1319.	18.32	2737.	3.034
1320.	18.35	2738.	3.034
1321.	18.35	2739.	3.009
1322.	18.35	2740.	2.973
1323.	18.35	2741.	3.024
1324.	18.38	2742.	3.02
1325.	18.35	2743.	3.
1326.	18.39	2744.	3.002
1327.	18.38	2745.	2.975
1328.	18.39	2746.	3.
1329.	18.39	2747.	2.987
1330.	18.42	2748.	2.967
1331.	18.44	2749.	2.988
1332.	18.4	2750.	2.971
1333.	18.42	2751.	2.974
1334.	18.43	2752.	2.964
1335.	18.43	2753.	3.015
1336.	18.47	2754.	2.971
1337.	18.45	2755.	2.989
1338.	18.41	2756.	2.98
1339.	18.47	2757.	2.976
1340.	18.47	2758.	2.959
1341.	18.49	2759.	2.966
1342.	18.49	2760.	2.938
1343.	18.47	2761.	2.952
1344.	18.47	2762.	2.976
1345.	18.52	2763.	2.975
1346.	18.52	2764.	2.927
1347.	18.52	2765.	2.936
1348.	18.53	2766.	2.937
1349.	18.55	2767.	2.943
1350.	18.51	2768.	2.929
1351.	18.54	2769.	2.95
1352.	18.54	2770.	2.963

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	18.53	2771.	2.953
1354.	18.54	2772.	2.978
1355.	18.54	2773.	2.92
1356.	18.53	2774.	2.923
1357.	18.57	2775.	2.924
1358.	18.56	2776.	2.944
1359.	18.57	2777.	2.943
1360.	18.57	2778.	2.896
1361.	18.58	2779.	2.921
1362.	18.58	2780.	2.868
1363.	18.6	2781.	2.925
1364.	18.6	2782.	2.894
1365.	18.61	2783.	2.921
1366.	18.62	2784.	2.916
1367.	18.64	2785.	2.921
1368.	18.63	2786.	2.933
1369.	18.63	2787.	2.867
1370.	18.61	2788.	2.876
1371.	18.62	2789.	2.91
1372.	18.65	2790.	2.913
1373.	18.66	2791.	2.902
1374.	18.64	2792.	2.892
1375.	18.63	2793.	2.902
1376.	18.68	2794.	2.907
1377.	18.65	2795.	2.901
1378.	18.67	2796.	2.914
1379.	18.71	2797.	2.894
1380.	18.65	2798.	2.884
1381.	18.67	2799.	2.868
1382.	18.69	2800.	2.886
1383.	18.68	2801.	2.908
1384.	18.69	2802.	2.903
1385.	18.7	2803.	2.866
1386.	18.69	2804.	2.872
1387.	18.71	2805.	2.867
1388.	18.7	2806.	2.878
1389.	18.74	2807.	2.87
1390.	18.75	2808.	2.893
1391.	18.72	2809.	2.842
1392.	18.71	2810.	2.852
1393.	18.74	2811.	2.871
1394.	18.74	2812.	2.867
1395.	18.78	2813.	2.862
1396.	18.75	2814.	2.884
1397.	18.77	2815.	2.858
1398.	18.73	2816.	2.834
1399.	18.78	2817.	2.882
1400.	18.76	2818.	2.842
1401.	18.75	2819.	2.87
1402.	18.77	2820.	2.878
1403.	18.79	2821.	2.873
1404.	18.8	2822.	2.86
1405.	18.79	2823.	2.838
1406.	18.78	2824.	2.86
1407.	18.81	2825.	2.83
1408.	18.84	2826.	2.866
1409.	18.79	2827.	2.838
1410.	18.8	2828.	2.845
1411.	18.81	2829.	2.822
1412.	18.79	2830.	2.85
1413.	18.8	2831.	2.811
1414.	18.83	2832.	2.828
1415.	18.84	2833.	2.842
1416.	18.81	2834.	2.878
1417.	18.85	2835.	2.85
1418.	18.86		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1299.9	ft^2/day
S	0.0001	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.25 ft/day (0.005732 cm/sec)
Ss = S/b = 1.251E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1271.	2.847	+/- 5.583	446.4	ft^2/day
S	6.675E-5	4.393E-7	+/- 8.615E-7	152.	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.89 ft/day (0.005605 cm/sec)
Ss = S/b = 8.344E-7 1/ft

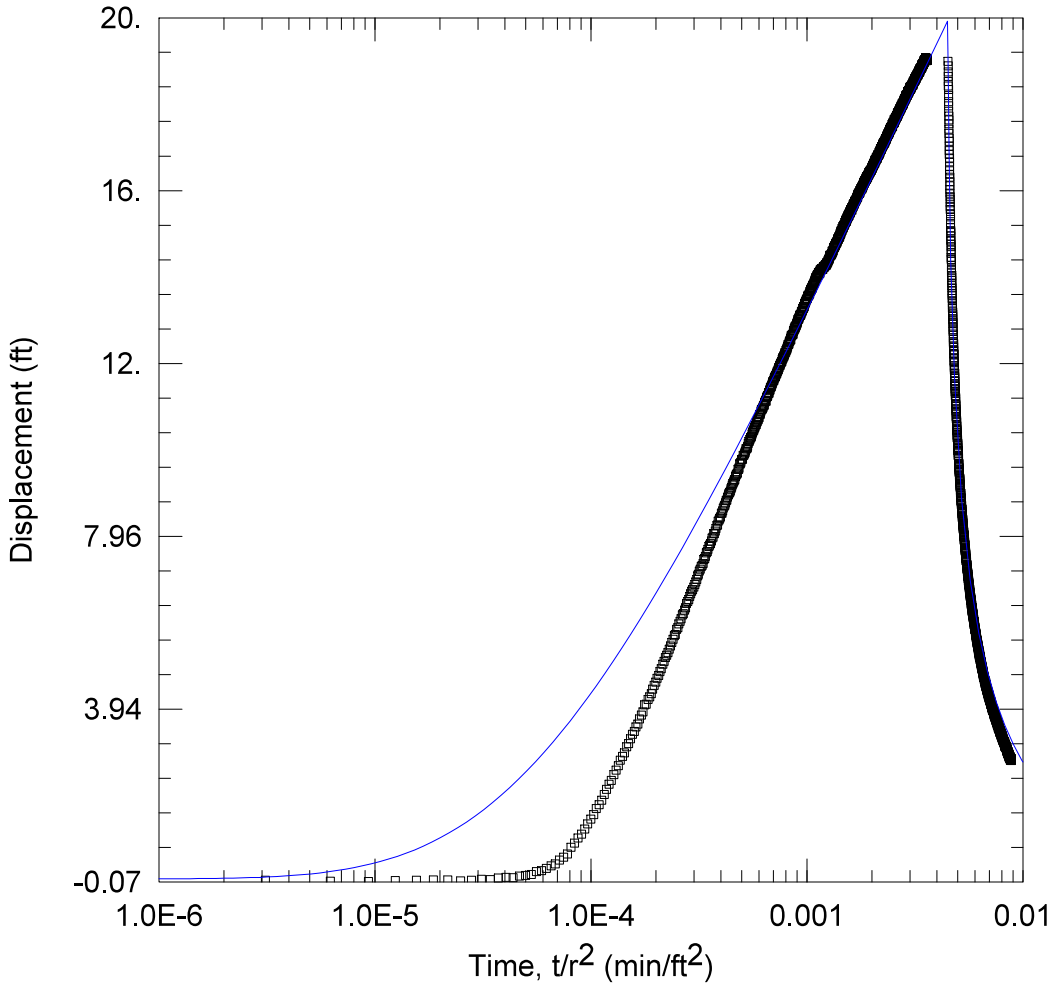
Parameter Correlations

	T	S
T	1.00	-0.87
S	-0.87	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 795.1 ft^2
Variance . . . . . 0.2807 ft^2
Std. Deviation . . . . . 0.5298 ft
Mean . . . . . -0.1241 ft
No. of Residuals 2835
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW14.aqt
Date: 04/11/25 Time: 12:05:41

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW14	702	508

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1261.1 ft^2/day
S = 6.163E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:42:33

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW14

X Location: 702. ft
Y Location: 508. ft

Radial distance from BM 1B: 566.6462741 ft
Radial distance from BM2A: 905.6765427 ft
Radial distance from BM3: 215.7452201 ft
Radial distance from BM 4 : 349.2849839 ft
Radial distance from BM5: 614.6909793 ft
Radial distance from BM 6: 854.2037228 ft
Radial distance from BM7: 1088.606449 ft
Radial distance from BM9: 1670.844397 ft

Fully Penetrating Well

No. of Observations: 2559

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.03489	1564.	11.27
2.	-0.05585	1565.	11.22
3.	-0.06213	1566.	11.19
4.	-0.03926	1567.	11.16
5.	-0.03394	1568.	11.15
6.	-0.02517	1569.	11.1
7.	-0.02308	1570.	11.04
8.	-0.0507	1571.	11.02
9.	-0.03587	1572.	11.
10.	-0.01376	1573.	10.97
11.	-0.016	1574.	10.92
12.	0.0211	1575.	10.92
13.	0.03555	1576.	10.87
14.	0.0242	1577.	10.86
15.	0.06631	1578.	10.82
16.	0.07902	1579.	10.74
17.	0.09774	1580.	10.74
18.	0.1676	1581.	10.73
19.	0.1897	1582.	10.69
20.	0.2395	1583.	10.66
21.	0.3014	1584.	10.64
22.	0.3499	1585.	10.61
23.	0.4365	1586.	10.6
24.	0.5049	1587.	10.51
25.	0.5799	1588.	10.52
26.	0.7296	1589.	10.45
27.	0.8286	1590.	10.44
28.	0.9517	1591.	10.41
29.	1.034	1592.	10.4
30.	1.155	1593.	10.36
31.	1.277	1594.	10.31
32.	1.388	1595.	10.31

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.493	1596.	10.28
34.	1.636	1597.	10.25
35.	1.724	1598.	10.24
36.	1.829	1599.	10.21
37.	1.96	1600.	10.18
38.	2.075	1601.	10.15
39.	2.198	1602.	10.1
40.	2.285	1603.	10.11
41.	2.419	1604.	10.11
42.	2.526	1605.	10.07
43.	2.626	1606.	10.03
44.	2.753	1607.	9.992
45.	2.841	1608.	9.946
46.	2.926	1609.	9.955
47.	3.07	1610.	9.939
48.	3.142	1611.	9.943
49.	3.25	1612.	9.891
50.	3.353	1613.	9.829
51.	3.427	1614.	9.846
52.	3.526	1615.	9.8
53.	3.592	1616.	9.79
54.	3.714	1617.	9.762
55.	3.799	1618.	9.761
56.	3.874	1619.	9.701
57.	4.039	1620.	9.649
58.	4.057	1621.	9.648
59.	4.168	1622.	9.656
60.	4.226	1623.	9.623
61.	4.303	1624.	9.578
62.	4.408	1625.	9.541
63.	4.493	1626.	9.547
64.	4.566	1627.	9.507
65.	4.66	1628.	9.494
66.	4.725	1629.	9.481
67.	4.814	1630.	9.449
68.	4.884	1631.	9.435
69.	4.986	1632.	9.422
70.	5.049	1633.	9.381
71.	5.14	1634.	9.374
72.	5.19	1635.	9.355
73.	5.253	1636.	9.343
74.	5.335	1637.	9.313
75.	5.41	1638.	9.294
76.	5.487	1639.	9.282
77.	5.565	1640.	9.258
78.	5.646	1641.	9.235
79.	5.674	1642.	9.214
80.	5.798	1643.	9.177
81.	5.828	1644.	9.145
82.	5.92	1645.	9.166
83.	5.98	1646.	9.136
84.	6.039	1647.	9.119
85.	6.128	1648.	9.093
86.	6.158	1649.	9.09
87.	6.24	1650.	9.07
88.	6.292	1651.	9.028
89.	6.399	1652.	9.015
90.	6.443	1653.	8.972
91.	6.483	1654.	8.958
92.	6.56	1655.	8.944
93.	6.618	1656.	8.961
94.	6.683	1657.	8.911
95.	6.716	1658.	8.902
96.	6.777	1659.	8.868
97.	6.834	1660.	8.853
98.	6.894	1661.	8.852

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	6.958	1662.	8.814
100.	7.033	1663.	8.781
101.	7.075	1664.	8.772
102.	7.145	1665.	8.765
103.	7.191	1666.	8.752
104.	7.253	1667.	8.725
105.	7.282	1668.	8.726
106.	7.323	1669.	8.695
107.	7.417	1670.	8.687
108.	7.441	1671.	8.67
109.	7.488	1672.	8.586
110.	7.568	1673.	8.607
111.	7.601	1674.	8.594
112.	7.654	1675.	8.588
113.	7.721	1676.	8.556
114.	7.753	1677.	8.58
115.	7.787	1678.	8.541
116.	7.848	1679.	8.522
117.	7.912	1680.	8.487
118.	7.932	1681.	8.468
119.	8.02	1682.	8.49
120.	8.019	1683.	8.443
121.	8.073	1684.	8.408
122.	8.139	1685.	8.419
123.	8.206	1686.	8.384
124.	8.22	1687.	8.389
125.	8.304	1688.	8.35
126.	8.335	1689.	8.357
127.	8.371	1690.	8.337
128.	8.405	1691.	8.319
129.	8.491	1692.	8.3
130.	8.495	1693.	8.285
131.	8.549	1694.	8.267
132.	8.613	1695.	8.254
133.	8.654	1696.	8.217
134.	8.68	1697.	8.208
135.	8.729	1698.	8.222
136.	8.783	1699.	8.191
137.	8.797	1700.	8.157
138.	8.866	1701.	8.176
139.	8.915	1702.	8.148
140.	8.953	1703.	8.131
141.	8.977	1704.	8.134
142.	9.005	1705.	8.118
143.	9.06	1706.	8.088
144.	9.098	1707.	8.059
145.	9.149	1708.	8.056
146.	9.188	1709.	8.056
147.	9.212	1710.	8.025
148.	9.247	1711.	7.995
149.	9.272	1712.	7.999
150.	9.338	1713.	7.987
151.	9.383	1714.	7.987
152.	9.402	1715.	7.958
153.	9.427	1716.	7.958
154.	9.515	1717.	7.941
155.	9.517	1718.	7.918
156.	9.545	1719.	7.896
157.	9.644	1720.	7.865
158.	9.642	1721.	7.872
159.	9.678	1722.	7.866
160.	9.74	1723.	7.846
161.	9.743	1724.	7.816
162.	9.75	1725.	7.82
163.	9.832	1726.	7.752
164.	9.839	1727.	7.791

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	9.874	1728.	7.776
166.	9.903	1729.	7.763
167.	9.936	1730.	7.76
168.	9.992	1731.	7.755
169.	9.988	1732.	7.745
170.	10.01	1733.	7.682
171.	10.05	1734.	7.69
172.	10.11	1735.	7.654
173.	10.16	1736.	7.677
174.	10.16	1737.	7.627
175.	10.2	1738.	7.644
176.	10.25	1739.	7.618
177.	10.25	1740.	7.612
178.	10.28	1741.	7.601
179.	10.33	1742.	7.581
180.	10.37	1743.	7.597
181.	10.4	1744.	7.554
182.	10.42	1745.	7.559
183.	10.45	1746.	7.551
184.	10.48	1747.	7.546
185.	10.5	1748.	7.517
186.	10.54	1749.	7.488
187.	10.56	1750.	7.462
188.	10.6	1751.	7.463
189.	10.62	1752.	7.431
190.	10.66	1753.	7.448
191.	10.67	1754.	7.436
192.	10.71	1755.	7.427
193.	10.72	1756.	7.424
194.	10.79	1757.	7.385
195.	10.79	1758.	7.384
196.	10.81	1759.	7.396
197.	10.87	1760.	7.377
198.	10.91	1761.	7.365
199.	10.91	1762.	7.365
200.	10.92	1763.	7.352
201.	10.95	1764.	7.301
202.	10.99	1765.	7.297
203.	11.	1766.	7.299
204.	11.01	1767.	7.301
205.	11.06	1768.	7.285
206.	11.09	1769.	7.246
207.	11.12	1770.	7.257
208.	11.1	1771.	7.229
209.	11.19	1772.	7.198
210.	11.21	1773.	7.201
211.	11.21	1774.	7.233
212.	11.24	1775.	7.191
213.	11.28	1776.	7.188
214.	11.3	1777.	7.15
215.	11.28	1778.	7.153
216.	11.34	1779.	7.132
217.	11.37	1780.	7.134
218.	11.41	1781.	7.129
219.	11.43	1782.	7.133
220.	11.44	1783.	7.116
221.	11.47	1784.	7.087
222.	11.5	1785.	7.085
223.	11.54	1786.	7.083
224.	11.55	1787.	7.072
225.	11.58	1788.	7.036
226.	11.58	1789.	7.03
227.	11.62	1790.	7.036
228.	11.65	1791.	7.017
229.	11.67	1792.	7.007
230.	11.67	1793.	7.011

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	11.7	1794.	6.968
232.	11.73	1795.	6.965
233.	11.74	1796.	6.97
234.	11.78	1797.	6.919
235.	11.79	1798.	6.953
236.	11.82	1799.	6.911
237.	11.83	1800.	6.917
238.	11.87	1801.	6.923
239.	11.88	1802.	6.874
240.	11.93	1803.	6.897
241.	11.92	1804.	6.87
242.	11.96	1805.	6.874
243.	11.98	1806.	6.856
244.	11.99	1807.	6.834
245.	12.02	1808.	6.837
246.	12.02	1809.	6.836
247.	12.07	1810.	6.831
248.	12.1	1811.	6.83
249.	12.08	1812.	6.803
250.	12.12	1813.	6.797
251.	12.13	1814.	6.758
252.	12.16	1815.	6.774
253.	12.18	1816.	6.769
254.	12.2	1817.	6.76
255.	12.23	1818.	6.722
256.	12.23	1819.	6.746
257.	12.27	1820.	6.734
258.	12.29	1821.	6.718
259.	12.29	1822.	6.694
260.	12.32	1823.	6.684
261.	12.35	1824.	6.669
262.	12.37	1825.	6.643
263.	12.41	1826.	6.648
264.	12.41	1827.	6.656
265.	12.43	1828.	6.643
266.	12.47	1829.	6.633
267.	12.49	1830.	6.618
268.	12.5	1831.	6.608
269.	12.52	1832.	6.6
270.	12.56	1833.	6.572
271.	12.52	1834.	6.575
272.	12.61	1835.	6.563
273.	12.61	1836.	6.551
274.	12.63	1837.	6.572
275.	12.64	1838.	6.551
276.	12.64	1839.	6.53
277.	12.66	1840.	6.537
278.	12.7	1841.	6.529
279.	12.74	1842.	6.5
280.	12.74	1843.	6.51
281.	12.79	1844.	6.471
282.	12.76	1845.	6.491
283.	12.82	1846.	6.478
284.	12.8	1847.	6.465
285.	12.84	1848.	6.479
286.	12.85	1849.	6.471
287.	12.86	1850.	6.469
288.	12.88	1851.	6.411
289.	12.91	1852.	6.427
290.	12.91	1853.	6.418
291.	12.95	1854.	6.391
292.	12.99	1855.	6.376
293.	13.	1856.	6.362
294.	13.01	1857.	6.386
295.	13.01	1858.	6.384
296.	13.05	1859.	6.353

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	13.06	1860.	6.361
298.	13.09	1861.	6.351
299.	13.11	1862.	6.307
300.	13.09	1863.	6.335
301.	13.11	1864.	6.299
302.	13.13	1865.	6.299
303.	13.18	1866.	6.297
304.	13.16	1867.	6.284
305.	13.19	1868.	6.28
306.	13.2	1869.	6.233
307.	13.26	1870.	6.246
308.	13.26	1871.	6.254
309.	13.25	1872.	6.232
310.	13.3	1873.	6.261
311.	13.29	1874.	6.229
312.	13.3	1875.	6.203
313.	13.34	1876.	6.199
314.	13.37	1877.	6.18
315.	13.36	1878.	6.184
316.	13.39	1879.	6.202
317.	13.39	1880.	6.19
318.	13.42	1881.	6.182
319.	13.45	1882.	6.147
320.	13.45	1883.	6.163
321.	13.46	1884.	6.15
322.	13.48	1885.	6.143
323.	13.49	1886.	6.15
324.	13.53	1887.	6.106
325.	13.54	1888.	6.145
326.	13.56	1889.	6.12
327.	13.56	1890.	6.097
328.	13.56	1891.	6.083
329.	13.57	1892.	6.098
330.	13.61	1893.	6.057
331.	13.59	1894.	6.088
332.	13.65	1895.	6.064
333.	13.66	1896.	6.042
334.	13.67	1897.	6.033
335.	13.69	1898.	6.034
336.	13.7	1899.	6.02
337.	13.69	1900.	6.027
338.	13.72	1901.	6.008
339.	13.74	1902.	6.015
340.	13.72	1903.	5.991
341.	13.78	1904.	5.982
342.	13.77	1905.	5.982
343.	13.79	1906.	5.94
344.	13.81	1907.	5.969
345.	13.81	1908.	5.977
346.	13.83	1909.	5.946
347.	13.86	1910.	5.962
348.	13.88	1911.	5.973
349.	13.88	1912.	5.94
350.	13.89	1913.	5.911
351.	13.91	1914.	5.907
352.	13.94	1915.	5.9
353.	13.96	1916.	5.897
354.	13.96	1917.	5.917
355.	13.97	1918.	5.884
356.	13.98	1919.	5.838
357.	13.98	1920.	5.853
358.	14.02	1921.	5.867
359.	14.03	1922.	5.804
360.	14.02	1923.	5.851
361.	14.04	1924.	5.837
362.	14.03	1925.	5.847

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	14.08	1926.	5.807
364.	14.06	1927.	5.807
365.	14.05	1928.	5.808
366.	14.06	1929.	5.795
367.	14.1	1930.	5.778
368.	14.08	1931.	5.798
369.	14.07	1932.	5.796
370.	14.14	1933.	5.793
371.	14.15	1934.	5.787
372.	14.13	1935.	5.797
373.	14.13	1936.	5.758
374.	14.16	1937.	5.734
375.	14.16	1938.	5.758
376.	14.17	1939.	5.747
377.	14.17	1940.	5.729
378.	14.17	1941.	5.722
379.	14.18	1942.	5.714
380.	14.17	1943.	5.685
381.	14.16	1944.	5.714
382.	14.19	1945.	5.714
383.	14.22	1946.	5.699
384.	14.2	1947.	5.664
385.	14.21	1948.	5.667
386.	14.21	1949.	5.673
387.	14.23	1950.	5.644
388.	14.23	1951.	5.648
389.	14.23	1952.	5.66
390.	14.25	1953.	5.662
391.	14.24	1954.	5.615
392.	14.26	1955.	5.637
393.	14.25	1956.	5.599
394.	14.27	1957.	5.611
395.	14.26	1958.	5.605
396.	14.29	1959.	5.599
397.	14.31	1960.	5.578
398.	14.28	1961.	5.592
399.	14.31	1962.	5.557
400.	14.32	1963.	5.543
401.	14.32	1964.	5.543
402.	14.34	1965.	5.578
403.	14.37	1966.	5.562
404.	14.37	1967.	5.534
405.	14.39	1968.	5.537
406.	14.39	1969.	5.516
407.	14.41	1970.	5.527
408.	14.42	1971.	5.498
409.	14.44	1972.	5.532
410.	14.46	1973.	5.51
411.	14.49	1974.	5.476
412.	14.48	1975.	5.486
413.	14.48	1976.	5.516
414.	14.49	1977.	5.482
415.	14.5	1978.	5.471
416.	14.5	1979.	5.471
417.	14.52	1980.	5.476
418.	14.51	1981.	5.466
419.	14.52	1982.	5.458
420.	14.54	1983.	5.448
421.	14.58	1984.	5.423
422.	14.55	1985.	5.439
423.	14.58	1986.	5.398
424.	14.58	1987.	5.403
425.	14.6	1988.	5.397
426.	14.63	1989.	5.404
427.	14.66	1990.	5.397
428.	14.65	1991.	5.426

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	14.65	1992.	5.403
430.	14.69	1993.	5.38
431.	14.66	1994.	5.402
432.	14.68	1995.	5.363
433.	14.71	1996.	5.378
434.	14.71	1997.	5.368
435.	14.71	1998.	5.345
436.	14.76	1999.	5.326
437.	14.74	2000.	5.305
438.	14.75	2001.	5.34
439.	14.76	2002.	5.321
440.	14.78	2003.	5.308
441.	14.79	2004.	5.315
442.	14.79	2005.	5.298
443.	14.8	2006.	5.33
444.	14.81	2007.	5.283
445.	14.84	2008.	5.306
446.	14.87	2009.	5.295
447.	14.85	2010.	5.265
448.	14.86	2011.	5.259
449.	14.86	2012.	5.246
450.	14.91	2013.	5.26
451.	14.9	2014.	5.262
452.	14.89	2015.	5.232
453.	14.9	2016.	5.241
454.	14.91	2017.	5.211
455.	14.94	2018.	5.211
456.	14.93	2019.	5.213
457.	14.96	2020.	5.229
458.	14.99	2021.	5.193
459.	14.97	2022.	5.174
460.	15.	2023.	5.228
461.	15.03	2024.	5.173
462.	15.	2025.	5.213
463.	15.05	2026.	5.195
464.	15.05	2027.	5.182
465.	15.07	2028.	5.154
466.	15.05	2029.	5.156
467.	15.07	2030.	5.126
468.	15.11	2031.	5.157
469.	15.12	2032.	5.163
470.	15.11	2033.	5.168
471.	15.12	2034.	5.176
472.	15.15	2035.	5.14
473.	15.12	2036.	5.137
474.	15.16	2037.	5.132
475.	15.17	2038.	5.132
476.	15.18	2039.	5.117
477.	15.18	2040.	5.116
478.	15.19	2041.	5.084
479.	15.18	2042.	5.088
480.	15.2	2043.	5.091
481.	15.2	2044.	5.105
482.	15.24	2045.	5.064
483.	15.24	2046.	5.074
484.	15.26	2047.	5.053
485.	15.26	2048.	5.064
486.	15.3	2049.	5.042
487.	15.28	2050.	5.038
488.	15.3	2051.	5.06
489.	15.32	2052.	5.015
490.	15.28	2053.	5.048
491.	15.32	2054.	5.031
492.	15.34	2055.	5.039
493.	15.35	2056.	5.02
494.	15.37	2057.	5.

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	15.35	2058.	5.03
496.	15.36	2059.	5.012
497.	15.4	2060.	5.011
498.	15.38	2061.	4.989
499.	15.38	2062.	4.988
500.	15.41	2063.	4.953
501.	15.44	2064.	4.974
502.	15.42	2065.	4.967
503.	15.41	2066.	4.957
504.	15.44	2067.	4.936
505.	15.46	2068.	4.955
506.	15.47	2069.	4.952
507.	15.47	2070.	4.945
508.	15.48	2071.	4.909
509.	15.51	2072.	4.923
510.	15.47	2073.	4.939
511.	15.51	2074.	4.945
512.	15.51	2075.	4.909
513.	15.54	2076.	4.919
514.	15.54	2077.	4.91
515.	15.54	2078.	4.884
516.	15.54	2079.	4.907
517.	15.56	2080.	4.871
518.	15.56	2081.	4.882
519.	15.54	2082.	4.867
520.	15.59	2083.	4.893
521.	15.6	2084.	4.867
522.	15.59	2085.	4.87
523.	15.62	2086.	4.864
524.	15.62	2087.	4.856
525.	15.61	2088.	4.838
526.	15.64	2089.	4.827
527.	15.67	2090.	4.855
528.	15.66	2091.	4.833
529.	15.68	2092.	4.822
530.	15.66	2093.	4.842
531.	15.68	2094.	4.814
532.	15.68	2095.	4.812
533.	15.71	2096.	4.807
534.	15.7	2097.	4.826
535.	15.73	2098.	4.807
536.	15.74	2099.	4.809
537.	15.73	2100.	4.799
538.	15.75	2101.	4.764
539.	15.76	2102.	4.768
540.	15.76	2103.	4.781
541.	15.76	2104.	4.771
542.	15.76	2105.	4.765
543.	15.78	2106.	4.735
544.	15.8	2107.	4.743
545.	15.8	2108.	4.742
546.	15.82	2109.	4.737
547.	15.81	2110.	4.703
548.	15.82	2111.	4.742
549.	15.84	2112.	4.703
550.	15.85	2113.	4.724
551.	15.86	2114.	4.729
552.	15.84	2115.	4.69
553.	15.89	2116.	4.686
554.	15.88	2117.	4.673
555.	15.91	2118.	4.704
556.	15.91	2119.	4.673
557.	15.9	2120.	4.693
558.	15.91	2121.	4.68
559.	15.92	2122.	4.715
560.	15.95	2123.	4.682

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	15.93	2124.	4.694
562.	15.92	2125.	4.677
563.	15.96	2126.	4.677
564.	15.94	2127.	4.678
565.	15.99	2128.	4.669
566.	15.95	2129.	4.632
567.	15.99	2130.	4.622
568.	15.99	2131.	4.642
569.	15.99	2132.	4.669
570.	16.	2133.	4.614
571.	16.01	2134.	4.626
572.	16.03	2135.	4.63
573.	16.03	2136.	4.598
574.	16.03	2137.	4.608
575.	16.04	2138.	4.628
576.	16.06	2139.	4.612
577.	16.03	2140.	4.594
578.	16.04	2141.	4.615
579.	16.08	2142.	4.602
580.	16.09	2143.	4.622
581.	16.11	2144.	4.575
582.	16.07	2145.	4.59
583.	16.09	2146.	4.591
584.	16.11	2147.	4.584
585.	16.13	2148.	4.59
586.	16.11	2149.	4.541
587.	16.13	2150.	4.57
588.	16.16	2151.	4.523
589.	16.15	2152.	4.536
590.	16.18	2153.	4.568
591.	16.17	2154.	4.534
592.	16.17	2155.	4.557
593.	16.16	2156.	4.556
594.	16.21	2157.	4.551
595.	16.21	2158.	4.565
596.	16.21	2159.	4.523
597.	16.21	2160.	4.518
598.	16.2	2161.	4.506
599.	16.21	2162.	4.51
600.	16.24	2163.	4.546
601.	16.24	2164.	4.503
602.	16.26	2165.	4.495
603.	16.25	2166.	4.51
604.	16.28	2167.	4.506
605.	16.25	2168.	4.482
606.	16.28	2169.	4.478
607.	16.31	2170.	4.496
608.	16.26	2171.	4.462
609.	16.31	2172.	4.51
610.	16.29	2173.	4.475
611.	16.29	2174.	4.459
612.	16.32	2175.	4.466
613.	16.3	2176.	4.459
614.	16.32	2177.	4.465
615.	16.35	2178.	4.461
616.	16.35	2179.	4.447
617.	16.34	2180.	4.456
618.	16.34	2181.	4.421
619.	16.37	2182.	4.44
620.	16.37	2183.	4.434
621.	16.38	2184.	4.46
622.	16.36	2185.	4.411
623.	16.41	2186.	4.424
624.	16.39	2187.	4.4
625.	16.39	2188.	4.408
626.	16.41	2189.	4.41

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	16.43	2190.	4.402
628.	16.41	2191.	4.393
629.	16.44	2192.	4.424
630.	16.42	2193.	4.39
631.	16.43	2194.	4.378
632.	16.45	2195.	4.397
633.	16.45	2196.	4.387
634.	16.46	2197.	4.366
635.	16.46	2198.	4.376
636.	16.45	2199.	4.361
637.	16.45	2200.	4.39
638.	16.47	2201.	4.355
639.	16.47	2202.	4.402
640.	16.49	2203.	4.343
641.	16.5	2204.	4.362
642.	16.5	2205.	4.355
643.	16.53	2206.	4.364
644.	16.53	2207.	4.358
645.	16.52	2208.	4.341
646.	16.51	2209.	4.334
647.	16.54	2210.	4.332
648.	16.57	2211.	4.318
649.	16.57	2212.	4.338
650.	16.56	2213.	4.313
651.	16.59	2214.	4.332
652.	16.57	2215.	4.315
653.	16.58	2216.	4.308
654.	16.61	2217.	4.296
655.	16.61	2218.	4.286
656.	16.59	2219.	4.309
657.	16.63	2220.	4.301
658.	16.63	2221.	4.314
659.	16.62	2222.	4.316
660.	16.61	2223.	4.314
661.	16.62	2224.	4.257
662.	16.66	2225.	4.27
663.	16.68	2226.	4.287
664.	16.65	2227.	4.275
665.	16.7	2228.	4.258
666.	16.7	2229.	4.27
667.	16.68	2230.	4.239
668.	16.68	2231.	4.253
669.	16.7	2232.	4.255
670.	16.72	2233.	4.256
671.	16.69	2234.	4.275
672.	16.73	2235.	4.247
673.	16.72	2236.	4.246
674.	16.75	2237.	4.231
675.	16.74	2238.	4.222
676.	16.74	2239.	4.246
677.	16.73	2240.	4.224
678.	16.76	2241.	4.227
679.	16.79	2242.	4.213
680.	16.74	2243.	4.217
681.	16.78	2244.	4.22
682.	16.79	2245.	4.201
683.	16.8	2246.	4.219
684.	16.79	2247.	4.179
685.	16.83	2248.	4.194
686.	16.81	2249.	4.192
687.	16.81	2250.	4.208
688.	16.81	2251.	4.179
689.	16.83	2252.	4.167
690.	16.83	2253.	4.186
691.	16.84	2254.	4.166
692.	16.83	2255.	4.159

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	16.84	2256.	4.171
694.	16.87	2257.	4.159
695.	16.88	2258.	4.162
696.	16.87	2259.	4.165
697.	16.86	2260.	4.183
698.	16.88	2261.	4.129
699.	16.87	2262.	4.167
700.	16.9	2263.	4.149
701.	16.91	2264.	4.146
702.	16.92	2265.	4.133
703.	16.93	2266.	4.147
704.	16.96	2267.	4.137
705.	16.94	2268.	4.154
706.	16.96	2269.	4.14
707.	16.94	2270.	4.139
708.	16.96	2271.	4.126
709.	16.96	2272.	4.096
710.	16.95	2273.	4.093
711.	16.98	2274.	4.119
712.	16.98	2275.	4.13
713.	17.01	2276.	4.134
714.	16.99	2277.	4.113
715.	17.01	2278.	4.112
716.	17.02	2279.	4.088
717.	17.01	2280.	4.114
718.	17.02	2281.	4.096
719.	17.01	2282.	4.087
720.	17.06	2283.	4.095
721.	17.03	2284.	4.132
722.	17.04	2285.	4.111
723.	17.05	2286.	4.048
724.	17.07	2287.	4.069
725.	17.07	2288.	4.045
726.	17.08	2289.	4.055
727.	17.07	2290.	4.049
728.	17.07	2291.	4.079
729.	17.11	2292.	4.061
730.	17.1	2293.	4.055
731.	17.11	2294.	4.059
732.	17.12	2295.	4.052
733.	17.09	2296.	4.035
734.	17.11	2297.	4.056
735.	17.13	2298.	4.019
736.	17.13	2299.	4.067
737.	17.11	2300.	4.036
738.	17.14	2301.	4.022
739.	17.14	2302.	4.036
740.	17.15	2303.	4.007
741.	17.17	2304.	4.041
742.	17.19	2305.	4.004
743.	17.16	2306.	4.038
744.	17.16	2307.	4.
745.	17.2	2308.	3.982
746.	17.2	2309.	4.017
747.	17.19	2310.	3.985
748.	17.18	2311.	4.011
749.	17.21	2312.	4.008
750.	17.23	2313.	3.985
751.	17.2	2314.	3.98
752.	17.21	2315.	3.992
753.	17.25	2316.	3.976
754.	17.23	2317.	3.973
755.	17.25	2318.	3.944
756.	17.27	2319.	3.958
757.	17.25	2320.	3.96
758.	17.28	2321.	3.956

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	17.26	2322.	3.958
760.	17.3	2323.	3.967
761.	17.28	2324.	3.954
762.	17.3	2325.	3.94
763.	17.31	2326.	3.951
764.	17.3	2327.	3.948
765.	17.3	2328.	3.961
766.	17.31	2329.	3.96
767.	17.33	2330.	3.933
768.	17.3	2331.	3.933
769.	17.34	2332.	3.915
770.	17.34	2333.	3.914
771.	17.34	2334.	3.905
772.	17.36	2335.	3.944
773.	17.33	2336.	3.929
774.	17.36	2337.	3.925
775.	17.36	2338.	3.938
776.	17.39	2339.	3.939
777.	17.42	2340.	3.908
778.	17.37	2341.	3.906
779.	17.4	2342.	3.924
780.	17.4	2343.	3.907
781.	17.42	2344.	3.899
782.	17.4	2345.	3.893
783.	17.42	2346.	3.897
784.	17.41	2347.	3.895
785.	17.42	2348.	3.889
786.	17.45	2349.	3.902
787.	17.42	2350.	3.89
788.	17.46	2351.	3.886
789.	17.46	2352.	3.869
790.	17.46	2353.	3.873
791.	17.48	2354.	3.856
792.	17.47	2355.	3.907
793.	17.47	2356.	3.851
794.	17.46	2357.	3.897
795.	17.47	2358.	3.887
796.	17.52	2359.	3.862
797.	17.49	2360.	3.863
798.	17.49	2361.	3.849
799.	17.49	2362.	3.839
800.	17.48	2363.	3.828
801.	17.54	2364.	3.858
802.	17.54	2365.	3.823
803.	17.54	2366.	3.835
804.	17.54	2367.	3.828
805.	17.55	2368.	3.861
806.	17.58	2369.	3.791
807.	17.58	2370.	3.815
808.	17.55	2371.	3.806
809.	17.56	2372.	3.801
810.	17.58	2373.	3.801
811.	17.56	2374.	3.807
812.	17.57	2375.	3.835
813.	17.58	2376.	3.805
814.	17.63	2377.	3.811
815.	17.6	2378.	3.802
816.	17.64	2379.	3.773
817.	17.57	2380.	3.803
818.	17.59	2381.	3.781
819.	17.62	2382.	3.789
820.	17.63	2383.	3.816
821.	17.62	2384.	3.778
822.	17.63	2385.	3.789
823.	17.62	2386.	3.753
824.	17.67	2387.	3.78

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	17.66	2388.	3.789
826.	17.66	2389.	3.763
827.	17.65	2390.	3.756
828.	17.65	2391.	3.793
829.	17.69	2392.	3.756
830.	17.67	2393.	3.759
831.	17.68	2394.	3.756
832.	17.68	2395.	3.731
833.	17.7	2396.	3.765
834.	17.7	2397.	3.753
835.	17.69	2398.	3.742
836.	17.72	2399.	3.73
837.	17.73	2400.	3.738
838.	17.71	2401.	3.696
839.	17.73	2402.	3.746
840.	17.73	2403.	3.739
841.	17.73	2404.	3.721
842.	17.71	2405.	3.72
843.	17.77	2406.	3.715
844.	17.78	2407.	3.733
845.	17.77	2408.	3.721
846.	17.79	2409.	3.712
847.	17.8	2410.	3.687
848.	17.75	2411.	3.711
849.	17.79	2412.	3.709
850.	17.79	2413.	3.711
851.	17.81	2414.	3.694
852.	17.81	2415.	3.697
853.	17.81	2416.	3.691
854.	17.82	2417.	3.717
855.	17.79	2418.	3.687
856.	17.83	2419.	3.682
857.	17.84	2420.	3.691
858.	17.83	2421.	3.688
859.	17.84	2422.	3.663
860.	17.84	2423.	3.67
861.	17.82	2424.	3.673
862.	17.86	2425.	3.66
863.	17.88	2426.	3.665
864.	17.85	2427.	3.669
865.	17.85	2428.	3.652
866.	17.89	2429.	3.662
867.	17.87	2430.	3.644
868.	17.9	2431.	3.67
869.	17.89	2432.	3.658
870.	17.91	2433.	3.648
871.	17.88	2434.	3.657
872.	17.89	2435.	3.628
873.	17.91	2436.	3.678
874.	17.9	2437.	3.632
875.	17.94	2438.	3.637
876.	17.9	2439.	3.624
877.	17.94	2440.	3.639
878.	17.91	2441.	3.625
879.	17.96	2442.	3.642
880.	17.96	2443.	3.614
881.	17.95	2444.	3.612
882.	17.96	2445.	3.621
883.	17.95	2446.	3.614
884.	17.97	2447.	3.612
885.	17.98	2448.	3.58
886.	17.97	2449.	3.63
887.	17.98	2450.	3.603
888.	18.01	2451.	3.619
889.	17.97	2452.	3.615
890.	17.99	2453.	3.598

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	18.	2454.	3.596
892.	18.	2455.	3.593
893.	17.99	2456.	3.603
894.	18.01	2457.	3.601
895.	18.01	2458.	3.579
896.	18.03	2459.	3.585
897.	18.	2460.	3.573
898.	18.03	2461.	3.582
899.	18.04	2462.	3.56
900.	18.04	2463.	3.585
901.	18.02	2464.	3.573
902.	18.05	2465.	3.546
903.	18.06	2466.	3.563
904.	18.06	2467.	3.586
905.	18.09	2468.	3.554
906.	18.08	2469.	3.558
907.	18.07	2470.	3.556
908.	18.08	2471.	3.588
909.	18.1	2472.	3.505
910.	18.12	2473.	3.534
911.	18.09	2474.	3.523
912.	18.1	2475.	3.524
913.	18.13	2476.	3.548
914.	18.11	2477.	3.514
915.	18.11	2478.	3.546
916.	18.13	2479.	3.534
917.	18.12	2480.	3.529
918.	18.16	2481.	3.553
919.	18.14	2482.	3.532
920.	18.16	2483.	3.535
921.	18.14	2484.	3.516
922.	18.17	2485.	3.52
923.	18.14	2486.	3.505
924.	18.17	2487.	3.525
925.	18.2	2488.	3.514
926.	18.19	2489.	3.492
927.	18.19	2490.	3.496
928.	18.18	2491.	3.485
929.	18.2	2492.	3.464
930.	18.2	2493.	3.504
931.	18.21	2494.	3.479
932.	18.21	2495.	3.501
933.	18.22	2496.	3.493
934.	18.19	2497.	3.476
935.	18.21	2498.	3.481
936.	18.2	2499.	3.495
937.	18.23	2500.	3.475
938.	18.24	2501.	3.492
939.	18.28	2502.	3.459
940.	18.24	2503.	3.467
941.	18.23	2504.	3.485
942.	18.26	2505.	3.465
943.	18.24	2506.	3.475
944.	18.27	2507.	3.458
945.	18.27	2508.	3.452
946.	18.27	2509.	3.472
947.	18.29	2510.	3.449
948.	18.26	2511.	3.449
949.	18.26	2512.	3.454
950.	18.3	2513.	3.433
951.	18.29	2514.	3.431
952.	18.32	2515.	3.436
953.	18.28	2516.	3.396
954.	18.32	2517.	3.42
955.	18.32	2518.	3.416
956.	18.3	2519.	3.429

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	18.33	2520.	3.447
958.	18.32	2521.	3.442
959.	18.34	2522.	3.4
960.	18.33	2523.	3.397
961.	18.34	2524.	3.432
962.	18.36	2525.	3.436
963.	18.33	2526.	3.416
964.	18.39	2527.	3.411
965.	18.35	2528.	3.437
966.	18.35	2529.	3.43
967.	18.36	2530.	3.389
968.	18.34	2531.	3.409
969.	18.36	2532.	3.39
970.	18.35	2533.	3.406
971.	18.36	2534.	3.394
972.	18.36	2535.	3.373
973.	18.41	2536.	3.406
974.	18.37	2537.	3.369
975.	18.4	2538.	3.385
976.	18.37	2539.	3.376
977.	18.4	2540.	3.367
978.	18.4	2541.	3.391
979.	18.41	2542.	3.371
980.	18.4	2543.	3.366
981.	18.42	2544.	3.386
982.	18.43	2545.	3.354
983.	18.43	2546.	3.39
984.	18.41	2547.	3.381
985.	18.44	2548.	3.334
986.	18.43	2549.	3.364
987.	18.44	2550.	3.374
988.	18.43	2551.	3.329
989.	18.46	2552.	3.333
990.	18.43	2553.	3.38
991.	18.48	2554.	3.338
992.	18.46	2555.	3.342
993.	18.48	2556.	3.344
994.	18.45	2557.	3.331
995.	18.47	2558.	3.315
996.	18.44	2559.	3.332
997.	18.5	2560.	3.325
998.	18.47	2561.	3.346
999.	18.49	2562.	3.339
1000.	18.49	2563.	3.316
1001.	18.52	2564.	3.304
1002.	18.5	2565.	3.305
1003.	18.51	2566.	3.329
1004.	18.52	2567.	3.315
1005.	18.52	2568.	3.298
1006.	18.53	2569.	3.326
1007.	18.54	2570.	3.295
1008.	18.54	2571.	3.28
1009.	18.54	2572.	3.329
1010.	18.52	2573.	3.318
1011.	18.54	2574.	3.299
1012.	18.55	2575.	3.299
1013.	18.56	2576.	3.279
1014.	18.56	2577.	3.3
1015.	18.58	2578.	3.251
1016.	18.58	2579.	3.277
1017.	18.58	2580.	3.271
1018.	18.6	2581.	3.304
1019.	18.55	2582.	3.262
1020.	18.6	2583.	3.278
1021.	18.58	2584.	3.262
1022.	18.55	2585.	3.275

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	18.59	2586.	3.277
1024.	18.62	2587.	3.284
1025.	18.58	2588.	3.259
1026.	18.59	2589.	3.254
1027.	18.59	2590.	3.285
1028.	18.62	2591.	3.244
1029.	18.61	2592.	3.227
1030.	18.63	2593.	3.239
1031.	18.63	2594.	3.27
1032.	18.65	2595.	3.246
1033.	18.63	2596.	3.246
1034.	18.63	2597.	3.252
1035.	18.65	2598.	3.225
1036.	18.63	2599.	3.226
1037.	18.66	2600.	3.232
1038.	18.65	2601.	3.225
1039.	18.67	2602.	3.221
1040.	18.67	2603.	3.228
1041.	18.68	2604.	3.226
1042.	18.67	2605.	3.194
1043.	18.68	2606.	3.22
1044.	18.66	2607.	3.218
1045.	18.67	2608.	3.22
1046.	18.67	2609.	3.213
1047.	18.68	2610.	3.219
1048.	18.7	2611.	3.212
1049.	18.67	2612.	3.226
1050.	18.7	2613.	3.199
1051.	18.68	2614.	3.212
1052.	18.71	2615.	3.2
1053.	18.73	2616.	3.204
1054.	18.72	2617.	3.192
1055.	18.71	2618.	3.193
1056.	18.73	2619.	3.171
1057.	18.73	2620.	3.187
1058.	18.73	2621.	3.196
1059.	18.73	2622.	3.186
1060.	18.74	2623.	3.187
1061.	18.77	2624.	3.198
1062.	18.74	2625.	3.19
1063.	18.76	2626.	3.168
1064.	18.77	2627.	3.181
1065.	18.77	2628.	3.193
1066.	18.77	2629.	3.182
1067.	18.76	2630.	3.194
1068.	18.74	2631.	3.177
1069.	18.75	2632.	3.146
1070.	18.77	2633.	3.18
1071.	18.77	2634.	3.179
1072.	18.81	2635.	3.151
1073.	18.78	2636.	3.159
1074.	18.8	2637.	3.138
1075.	18.82	2638.	3.165
1076.	18.8	2639.	3.177
1077.	18.83	2640.	3.135
1078.	18.81	2641.	3.133
1079.	18.81	2642.	3.14
1080.	18.83	2643.	3.17
1081.	18.82	2644.	3.129
1082.	18.83	2645.	3.137
1083.	18.84	2646.	3.121
1084.	18.82	2647.	3.082
1085.	18.83	2648.	3.128
1086.	18.83	2649.	3.154
1087.	18.85	2650.	3.131
1088.	18.84	2651.	3.078

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	18.84	2652.	3.118
1090.	18.87	2653.	3.129
1091.	18.89	2654.	3.108
1092.	18.85	2655.	3.089
1093.	18.87	2656.	3.125
1094.	18.89	2657.	3.095
1095.	18.86	2658.	3.095
1096.	18.92	2659.	3.1
1097.	18.87	2660.	3.097
1098.	18.9	2661.	3.105
1099.	18.9	2662.	3.09
1100.	18.9	2663.	3.096
1101.	18.91	2664.	3.103
1102.	18.89	2665.	3.12
1103.	18.93	2666.	3.081
1104.	18.91	2667.	3.08
1105.	18.93	2668.	3.073
1106.	18.94	2669.	3.084
1107.	18.92	2670.	3.08
1108.	18.93	2671.	3.103
1109.	18.95	2672.	3.085
1110.	18.93	2673.	3.11
1111.	18.91	2674.	3.093
1112.	18.92	2675.	3.068
1113.	18.93	2676.	3.085
1114.	18.97	2677.	3.061
1115.	18.94	2678.	3.038
1116.	18.97	2679.	3.06
1117.	18.97	2680.	3.087
1118.	19.01	2681.	3.072
1119.	18.97	2682.	3.065
1120.	18.97	2683.	3.074
1121.	18.97	2684.	3.055
1122.	18.98	2685.	3.057
1123.	18.97	2686.	3.045
1124.	18.99	2687.	3.066
1125.	18.99	2688.	3.049
1126.	19.01	2689.	3.074
1127.	18.97	2690.	3.063
1128.	18.98	2691.	3.053
1129.	19.01	2692.	3.044
1130.	19.01	2693.	3.044
1131.	19.02	2694.	3.034
1132.	19.03	2695.	3.024
1133.	19.02	2696.	3.028
1134.	19.03	2697.	3.017
1135.	19.03	2698.	3.048
1136.	19.02	2699.	3.017
1137.	19.05	2700.	2.985
1138.	19.02	2701.	2.995
1139.	19.03	2702.	2.983
1140.	19.06	2703.	3.031
1141.	19.04	2704.	3.019
1142.	19.09	2705.	2.991
1143.	19.07	2706.	3.017
1144.	19.06	2707.	2.983
1145.	19.02	2708.	3.005
1146.	19.05	2709.	2.996
1147.	19.02	2710.	3.001
1148.	19.03	2711.	3.025
1149.	19.	2712.	2.979
1150.	19.03	2713.	2.967
1151.	19.04	2714.	2.966
1152.	19.05	2715.	2.999
1153.	19.05	2716.	2.966
1154.	19.03	2717.	2.992

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	19.02	2718.	2.999
1156.	19.02	2719.	2.966
1157.	19.02	2720.	2.957
1158.	19.04	2721.	2.984
1159.	19.02	2722.	2.952
1160.	19.04	2723.	2.936
1161.	19.04	2724.	2.938
1162.	19.02	2725.	2.962
1163.	19.04	2726.	2.942
1447.	19.	2727.	2.954
1448.	18.89	2728.	2.94
1449.	18.74	2729.	2.943
1450.	18.64	2730.	2.969
1451.	18.52	2731.	2.921
1452.	18.42	2732.	2.931
1453.	18.34	2733.	2.932
1454.	18.19	2734.	2.95
1455.	18.05	2735.	2.92
1456.	17.96	2736.	2.936
1457.	17.83	2737.	2.96
1458.	17.72	2738.	2.962
1459.	17.63	2739.	2.94
1460.	17.54	2740.	2.956
1461.	17.41	2741.	2.919
1462.	17.32	2742.	2.929
1463.	17.21	2743.	2.912
1464.	17.13	2744.	2.903
1465.	17.02	2745.	2.922
1466.	16.91	2746.	2.932
1467.	16.82	2747.	2.889
1468.	16.75	2748.	2.913
1469.	16.65	2749.	2.905
1470.	16.55	2750.	2.92
1471.	16.45	2751.	2.899
1472.	16.37	2752.	2.914
1473.	16.3	2753.	2.928
1474.	16.19	2754.	2.921
1475.	16.1	2755.	2.902
1476.	16.01	2756.	2.904
1477.	15.93	2757.	2.908
1478.	15.85	2758.	2.884
1479.	15.79	2759.	2.896
1480.	15.7	2760.	2.866
1481.	15.62	2761.	2.891
1482.	15.55	2762.	2.857
1483.	15.45	2763.	2.876
1484.	15.38	2764.	2.876
1485.	15.32	2765.	2.916
1486.	15.22	2766.	2.886
1487.	15.13	2767.	2.866
1488.	15.06	2768.	2.884
1489.	15.01	2769.	2.858
1490.	14.93	2770.	2.879
1491.	14.85	2771.	2.884
1492.	14.82	2772.	2.858
1493.	14.74	2773.	2.86
1494.	14.69	2774.	2.887
1495.	14.61	2775.	2.845
1496.	14.54	2776.	2.853
1497.	14.44	2777.	2.83
1498.	14.39	2778.	2.864
1499.	14.34	2779.	2.849
1500.	14.26	2780.	2.869
1501.	14.19	2781.	2.884
1502.	14.14	2782.	2.838
1503.	14.09	2783.	2.813

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1504.	14.02	2784.	2.842
1505.	13.98	2785.	2.84
1506.	13.9	2786.	2.816
1507.	13.84	2787.	2.826
1508.	13.78	2788.	2.825
1509.	13.73	2789.	2.834
1510.	13.67	2790.	2.82
1511.	13.6	2791.	2.829
1512.	13.56	2792.	2.827
1513.	13.48	2793.	2.813
1514.	13.43	2794.	2.822
1515.	13.38	2795.	2.818
1516.	13.33	2796.	2.814
1517.	13.27	2797.	2.823
1518.	13.25	2798.	2.826
1519.	13.18	2799.	2.815
1520.	13.12	2800.	2.81
1521.	13.07	2801.	2.805
1522.	13.02	2802.	2.817
1523.	12.98	2803.	2.826
1524.	12.93	2804.	2.806
1525.	12.9	2805.	2.815
1526.	12.82	2806.	2.794
1527.	12.76	2807.	2.837
1528.	12.72	2808.	2.817
1529.	12.66	2809.	2.801
1530.	12.63	2810.	2.758
1531.	12.57	2811.	2.818
1532.	12.54	2812.	2.825
1533.	12.48	2813.	2.776
1534.	12.44	2814.	2.796
1535.	12.44	2815.	2.767
1536.	12.36	2816.	2.789
1537.	12.28	2817.	2.789
1538.	12.26	2818.	2.786
1539.	12.21	2819.	2.779
1540.	12.2	2820.	2.781
1541.	12.18	2821.	2.791
1542.	12.11	2822.	2.771
1543.	12.03	2823.	2.769
1544.	12.02	2824.	2.776
1545.	11.99	2825.	2.751
1546.	11.92	2826.	2.754
1547.	11.89	2827.	2.771
1548.	11.87	2828.	2.767
1549.	11.82	2829.	2.784
1550.	11.75	2830.	2.773
1551.	11.75	2831.	2.791
1552.	11.68	2832.	2.769
1553.	11.66	2833.	2.789
1554.	11.63	2834.	2.753
1555.	11.56	2835.	2.767
1556.	11.56	2836.	2.756
1557.	11.51	2837.	2.793
1558.	11.44	2838.	2.761
1559.	11.45	2839.	2.75
1560.	11.39	2840.	2.784
1561.	11.36	2841.	2.762
1562.	11.31	2842.	2.774
1563.	11.31		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1246.1	ft^2/day
S	6.268E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.58 ft/day (0.005495 cm/sec)
Ss = S/b = 7.835E-7 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1261.1	2.968	+/- 5.82	424.9	ft^2/day
S	6.163E-5	4.332E-7	+/- 8.495E-7	142.3	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.76 ft/day (0.005561 cm/sec)
Ss = S/b = 7.704E-7 1/ft

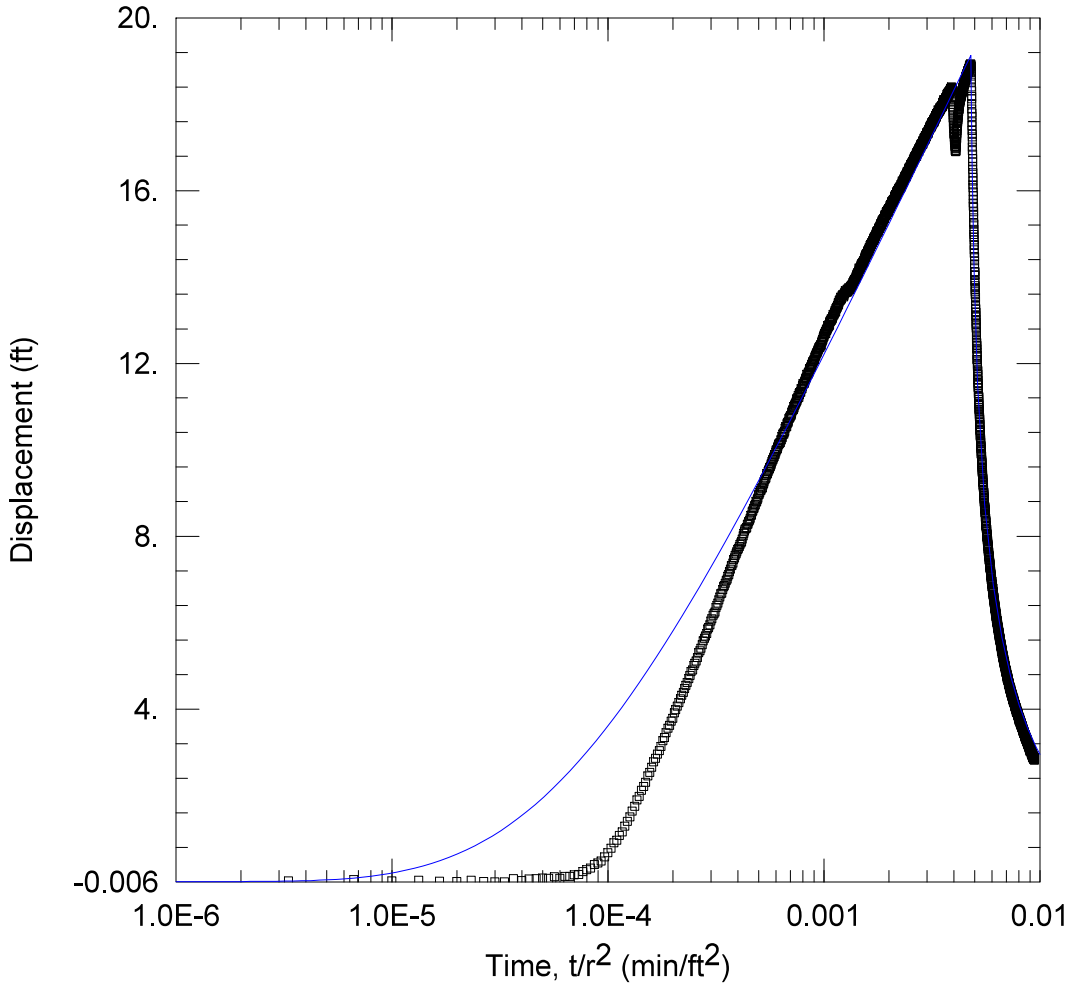
Parameter Correlations

	T	S
T	1.00	-0.85
S	-0.85	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 788.7 ft^2
Variance . . . . . 0.3085 ft^2
Std. Deviation . . . . . 0.5554 ft
Mean . . . . . -0.1959 ft
No. of Residuals 2559
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW13A.aqt
Date: 04/11/25 Time: 12:05:16

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW13A	781	431

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1271. ft^2/day
S = 6.675E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:21:43

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW13A

X Location: 781. ft
Y Location: 431. ft

Radial distance from BM 1B: 548.1842756 ft
Radial distance from BM2A: 874.3454695 ft
Radial distance from BM3: 313.5602016 ft
Radial distance from BM 4 : 401.6590594 ft
Radial distance from BM5: 678.5698195 ft
Radial distance from BM 6: 901.7993125 ft
Radial distance from BM7: 1103.576912 ft
Radial distance from BM9: 1654.38478 ft

Fully Penetrating Well

No. of Observations: 2835

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.01454	1419.	18.89
2.	0.04558	1420.	18.84
3.	0.01349	1421.	18.88
4.	0.03403	1422.	18.82
5.	0.005877	1423.	18.87
6.	-0.001647	1424.	18.85
7.	0.0343	1425.	18.85
8.	0.002017	1426.	18.91
9.	-0.002837	1427.	18.87
10.	-0.005423	1428.	18.89
11.	0.06606	1429.	18.89
12.	0.02635	1430.	18.91
13.	0.06284	1431.	18.9
14.	0.0686	1432.	18.9
15.	0.07929	1433.	18.9
16.	0.07565	1434.	18.92
17.	0.1131	1435.	18.91
18.	0.07639	1436.	18.9
19.	0.1211	1437.	18.89
20.	0.123	1438.	18.92
21.	0.156	1439.	18.94
22.	0.1615	1440.	18.92
23.	0.2297	1441.	18.87
24.	0.2719	1442.	18.89
25.	0.3136	1443.	18.87
26.	0.3905	1444.	18.79
27.	0.4283	1445.	18.75
28.	0.4766	1446.	18.74
29.	0.57	1447.	18.65
30.	0.6691	1448.	18.57
31.	0.7718	1449.	18.51
32.	0.8971	1450.	18.4

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.9576	1451.	18.31
34.	1.069	1452.	18.18
35.	1.152	1453.	18.13
36.	1.284	1454.	18.01
37.	1.393	1455.	17.89
38.	1.496	1456.	17.8
39.	1.631	1457.	17.72
40.	1.741	1458.	17.59
41.	1.894	1459.	17.5
42.	1.973	1460.	17.39
43.	2.114	1461.	17.3
44.	2.199	1462.	17.24
45.	2.302	1463.	17.14
46.	2.443	1464.	17.01
47.	2.529	1465.	16.92
48.	2.649	1466.	16.84
49.	2.77	1467.	16.74
50.	2.856	1468.	16.67
51.	2.948	1469.	16.56
52.	3.032	1470.	16.49
53.	3.126	1471.	16.42
54.	3.265	1472.	16.3
55.	3.339	1473.	16.22
56.	3.448	1474.	16.13
57.	3.55	1475.	16.07
58.	3.619	1476.	15.97
59.	3.712	1477.	15.89
60.	3.779	1478.	15.8
61.	3.907	1479.	15.71
62.	3.98	1480.	15.64
63.	4.064	1481.	15.62
64.	4.142	1482.	15.51
65.	4.233	1483.	15.45
66.	4.313	1484.	15.37
67.	4.383	1485.	15.26
68.	4.469	1486.	15.23
69.	4.542	1487.	15.11
70.	4.609	1488.	15.05
71.	4.703	1489.	14.99
72.	4.772	1490.	14.93
73.	4.859	1491.	14.86
74.	4.9	1492.	14.75
75.	5.001	1493.	14.74
76.	5.052	1494.	14.64
77.	5.108	1495.	14.55
78.	5.187	1496.	14.48
79.	5.297	1497.	14.47
80.	5.346	1498.	14.38
81.	5.407	1499.	14.31
82.	5.484	1500.	14.23
83.	5.574	1501.	14.13
84.	5.636	1502.	14.12
85.	5.685	1503.	14.05
86.	5.747	1504.	14.04
87.	5.848	1505.	13.92
88.	5.885	1506.	13.89
89.	5.945	1507.	13.8
90.	6.03	1508.	13.76
91.	6.087	1509.	13.7
92.	6.166	1510.	13.66
93.	6.206	1511.	13.59
94.	6.237	1512.	13.54
95.	6.341	1513.	13.53
96.	6.398	1514.	13.44
97.	6.45	1515.	13.37
98.	6.521	1516.	13.31

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	6.587	1517.	13.27
100.	6.664	1518.	13.19
101.	6.676	1519.	13.19
102.	6.758	1520.	13.11
103.	6.823	1521.	13.08
104.	6.858	1522.	13.02
105.	6.907	1523.	12.95
106.	6.964	1524.	12.91
107.	7.004	1525.	12.86
108.	7.069	1526.	12.81
109.	7.105	1527.	12.73
110.	7.171	1528.	12.72
111.	7.231	1529.	12.65
112.	7.317	1530.	12.6
113.	7.323	1531.	12.57
114.	7.372	1532.	12.5
115.	7.453	1533.	12.48
116.	7.491	1534.	12.42
117.	7.555	1535.	12.41
118.	7.591	1536.	12.34
119.	7.631	1537.	12.33
120.	7.686	1538.	12.26
121.	7.716	1539.	12.19
122.	7.761	1540.	12.19
123.	7.807	1541.	12.09
124.	7.847	1542.	12.09
125.	7.875	1543.	12.05
126.	7.937	1544.	11.99
127.	8.007	1545.	11.97
128.	8.065	1546.	11.95
129.	8.112	1547.	11.91
130.	8.16	1548.	11.84
131.	8.174	1549.	11.82
132.	8.196	1550.	11.75
133.	8.268	1551.	11.75
134.	8.281	1552.	11.69
135.	8.327	1553.	11.62
136.	8.367	1554.	11.61
137.	8.408	1555.	11.56
138.	8.478	1556.	11.54
139.	8.486	1557.	11.49
140.	8.559	1558.	11.44
141.	8.584	1559.	11.44
142.	8.631	1560.	11.43
143.	8.648	1561.	11.35
144.	8.7	1562.	11.3
145.	8.728	1563.	11.31
146.	8.806	1564.	11.23
147.	8.792	1565.	11.23
148.	8.843	1566.	11.22
149.	8.878	1567.	11.17
150.	8.95	1568.	11.11
151.	8.967	1569.	11.08
152.	9.011	1570.	11.04
153.	9.053	1571.	11.03
154.	9.065	1572.	10.98
155.	9.107	1573.	10.94
156.	9.112	1574.	10.93
157.	9.185	1575.	10.9
158.	9.225	1576.	10.87
159.	9.256	1577.	10.81
160.	9.303	1578.	10.82
161.	9.329	1579.	10.77
162.	9.347	1580.	10.75
163.	9.414	1581.	10.71
164.	9.451	1582.	10.7

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	9.448	1583.	10.65
166.	9.501	1584.	10.63
167.	9.531	1585.	10.59
168.	9.562	1586.	10.58
169.	9.59	1587.	10.54
170.	9.612	1588.	10.48
171.	9.656	1589.	10.45
172.	9.689	1590.	10.45
173.	9.72	1591.	10.42
174.	9.76	1592.	10.39
175.	9.778	1593.	10.35
176.	9.813	1594.	10.32
177.	9.847	1595.	10.33
178.	9.887	1596.	10.3
179.	9.896	1597.	10.26
180.	9.947	1598.	10.22
181.	9.992	1599.	10.17
182.	10.	1600.	10.19
183.	10.03	1601.	10.16
184.	10.07	1602.	10.1
185.	10.12	1603.	10.09
186.	10.13	1604.	10.07
187.	10.14	1605.	10.05
188.	10.16	1606.	10.02
189.	10.17	1607.	10.01
190.	10.23	1608.	9.96
191.	10.23	1609.	9.947
192.	10.31	1610.	9.897
193.	10.28	1611.	9.905
194.	10.36	1612.	9.893
195.	10.38	1613.	9.853
196.	10.37	1614.	9.846
197.	10.4	1615.	9.773
198.	10.43	1616.	9.788
199.	10.49	1617.	9.716
200.	10.53	1618.	9.743
201.	10.55	1619.	9.71
202.	10.53	1620.	9.691
203.	10.6	1621.	9.642
204.	10.62	1622.	9.672
205.	10.63	1623.	9.601
206.	10.66	1624.	9.574
207.	10.72	1625.	9.564
208.	10.73	1626.	9.529
209.	10.75	1627.	9.514
210.	10.78	1628.	9.487
211.	10.79	1629.	9.47
212.	10.8	1630.	9.428
213.	10.83	1631.	9.456
214.	10.88	1632.	9.394
215.	10.92	1633.	9.416
216.	10.92	1634.	9.378
217.	10.94	1635.	9.323
218.	11.	1636.	9.345
219.	10.97	1637.	9.301
220.	11.03	1638.	9.242
221.	11.04	1639.	9.259
222.	11.08	1640.	9.264
223.	11.09	1641.	9.23
224.	11.11	1642.	9.191
225.	11.18	1643.	9.176
226.	11.13	1644.	9.165
227.	11.18	1645.	9.132
228.	11.2	1646.	9.131
229.	11.26	1647.	9.073
230.	11.21	1648.	9.075

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	11.3	1649.	9.074
232.	11.27	1650.	9.058
233.	11.32	1651.	9.016
234.	11.34	1652.	9.018
235.	11.33	1653.	9.005
236.	11.41	1654.	8.972
237.	11.4	1655.	8.933
238.	11.41	1656.	8.92
239.	11.46	1657.	8.946
240.	11.5	1658.	8.87
241.	11.53	1659.	8.895
242.	11.53	1660.	8.837
243.	11.54	1661.	8.861
244.	11.54	1662.	8.787
245.	11.57	1663.	8.761
246.	11.59	1664.	8.762
247.	11.62	1665.	8.776
248.	11.65	1666.	8.765
249.	11.67	1667.	8.701
250.	11.68	1668.	8.712
251.	11.74	1669.	8.686
252.	11.74	1670.	8.648
253.	11.73	1671.	8.678
254.	11.77	1672.	8.663
255.	11.77	1673.	8.634
256.	11.8	1674.	8.621
257.	11.8	1675.	8.619
258.	11.87	1676.	8.56
259.	11.86	1677.	8.589
260.	11.89	1678.	8.537
261.	11.9	1679.	8.538
262.	11.92	1680.	8.524
263.	11.92	1681.	8.489
264.	11.97	1682.	8.444
265.	11.96	1683.	8.427
266.	12.01	1684.	8.438
267.	12.01	1685.	8.406
268.	12.04	1686.	8.414
269.	12.05	1687.	8.369
270.	12.07	1688.	8.356
271.	12.09	1689.	8.33
272.	12.09	1690.	8.342
273.	12.13	1691.	8.298
274.	12.16	1692.	8.319
275.	12.18	1693.	8.246
276.	12.18	1694.	8.245
277.	12.22	1695.	8.243
278.	12.24	1696.	8.217
279.	12.24	1697.	8.224
280.	12.25	1698.	8.232
281.	12.27	1699.	8.18
282.	12.29	1700.	8.174
283.	12.31	1701.	8.185
284.	12.34	1702.	8.171
285.	12.33	1703.	8.158
286.	12.37	1704.	8.151
287.	12.38	1705.	8.111
288.	12.38	1706.	8.062
289.	12.42	1707.	8.069
290.	12.43	1708.	8.044
291.	12.41	1709.	8.048
292.	12.43	1710.	8.041
293.	12.49	1711.	8.017
294.	12.5	1712.	7.974
295.	12.53	1713.	7.974
296.	12.54	1714.	8.005

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	12.55	1715.	7.964
298.	12.59	1716.	7.928
299.	12.63	1717.	7.949
300.	12.61	1718.	7.911
301.	12.63	1719.	7.918
302.	12.66	1720.	7.875
303.	12.68	1721.	7.898
304.	12.69	1722.	7.874
305.	12.71	1723.	7.843
306.	12.74	1724.	7.82
307.	12.69	1725.	7.802
308.	12.75	1726.	7.824
309.	12.79	1727.	7.805
310.	12.77	1728.	7.771
311.	12.79	1729.	7.777
312.	12.8	1730.	7.755
313.	12.87	1731.	7.765
314.	12.84	1732.	7.703
315.	12.85	1733.	7.742
316.	12.86	1734.	7.734
317.	12.9	1735.	7.696
318.	12.88	1736.	7.686
319.	12.9	1737.	7.646
320.	12.94	1738.	7.643
321.	12.97	1739.	7.624
322.	12.98	1740.	7.638
323.	12.98	1741.	7.636
324.	12.99	1742.	7.605
325.	13.03	1743.	7.578
326.	13.	1744.	7.576
327.	13.03	1745.	7.56
328.	13.04	1746.	7.533
329.	13.07	1747.	7.547
330.	13.05	1748.	7.544
331.	13.08	1749.	7.529
332.	13.13	1750.	7.508
333.	13.13	1751.	7.457
334.	13.12	1752.	7.488
335.	13.15	1753.	7.445
336.	13.16	1754.	7.431
337.	13.18	1755.	7.447
338.	13.18	1756.	7.407
339.	13.21	1757.	7.399
340.	13.23	1758.	7.39
341.	13.2	1759.	7.43
342.	13.27	1760.	7.372
343.	13.26	1761.	7.315
344.	13.28	1762.	7.344
345.	13.29	1763.	7.373
346.	13.3	1764.	7.345
347.	13.31	1765.	7.304
348.	13.34	1766.	7.287
349.	13.35	1767.	7.337
350.	13.4	1768.	7.315
351.	13.36	1769.	7.264
352.	13.39	1770.	7.264
353.	13.41	1771.	7.248
354.	13.45	1772.	7.26
355.	13.45	1773.	7.266
356.	13.46	1774.	7.237
357.	13.49	1775.	7.206
358.	13.48	1776.	7.193
359.	13.47	1777.	7.188
360.	13.54	1778.	7.161
361.	13.49	1779.	7.179
362.	13.5	1780.	7.159

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	13.52	1781.	7.141
364.	13.53	1782.	7.115
365.	13.56	1783.	7.111
366.	13.58	1784.	7.079
367.	13.57	1785.	7.078
368.	13.59	1786.	7.115
369.	13.58	1787.	7.073
370.	13.58	1788.	7.061
371.	13.54	1789.	7.075
372.	13.57	1790.	7.024
373.	13.6	1791.	7.033
374.	13.62	1792.	6.992
375.	13.61	1793.	7.005
376.	13.63	1794.	7.001
377.	13.63	1795.	6.953
378.	13.68	1796.	6.99
379.	13.66	1797.	6.959
380.	13.65	1798.	6.98
381.	13.65	1799.	6.956
382.	13.68	1800.	6.952
383.	13.67	1801.	6.951
384.	13.65	1802.	6.895
385.	13.67	1803.	6.902
386.	13.71	1804.	6.883
387.	13.66	1805.	6.889
388.	13.66	1806.	6.887
389.	13.69	1807.	6.869
390.	13.72	1808.	6.833
391.	13.71	1809.	6.824
392.	13.75	1810.	6.817
393.	13.72	1811.	6.829
394.	13.72	1812.	6.815
395.	13.71	1813.	6.834
396.	13.75	1814.	6.816
397.	13.72	1815.	6.778
398.	13.73	1816.	6.777
399.	13.79	1817.	6.796
400.	13.77	1818.	6.795
401.	13.78	1819.	6.73
402.	13.77	1820.	6.732
403.	13.8	1821.	6.711
404.	13.79	1822.	6.682
405.	13.81	1823.	6.717
406.	13.82	1824.	6.712
407.	13.83	1825.	6.701
408.	13.83	1826.	6.685
409.	13.84	1827.	6.643
410.	13.87	1828.	6.694
411.	13.87	1829.	6.649
412.	13.91	1830.	6.612
413.	13.9	1831.	6.636
414.	13.9	1832.	6.626
415.	13.91	1833.	6.629
416.	13.93	1834.	6.6
417.	13.95	1835.	6.638
418.	13.95	1836.	6.581
419.	13.95	1837.	6.586
420.	13.95	1838.	6.597
421.	13.97	1839.	6.555
422.	13.97	1840.	6.57
423.	13.97	1841.	6.563
424.	14.01	1842.	6.533
425.	14.02	1843.	6.513
426.	14.03	1844.	6.521
427.	14.03	1845.	6.514
428.	14.07	1846.	6.493

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	14.06	1847.	6.498
430.	14.09	1848.	6.459
431.	14.09	1849.	6.449
432.	14.07	1850.	6.469
433.	14.1	1851.	6.484
434.	14.11	1852.	6.493
435.	14.1	1853.	6.464
436.	14.12	1854.	6.436
437.	14.16	1855.	6.434
438.	14.21	1856.	6.411
439.	14.18	1857.	6.392
440.	14.19	1858.	6.403
441.	14.18	1859.	6.344
442.	14.19	1860.	6.378
443.	14.21	1861.	6.377
444.	14.21	1862.	6.361
445.	14.23	1863.	6.359
446.	14.26	1864.	6.329
447.	14.24	1865.	6.321
448.	14.29	1866.	6.313
449.	14.27	1867.	6.315
450.	14.29	1868.	6.306
451.	14.32	1869.	6.286
452.	14.29	1870.	6.302
453.	14.31	1871.	6.297
454.	14.31	1872.	6.257
455.	14.34	1873.	6.267
456.	14.34	1874.	6.27
457.	14.35	1875.	6.252
458.	14.37	1876.	6.248
459.	14.38	1877.	6.229
460.	14.34	1878.	6.208
461.	14.36	1879.	6.216
462.	14.38	1880.	6.217
463.	14.42	1881.	6.185
464.	14.43	1882.	6.2
465.	14.43	1883.	6.171
466.	14.47	1884.	6.193
467.	14.45	1885.	6.14
468.	14.45	1886.	6.148
469.	14.49	1887.	6.15
470.	14.51	1888.	6.128
471.	14.53	1889.	6.157
472.	14.49	1890.	6.128
473.	14.52	1891.	6.084
474.	14.53	1892.	6.113
475.	14.54	1893.	6.114
476.	14.52	1894.	6.064
477.	14.54	1895.	6.103
478.	14.56	1896.	6.056
479.	14.59	1897.	6.056
480.	14.58	1898.	6.044
481.	14.61	1899.	6.057
482.	14.62	1900.	6.023
483.	14.6	1901.	5.995
484.	14.6	1902.	6.028
485.	14.64	1903.	6.026
486.	14.61	1904.	6.033
487.	14.65	1905.	6.024
488.	14.68	1906.	6.047
489.	14.65	1907.	6.004
490.	14.67	1908.	5.989
491.	14.68	1909.	5.986
492.	14.73	1910.	5.989
493.	14.74	1911.	5.983
494.	14.75	1912.	5.954

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	14.7	1913.	5.963
496.	14.76	1914.	5.927
497.	14.76	1915.	5.911
498.	14.74	1916.	5.946
499.	14.79	1917.	5.953
500.	14.75	1918.	5.922
501.	14.78	1919.	5.894
502.	14.79	1920.	5.891
503.	14.8	1921.	5.883
504.	14.81	1922.	5.886
505.	14.81	1923.	5.912
506.	14.84	1924.	5.877
507.	14.83	1925.	5.853
508.	14.85	1926.	5.844
509.	14.85	1927.	5.856
510.	14.85	1928.	5.872
511.	14.88	1929.	5.854
512.	14.9	1930.	5.811
513.	14.9	1931.	5.816
514.	14.87	1932.	5.815
515.	14.89	1933.	5.779
516.	14.91	1934.	5.784
517.	14.93	1935.	5.83
518.	14.93	1936.	5.79
519.	14.94	1937.	5.799
520.	14.96	1938.	5.778
521.	14.95	1939.	5.782
522.	14.96	1940.	5.779
523.	14.97	1941.	5.771
524.	14.98	1942.	5.742
525.	15.	1943.	5.731
526.	15.01	1944.	5.741
527.	15.01	1945.	5.759
528.	15.04	1946.	5.737
529.	15.02	1947.	5.702
530.	15.03	1948.	5.715
531.	15.04	1949.	5.699
532.	15.07	1950.	5.666
533.	15.05	1951.	5.691
534.	15.06	1952.	5.696
535.	15.04	1953.	5.664
536.	15.07	1954.	5.668
537.	15.08	1955.	5.673
538.	15.12	1956.	5.677
539.	15.12	1957.	5.644
540.	15.13	1958.	5.658
541.	15.13	1959.	5.656
542.	15.12	1960.	5.614
543.	15.14	1961.	5.632
544.	15.16	1962.	5.617
545.	15.16	1963.	5.606
546.	15.13	1964.	5.595
547.	15.18	1965.	5.625
548.	15.19	1966.	5.571
549.	15.22	1967.	5.628
550.	15.19	1968.	5.604
551.	15.2	1969.	5.591
552.	15.23	1970.	5.572
553.	15.24	1971.	5.593
554.	15.23	1972.	5.557
555.	15.2	1973.	5.552
556.	15.24	1974.	5.544
557.	15.26	1975.	5.534
558.	15.22	1976.	5.51
559.	15.27	1977.	5.519
560.	15.3	1978.	5.561

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	15.32	1979.	5.497
562.	15.28	1980.	5.511
563.	15.31	1981.	5.501
564.	15.32	1982.	5.513
565.	15.28	1983.	5.498
566.	15.34	1984.	5.492
567.	15.33	1985.	5.462
568.	15.34	1986.	5.457
569.	15.34	1987.	5.452
570.	15.35	1988.	5.452
571.	15.36	1989.	5.453
572.	15.37	1990.	5.457
573.	15.36	1991.	5.445
574.	15.38	1992.	5.434
575.	15.4	1993.	5.417
576.	15.41	1994.	5.395
577.	15.44	1995.	5.403
578.	15.42	1996.	5.404
579.	15.42	1997.	5.43
580.	15.44	1998.	5.359
581.	15.46	1999.	5.407
582.	15.43	2000.	5.391
583.	15.45	2001.	5.389
584.	15.46	2002.	5.394
585.	15.5	2003.	5.346
586.	15.51	2004.	5.338
587.	15.45	2005.	5.319
588.	15.49	2006.	5.36
589.	15.52	2007.	5.35
590.	15.49	2008.	5.337
591.	15.52	2009.	5.324
592.	15.5	2010.	5.349
593.	15.51	2011.	5.344
594.	15.55	2012.	5.326
595.	15.55	2013.	5.293
596.	15.55	2014.	5.29
597.	15.54	2015.	5.268
598.	15.51	2016.	5.272
599.	15.57	2017.	5.271
600.	15.56	2018.	5.267
601.	15.59	2019.	5.271
602.	15.59	2020.	5.258
603.	15.59	2021.	5.267
604.	15.59	2022.	5.234
605.	15.62	2023.	5.246
606.	15.6	2024.	5.205
607.	15.61	2025.	5.215
608.	15.65	2026.	5.215
609.	15.62	2027.	5.225
610.	15.63	2028.	5.234
611.	15.66	2029.	5.229
612.	15.66	2030.	5.202
613.	15.66	2031.	5.218
614.	15.67	2032.	5.184
615.	15.67	2033.	5.203
616.	15.67	2034.	5.178
617.	15.69	2035.	5.194
618.	15.7	2036.	5.183
619.	15.73	2037.	5.175
620.	15.74	2038.	5.148
621.	15.71	2039.	5.168
622.	15.72	2040.	5.162
623.	15.72	2041.	5.157
624.	15.72	2042.	5.161
625.	15.74	2043.	5.15
626.	15.73	2044.	5.135

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	15.76	2045.	5.108
628.	15.77	2046.	5.112
629.	15.76	2047.	5.124
630.	15.74	2048.	5.101
631.	15.78	2049.	5.095
632.	15.78	2050.	5.107
633.	15.78	2051.	5.105
634.	15.79	2052.	5.089
635.	15.8	2053.	5.072
636.	15.8	2054.	5.077
637.	15.81	2055.	5.095
638.	15.83	2056.	5.07
639.	15.86	2057.	5.086
640.	15.82	2058.	5.062
641.	15.88	2059.	5.043
642.	15.86	2060.	5.054
643.	15.87	2061.	5.038
644.	15.87	2062.	5.022
645.	15.86	2063.	5.065
646.	15.91	2064.	5.043
647.	15.88	2065.	5.006
648.	15.88	2066.	4.999
649.	15.88	2067.	5.013
650.	15.91	2068.	5.007
651.	15.92	2069.	5.014
652.	15.9	2070.	4.985
653.	15.91	2071.	4.976
654.	15.97	2072.	5.008
655.	15.94	2073.	4.986
656.	15.94	2074.	4.987
657.	15.97	2075.	4.974
658.	15.95	2076.	4.952
659.	15.95	2077.	4.939
660.	15.98	2078.	4.976
661.	16.	2079.	4.985
662.	15.98	2080.	4.929
663.	15.99	2081.	4.964
664.	16.	2082.	4.964
665.	16.04	2083.	4.916
666.	16.02	2084.	4.923
667.	16.02	2085.	4.904
668.	16.	2086.	4.915
669.	16.04	2087.	4.897
670.	16.03	2088.	4.895
671.	16.06	2089.	4.901
672.	16.08	2090.	4.897
673.	16.03	2091.	4.898
674.	16.03	2092.	4.884
675.	16.05	2093.	4.876
676.	16.05	2094.	4.869
677.	16.06	2095.	4.853
678.	16.05	2096.	4.886
679.	16.08	2097.	4.872
680.	16.08	2098.	4.886
681.	16.09	2099.	4.866
682.	16.1	2100.	4.844
683.	16.11	2101.	4.832
684.	16.14	2102.	4.842
685.	16.09	2103.	4.841
686.	16.14	2104.	4.845
687.	16.14	2105.	4.854
688.	16.1	2106.	4.805
689.	16.14	2107.	4.807
690.	16.16	2108.	4.832
691.	16.16	2109.	4.814
692.	16.14	2110.	4.797

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	16.23	2111.	4.829
694.	16.19	2112.	4.782
695.	16.15	2113.	4.783
696.	16.19	2114.	4.801
697.	16.2	2115.	4.775
698.	16.19	2116.	4.751
699.	16.2	2117.	4.803
700.	16.22	2118.	4.761
701.	16.2	2119.	4.778
702.	16.24	2120.	4.763
703.	16.23	2121.	4.743
704.	16.26	2122.	4.759
705.	16.23	2123.	4.736
706.	16.24	2124.	4.702
707.	16.26	2125.	4.714
708.	16.29	2126.	4.746
709.	16.27	2127.	4.746
710.	16.28	2128.	4.724
711.	16.28	2129.	4.708
712.	16.29	2130.	4.72
713.	16.32	2131.	4.721
714.	16.32	2132.	4.7
715.	16.34	2133.	4.699
716.	16.31	2134.	4.69
717.	16.3	2135.	4.699
718.	16.34	2136.	4.694
719.	16.33	2137.	4.726
720.	16.35	2138.	4.691
721.	16.37	2139.	4.711
722.	16.34	2140.	4.655
723.	16.34	2141.	4.683
724.	16.31	2142.	4.668
725.	16.38	2143.	4.669
726.	16.35	2144.	4.671
727.	16.37	2145.	4.656
728.	16.39	2146.	4.648
729.	16.38	2147.	4.671
730.	16.43	2148.	4.619
731.	16.39	2149.	4.637
732.	16.41	2150.	4.601
733.	16.44	2151.	4.631
734.	16.44	2152.	4.589
735.	16.44	2153.	4.568
736.	16.42	2154.	4.605
737.	16.41	2155.	4.616
738.	16.44	2156.	4.613
739.	16.47	2157.	4.592
740.	16.46	2158.	4.608
741.	16.46	2159.	4.556
742.	16.48	2160.	4.581
743.	16.49	2161.	4.593
744.	16.52	2162.	4.597
745.	16.49	2163.	4.579
746.	16.5	2164.	4.57
747.	16.53	2165.	4.556
748.	16.53	2166.	4.547
749.	16.5	2167.	4.556
750.	16.53	2168.	4.582
751.	16.52	2169.	4.558
752.	16.54	2170.	4.563
753.	16.55	2171.	4.533
754.	16.53	2172.	4.555
755.	16.52	2173.	4.554
756.	16.55	2174.	4.525
757.	16.54	2175.	4.503
758.	16.57	2176.	4.497

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	16.57	2177.	4.496
760.	16.61	2178.	4.511
761.	16.57	2179.	4.519
762.	16.58	2180.	4.511
763.	16.59	2181.	4.478
764.	16.61	2182.	4.49
765.	16.59	2183.	4.481
766.	16.62	2184.	4.46
767.	16.63	2185.	4.479
768.	16.62	2186.	4.474
769.	16.63	2187.	4.494
770.	16.65	2188.	4.464
771.	16.65	2189.	4.476
772.	16.64	2190.	4.45
773.	16.67	2191.	4.484
774.	16.65	2192.	4.472
775.	16.65	2193.	4.452
776.	16.67	2194.	4.479
777.	16.65	2195.	4.471
778.	16.68	2196.	4.438
779.	16.67	2197.	4.446
780.	16.7	2198.	4.461
781.	16.72	2199.	4.429
782.	16.72	2200.	4.42
783.	16.71	2201.	4.453
784.	16.72	2202.	4.423
785.	16.7	2203.	4.414
786.	16.71	2204.	4.465
787.	16.74	2205.	4.392
788.	16.75	2206.	4.391
789.	16.78	2207.	4.408
790.	16.76	2208.	4.395
791.	16.77	2209.	4.417
792.	16.77	2210.	4.395
793.	16.76	2211.	4.396
794.	16.78	2212.	4.381
795.	16.75	2213.	4.382
796.	16.78	2214.	4.415
797.	16.79	2215.	4.358
798.	16.8	2216.	4.36
799.	16.8	2217.	4.344
800.	16.81	2218.	4.367
801.	16.8	2219.	4.359
802.	16.81	2220.	4.351
803.	16.81	2221.	4.365
804.	16.79	2222.	4.351
805.	16.83	2223.	4.346
806.	16.85	2224.	4.324
807.	16.87	2225.	4.343
808.	16.86	2226.	4.325
809.	16.79	2227.	4.368
810.	16.86	2228.	4.323
811.	16.88	2229.	4.351
812.	16.88	2230.	4.344
813.	16.86	2231.	4.315
814.	16.85	2232.	4.324
815.	16.89	2233.	4.318
816.	16.87	2234.	4.317
817.	16.88	2235.	4.335
818.	16.9	2236.	4.285
819.	16.91	2237.	4.294
820.	16.91	2238.	4.295
821.	16.92	2239.	4.31
822.	16.91	2240.	4.296
823.	16.92	2241.	4.303
824.	16.94	2242.	4.267

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	16.94	2243.	4.291
826.	16.92	2244.	4.283
827.	16.94	2245.	4.295
828.	16.9	2246.	4.275
829.	16.97	2247.	4.247
830.	16.95	2248.	4.265
831.	16.95	2249.	4.253
832.	16.98	2250.	4.283
833.	16.98	2251.	4.273
834.	16.99	2252.	4.237
835.	17.	2253.	4.241
836.	17.	2254.	4.217
837.	16.98	2255.	4.25
838.	16.98	2256.	4.214
839.	17.02	2257.	4.234
840.	17.01	2258.	4.25
841.	17.	2259.	4.212
842.	17.01	2260.	4.211
843.	17.03	2261.	4.208
844.	17.	2262.	4.257
845.	17.05	2263.	4.204
846.	17.01	2264.	4.239
847.	17.06	2265.	4.172
848.	17.08	2266.	4.228
849.	17.05	2267.	4.197
850.	17.07	2268.	4.184
851.	17.07	2269.	4.239
852.	17.05	2270.	4.22
853.	17.06	2271.	4.19
854.	17.09	2272.	4.195
855.	17.09	2273.	4.217
856.	17.06	2274.	4.175
857.	17.07	2275.	4.162
858.	17.09	2276.	4.168
859.	17.08	2277.	4.182
860.	17.11	2278.	4.191
861.	17.11	2279.	4.143
862.	17.13	2280.	4.161
863.	17.14	2281.	4.173
864.	17.12	2282.	4.15
865.	17.14	2283.	4.187
866.	17.08	2284.	4.147
867.	17.15	2285.	4.134
868.	17.15	2286.	4.167
869.	17.16	2287.	4.132
870.	17.14	2288.	4.148
871.	17.16	2289.	4.144
872.	17.14	2290.	4.149
873.	17.15	2291.	4.126
874.	17.2	2292.	4.126
875.	17.16	2293.	4.107
876.	17.19	2294.	4.084
877.	17.21	2295.	4.135
878.	17.22	2296.	4.115
879.	17.19	2297.	4.11
880.	17.22	2298.	4.087
881.	17.21	2299.	4.122
882.	17.18	2300.	4.102
883.	17.18	2301.	4.091
884.	17.23	2302.	4.069
885.	17.27	2303.	4.096
886.	17.23	2304.	4.065
887.	17.24	2305.	4.066
888.	17.23	2306.	4.096
889.	17.22	2307.	4.076
890.	17.23	2308.	4.065

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	17.28	2309.	4.11
892.	17.25	2310.	4.091
893.	17.24	2311.	4.03
894.	17.26	2312.	4.061
895.	17.29	2313.	4.049
896.	17.25	2314.	4.046
897.	17.27	2315.	4.032
898.	17.31	2316.	4.072
899.	17.29	2317.	4.068
900.	17.33	2318.	4.053
901.	17.29	2319.	4.039
902.	17.34	2320.	4.024
903.	17.31	2321.	4.03
904.	17.31	2322.	4.033
905.	17.33	2323.	4.029
906.	17.33	2324.	4.026
907.	17.32	2325.	4.021
908.	17.32	2326.	4.02
909.	17.34	2327.	3.988
910.	17.35	2328.	4.042
911.	17.33	2329.	4.004
912.	17.35	2330.	4.019
913.	17.32	2331.	4.017
914.	17.38	2332.	4.027
915.	17.38	2333.	3.974
916.	17.35	2334.	3.985
917.	17.37	2335.	3.992
918.	17.38	2336.	4.013
919.	17.41	2337.	3.991
920.	17.41	2338.	3.95
921.	17.42	2339.	3.985
922.	17.41	2340.	3.981
923.	17.39	2341.	3.983
924.	17.41	2342.	3.985
925.	17.43	2343.	3.967
926.	17.42	2344.	3.922
927.	17.45	2345.	3.966
928.	17.44	2346.	3.946
929.	17.47	2347.	3.947
930.	17.46	2348.	3.976
931.	17.45	2349.	3.934
932.	17.46	2350.	3.979
933.	17.47	2351.	3.939
934.	17.47	2352.	3.934
935.	17.46	2353.	3.944
936.	17.45	2354.	3.929
937.	17.51	2355.	3.911
938.	17.47	2356.	3.908
939.	17.46	2357.	3.941
940.	17.51	2358.	3.918
941.	17.49	2359.	3.947
942.	17.47	2360.	3.917
943.	17.49	2361.	3.92
944.	17.52	2362.	3.906
945.	17.53	2363.	3.936
946.	17.52	2364.	3.905
947.	17.49	2365.	3.926
948.	17.55	2366.	3.909
949.	17.53	2367.	3.911
950.	17.5	2368.	3.908
951.	17.52	2369.	3.917
952.	17.56	2370.	3.902
953.	17.58	2371.	3.907
954.	17.54	2372.	3.888
955.	17.55	2373.	3.88
956.	17.59	2374.	3.917

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	17.57	2375.	3.901
958.	17.58	2376.	3.883
959.	17.59	2377.	3.86
960.	17.6	2378.	3.889
961.	17.58	2379.	3.855
962.	17.58	2380.	3.855
963.	17.56	2381.	3.848
964.	17.59	2382.	3.872
965.	17.6	2383.	3.85
966.	17.59	2384.	3.85
967.	17.59	2385.	3.853
968.	17.62	2386.	3.879
969.	17.57	2387.	3.862
970.	17.61	2388.	3.835
971.	17.64	2389.	3.859
972.	17.64	2390.	3.843
973.	17.64	2391.	3.826
974.	17.64	2392.	3.821
975.	17.59	2393.	3.801
976.	17.66	2394.	3.837
977.	17.62	2395.	3.821
978.	17.65	2396.	3.821
979.	17.64	2397.	3.81
980.	17.68	2398.	3.823
981.	17.67	2399.	3.777
982.	17.65	2400.	3.819
983.	17.64	2401.	3.817
984.	17.69	2402.	3.81
985.	17.67	2403.	3.775
986.	17.68	2404.	3.801
987.	17.69	2405.	3.782
988.	17.74	2406.	3.801
989.	17.69	2407.	3.758
990.	17.72	2408.	3.794
991.	17.7	2409.	3.73
992.	17.72	2410.	3.763
993.	17.7	2411.	3.759
994.	17.7	2412.	3.772
995.	17.71	2413.	3.741
996.	17.74	2414.	3.777
997.	17.72	2415.	3.756
998.	17.74	2416.	3.764
999.	17.76	2417.	3.776
1000.	17.73	2418.	3.781
1001.	17.76	2419.	3.734
1002.	17.78	2420.	3.747
1003.	17.75	2421.	3.778
1004.	17.77	2422.	3.766
1005.	17.78	2423.	3.734
1006.	17.76	2424.	3.731
1007.	17.78	2425.	3.758
1008.	17.78	2426.	3.71
1009.	17.8	2427.	3.738
1010.	17.78	2428.	3.735
1011.	17.8	2429.	3.739
1012.	17.77	2430.	3.733
1013.	17.78	2431.	3.739
1014.	17.8	2432.	3.729
1015.	17.81	2433.	3.727
1016.	17.81	2434.	3.724
1017.	17.86	2435.	3.709
1018.	17.82	2436.	3.684
1019.	17.8	2437.	3.665
1020.	17.83	2438.	3.683
1021.	17.84	2439.	3.7
1022.	17.82	2440.	3.709

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	17.84	2441.	3.713
1024.	17.86	2442.	3.72
1025.	17.83	2443.	3.682
1026.	17.84	2444.	3.698
1027.	17.86	2445.	3.702
1028.	17.85	2446.	3.681
1029.	17.85	2447.	3.678
1030.	17.88	2448.	3.7
1031.	17.85	2449.	3.662
1032.	17.88	2450.	3.682
1033.	17.88	2451.	3.695
1034.	17.89	2452.	3.649
1035.	17.87	2453.	3.669
1036.	17.9	2454.	3.649
1037.	17.89	2455.	3.66
1038.	17.92	2456.	3.674
1039.	17.87	2457.	3.636
1040.	17.9	2458.	3.679
1041.	17.92	2459.	3.628
1042.	17.91	2460.	3.659
1043.	17.92	2461.	3.66
1044.	17.91	2462.	3.652
1045.	17.93	2463.	3.67
1046.	17.92	2464.	3.618
1047.	17.94	2465.	3.62
1048.	17.94	2466.	3.64
1049.	17.94	2467.	3.655
1050.	17.95	2468.	3.627
1051.	17.92	2469.	3.613
1052.	17.94	2470.	3.593
1053.	17.95	2471.	3.599
1054.	17.96	2472.	3.598
1055.	17.95	2473.	3.609
1056.	17.95	2474.	3.603
1057.	17.93	2475.	3.609
1058.	17.96	2476.	3.607
1059.	17.97	2477.	3.581
1060.	17.97	2478.	3.591
1061.	17.98	2479.	3.585
1062.	17.97	2480.	3.58
1063.	17.98	2481.	3.581
1064.	17.95	2482.	3.566
1065.	17.99	2483.	3.61
1066.	18.	2484.	3.613
1067.	17.97	2485.	3.583
1068.	17.98	2486.	3.596
1069.	18.01	2487.	3.612
1070.	18.05	2488.	3.573
1071.	18.02	2489.	3.597
1072.	18.03	2490.	3.582
1073.	17.99	2491.	3.585
1074.	18.02	2492.	3.552
1075.	18.05	2493.	3.559
1076.	18.07	2494.	3.566
1077.	18.03	2495.	3.56
1078.	18.05	2496.	3.548
1079.	18.06	2497.	3.556
1080.	18.06	2498.	3.544
1081.	18.1	2499.	3.538
1082.	18.06	2500.	3.541
1083.	18.06	2501.	3.575
1084.	18.09	2502.	3.555
1085.	18.08	2503.	3.544
1086.	18.05	2504.	3.527
1087.	18.06	2505.	3.535
1088.	18.07	2506.	3.54

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	18.07	2507.	3.514
1090.	18.06	2508.	3.529
1091.	18.08	2509.	3.496
1092.	18.09	2510.	3.536
1093.	18.08	2511.	3.529
1094.	18.11	2512.	3.534
1095.	18.09	2513.	3.518
1096.	18.12	2514.	3.503
1097.	18.12	2515.	3.482
1098.	18.1	2516.	3.492
1099.	18.09	2517.	3.513
1100.	18.12	2518.	3.476
1101.	18.11	2519.	3.494
1102.	18.12	2520.	3.47
1103.	18.13	2521.	3.482
1104.	18.15	2522.	3.478
1105.	18.16	2523.	3.477
1106.	18.15	2524.	3.49
1107.	18.15	2525.	3.493
1108.	18.17	2526.	3.483
1109.	18.15	2527.	3.469
1110.	18.14	2528.	3.449
1111.	18.14	2529.	3.476
1112.	18.17	2530.	3.482
1113.	18.18	2531.	3.457
1114.	18.19	2532.	3.454
1115.	18.17	2533.	3.43
1116.	18.19	2534.	3.476
1117.	18.17	2535.	3.458
1118.	18.18	2536.	3.464
1119.	18.23	2537.	3.473
1120.	18.18	2538.	3.455
1121.	18.23	2539.	3.435
1122.	18.21	2540.	3.458
1123.	18.18	2541.	3.423
1124.	18.19	2542.	3.436
1125.	18.22	2543.	3.443
1126.	18.25	2544.	3.414
1127.	18.25	2545.	3.43
1128.	18.24	2546.	3.434
1129.	18.19	2547.	3.443
1130.	18.25	2548.	3.426
1131.	18.24	2549.	3.429
1132.	18.25	2550.	3.426
1133.	18.27	2551.	3.438
1134.	18.25	2552.	3.434
1135.	18.24	2553.	3.413
1136.	18.21	2554.	3.427
1137.	18.25	2555.	3.425
1138.	18.26	2556.	3.404
1139.	18.28	2557.	3.401
1140.	18.28	2558.	3.393
1141.	18.25	2559.	3.398
1142.	18.27	2560.	3.353
1143.	18.29	2561.	3.406
1144.	18.28	2562.	3.388
1145.	18.26	2563.	3.395
1146.	18.3	2564.	3.397
1147.	18.29	2565.	3.38
1148.	18.3	2566.	3.383
1149.	18.26	2567.	3.401
1150.	18.28	2568.	3.372
1151.	18.27	2569.	3.392
1152.	18.31	2570.	3.384
1153.	18.29	2571.	3.397
1154.	18.3	2572.	3.365

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	18.33	2573.	3.359
1156.	18.29	2574.	3.347
1157.	18.31	2575.	3.364
1158.	18.34	2576.	3.356
1159.	18.31	2577.	3.329
1160.	18.32	2578.	3.331
1161.	18.33	2579.	3.356
1162.	18.32	2580.	3.33
1163.	18.37	2581.	3.328
1164.	18.36	2582.	3.342
1165.	18.36	2583.	3.323
1166.	18.36	2584.	3.348
1167.	18.36	2585.	3.338
1168.	18.36	2586.	3.343
1169.	18.36	2587.	3.318
1170.	18.34	2588.	3.318
1171.	18.37	2589.	3.331
1172.	18.33	2590.	3.317
1173.	18.4	2591.	3.287
1174.	18.39	2592.	3.3
1175.	18.38	2593.	3.323
1176.	18.38	2594.	3.348
1177.	18.38	2595.	3.335
1178.	18.39	2596.	3.283
1179.	18.37	2597.	3.328
1180.	18.35	2598.	3.328
1181.	18.37	2599.	3.304
1182.	18.32	2600.	3.274
1183.	18.27	2601.	3.292
1184.	18.22	2602.	3.309
1185.	18.16	2603.	3.308
1186.	18.12	2604.	3.319
1187.	18.06	2605.	3.298
1188.	17.99	2606.	3.296
1189.	17.94	2607.	3.283
1190.	17.92	2608.	3.291
1191.	17.87	2609.	3.275
1192.	17.82	2610.	3.258
1193.	17.75	2611.	3.278
1194.	17.68	2612.	3.284
1195.	17.66	2613.	3.265
1196.	17.57	2614.	3.301
1197.	17.59	2615.	3.281
1198.	17.53	2616.	3.292
1199.	17.51	2617.	3.24
1200.	17.46	2618.	3.276
1201.	17.44	2619.	3.265
1202.	17.44	2620.	3.233
1203.	17.38	2621.	3.253
1204.	17.33	2622.	3.301
1205.	17.32	2623.	3.276
1206.	17.3	2624.	3.25
1207.	17.25	2625.	3.247
1208.	17.23	2626.	3.258
1209.	17.22	2627.	3.239
1210.	17.17	2628.	3.25
1211.	17.17	2629.	3.242
1212.	17.13	2630.	3.251
1213.	17.13	2631.	3.228
1214.	17.13	2632.	3.251
1215.	17.09	2633.	3.25
1216.	17.06	2634.	3.212
1217.	17.03	2635.	3.24
1218.	17.03	2636.	3.243
1219.	17.01	2637.	3.224
1220.	16.97	2638.	3.19

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	16.94	2639.	3.192
1222.	16.93	2640.	3.223
1223.	16.92	2641.	3.189
1224.	16.9	2642.	3.226
1225.	16.92	2643.	3.219
1226.	16.9	2644.	3.237
1227.	16.92	2645.	3.188
1228.	16.92	2646.	3.2
1229.	16.99	2647.	3.222
1230.	17.	2648.	3.188
1231.	17.02	2649.	3.202
1232.	17.06	2650.	3.176
1233.	17.08	2651.	3.195
1234.	17.15	2652.	3.18
1235.	17.12	2653.	3.193
1236.	17.19	2654.	3.201
1237.	17.21	2655.	3.187
1238.	17.27	2656.	3.188
1239.	17.3	2657.	3.194
1240.	17.32	2658.	3.173
1241.	17.39	2659.	3.196
1242.	17.38	2660.	3.148
1243.	17.44	2661.	3.178
1244.	17.42	2662.	3.176
1245.	17.48	2663.	3.196
1246.	17.49	2664.	3.169
1247.	17.5	2665.	3.163
1248.	17.56	2666.	3.149
1249.	17.56	2667.	3.157
1250.	17.59	2668.	3.16
1251.	17.63	2669.	3.172
1252.	17.6	2670.	3.144
1253.	17.67	2671.	3.146
1254.	17.64	2672.	3.133
1255.	17.69	2673.	3.149
1256.	17.72	2674.	3.128
1257.	17.73	2675.	3.142
1258.	17.75	2676.	3.151
1259.	17.76	2677.	3.139
1260.	17.82	2678.	3.134
1261.	17.81	2679.	3.116
1262.	17.82	2680.	3.088
1263.	17.82	2681.	3.127
1264.	17.83	2682.	3.154
1265.	17.88	2683.	3.142
1266.	17.88	2684.	3.114
1267.	17.88	2685.	3.111
1268.	17.88	2686.	3.11
1269.	17.95	2687.	3.118
1270.	17.95	2688.	3.133
1271.	17.93	2689.	3.1
1272.	17.97	2690.	3.109
1273.	17.97	2691.	3.133
1274.	17.97	2692.	3.103
1275.	18.	2693.	3.12
1276.	18.01	2694.	3.088
1277.	18.03	2695.	3.113
1278.	18.02	2696.	3.083
1279.	18.04	2697.	3.074
1280.	18.1	2698.	3.091
1281.	18.05	2699.	3.064
1282.	18.07	2700.	3.103
1283.	18.08	2701.	3.065
1284.	18.11	2702.	3.06
1285.	18.1	2703.	3.087
1286.	18.1	2704.	3.077

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	18.14	2705.	3.095
1288.	18.15	2706.	3.021
1289.	18.15	2707.	3.099
1290.	18.13	2708.	3.051
1291.	18.14	2709.	3.057
1292.	18.17	2710.	3.075
1293.	18.16	2711.	3.06
1294.	18.16	2712.	3.042
1295.	18.17	2713.	3.029
1296.	18.23	2714.	3.07
1297.	18.18	2715.	3.037
1298.	18.21	2716.	3.033
1299.	18.2	2717.	3.028
1300.	18.23	2718.	3.037
1301.	18.21	2719.	3.034
1302.	18.24	2720.	3.041
1303.	18.23	2721.	3.068
1304.	18.22	2722.	3.038
1305.	18.24	2723.	3.043
1306.	18.25	2724.	3.03
1307.	18.26	2725.	3.026
1308.	18.28	2726.	3.019
1309.	18.27	2727.	3.035
1310.	18.27	2728.	3.025
1311.	18.31	2729.	3.03
1312.	18.3	2730.	3.029
1313.	18.32	2731.	3.021
1314.	18.32	2732.	3.02
1315.	18.3	2733.	3.043
1316.	18.31	2734.	3.017
1317.	18.33	2735.	3.012
1318.	18.32	2736.	3.038
1319.	18.32	2737.	3.034
1320.	18.35	2738.	3.034
1321.	18.35	2739.	3.009
1322.	18.35	2740.	2.973
1323.	18.35	2741.	3.024
1324.	18.38	2742.	3.02
1325.	18.35	2743.	3.
1326.	18.39	2744.	3.002
1327.	18.38	2745.	2.975
1328.	18.39	2746.	3.
1329.	18.39	2747.	2.987
1330.	18.42	2748.	2.967
1331.	18.44	2749.	2.988
1332.	18.4	2750.	2.971
1333.	18.42	2751.	2.974
1334.	18.43	2752.	2.964
1335.	18.43	2753.	3.015
1336.	18.47	2754.	2.971
1337.	18.45	2755.	2.989
1338.	18.41	2756.	2.98
1339.	18.47	2757.	2.976
1340.	18.47	2758.	2.959
1341.	18.49	2759.	2.966
1342.	18.49	2760.	2.938
1343.	18.47	2761.	2.952
1344.	18.47	2762.	2.976
1345.	18.52	2763.	2.975
1346.	18.52	2764.	2.927
1347.	18.52	2765.	2.936
1348.	18.53	2766.	2.937
1349.	18.55	2767.	2.943
1350.	18.51	2768.	2.929
1351.	18.54	2769.	2.95
1352.	18.54	2770.	2.963

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	18.53	2771.	2.953
1354.	18.54	2772.	2.978
1355.	18.54	2773.	2.92
1356.	18.53	2774.	2.923
1357.	18.57	2775.	2.924
1358.	18.56	2776.	2.944
1359.	18.57	2777.	2.943
1360.	18.57	2778.	2.896
1361.	18.58	2779.	2.921
1362.	18.58	2780.	2.868
1363.	18.6	2781.	2.925
1364.	18.6	2782.	2.894
1365.	18.61	2783.	2.921
1366.	18.62	2784.	2.916
1367.	18.64	2785.	2.921
1368.	18.63	2786.	2.933
1369.	18.63	2787.	2.867
1370.	18.61	2788.	2.876
1371.	18.62	2789.	2.91
1372.	18.65	2790.	2.913
1373.	18.66	2791.	2.902
1374.	18.64	2792.	2.892
1375.	18.63	2793.	2.902
1376.	18.68	2794.	2.907
1377.	18.65	2795.	2.901
1378.	18.67	2796.	2.914
1379.	18.71	2797.	2.894
1380.	18.65	2798.	2.884
1381.	18.67	2799.	2.868
1382.	18.69	2800.	2.886
1383.	18.68	2801.	2.908
1384.	18.69	2802.	2.903
1385.	18.7	2803.	2.866
1386.	18.69	2804.	2.872
1387.	18.71	2805.	2.867
1388.	18.7	2806.	2.878
1389.	18.74	2807.	2.87
1390.	18.75	2808.	2.893
1391.	18.72	2809.	2.842
1392.	18.71	2810.	2.852
1393.	18.74	2811.	2.871
1394.	18.74	2812.	2.867
1395.	18.78	2813.	2.862
1396.	18.75	2814.	2.884
1397.	18.77	2815.	2.858
1398.	18.73	2816.	2.834
1399.	18.78	2817.	2.882
1400.	18.76	2818.	2.842
1401.	18.75	2819.	2.87
1402.	18.77	2820.	2.878
1403.	18.79	2821.	2.873
1404.	18.8	2822.	2.86
1405.	18.79	2823.	2.838
1406.	18.78	2824.	2.86
1407.	18.81	2825.	2.83
1408.	18.84	2826.	2.866
1409.	18.79	2827.	2.838
1410.	18.8	2828.	2.845
1411.	18.81	2829.	2.822
1412.	18.79	2830.	2.85
1413.	18.8	2831.	2.811
1414.	18.83	2832.	2.828
1415.	18.84	2833.	2.842
1416.	18.81	2834.	2.878
1417.	18.85	2835.	2.85
1418.	18.86		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1299.9	ft^2/day
S	0.0001	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.25 ft/day (0.005732 cm/sec)
Ss = S/b = 1.251E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1271.	2.847	+/- 5.583	446.4	ft^2/day
S	6.675E-5	4.393E-7	+/- 8.615E-7	152.	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.89 ft/day (0.005605 cm/sec)
Ss = S/b = 8.344E-7 1/ft

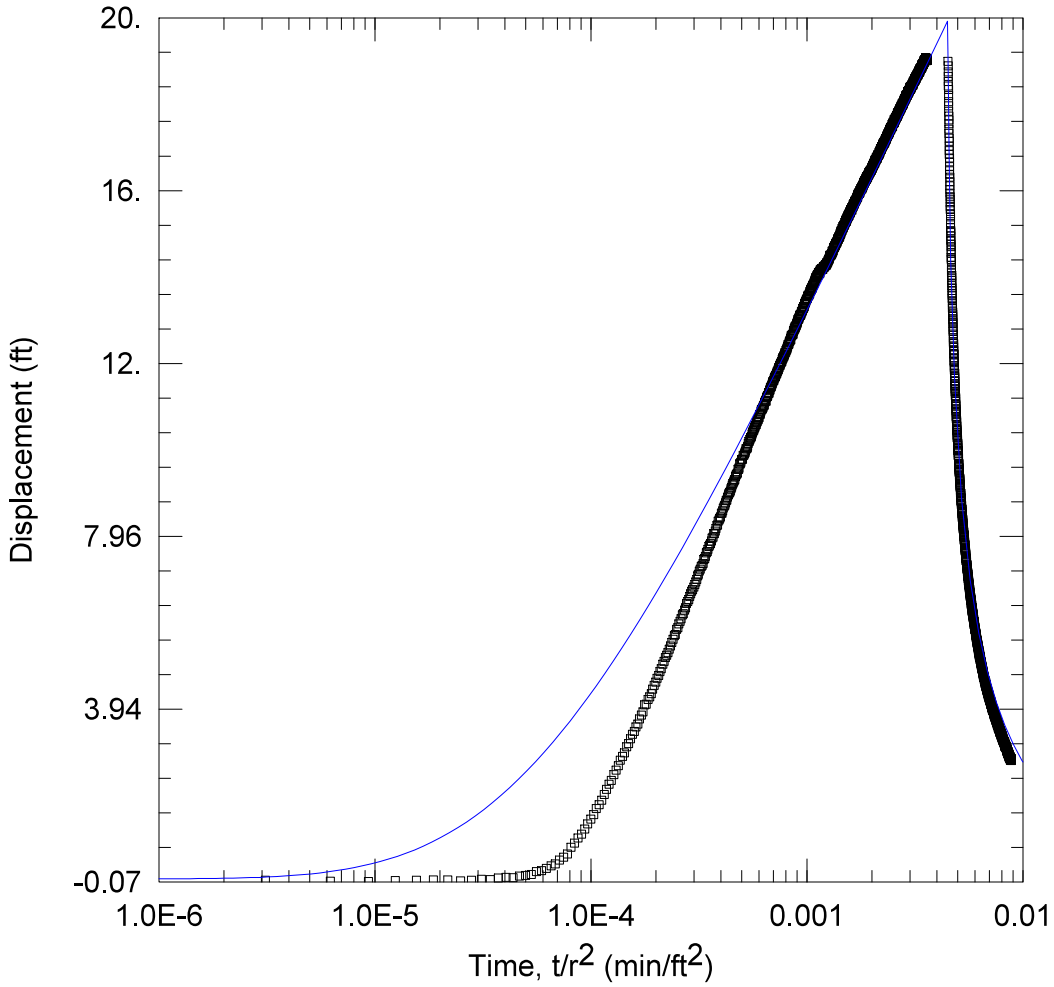
Parameter Correlations

	T	S
T	1.00	-0.87
S	-0.87	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 795.1 ft^2
Variance . . . . . 0.2807 ft^2
Std. Deviation . . . . . 0.5298 ft
Mean . . . . . -0.1241 ft
No. of Residuals 2835
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW14.aqt
Date: 04/11/25 Time: 12:05:41

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW14	702	508

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1261.1 ft^2/day
S = 6.163E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:42:33

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW14

X Location: 702. ft
Y Location: 508. ft

Radial distance from BM 1B: 566.6462741 ft
Radial distance from BM2A: 905.6765427 ft
Radial distance from BM3: 215.7452201 ft
Radial distance from BM 4 : 349.2849839 ft
Radial distance from BM5: 614.6909793 ft
Radial distance from BM 6: 854.2037228 ft
Radial distance from BM7: 1088.606449 ft
Radial distance from BM9: 1670.844397 ft

Fully Penetrating Well

No. of Observations: 2559

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.03489	1564.	11.27
2.	-0.05585	1565.	11.22
3.	-0.06213	1566.	11.19
4.	-0.03926	1567.	11.16
5.	-0.03394	1568.	11.15
6.	-0.02517	1569.	11.1
7.	-0.02308	1570.	11.04
8.	-0.0507	1571.	11.02
9.	-0.03587	1572.	11.
10.	-0.01376	1573.	10.97
11.	-0.016	1574.	10.92
12.	0.0211	1575.	10.92
13.	0.03555	1576.	10.87
14.	0.0242	1577.	10.86
15.	0.06631	1578.	10.82
16.	0.07902	1579.	10.74
17.	0.09774	1580.	10.74
18.	0.1676	1581.	10.73
19.	0.1897	1582.	10.69
20.	0.2395	1583.	10.66
21.	0.3014	1584.	10.64
22.	0.3499	1585.	10.61
23.	0.4365	1586.	10.6
24.	0.5049	1587.	10.51
25.	0.5799	1588.	10.52
26.	0.7296	1589.	10.45
27.	0.8286	1590.	10.44
28.	0.9517	1591.	10.41
29.	1.034	1592.	10.4
30.	1.155	1593.	10.36
31.	1.277	1594.	10.31
32.	1.388	1595.	10.31

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.493	1596.	10.28
34.	1.636	1597.	10.25
35.	1.724	1598.	10.24
36.	1.829	1599.	10.21
37.	1.96	1600.	10.18
38.	2.075	1601.	10.15
39.	2.198	1602.	10.1
40.	2.285	1603.	10.11
41.	2.419	1604.	10.11
42.	2.526	1605.	10.07
43.	2.626	1606.	10.03
44.	2.753	1607.	9.992
45.	2.841	1608.	9.946
46.	2.926	1609.	9.955
47.	3.07	1610.	9.939
48.	3.142	1611.	9.943
49.	3.25	1612.	9.891
50.	3.353	1613.	9.829
51.	3.427	1614.	9.846
52.	3.526	1615.	9.8
53.	3.592	1616.	9.79
54.	3.714	1617.	9.762
55.	3.799	1618.	9.761
56.	3.874	1619.	9.701
57.	4.039	1620.	9.649
58.	4.057	1621.	9.648
59.	4.168	1622.	9.656
60.	4.226	1623.	9.623
61.	4.303	1624.	9.578
62.	4.408	1625.	9.541
63.	4.493	1626.	9.547
64.	4.566	1627.	9.507
65.	4.66	1628.	9.494
66.	4.725	1629.	9.481
67.	4.814	1630.	9.449
68.	4.884	1631.	9.435
69.	4.986	1632.	9.422
70.	5.049	1633.	9.381
71.	5.14	1634.	9.374
72.	5.19	1635.	9.355
73.	5.253	1636.	9.343
74.	5.335	1637.	9.313
75.	5.41	1638.	9.294
76.	5.487	1639.	9.282
77.	5.565	1640.	9.258
78.	5.646	1641.	9.235
79.	5.674	1642.	9.214
80.	5.798	1643.	9.177
81.	5.828	1644.	9.145
82.	5.92	1645.	9.166
83.	5.98	1646.	9.136
84.	6.039	1647.	9.119
85.	6.128	1648.	9.093
86.	6.158	1649.	9.09
87.	6.24	1650.	9.07
88.	6.292	1651.	9.028
89.	6.399	1652.	9.015
90.	6.443	1653.	8.972
91.	6.483	1654.	8.958
92.	6.56	1655.	8.944
93.	6.618	1656.	8.961
94.	6.683	1657.	8.911
95.	6.716	1658.	8.902
96.	6.777	1659.	8.868
97.	6.834	1660.	8.853
98.	6.894	1661.	8.852

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	6.958	1662.	8.814
100.	7.033	1663.	8.781
101.	7.075	1664.	8.772
102.	7.145	1665.	8.765
103.	7.191	1666.	8.752
104.	7.253	1667.	8.725
105.	7.282	1668.	8.726
106.	7.323	1669.	8.695
107.	7.417	1670.	8.687
108.	7.441	1671.	8.67
109.	7.488	1672.	8.586
110.	7.568	1673.	8.607
111.	7.601	1674.	8.594
112.	7.654	1675.	8.588
113.	7.721	1676.	8.556
114.	7.753	1677.	8.58
115.	7.787	1678.	8.541
116.	7.848	1679.	8.522
117.	7.912	1680.	8.487
118.	7.932	1681.	8.468
119.	8.02	1682.	8.49
120.	8.019	1683.	8.443
121.	8.073	1684.	8.408
122.	8.139	1685.	8.419
123.	8.206	1686.	8.384
124.	8.22	1687.	8.389
125.	8.304	1688.	8.35
126.	8.335	1689.	8.357
127.	8.371	1690.	8.337
128.	8.405	1691.	8.319
129.	8.491	1692.	8.3
130.	8.495	1693.	8.285
131.	8.549	1694.	8.267
132.	8.613	1695.	8.254
133.	8.654	1696.	8.217
134.	8.68	1697.	8.208
135.	8.729	1698.	8.222
136.	8.783	1699.	8.191
137.	8.797	1700.	8.157
138.	8.866	1701.	8.176
139.	8.915	1702.	8.148
140.	8.953	1703.	8.131
141.	8.977	1704.	8.134
142.	9.005	1705.	8.118
143.	9.06	1706.	8.088
144.	9.098	1707.	8.059
145.	9.149	1708.	8.056
146.	9.188	1709.	8.056
147.	9.212	1710.	8.025
148.	9.247	1711.	7.995
149.	9.272	1712.	7.999
150.	9.338	1713.	7.987
151.	9.383	1714.	7.987
152.	9.402	1715.	7.958
153.	9.427	1716.	7.958
154.	9.515	1717.	7.941
155.	9.517	1718.	7.918
156.	9.545	1719.	7.896
157.	9.644	1720.	7.865
158.	9.642	1721.	7.872
159.	9.678	1722.	7.866
160.	9.74	1723.	7.846
161.	9.743	1724.	7.816
162.	9.75	1725.	7.82
163.	9.832	1726.	7.752
164.	9.839	1727.	7.791

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	9.874	1728.	7.776
166.	9.903	1729.	7.763
167.	9.936	1730.	7.76
168.	9.992	1731.	7.755
169.	9.988	1732.	7.745
170.	10.01	1733.	7.682
171.	10.05	1734.	7.69
172.	10.11	1735.	7.654
173.	10.16	1736.	7.677
174.	10.16	1737.	7.627
175.	10.2	1738.	7.644
176.	10.25	1739.	7.618
177.	10.25	1740.	7.612
178.	10.28	1741.	7.601
179.	10.33	1742.	7.581
180.	10.37	1743.	7.597
181.	10.4	1744.	7.554
182.	10.42	1745.	7.559
183.	10.45	1746.	7.551
184.	10.48	1747.	7.546
185.	10.5	1748.	7.517
186.	10.54	1749.	7.488
187.	10.56	1750.	7.462
188.	10.6	1751.	7.463
189.	10.62	1752.	7.431
190.	10.66	1753.	7.448
191.	10.67	1754.	7.436
192.	10.71	1755.	7.427
193.	10.72	1756.	7.424
194.	10.79	1757.	7.385
195.	10.79	1758.	7.384
196.	10.81	1759.	7.396
197.	10.87	1760.	7.377
198.	10.91	1761.	7.365
199.	10.91	1762.	7.365
200.	10.92	1763.	7.352
201.	10.95	1764.	7.301
202.	10.99	1765.	7.297
203.	11.	1766.	7.299
204.	11.01	1767.	7.301
205.	11.06	1768.	7.285
206.	11.09	1769.	7.246
207.	11.12	1770.	7.257
208.	11.1	1771.	7.229
209.	11.19	1772.	7.198
210.	11.21	1773.	7.201
211.	11.21	1774.	7.233
212.	11.24	1775.	7.191
213.	11.28	1776.	7.188
214.	11.3	1777.	7.15
215.	11.28	1778.	7.153
216.	11.34	1779.	7.132
217.	11.37	1780.	7.134
218.	11.41	1781.	7.129
219.	11.43	1782.	7.133
220.	11.44	1783.	7.116
221.	11.47	1784.	7.087
222.	11.5	1785.	7.085
223.	11.54	1786.	7.083
224.	11.55	1787.	7.072
225.	11.58	1788.	7.036
226.	11.58	1789.	7.03
227.	11.62	1790.	7.036
228.	11.65	1791.	7.017
229.	11.67	1792.	7.007
230.	11.67	1793.	7.011

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	11.7	1794.	6.968
232.	11.73	1795.	6.965
233.	11.74	1796.	6.97
234.	11.78	1797.	6.919
235.	11.79	1798.	6.953
236.	11.82	1799.	6.911
237.	11.83	1800.	6.917
238.	11.87	1801.	6.923
239.	11.88	1802.	6.874
240.	11.93	1803.	6.897
241.	11.92	1804.	6.87
242.	11.96	1805.	6.874
243.	11.98	1806.	6.856
244.	11.99	1807.	6.834
245.	12.02	1808.	6.837
246.	12.02	1809.	6.836
247.	12.07	1810.	6.831
248.	12.1	1811.	6.83
249.	12.08	1812.	6.803
250.	12.12	1813.	6.797
251.	12.13	1814.	6.758
252.	12.16	1815.	6.774
253.	12.18	1816.	6.769
254.	12.2	1817.	6.76
255.	12.23	1818.	6.722
256.	12.23	1819.	6.746
257.	12.27	1820.	6.734
258.	12.29	1821.	6.718
259.	12.29	1822.	6.694
260.	12.32	1823.	6.684
261.	12.35	1824.	6.669
262.	12.37	1825.	6.643
263.	12.41	1826.	6.648
264.	12.41	1827.	6.656
265.	12.43	1828.	6.643
266.	12.47	1829.	6.633
267.	12.49	1830.	6.618
268.	12.5	1831.	6.608
269.	12.52	1832.	6.6
270.	12.56	1833.	6.572
271.	12.52	1834.	6.575
272.	12.61	1835.	6.563
273.	12.61	1836.	6.551
274.	12.63	1837.	6.572
275.	12.64	1838.	6.551
276.	12.64	1839.	6.53
277.	12.66	1840.	6.537
278.	12.7	1841.	6.529
279.	12.74	1842.	6.5
280.	12.74	1843.	6.51
281.	12.79	1844.	6.471
282.	12.76	1845.	6.491
283.	12.82	1846.	6.478
284.	12.8	1847.	6.465
285.	12.84	1848.	6.479
286.	12.85	1849.	6.471
287.	12.86	1850.	6.469
288.	12.88	1851.	6.411
289.	12.91	1852.	6.427
290.	12.91	1853.	6.418
291.	12.95	1854.	6.391
292.	12.99	1855.	6.376
293.	13.	1856.	6.362
294.	13.01	1857.	6.386
295.	13.01	1858.	6.384
296.	13.05	1859.	6.353

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	13.06	1860.	6.361
298.	13.09	1861.	6.351
299.	13.11	1862.	6.307
300.	13.09	1863.	6.335
301.	13.11	1864.	6.299
302.	13.13	1865.	6.299
303.	13.18	1866.	6.297
304.	13.16	1867.	6.284
305.	13.19	1868.	6.28
306.	13.2	1869.	6.233
307.	13.26	1870.	6.246
308.	13.26	1871.	6.254
309.	13.25	1872.	6.232
310.	13.3	1873.	6.261
311.	13.29	1874.	6.229
312.	13.3	1875.	6.203
313.	13.34	1876.	6.199
314.	13.37	1877.	6.18
315.	13.36	1878.	6.184
316.	13.39	1879.	6.202
317.	13.39	1880.	6.19
318.	13.42	1881.	6.182
319.	13.45	1882.	6.147
320.	13.45	1883.	6.163
321.	13.46	1884.	6.15
322.	13.48	1885.	6.143
323.	13.49	1886.	6.15
324.	13.53	1887.	6.106
325.	13.54	1888.	6.145
326.	13.56	1889.	6.12
327.	13.56	1890.	6.097
328.	13.56	1891.	6.083
329.	13.57	1892.	6.098
330.	13.61	1893.	6.057
331.	13.59	1894.	6.088
332.	13.65	1895.	6.064
333.	13.66	1896.	6.042
334.	13.67	1897.	6.033
335.	13.69	1898.	6.034
336.	13.7	1899.	6.02
337.	13.69	1900.	6.027
338.	13.72	1901.	6.008
339.	13.74	1902.	6.015
340.	13.72	1903.	5.991
341.	13.78	1904.	5.982
342.	13.77	1905.	5.982
343.	13.79	1906.	5.94
344.	13.81	1907.	5.969
345.	13.81	1908.	5.977
346.	13.83	1909.	5.946
347.	13.86	1910.	5.962
348.	13.88	1911.	5.973
349.	13.88	1912.	5.94
350.	13.89	1913.	5.911
351.	13.91	1914.	5.907
352.	13.94	1915.	5.9
353.	13.96	1916.	5.897
354.	13.96	1917.	5.917
355.	13.97	1918.	5.884
356.	13.98	1919.	5.838
357.	13.98	1920.	5.853
358.	14.02	1921.	5.867
359.	14.03	1922.	5.804
360.	14.02	1923.	5.851
361.	14.04	1924.	5.837
362.	14.03	1925.	5.847

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	14.08	1926.	5.807
364.	14.06	1927.	5.807
365.	14.05	1928.	5.808
366.	14.06	1929.	5.795
367.	14.1	1930.	5.778
368.	14.08	1931.	5.798
369.	14.07	1932.	5.796
370.	14.14	1933.	5.793
371.	14.15	1934.	5.787
372.	14.13	1935.	5.797
373.	14.13	1936.	5.758
374.	14.16	1937.	5.734
375.	14.16	1938.	5.758
376.	14.17	1939.	5.747
377.	14.17	1940.	5.729
378.	14.17	1941.	5.722
379.	14.18	1942.	5.714
380.	14.17	1943.	5.685
381.	14.16	1944.	5.714
382.	14.19	1945.	5.714
383.	14.22	1946.	5.699
384.	14.2	1947.	5.664
385.	14.21	1948.	5.667
386.	14.21	1949.	5.673
387.	14.23	1950.	5.644
388.	14.23	1951.	5.648
389.	14.23	1952.	5.66
390.	14.25	1953.	5.662
391.	14.24	1954.	5.615
392.	14.26	1955.	5.637
393.	14.25	1956.	5.599
394.	14.27	1957.	5.611
395.	14.26	1958.	5.605
396.	14.29	1959.	5.599
397.	14.31	1960.	5.578
398.	14.28	1961.	5.592
399.	14.31	1962.	5.557
400.	14.32	1963.	5.543
401.	14.32	1964.	5.543
402.	14.34	1965.	5.578
403.	14.37	1966.	5.562
404.	14.37	1967.	5.534
405.	14.39	1968.	5.537
406.	14.39	1969.	5.516
407.	14.41	1970.	5.527
408.	14.42	1971.	5.498
409.	14.44	1972.	5.532
410.	14.46	1973.	5.51
411.	14.49	1974.	5.476
412.	14.48	1975.	5.486
413.	14.48	1976.	5.516
414.	14.49	1977.	5.482
415.	14.5	1978.	5.471
416.	14.5	1979.	5.471
417.	14.52	1980.	5.476
418.	14.51	1981.	5.466
419.	14.52	1982.	5.458
420.	14.54	1983.	5.448
421.	14.58	1984.	5.423
422.	14.55	1985.	5.439
423.	14.58	1986.	5.398
424.	14.58	1987.	5.403
425.	14.6	1988.	5.397
426.	14.63	1989.	5.404
427.	14.66	1990.	5.397
428.	14.65	1991.	5.426

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	14.65	1992.	5.403
430.	14.69	1993.	5.38
431.	14.66	1994.	5.402
432.	14.68	1995.	5.363
433.	14.71	1996.	5.378
434.	14.71	1997.	5.368
435.	14.71	1998.	5.345
436.	14.76	1999.	5.326
437.	14.74	2000.	5.305
438.	14.75	2001.	5.34
439.	14.76	2002.	5.321
440.	14.78	2003.	5.308
441.	14.79	2004.	5.315
442.	14.79	2005.	5.298
443.	14.8	2006.	5.33
444.	14.81	2007.	5.283
445.	14.84	2008.	5.306
446.	14.87	2009.	5.295
447.	14.85	2010.	5.265
448.	14.86	2011.	5.259
449.	14.86	2012.	5.246
450.	14.91	2013.	5.26
451.	14.9	2014.	5.262
452.	14.89	2015.	5.232
453.	14.9	2016.	5.241
454.	14.91	2017.	5.211
455.	14.94	2018.	5.211
456.	14.93	2019.	5.213
457.	14.96	2020.	5.229
458.	14.99	2021.	5.193
459.	14.97	2022.	5.174
460.	15.	2023.	5.228
461.	15.03	2024.	5.173
462.	15.	2025.	5.213
463.	15.05	2026.	5.195
464.	15.05	2027.	5.182
465.	15.07	2028.	5.154
466.	15.05	2029.	5.156
467.	15.07	2030.	5.126
468.	15.11	2031.	5.157
469.	15.12	2032.	5.163
470.	15.11	2033.	5.168
471.	15.12	2034.	5.176
472.	15.15	2035.	5.14
473.	15.12	2036.	5.137
474.	15.16	2037.	5.132
475.	15.17	2038.	5.132
476.	15.18	2039.	5.117
477.	15.18	2040.	5.116
478.	15.19	2041.	5.084
479.	15.18	2042.	5.088
480.	15.2	2043.	5.091
481.	15.2	2044.	5.105
482.	15.24	2045.	5.064
483.	15.24	2046.	5.074
484.	15.26	2047.	5.053
485.	15.26	2048.	5.064
486.	15.3	2049.	5.042
487.	15.28	2050.	5.038
488.	15.3	2051.	5.06
489.	15.32	2052.	5.015
490.	15.28	2053.	5.048
491.	15.32	2054.	5.031
492.	15.34	2055.	5.039
493.	15.35	2056.	5.02
494.	15.37	2057.	5.

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	15.35	2058.	5.03
496.	15.36	2059.	5.012
497.	15.4	2060.	5.011
498.	15.38	2061.	4.989
499.	15.38	2062.	4.988
500.	15.41	2063.	4.953
501.	15.44	2064.	4.974
502.	15.42	2065.	4.967
503.	15.41	2066.	4.957
504.	15.44	2067.	4.936
505.	15.46	2068.	4.955
506.	15.47	2069.	4.952
507.	15.47	2070.	4.945
508.	15.48	2071.	4.909
509.	15.51	2072.	4.923
510.	15.47	2073.	4.939
511.	15.51	2074.	4.945
512.	15.51	2075.	4.909
513.	15.54	2076.	4.919
514.	15.54	2077.	4.91
515.	15.54	2078.	4.884
516.	15.54	2079.	4.907
517.	15.56	2080.	4.871
518.	15.56	2081.	4.882
519.	15.54	2082.	4.867
520.	15.59	2083.	4.893
521.	15.6	2084.	4.867
522.	15.59	2085.	4.87
523.	15.62	2086.	4.864
524.	15.62	2087.	4.856
525.	15.61	2088.	4.838
526.	15.64	2089.	4.827
527.	15.67	2090.	4.855
528.	15.66	2091.	4.833
529.	15.68	2092.	4.822
530.	15.66	2093.	4.842
531.	15.68	2094.	4.814
532.	15.68	2095.	4.812
533.	15.71	2096.	4.807
534.	15.7	2097.	4.826
535.	15.73	2098.	4.807
536.	15.74	2099.	4.809
537.	15.73	2100.	4.799
538.	15.75	2101.	4.764
539.	15.76	2102.	4.768
540.	15.76	2103.	4.781
541.	15.76	2104.	4.771
542.	15.76	2105.	4.765
543.	15.78	2106.	4.735
544.	15.8	2107.	4.743
545.	15.8	2108.	4.742
546.	15.82	2109.	4.737
547.	15.81	2110.	4.703
548.	15.82	2111.	4.742
549.	15.84	2112.	4.703
550.	15.85	2113.	4.724
551.	15.86	2114.	4.729
552.	15.84	2115.	4.69
553.	15.89	2116.	4.686
554.	15.88	2117.	4.673
555.	15.91	2118.	4.704
556.	15.91	2119.	4.673
557.	15.9	2120.	4.693
558.	15.91	2121.	4.68
559.	15.92	2122.	4.715
560.	15.95	2123.	4.682

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	15.93	2124.	4.694
562.	15.92	2125.	4.677
563.	15.96	2126.	4.677
564.	15.94	2127.	4.678
565.	15.99	2128.	4.669
566.	15.95	2129.	4.632
567.	15.99	2130.	4.622
568.	15.99	2131.	4.642
569.	15.99	2132.	4.669
570.	16.	2133.	4.614
571.	16.01	2134.	4.626
572.	16.03	2135.	4.63
573.	16.03	2136.	4.598
574.	16.03	2137.	4.608
575.	16.04	2138.	4.628
576.	16.06	2139.	4.612
577.	16.03	2140.	4.594
578.	16.04	2141.	4.615
579.	16.08	2142.	4.602
580.	16.09	2143.	4.622
581.	16.11	2144.	4.575
582.	16.07	2145.	4.59
583.	16.09	2146.	4.591
584.	16.11	2147.	4.584
585.	16.13	2148.	4.59
586.	16.11	2149.	4.541
587.	16.13	2150.	4.57
588.	16.16	2151.	4.523
589.	16.15	2152.	4.536
590.	16.18	2153.	4.568
591.	16.17	2154.	4.534
592.	16.17	2155.	4.557
593.	16.16	2156.	4.556
594.	16.21	2157.	4.551
595.	16.21	2158.	4.565
596.	16.21	2159.	4.523
597.	16.21	2160.	4.518
598.	16.2	2161.	4.506
599.	16.21	2162.	4.51
600.	16.24	2163.	4.546
601.	16.24	2164.	4.503
602.	16.26	2165.	4.495
603.	16.25	2166.	4.51
604.	16.28	2167.	4.506
605.	16.25	2168.	4.482
606.	16.28	2169.	4.478
607.	16.31	2170.	4.496
608.	16.26	2171.	4.462
609.	16.31	2172.	4.51
610.	16.29	2173.	4.475
611.	16.29	2174.	4.459
612.	16.32	2175.	4.466
613.	16.3	2176.	4.459
614.	16.32	2177.	4.465
615.	16.35	2178.	4.461
616.	16.35	2179.	4.447
617.	16.34	2180.	4.456
618.	16.34	2181.	4.421
619.	16.37	2182.	4.44
620.	16.37	2183.	4.434
621.	16.38	2184.	4.46
622.	16.36	2185.	4.411
623.	16.41	2186.	4.424
624.	16.39	2187.	4.4
625.	16.39	2188.	4.408
626.	16.41	2189.	4.41

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	16.43	2190.	4.402
628.	16.41	2191.	4.393
629.	16.44	2192.	4.424
630.	16.42	2193.	4.39
631.	16.43	2194.	4.378
632.	16.45	2195.	4.397
633.	16.45	2196.	4.387
634.	16.46	2197.	4.366
635.	16.46	2198.	4.376
636.	16.45	2199.	4.361
637.	16.45	2200.	4.39
638.	16.47	2201.	4.355
639.	16.47	2202.	4.402
640.	16.49	2203.	4.343
641.	16.5	2204.	4.362
642.	16.5	2205.	4.355
643.	16.53	2206.	4.364
644.	16.53	2207.	4.358
645.	16.52	2208.	4.341
646.	16.51	2209.	4.334
647.	16.54	2210.	4.332
648.	16.57	2211.	4.318
649.	16.57	2212.	4.338
650.	16.56	2213.	4.313
651.	16.59	2214.	4.332
652.	16.57	2215.	4.315
653.	16.58	2216.	4.308
654.	16.61	2217.	4.296
655.	16.61	2218.	4.286
656.	16.59	2219.	4.309
657.	16.63	2220.	4.301
658.	16.63	2221.	4.314
659.	16.62	2222.	4.316
660.	16.61	2223.	4.314
661.	16.62	2224.	4.257
662.	16.66	2225.	4.27
663.	16.68	2226.	4.287
664.	16.65	2227.	4.275
665.	16.7	2228.	4.258
666.	16.7	2229.	4.27
667.	16.68	2230.	4.239
668.	16.68	2231.	4.253
669.	16.7	2232.	4.255
670.	16.72	2233.	4.256
671.	16.69	2234.	4.275
672.	16.73	2235.	4.247
673.	16.72	2236.	4.246
674.	16.75	2237.	4.231
675.	16.74	2238.	4.222
676.	16.74	2239.	4.246
677.	16.73	2240.	4.224
678.	16.76	2241.	4.227
679.	16.79	2242.	4.213
680.	16.74	2243.	4.217
681.	16.78	2244.	4.22
682.	16.79	2245.	4.201
683.	16.8	2246.	4.219
684.	16.79	2247.	4.179
685.	16.83	2248.	4.194
686.	16.81	2249.	4.192
687.	16.81	2250.	4.208
688.	16.81	2251.	4.179
689.	16.83	2252.	4.167
690.	16.83	2253.	4.186
691.	16.84	2254.	4.166
692.	16.83	2255.	4.159

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	16.84	2256.	4.171
694.	16.87	2257.	4.159
695.	16.88	2258.	4.162
696.	16.87	2259.	4.165
697.	16.86	2260.	4.183
698.	16.88	2261.	4.129
699.	16.87	2262.	4.167
700.	16.9	2263.	4.149
701.	16.91	2264.	4.146
702.	16.92	2265.	4.133
703.	16.93	2266.	4.147
704.	16.96	2267.	4.137
705.	16.94	2268.	4.154
706.	16.96	2269.	4.14
707.	16.94	2270.	4.139
708.	16.96	2271.	4.126
709.	16.96	2272.	4.096
710.	16.95	2273.	4.093
711.	16.98	2274.	4.119
712.	16.98	2275.	4.13
713.	17.01	2276.	4.134
714.	16.99	2277.	4.113
715.	17.01	2278.	4.112
716.	17.02	2279.	4.088
717.	17.01	2280.	4.114
718.	17.02	2281.	4.096
719.	17.01	2282.	4.087
720.	17.06	2283.	4.095
721.	17.03	2284.	4.132
722.	17.04	2285.	4.111
723.	17.05	2286.	4.048
724.	17.07	2287.	4.069
725.	17.07	2288.	4.045
726.	17.08	2289.	4.055
727.	17.07	2290.	4.049
728.	17.07	2291.	4.079
729.	17.11	2292.	4.061
730.	17.1	2293.	4.055
731.	17.11	2294.	4.059
732.	17.12	2295.	4.052
733.	17.09	2296.	4.035
734.	17.11	2297.	4.056
735.	17.13	2298.	4.019
736.	17.13	2299.	4.067
737.	17.11	2300.	4.036
738.	17.14	2301.	4.022
739.	17.14	2302.	4.036
740.	17.15	2303.	4.007
741.	17.17	2304.	4.041
742.	17.19	2305.	4.004
743.	17.16	2306.	4.038
744.	17.16	2307.	4.
745.	17.2	2308.	3.982
746.	17.2	2309.	4.017
747.	17.19	2310.	3.985
748.	17.18	2311.	4.011
749.	17.21	2312.	4.008
750.	17.23	2313.	3.985
751.	17.2	2314.	3.98
752.	17.21	2315.	3.992
753.	17.25	2316.	3.976
754.	17.23	2317.	3.973
755.	17.25	2318.	3.944
756.	17.27	2319.	3.958
757.	17.25	2320.	3.96
758.	17.28	2321.	3.956

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	17.26	2322.	3.958
760.	17.3	2323.	3.967
761.	17.28	2324.	3.954
762.	17.3	2325.	3.94
763.	17.31	2326.	3.951
764.	17.3	2327.	3.948
765.	17.3	2328.	3.961
766.	17.31	2329.	3.96
767.	17.33	2330.	3.933
768.	17.3	2331.	3.933
769.	17.34	2332.	3.915
770.	17.34	2333.	3.914
771.	17.34	2334.	3.905
772.	17.36	2335.	3.944
773.	17.33	2336.	3.929
774.	17.36	2337.	3.925
775.	17.36	2338.	3.938
776.	17.39	2339.	3.939
777.	17.42	2340.	3.908
778.	17.37	2341.	3.906
779.	17.4	2342.	3.924
780.	17.4	2343.	3.907
781.	17.42	2344.	3.899
782.	17.4	2345.	3.893
783.	17.42	2346.	3.897
784.	17.41	2347.	3.895
785.	17.42	2348.	3.889
786.	17.45	2349.	3.902
787.	17.42	2350.	3.89
788.	17.46	2351.	3.886
789.	17.46	2352.	3.869
790.	17.46	2353.	3.873
791.	17.48	2354.	3.856
792.	17.47	2355.	3.907
793.	17.47	2356.	3.851
794.	17.46	2357.	3.897
795.	17.47	2358.	3.887
796.	17.52	2359.	3.862
797.	17.49	2360.	3.863
798.	17.49	2361.	3.849
799.	17.49	2362.	3.839
800.	17.48	2363.	3.828
801.	17.54	2364.	3.858
802.	17.54	2365.	3.823
803.	17.54	2366.	3.835
804.	17.54	2367.	3.828
805.	17.55	2368.	3.861
806.	17.58	2369.	3.791
807.	17.58	2370.	3.815
808.	17.55	2371.	3.806
809.	17.56	2372.	3.801
810.	17.58	2373.	3.801
811.	17.56	2374.	3.807
812.	17.57	2375.	3.835
813.	17.58	2376.	3.805
814.	17.63	2377.	3.811
815.	17.6	2378.	3.802
816.	17.64	2379.	3.773
817.	17.57	2380.	3.803
818.	17.59	2381.	3.781
819.	17.62	2382.	3.789
820.	17.63	2383.	3.816
821.	17.62	2384.	3.778
822.	17.63	2385.	3.789
823.	17.62	2386.	3.753
824.	17.67	2387.	3.78

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	17.66	2388.	3.789
826.	17.66	2389.	3.763
827.	17.65	2390.	3.756
828.	17.65	2391.	3.793
829.	17.69	2392.	3.756
830.	17.67	2393.	3.759
831.	17.68	2394.	3.756
832.	17.68	2395.	3.731
833.	17.7	2396.	3.765
834.	17.7	2397.	3.753
835.	17.69	2398.	3.742
836.	17.72	2399.	3.73
837.	17.73	2400.	3.738
838.	17.71	2401.	3.696
839.	17.73	2402.	3.746
840.	17.73	2403.	3.739
841.	17.73	2404.	3.721
842.	17.71	2405.	3.72
843.	17.77	2406.	3.715
844.	17.78	2407.	3.733
845.	17.77	2408.	3.721
846.	17.79	2409.	3.712
847.	17.8	2410.	3.687
848.	17.75	2411.	3.711
849.	17.79	2412.	3.709
850.	17.79	2413.	3.711
851.	17.81	2414.	3.694
852.	17.81	2415.	3.697
853.	17.81	2416.	3.691
854.	17.82	2417.	3.717
855.	17.79	2418.	3.687
856.	17.83	2419.	3.682
857.	17.84	2420.	3.691
858.	17.83	2421.	3.688
859.	17.84	2422.	3.663
860.	17.84	2423.	3.67
861.	17.82	2424.	3.673
862.	17.86	2425.	3.66
863.	17.88	2426.	3.665
864.	17.85	2427.	3.669
865.	17.85	2428.	3.652
866.	17.89	2429.	3.662
867.	17.87	2430.	3.644
868.	17.9	2431.	3.67
869.	17.89	2432.	3.658
870.	17.91	2433.	3.648
871.	17.88	2434.	3.657
872.	17.89	2435.	3.628
873.	17.91	2436.	3.678
874.	17.9	2437.	3.632
875.	17.94	2438.	3.637
876.	17.9	2439.	3.624
877.	17.94	2440.	3.639
878.	17.91	2441.	3.625
879.	17.96	2442.	3.642
880.	17.96	2443.	3.614
881.	17.95	2444.	3.612
882.	17.96	2445.	3.621
883.	17.95	2446.	3.614
884.	17.97	2447.	3.612
885.	17.98	2448.	3.58
886.	17.97	2449.	3.63
887.	17.98	2450.	3.603
888.	18.01	2451.	3.619
889.	17.97	2452.	3.615
890.	17.99	2453.	3.598

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	18.	2454.	3.596
892.	18.	2455.	3.593
893.	17.99	2456.	3.603
894.	18.01	2457.	3.601
895.	18.01	2458.	3.579
896.	18.03	2459.	3.585
897.	18.	2460.	3.573
898.	18.03	2461.	3.582
899.	18.04	2462.	3.56
900.	18.04	2463.	3.585
901.	18.02	2464.	3.573
902.	18.05	2465.	3.546
903.	18.06	2466.	3.563
904.	18.06	2467.	3.586
905.	18.09	2468.	3.554
906.	18.08	2469.	3.558
907.	18.07	2470.	3.556
908.	18.08	2471.	3.588
909.	18.1	2472.	3.505
910.	18.12	2473.	3.534
911.	18.09	2474.	3.523
912.	18.1	2475.	3.524
913.	18.13	2476.	3.548
914.	18.11	2477.	3.514
915.	18.11	2478.	3.546
916.	18.13	2479.	3.534
917.	18.12	2480.	3.529
918.	18.16	2481.	3.553
919.	18.14	2482.	3.532
920.	18.16	2483.	3.535
921.	18.14	2484.	3.516
922.	18.17	2485.	3.52
923.	18.14	2486.	3.505
924.	18.17	2487.	3.525
925.	18.2	2488.	3.514
926.	18.19	2489.	3.492
927.	18.19	2490.	3.496
928.	18.18	2491.	3.485
929.	18.2	2492.	3.464
930.	18.2	2493.	3.504
931.	18.21	2494.	3.479
932.	18.21	2495.	3.501
933.	18.22	2496.	3.493
934.	18.19	2497.	3.476
935.	18.21	2498.	3.481
936.	18.2	2499.	3.495
937.	18.23	2500.	3.475
938.	18.24	2501.	3.492
939.	18.28	2502.	3.459
940.	18.24	2503.	3.467
941.	18.23	2504.	3.485
942.	18.26	2505.	3.465
943.	18.24	2506.	3.475
944.	18.27	2507.	3.458
945.	18.27	2508.	3.452
946.	18.27	2509.	3.472
947.	18.29	2510.	3.449
948.	18.26	2511.	3.449
949.	18.26	2512.	3.454
950.	18.3	2513.	3.433
951.	18.29	2514.	3.431
952.	18.32	2515.	3.436
953.	18.28	2516.	3.396
954.	18.32	2517.	3.42
955.	18.32	2518.	3.416
956.	18.3	2519.	3.429

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	18.33	2520.	3.447
958.	18.32	2521.	3.442
959.	18.34	2522.	3.4
960.	18.33	2523.	3.397
961.	18.34	2524.	3.432
962.	18.36	2525.	3.436
963.	18.33	2526.	3.416
964.	18.39	2527.	3.411
965.	18.35	2528.	3.437
966.	18.35	2529.	3.43
967.	18.36	2530.	3.389
968.	18.34	2531.	3.409
969.	18.36	2532.	3.39
970.	18.35	2533.	3.406
971.	18.36	2534.	3.394
972.	18.36	2535.	3.373
973.	18.41	2536.	3.406
974.	18.37	2537.	3.369
975.	18.4	2538.	3.385
976.	18.37	2539.	3.376
977.	18.4	2540.	3.367
978.	18.4	2541.	3.391
979.	18.41	2542.	3.371
980.	18.4	2543.	3.366
981.	18.42	2544.	3.386
982.	18.43	2545.	3.354
983.	18.43	2546.	3.39
984.	18.41	2547.	3.381
985.	18.44	2548.	3.334
986.	18.43	2549.	3.364
987.	18.44	2550.	3.374
988.	18.43	2551.	3.329
989.	18.46	2552.	3.333
990.	18.43	2553.	3.38
991.	18.48	2554.	3.338
992.	18.46	2555.	3.342
993.	18.48	2556.	3.344
994.	18.45	2557.	3.331
995.	18.47	2558.	3.315
996.	18.44	2559.	3.332
997.	18.5	2560.	3.325
998.	18.47	2561.	3.346
999.	18.49	2562.	3.339
1000.	18.49	2563.	3.316
1001.	18.52	2564.	3.304
1002.	18.5	2565.	3.305
1003.	18.51	2566.	3.329
1004.	18.52	2567.	3.315
1005.	18.52	2568.	3.298
1006.	18.53	2569.	3.326
1007.	18.54	2570.	3.295
1008.	18.54	2571.	3.28
1009.	18.54	2572.	3.329
1010.	18.52	2573.	3.318
1011.	18.54	2574.	3.299
1012.	18.55	2575.	3.299
1013.	18.56	2576.	3.279
1014.	18.56	2577.	3.3
1015.	18.58	2578.	3.251
1016.	18.58	2579.	3.277
1017.	18.58	2580.	3.271
1018.	18.6	2581.	3.304
1019.	18.55	2582.	3.262
1020.	18.6	2583.	3.278
1021.	18.58	2584.	3.262
1022.	18.55	2585.	3.275

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	18.59	2586.	3.277
1024.	18.62	2587.	3.284
1025.	18.58	2588.	3.259
1026.	18.59	2589.	3.254
1027.	18.59	2590.	3.285
1028.	18.62	2591.	3.244
1029.	18.61	2592.	3.227
1030.	18.63	2593.	3.239
1031.	18.63	2594.	3.27
1032.	18.65	2595.	3.246
1033.	18.63	2596.	3.246
1034.	18.63	2597.	3.252
1035.	18.65	2598.	3.225
1036.	18.63	2599.	3.226
1037.	18.66	2600.	3.232
1038.	18.65	2601.	3.225
1039.	18.67	2602.	3.221
1040.	18.67	2603.	3.228
1041.	18.68	2604.	3.226
1042.	18.67	2605.	3.194
1043.	18.68	2606.	3.22
1044.	18.66	2607.	3.218
1045.	18.67	2608.	3.22
1046.	18.67	2609.	3.213
1047.	18.68	2610.	3.219
1048.	18.7	2611.	3.212
1049.	18.67	2612.	3.226
1050.	18.7	2613.	3.199
1051.	18.68	2614.	3.212
1052.	18.71	2615.	3.2
1053.	18.73	2616.	3.204
1054.	18.72	2617.	3.192
1055.	18.71	2618.	3.193
1056.	18.73	2619.	3.171
1057.	18.73	2620.	3.187
1058.	18.73	2621.	3.196
1059.	18.73	2622.	3.186
1060.	18.74	2623.	3.187
1061.	18.77	2624.	3.198
1062.	18.74	2625.	3.19
1063.	18.76	2626.	3.168
1064.	18.77	2627.	3.181
1065.	18.77	2628.	3.193
1066.	18.77	2629.	3.182
1067.	18.76	2630.	3.194
1068.	18.74	2631.	3.177
1069.	18.75	2632.	3.146
1070.	18.77	2633.	3.18
1071.	18.77	2634.	3.179
1072.	18.81	2635.	3.151
1073.	18.78	2636.	3.159
1074.	18.8	2637.	3.138
1075.	18.82	2638.	3.165
1076.	18.8	2639.	3.177
1077.	18.83	2640.	3.135
1078.	18.81	2641.	3.133
1079.	18.81	2642.	3.14
1080.	18.83	2643.	3.17
1081.	18.82	2644.	3.129
1082.	18.83	2645.	3.137
1083.	18.84	2646.	3.121
1084.	18.82	2647.	3.082
1085.	18.83	2648.	3.128
1086.	18.83	2649.	3.154
1087.	18.85	2650.	3.131
1088.	18.84	2651.	3.078

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	18.84	2652.	3.118
1090.	18.87	2653.	3.129
1091.	18.89	2654.	3.108
1092.	18.85	2655.	3.089
1093.	18.87	2656.	3.125
1094.	18.89	2657.	3.095
1095.	18.86	2658.	3.095
1096.	18.92	2659.	3.1
1097.	18.87	2660.	3.097
1098.	18.9	2661.	3.105
1099.	18.9	2662.	3.09
1100.	18.9	2663.	3.096
1101.	18.91	2664.	3.103
1102.	18.89	2665.	3.12
1103.	18.93	2666.	3.081
1104.	18.91	2667.	3.08
1105.	18.93	2668.	3.073
1106.	18.94	2669.	3.084
1107.	18.92	2670.	3.08
1108.	18.93	2671.	3.103
1109.	18.95	2672.	3.085
1110.	18.93	2673.	3.11
1111.	18.91	2674.	3.093
1112.	18.92	2675.	3.068
1113.	18.93	2676.	3.085
1114.	18.97	2677.	3.061
1115.	18.94	2678.	3.038
1116.	18.97	2679.	3.06
1117.	18.97	2680.	3.087
1118.	19.01	2681.	3.072
1119.	18.97	2682.	3.065
1120.	18.97	2683.	3.074
1121.	18.97	2684.	3.055
1122.	18.98	2685.	3.057
1123.	18.97	2686.	3.045
1124.	18.99	2687.	3.066
1125.	18.99	2688.	3.049
1126.	19.01	2689.	3.074
1127.	18.97	2690.	3.063
1128.	18.98	2691.	3.053
1129.	19.01	2692.	3.044
1130.	19.01	2693.	3.044
1131.	19.02	2694.	3.034
1132.	19.03	2695.	3.024
1133.	19.02	2696.	3.028
1134.	19.03	2697.	3.017
1135.	19.03	2698.	3.048
1136.	19.02	2699.	3.017
1137.	19.05	2700.	2.985
1138.	19.02	2701.	2.995
1139.	19.03	2702.	2.983
1140.	19.06	2703.	3.031
1141.	19.04	2704.	3.019
1142.	19.09	2705.	2.991
1143.	19.07	2706.	3.017
1144.	19.06	2707.	2.983
1145.	19.02	2708.	3.005
1146.	19.05	2709.	2.996
1147.	19.02	2710.	3.001
1148.	19.03	2711.	3.025
1149.	19.	2712.	2.979
1150.	19.03	2713.	2.967
1151.	19.04	2714.	2.966
1152.	19.05	2715.	2.999
1153.	19.05	2716.	2.966
1154.	19.03	2717.	2.992

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	19.02	2718.	2.999
1156.	19.02	2719.	2.966
1157.	19.02	2720.	2.957
1158.	19.04	2721.	2.984
1159.	19.02	2722.	2.952
1160.	19.04	2723.	2.936
1161.	19.04	2724.	2.938
1162.	19.02	2725.	2.962
1163.	19.04	2726.	2.942
1447.	19.	2727.	2.954
1448.	18.89	2728.	2.94
1449.	18.74	2729.	2.943
1450.	18.64	2730.	2.969
1451.	18.52	2731.	2.921
1452.	18.42	2732.	2.931
1453.	18.34	2733.	2.932
1454.	18.19	2734.	2.95
1455.	18.05	2735.	2.92
1456.	17.96	2736.	2.936
1457.	17.83	2737.	2.96
1458.	17.72	2738.	2.962
1459.	17.63	2739.	2.94
1460.	17.54	2740.	2.956
1461.	17.41	2741.	2.919
1462.	17.32	2742.	2.929
1463.	17.21	2743.	2.912
1464.	17.13	2744.	2.903
1465.	17.02	2745.	2.922
1466.	16.91	2746.	2.932
1467.	16.82	2747.	2.889
1468.	16.75	2748.	2.913
1469.	16.65	2749.	2.905
1470.	16.55	2750.	2.92
1471.	16.45	2751.	2.899
1472.	16.37	2752.	2.914
1473.	16.3	2753.	2.928
1474.	16.19	2754.	2.921
1475.	16.1	2755.	2.902
1476.	16.01	2756.	2.904
1477.	15.93	2757.	2.908
1478.	15.85	2758.	2.884
1479.	15.79	2759.	2.896
1480.	15.7	2760.	2.866
1481.	15.62	2761.	2.891
1482.	15.55	2762.	2.857
1483.	15.45	2763.	2.876
1484.	15.38	2764.	2.876
1485.	15.32	2765.	2.916
1486.	15.22	2766.	2.886
1487.	15.13	2767.	2.866
1488.	15.06	2768.	2.884
1489.	15.01	2769.	2.858
1490.	14.93	2770.	2.879
1491.	14.85	2771.	2.884
1492.	14.82	2772.	2.858
1493.	14.74	2773.	2.86
1494.	14.69	2774.	2.887
1495.	14.61	2775.	2.845
1496.	14.54	2776.	2.853
1497.	14.44	2777.	2.83
1498.	14.39	2778.	2.864
1499.	14.34	2779.	2.849
1500.	14.26	2780.	2.869
1501.	14.19	2781.	2.884
1502.	14.14	2782.	2.838
1503.	14.09	2783.	2.813

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1504.	14.02	2784.	2.842
1505.	13.98	2785.	2.84
1506.	13.9	2786.	2.816
1507.	13.84	2787.	2.826
1508.	13.78	2788.	2.825
1509.	13.73	2789.	2.834
1510.	13.67	2790.	2.82
1511.	13.6	2791.	2.829
1512.	13.56	2792.	2.827
1513.	13.48	2793.	2.813
1514.	13.43	2794.	2.822
1515.	13.38	2795.	2.818
1516.	13.33	2796.	2.814
1517.	13.27	2797.	2.823
1518.	13.25	2798.	2.826
1519.	13.18	2799.	2.815
1520.	13.12	2800.	2.81
1521.	13.07	2801.	2.805
1522.	13.02	2802.	2.817
1523.	12.98	2803.	2.826
1524.	12.93	2804.	2.806
1525.	12.9	2805.	2.815
1526.	12.82	2806.	2.794
1527.	12.76	2807.	2.837
1528.	12.72	2808.	2.817
1529.	12.66	2809.	2.801
1530.	12.63	2810.	2.758
1531.	12.57	2811.	2.818
1532.	12.54	2812.	2.825
1533.	12.48	2813.	2.776
1534.	12.44	2814.	2.796
1535.	12.44	2815.	2.767
1536.	12.36	2816.	2.789
1537.	12.28	2817.	2.789
1538.	12.26	2818.	2.786
1539.	12.21	2819.	2.779
1540.	12.2	2820.	2.781
1541.	12.18	2821.	2.791
1542.	12.11	2822.	2.771
1543.	12.03	2823.	2.769
1544.	12.02	2824.	2.776
1545.	11.99	2825.	2.751
1546.	11.92	2826.	2.754
1547.	11.89	2827.	2.771
1548.	11.87	2828.	2.767
1549.	11.82	2829.	2.784
1550.	11.75	2830.	2.773
1551.	11.75	2831.	2.791
1552.	11.68	2832.	2.769
1553.	11.66	2833.	2.789
1554.	11.63	2834.	2.753
1555.	11.56	2835.	2.767
1556.	11.56	2836.	2.756
1557.	11.51	2837.	2.793
1558.	11.44	2838.	2.761
1559.	11.45	2839.	2.75
1560.	11.39	2840.	2.784
1561.	11.36	2841.	2.762
1562.	11.31	2842.	2.774
1563.	11.31		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1246.1	ft^2/day
S	6.268E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.58 ft/day (0.005495 cm/sec)
Ss = S/b = 7.835E-7 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1261.1	2.968	+/- 5.82	424.9	ft^2/day
S	6.163E-5	4.332E-7	+/- 8.495E-7	142.3	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.76 ft/day (0.005561 cm/sec)
Ss = S/b = 7.704E-7 1/ft

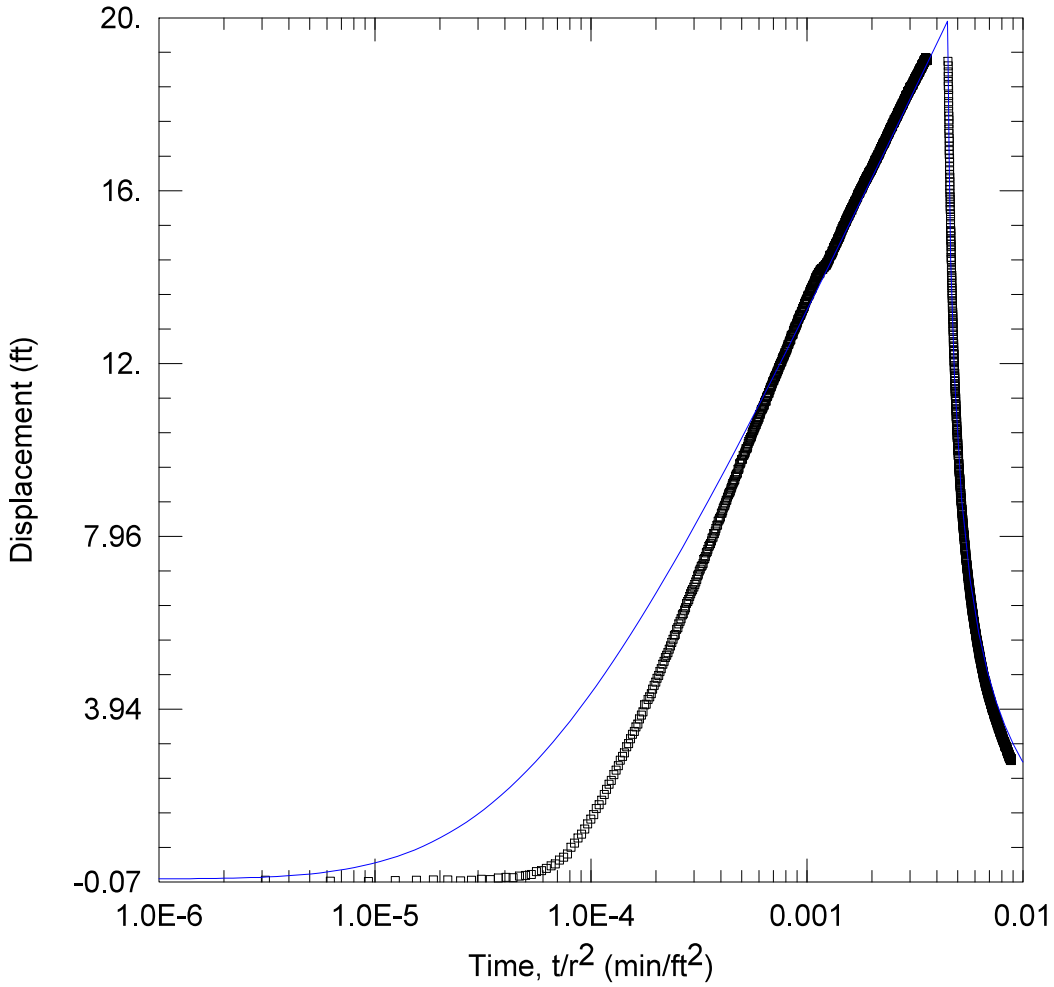
Parameter Correlations

	T	S
T	1.00	-0.85
S	-0.85	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 788.7 ft^2
Variance . . . . . 0.3085 ft^2
Std. Deviation . . . . . 0.5554 ft
Mean . . . . . -0.1959 ft
No. of Residuals 2559
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW15.aqt
Date: 04/11/25 Time: 12:06:05

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

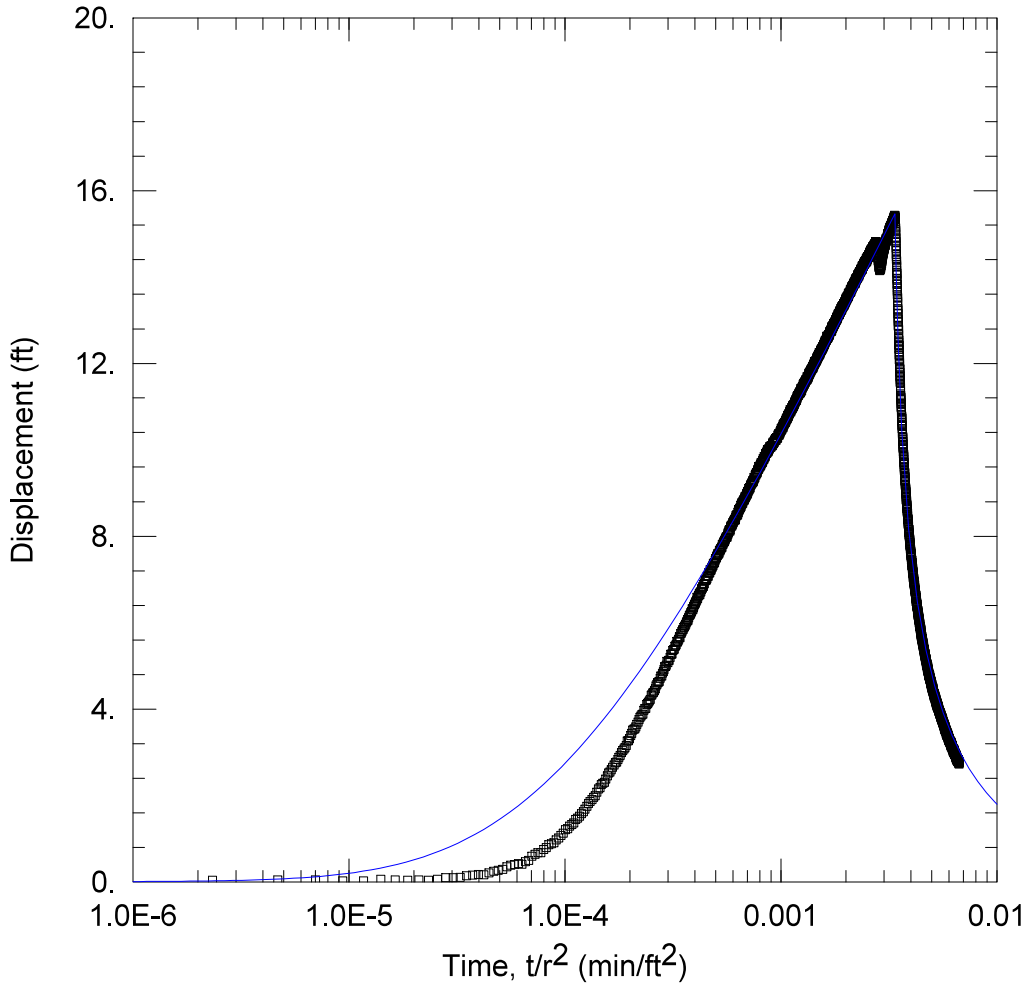
Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW14	702	508

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1261.1 ft^2/day
S = 6.163E-5
Kz/Kr = 1.
b = 80. ft



WELL TEST ANALYSIS

Data Set: C:\...\MW16.aqt
Date: 04/11/25 Time: 12:06:27

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW16	548	674

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1308.6 ft^2/day
S = 0.0001544
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:49:38

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:46:21

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW15

X Location: 627. ft
Y Location: 594. ft

Radial distance from BM 1B: 598.1412877 ft
Radial distance from BM2A: 942.1151734 ft
Radial distance from BM3: 128.5496013 ft
Radial distance from BM 4 : 317.7750777 ft
Radial distance from BM5: 555.4619699 ft
Radial distance from BM 6: 808.987639 ft
Radial distance from BM7: 1075.528242 ft
Radial distance from BM9: 1686.22715 ft

Fully Penetrating Well

No. of Observations: 2847

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.007798	1425.	19.66
2.	0.00434	1426.	19.63
3.	-0.01535	1427.	19.66
4.	-0.01263	1428.	19.69
5.	-7.6E-5	1429.	19.68
6.	0.01113	1430.	19.67
7.	-0.03166	1431.	19.7
8.	0.03696	1432.	19.65
9.	0.03793	1433.	19.68
10.	0.0403	1434.	19.68
11.	0.03515	1435.	19.68
12.	0.08146	1436.	19.71
13.	0.1081	1437.	19.7
14.	0.08491	1438.	19.68
15.	0.09868	1439.	19.67
16.	0.1424	1440.	19.53
17.	0.1588	1441.	19.4
18.	0.2786	1442.	19.32
19.	0.3267	1443.	19.21
20.	0.3892	1444.	19.09
21.	0.4688	1445.	18.99
22.	0.5451	1446.	18.91
23.	0.642	1447.	18.82
24.	0.7731	1448.	18.67
25.	0.8768	1449.	18.54
26.	0.9873	1450.	18.46
27.	1.115	1451.	18.3
28.	1.265	1452.	18.22
29.	1.33	1453.	18.12
30.	1.46	1454.	18.
31.	1.589	1455.	17.87
32.	1.702	1456.	17.76

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.841	1457.	17.65
34.	1.949	1458.	17.54
35.	2.047	1459.	17.47
36.	2.164	1460.	17.35
37.	2.255	1461.	17.23
38.	2.363	1462.	17.18
39.	2.487	1463.	17.05
40.	2.619	1464.	16.96
41.	2.679	1465.	16.84
42.	2.8	1466.	16.77
43.	2.908	1467.	16.68
44.	2.99	1468.	16.58
45.	3.113	1469.	16.47
46.	3.209	1470.	16.44
47.	3.315	1471.	16.31
48.	3.421	1472.	16.24
49.	3.49	1473.	16.18
50.	3.603	1474.	16.06
51.	3.707	1475.	15.98
52.	3.772	1476.	15.92
53.	3.884	1477.	15.81
54.	3.996	1478.	15.76
55.	4.05	1479.	15.67
56.	4.152	1480.	15.58
57.	4.216	1481.	15.5
58.	4.329	1482.	15.46
59.	4.376	1483.	15.36
60.	4.47	1484.	15.27
61.	4.559	1485.	15.23
62.	4.671	1486.	15.16
63.	4.757	1487.	15.08
64.	4.791	1488.	14.98
65.	4.899	1489.	14.93
66.	4.966	1490.	14.84
67.	5.042	1491.	14.8
68.	5.151	1492.	14.73
69.	5.217	1493.	14.64
70.	5.271	1494.	14.58
71.	5.366	1495.	14.5
72.	5.438	1496.	14.42
73.	5.469	1497.	14.39
74.	5.567	1498.	14.31
75.	5.633	1499.	14.22
76.	5.722	1500.	14.19
77.	5.767	1501.	14.12
78.	5.838	1502.	14.07
79.	5.894	1503.	14.
80.	5.959	1504.	13.97
81.	6.021	1505.	13.88
82.	6.078	1506.	13.83
83.	6.143	1507.	13.78
84.	6.208	1508.	13.68
85.	6.259	1509.	13.66
86.	6.339	1510.	13.6
87.	6.428	1511.	13.55
88.	6.473	1512.	13.5
89.	6.506	1513.	13.43
90.	6.598	1514.	13.36
91.	6.621	1515.	13.33
92.	6.683	1516.	13.27
93.	6.772	1517.	13.22
94.	6.812	1518.	13.18
95.	6.888	1519.	13.14
96.	6.969	1520.	13.06
97.	7.01	1521.	13.
98.	7.029	1522.	12.96

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	7.091	1523.	12.91
100.	7.163	1524.	12.87
101.	7.224	1525.	12.79
102.	7.265	1526.	12.78
103.	7.328	1527.	12.73
104.	7.392	1528.	12.66
105.	7.444	1529.	12.61
106.	7.521	1530.	12.58
107.	7.528	1531.	12.56
108.	7.618	1532.	12.49
109.	7.652	1533.	12.43
110.	7.723	1534.	12.39
111.	7.781	1535.	12.35
112.	7.84	1536.	12.3
113.	7.846	1537.	12.29
114.	7.917	1538.	12.21
115.	7.965	1539.	12.18
116.	8.024	1540.	12.19
117.	8.064	1541.	12.1
118.	8.102	1542.	12.06
119.	8.131	1543.	12.01
120.	8.22	1544.	11.95
121.	8.232	1545.	11.93
122.	8.286	1546.	11.91
123.	8.344	1547.	11.86
124.	8.372	1548.	11.83
125.	8.444	1549.	11.77
126.	8.472	1550.	11.74
127.	8.533	1551.	11.69
128.	8.597	1552.	11.64
129.	8.619	1553.	11.62
130.	8.64	1554.	11.58
131.	8.718	1555.	11.53
132.	8.751	1556.	11.5
133.	8.787	1557.	11.48
134.	8.811	1558.	11.45
135.	8.872	1559.	11.4
136.	8.92	1560.	11.37
137.	8.93	1561.	11.32
138.	8.996	1562.	11.32
139.	9.035	1563.	11.28
140.	9.079	1564.	11.24
141.	9.13	1565.	11.21
142.	9.177	1566.	11.18
143.	9.216	1567.	11.12
144.	9.251	1568.	11.12
145.	9.27	1569.	11.07
146.	9.311	1570.	11.05
147.	9.34	1571.	11.
148.	9.406	1572.	11.01
149.	9.434	1573.	10.94
150.	9.451	1574.	10.93
151.	9.52	1575.	10.88
152.	9.535	1576.	10.87
153.	9.574	1577.	10.8
154.	9.607	1578.	10.78
155.	9.643	1579.	10.77
156.	9.662	1580.	10.74
157.	9.73	1581.	10.69
158.	9.742	1582.	10.68
159.	9.789	1583.	10.65
160.	9.794	1584.	10.62
161.	9.854	1585.	10.59
162.	9.862	1586.	10.58
163.	9.9	1587.	10.54
164.	9.951	1588.	10.54

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	9.99	1589.	10.47
166.	9.994	1590.	10.42
167.	10.05	1591.	10.41
168.	10.04	1592.	10.39
169.	10.1	1593.	10.33
170.	10.15	1594.	10.35
171.	10.2	1595.	10.32
172.	10.21	1596.	10.27
173.	10.22	1597.	10.26
174.	10.27	1598.	10.22
175.	10.28	1599.	10.2
176.	10.31	1600.	10.2
177.	10.33	1601.	10.15
178.	10.41	1602.	10.13
179.	10.41	1603.	10.1
180.	10.44	1604.	10.07
181.	10.48	1605.	10.04
182.	10.48	1606.	10.04
183.	10.51	1607.	10.
184.	10.57	1608.	9.99
185.	10.6	1609.	9.959
186.	10.64	1610.	9.933
187.	10.64	1611.	9.893
188.	10.69	1612.	9.859
189.	10.71	1613.	9.837
190.	10.74	1614.	9.834
191.	10.75	1615.	9.818
192.	10.78	1616.	9.779
193.	10.82	1617.	9.747
194.	10.86	1618.	9.731
195.	10.87	1619.	9.717
196.	10.88	1620.	9.706
197.	10.92	1621.	9.667
198.	10.95	1622.	9.625
199.	10.95	1623.	9.621
200.	11.	1624.	9.588
201.	11.04	1625.	9.576
202.	11.02	1626.	9.541
203.	11.09	1627.	9.536
204.	11.11	1628.	9.503
205.	11.14	1629.	9.486
206.	11.17	1630.	9.468
207.	11.18	1631.	9.447
208.	11.2	1632.	9.434
209.	11.25	1633.	9.397
210.	11.23	1634.	9.406
211.	11.26	1635.	9.346
212.	11.31	1636.	9.345
213.	11.37	1637.	9.32
214.	11.35	1638.	9.3
215.	11.39	1639.	9.296
216.	11.4	1640.	9.243
217.	11.44	1641.	9.217
218.	11.48	1642.	9.201
219.	11.48	1643.	9.216
220.	11.52	1644.	9.189
221.	11.52	1645.	9.176
222.	11.55	1646.	9.125
223.	11.55	1647.	9.089
224.	11.61	1648.	9.091
225.	11.61	1649.	9.074
226.	11.62	1650.	9.057
227.	11.67	1651.	9.038
228.	11.7	1652.	9.019
229.	11.7	1653.	9.002
230.	11.75	1654.	8.964

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	11.76	1655.	8.961
232.	11.78	1656.	8.949
233.	11.81	1657.	8.937
234.	11.82	1658.	8.886
235.	11.85	1659.	8.924
236.	11.87	1660.	8.898
237.	11.89	1661.	8.835
238.	11.9	1662.	8.816
239.	11.95	1663.	8.842
240.	11.96	1664.	8.782
241.	11.99	1665.	8.76
242.	12.01	1666.	8.772
243.	12.05	1667.	8.747
244.	12.05	1668.	8.744
245.	12.05	1669.	8.685
246.	12.11	1670.	8.685
247.	12.09	1671.	8.694
248.	12.12	1672.	8.628
249.	12.16	1673.	8.643
250.	12.18	1674.	8.602
251.	12.16	1675.	8.585
252.	12.22	1676.	8.592
253.	12.21	1677.	8.575
254.	12.23	1678.	8.539
255.	12.28	1679.	8.532
256.	12.28	1680.	8.505
257.	12.28	1681.	8.504
258.	12.32	1682.	8.488
259.	12.35	1683.	8.441
260.	12.36	1684.	8.447
261.	12.38	1685.	8.453
262.	12.4	1686.	8.392
263.	12.43	1687.	8.388
264.	12.45	1688.	8.369
265.	12.47	1689.	8.344
266.	12.49	1690.	8.345
267.	12.53	1691.	8.337
268.	12.53	1692.	8.331
269.	12.55	1693.	8.32
270.	12.55	1694.	8.313
271.	12.58	1695.	8.259
272.	12.58	1696.	8.264
273.	12.62	1697.	8.241
274.	12.62	1698.	8.219
275.	12.66	1699.	8.226
276.	12.69	1700.	8.193
277.	12.73	1701.	8.176
278.	12.7	1702.	8.161
279.	12.74	1703.	8.157
280.	12.75	1704.	8.139
281.	12.77	1705.	8.106
282.	12.79	1706.	8.118
283.	12.82	1707.	8.123
284.	12.8	1708.	8.08
285.	12.85	1709.	8.071
286.	12.83	1710.	8.035
287.	12.88	1711.	8.032
288.	12.87	1712.	7.992
289.	12.9	1713.	8.003
290.	12.93	1714.	7.982
291.	12.96	1715.	7.97
292.	12.97	1716.	7.961
293.	12.98	1717.	7.949
294.	13.02	1718.	7.943
295.	13.03	1719.	7.924
296.	13.02	1720.	7.893

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	13.07	1721.	7.902
298.	13.04	1722.	7.875
299.	13.1	1723.	7.876
300.	13.12	1724.	7.851
301.	13.1	1725.	7.831
302.	13.16	1726.	7.816
303.	13.15	1727.	7.823
304.	13.16	1728.	7.789
305.	13.18	1729.	7.794
306.	13.2	1730.	7.769
307.	13.24	1731.	7.757
308.	13.26	1732.	7.735
309.	13.27	1733.	7.747
310.	13.27	1734.	7.721
311.	13.28	1735.	7.735
312.	13.28	1736.	7.696
313.	13.33	1737.	7.665
314.	13.34	1738.	7.683
315.	13.34	1739.	7.649
316.	13.37	1740.	7.647
317.	13.38	1741.	7.648
318.	13.39	1742.	7.606
319.	13.4	1743.	7.611
320.	13.43	1744.	7.585
321.	13.45	1745.	7.57
322.	13.44	1746.	7.56
323.	13.5	1747.	7.558
324.	13.5	1748.	7.547
325.	13.51	1749.	7.539
326.	13.57	1750.	7.535
327.	13.54	1751.	7.508
328.	13.54	1752.	7.483
329.	13.57	1753.	7.476
330.	13.55	1754.	7.453
331.	13.59	1755.	7.467
332.	13.62	1756.	7.436
333.	13.61	1757.	7.415
334.	13.65	1758.	7.438
335.	13.66	1759.	7.413
336.	13.62	1760.	7.419
337.	13.7	1761.	7.37
338.	13.69	1762.	7.364
339.	13.7	1763.	7.367
340.	13.74	1764.	7.349
341.	13.72	1765.	7.345
342.	13.75	1766.	7.332
343.	13.78	1767.	7.321
344.	13.78	1768.	7.293
345.	13.8	1769.	7.299
346.	13.82	1770.	7.263
347.	13.82	1771.	7.261
348.	13.82	1772.	7.25
349.	13.86	1773.	7.26
350.	13.85	1774.	7.236
351.	13.87	1775.	7.223
352.	13.9	1776.	7.191
353.	13.91	1777.	7.199
354.	13.93	1778.	7.182
355.	13.94	1779.	7.193
356.	13.96	1780.	7.185
357.	13.99	1781.	7.146
358.	13.98	1782.	7.113
359.	14.	1783.	7.11
360.	13.98	1784.	7.103
361.	14.	1785.	7.091
362.	14.02	1786.	7.106

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	14.02	1787.	7.101
364.	13.99	1788.	7.099
365.	14.04	1789.	7.061
366.	14.04	1790.	7.033
367.	14.05	1791.	7.059
368.	14.06	1792.	7.015
369.	14.03	1793.	7.007
370.	14.04	1794.	7.013
371.	14.1	1795.	7.012
372.	14.08	1796.	6.96
373.	14.12	1797.	6.996
374.	14.1	1798.	6.988
375.	14.12	1799.	6.988
376.	14.11	1800.	6.949
377.	14.15	1801.	6.948
378.	14.13	1802.	6.939
379.	14.13	1803.	6.912
380.	14.11	1804.	6.911
381.	14.17	1805.	6.907
382.	14.12	1806.	6.877
383.	14.16	1807.	6.864
384.	14.15	1808.	6.846
385.	14.16	1809.	6.858
386.	14.16	1810.	6.864
387.	14.18	1811.	6.825
388.	14.18	1812.	6.804
389.	14.2	1813.	6.804
390.	14.22	1814.	6.805
391.	14.21	1815.	6.811
392.	14.24	1816.	6.818
393.	14.2	1817.	6.797
394.	14.25	1818.	6.77
395.	14.24	1819.	6.738
396.	14.26	1820.	6.762
397.	14.23	1821.	6.731
398.	14.28	1822.	6.738
399.	14.27	1823.	6.717
400.	14.29	1824.	6.723
401.	14.3	1825.	6.686
402.	14.28	1826.	6.69
403.	14.33	1827.	6.706
404.	14.31	1828.	6.671
405.	14.35	1829.	6.643
406.	14.35	1830.	6.654
407.	14.37	1831.	6.632
408.	14.37	1832.	6.644
409.	14.37	1833.	6.629
410.	14.41	1834.	6.595
411.	14.39	1835.	6.611
412.	14.42	1836.	6.626
413.	14.43	1837.	6.585
414.	14.42	1838.	6.596
415.	14.44	1839.	6.583
416.	14.44	1840.	6.535
417.	14.45	1841.	6.552
418.	14.45	1842.	6.556
419.	14.46	1843.	6.548
420.	14.53	1844.	6.551
421.	14.53	1845.	6.516
422.	14.54	1846.	6.519
423.	14.53	1847.	6.52
424.	14.51	1848.	6.476
425.	14.56	1849.	6.47
426.	14.56	1850.	6.466
427.	14.58	1851.	6.439
428.	14.57	1852.	6.441

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	14.6	1853.	6.451
430.	14.61	1854.	6.432
431.	14.62	1855.	6.461
432.	14.64	1856.	6.447
433.	14.66	1857.	6.383
434.	14.68	1858.	6.41
435.	14.69	1859.	6.392
436.	14.67	1860.	6.373
437.	14.69	1861.	6.369
438.	14.7	1862.	6.338
439.	14.71	1863.	6.367
440.	14.7	1864.	6.334
441.	14.76	1865.	6.366
442.	14.74	1866.	6.318
443.	14.78	1867.	6.371
444.	14.77	1868.	6.313
445.	14.79	1869.	6.307
446.	14.78	1870.	6.306
447.	14.8	1871.	6.286
448.	14.82	1872.	6.274
449.	14.8	1873.	6.256
450.	14.84	1874.	6.273
451.	14.86	1875.	6.266
452.	14.89	1876.	6.239
453.	14.86	1877.	6.244
454.	14.87	1878.	6.249
455.	14.9	1879.	6.247
456.	14.89	1880.	6.218
457.	14.92	1881.	6.211
458.	14.9	1882.	6.217
459.	14.92	1883.	6.187
460.	14.94	1884.	6.217
461.	14.95	1885.	6.177
462.	14.96	1886.	6.172
463.	14.98	1887.	6.169
464.	14.97	1888.	6.124
465.	14.99	1889.	6.152
466.	15.	1890.	6.133
467.	15.03	1891.	6.108
468.	15.04	1892.	6.141
469.	15.02	1893.	6.115
470.	15.04	1894.	6.096
471.	15.06	1895.	6.115
472.	15.08	1896.	6.069
473.	15.07	1897.	6.091
474.	15.08	1898.	6.054
475.	15.11	1899.	6.044
476.	15.13	1900.	6.065
477.	15.13	1901.	6.048
478.	15.15	1902.	6.091
479.	15.13	1903.	6.015
480.	15.15	1904.	6.031
481.	15.13	1905.	6.032
482.	15.18	1906.	5.999
483.	15.17	1907.	6.02
484.	15.19	1908.	6.03
485.	15.19	1909.	5.985
486.	15.22	1910.	5.997
487.	15.22	1911.	5.987
488.	15.24	1912.	5.989
489.	15.24	1913.	5.966
490.	15.24	1914.	5.936
491.	15.25	1915.	5.968
492.	15.27	1916.	5.966
493.	15.28	1917.	5.944
494.	15.26	1918.	5.93

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	15.32	1919.	5.938
496.	15.31	1920.	5.92
497.	15.31	1921.	5.914
498.	15.32	1922.	5.933
499.	15.35	1923.	5.905
500.	15.35	1924.	5.896
501.	15.34	1925.	5.88
502.	15.36	1926.	5.851
503.	15.37	1927.	5.86
504.	15.38	1928.	5.873
505.	15.36	1929.	5.844
506.	15.43	1930.	5.825
507.	15.39	1931.	5.832
508.	15.43	1932.	5.83
509.	15.44	1933.	5.829
510.	15.47	1934.	5.811
511.	15.47	1935.	5.794
512.	15.45	1936.	5.784
513.	15.46	1937.	5.797
514.	15.47	1938.	5.816
515.	15.45	1939.	5.771
516.	15.48	1940.	5.777
517.	15.48	1941.	5.757
518.	15.54	1942.	5.751
519.	15.52	1943.	5.751
520.	15.51	1944.	5.739
521.	15.54	1945.	5.769
522.	15.56	1946.	5.711
523.	15.55	1947.	5.73
524.	15.54	1948.	5.701
525.	15.59	1949.	5.707
526.	15.59	1950.	5.713
527.	15.59	1951.	5.683
528.	15.58	1952.	5.707
529.	15.63	1953.	5.678
530.	15.61	1954.	5.705
531.	15.61	1955.	5.66
532.	15.65	1956.	5.651
533.	15.65	1957.	5.657
534.	15.67	1958.	5.684
535.	15.69	1959.	5.624
536.	15.68	1960.	5.665
537.	15.68	1961.	5.623
538.	15.69	1962.	5.628
539.	15.69	1963.	5.616
540.	15.7	1964.	5.602
541.	15.7	1965.	5.584
542.	15.71	1966.	5.604
543.	15.73	1967.	5.561
544.	15.75	1968.	5.595
545.	15.78	1969.	5.59
546.	15.76	1970.	5.557
547.	15.77	1971.	5.582
548.	15.77	1972.	5.564
549.	15.81	1973.	5.582
550.	15.79	1974.	5.52
551.	15.79	1975.	5.527
552.	15.8	1976.	5.563
553.	15.82	1977.	5.519
554.	15.83	1978.	5.569
555.	15.82	1979.	5.505
556.	15.86	1980.	5.516
557.	15.82	1981.	5.521
558.	15.87	1982.	5.509
559.	15.87	1983.	5.528
560.	15.85	1984.	5.483

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	15.87	1985.	5.479
562.	15.89	1986.	5.479
563.	15.91	1987.	5.48
564.	15.9	1988.	5.468
565.	15.91	1989.	5.468
566.	15.91	1990.	5.459
567.	15.92	1991.	5.44
568.	15.9	1992.	5.456
569.	15.93	1993.	5.425
570.	15.95	1994.	5.437
571.	15.97	1995.	5.414
572.	15.98	1996.	5.408
573.	15.95	1997.	5.411
574.	16.	1998.	5.401
575.	16.	1999.	5.409
576.	15.99	2000.	5.364
577.	16.02	2001.	5.399
578.	16.02	2002.	5.336
579.	16.03	2003.	5.39
580.	16.04	2004.	5.357
581.	16.04	2005.	5.377
582.	16.05	2006.	5.375
583.	16.05	2007.	5.333
584.	16.1	2008.	5.369
585.	16.09	2009.	5.324
586.	16.1	2010.	5.337
587.	16.1	2011.	5.34
588.	16.09	2012.	5.306
589.	16.08	2013.	5.328
590.	16.09	2014.	5.255
591.	16.12	2015.	5.322
592.	16.15	2016.	5.285
593.	16.13	2017.	5.309
594.	16.17	2018.	5.294
595.	16.15	2019.	5.28
596.	16.13	2020.	5.258
597.	16.16	2021.	5.256
598.	16.17	2022.	5.271
599.	16.19	2023.	5.253
600.	16.17	2024.	5.263
601.	16.21	2025.	5.238
602.	16.22	2026.	5.213
603.	16.17	2027.	5.244
604.	16.23	2028.	5.198
605.	16.24	2029.	5.23
606.	16.19	2030.	5.227
607.	16.21	2031.	5.213
608.	16.23	2032.	5.21
609.	16.26	2033.	5.198
610.	16.23	2034.	5.176
611.	16.28	2035.	5.18
612.	16.26	2036.	5.198
613.	16.27	2037.	5.198
614.	16.26	2038.	5.18
615.	16.3	2039.	5.188
616.	16.3	2040.	5.148
617.	16.32	2041.	5.141
618.	16.32	2042.	5.157
619.	16.33	2043.	5.141
620.	16.3	2044.	5.123
621.	16.32	2045.	5.155
622.	16.35	2046.	5.151
623.	16.34	2047.	5.096
624.	16.4	2048.	5.132
625.	16.35	2049.	5.107
626.	16.34	2050.	5.076

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	16.39	2051.	5.097
628.	16.38	2052.	5.073
629.	16.39	2053.	5.132
630.	16.42	2054.	5.079
631.	16.4	2055.	5.078
632.	16.39	2056.	5.065
633.	16.43	2057.	5.061
634.	16.44	2058.	5.053
635.	16.44	2059.	5.089
636.	16.46	2060.	5.044
637.	16.48	2061.	5.067
638.	16.45	2062.	5.049
639.	16.44	2063.	5.031
640.	16.47	2064.	5.027
641.	16.49	2065.	5.006
642.	16.51	2066.	4.999
643.	16.48	2067.	5.
644.	16.49	2068.	4.977
645.	16.5	2069.	4.989
646.	16.49	2070.	4.98
647.	16.49	2071.	4.991
648.	16.5	2072.	4.969
649.	16.52	2073.	4.97
650.	16.54	2074.	4.998
651.	16.54	2075.	4.941
652.	16.55	2076.	4.969
653.	16.57	2077.	4.964
654.	16.55	2078.	4.956
655.	16.58	2079.	4.952
656.	16.57	2080.	4.933
657.	16.59	2081.	4.943
658.	16.57	2082.	4.942
659.	16.6	2083.	4.918
660.	16.58	2084.	4.906
661.	16.6	2085.	4.918
662.	16.6	2086.	4.903
663.	16.62	2087.	4.916
664.	16.63	2088.	4.916
665.	16.61	2089.	4.928
666.	16.65	2090.	4.903
667.	16.64	2091.	4.879
668.	16.66	2092.	4.886
669.	16.64	2093.	4.868
670.	16.69	2094.	4.87
671.	16.65	2095.	4.879
672.	16.67	2096.	4.881
673.	16.66	2097.	4.862
674.	16.69	2098.	4.847
675.	16.69	2099.	4.846
676.	16.72	2100.	4.858
677.	16.73	2101.	4.827
678.	16.7	2102.	4.803
679.	16.71	2103.	4.84
680.	16.73	2104.	4.852
681.	16.75	2105.	4.81
682.	16.73	2106.	4.833
683.	16.74	2107.	4.832
684.	16.78	2108.	4.809
685.	16.77	2109.	4.808
686.	16.79	2110.	4.773
687.	16.78	2111.	4.814
688.	16.81	2112.	4.786
689.	16.83	2113.	4.769
690.	16.79	2114.	4.786
691.	16.8	2115.	4.773
692.	16.83	2116.	4.772

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	16.82	2117.	4.798
694.	16.84	2118.	4.772
695.	16.85	2119.	4.745
696.	16.84	2120.	4.766
697.	16.83	2121.	4.744
698.	16.87	2122.	4.744
699.	16.88	2123.	4.741
700.	16.86	2124.	4.723
701.	16.88	2125.	4.736
702.	16.89	2126.	4.703
703.	16.88	2127.	4.723
704.	16.88	2128.	4.73
705.	16.88	2129.	4.711
706.	16.89	2130.	4.737
707.	16.92	2131.	4.712
708.	16.93	2132.	4.722
709.	16.91	2133.	4.693
710.	16.95	2134.	4.683
711.	16.95	2135.	4.668
712.	16.95	2136.	4.663
713.	16.92	2137.	4.671
714.	16.95	2138.	4.676
715.	16.98	2139.	4.669
716.	16.98	2140.	4.681
717.	16.97	2141.	4.653
718.	17.	2142.	4.658
719.	17.02	2143.	4.643
720.	16.99	2144.	4.659
721.	16.98	2145.	4.623
722.	17.	2146.	4.631
723.	17.01	2147.	4.665
724.	16.99	2148.	4.63
725.	17.05	2149.	4.634
726.	17.06	2150.	4.613
727.	17.05	2151.	4.605
728.	17.04	2152.	4.635
729.	17.06	2153.	4.608
730.	17.06	2154.	4.602
731.	17.06	2155.	4.621
732.	17.09	2156.	4.594
733.	17.07	2157.	4.599
734.	17.07	2158.	4.587
735.	17.09	2159.	4.591
736.	17.08	2160.	4.582
737.	17.12	2161.	4.566
738.	17.17	2162.	4.589
739.	17.13	2163.	4.581
740.	17.12	2164.	4.537
741.	17.11	2165.	4.544
742.	17.13	2166.	4.534
743.	17.13	2167.	4.568
744.	17.15	2168.	4.547
745.	17.19	2169.	4.518
746.	17.19	2170.	4.534
747.	17.18	2171.	4.539
748.	17.18	2172.	4.534
749.	17.17	2173.	4.51
750.	17.18	2174.	4.509
751.	17.22	2175.	4.522
752.	17.21	2176.	4.543
753.	17.2	2177.	4.526
754.	17.21	2178.	4.493
755.	17.24	2179.	4.503
756.	17.23	2180.	4.494
757.	17.25	2181.	4.498
758.	17.23	2182.	4.495

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	17.24	2183.	4.47
760.	17.25	2184.	4.478
761.	17.26	2185.	4.484
762.	17.26	2186.	4.479
763.	17.26	2187.	4.489
764.	17.3	2188.	4.448
765.	17.25	2189.	4.467
766.	17.3	2190.	4.466
767.	17.31	2191.	4.454
768.	17.31	2192.	4.454
769.	17.35	2193.	4.442
770.	17.31	2194.	4.466
771.	17.33	2195.	4.48
772.	17.34	2196.	4.42
773.	17.33	2197.	4.439
774.	17.34	2198.	4.454
775.	17.36	2199.	4.448
776.	17.36	2200.	4.443
777.	17.36	2201.	4.437
778.	17.36	2202.	4.429
779.	17.4	2203.	4.408
780.	17.37	2204.	4.42
781.	17.37	2205.	4.426
782.	17.38	2206.	4.395
783.	17.38	2207.	4.412
784.	17.41	2208.	4.408
785.	17.4	2209.	4.384
786.	17.42	2210.	4.37
787.	17.39	2211.	4.402
788.	17.42	2212.	4.366
789.	17.43	2213.	4.36
790.	17.45	2214.	4.4
791.	17.47	2215.	4.37
792.	17.51	2216.	4.368
793.	17.47	2217.	4.384
794.	17.45	2218.	4.322
795.	17.46	2219.	4.37
796.	17.44	2220.	4.383
797.	17.49	2221.	4.341
798.	17.47	2222.	4.324
799.	17.49	2223.	4.348
800.	17.5	2224.	4.317
801.	17.5	2225.	4.322
802.	17.47	2226.	4.329
803.	17.52	2227.	4.314
804.	17.49	2228.	4.357
805.	17.5	2229.	4.286
806.	17.52	2230.	4.331
807.	17.53	2231.	4.287
808.	17.52	2232.	4.3
809.	17.54	2233.	4.315
810.	17.57	2234.	4.272
811.	17.58	2235.	4.306
812.	17.58	2236.	4.291
813.	17.6	2237.	4.306
814.	17.58	2238.	4.301
815.	17.59	2239.	4.283
816.	17.58	2240.	4.262
817.	17.58	2241.	4.263
818.	17.64	2242.	4.252
819.	17.61	2243.	4.28
820.	17.6	2244.	4.277
821.	17.64	2245.	4.25
822.	17.63	2246.	4.255
823.	17.62	2247.	4.251
824.	17.64	2248.	4.249

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	17.61	2249.	4.252
826.	17.64	2250.	4.254
827.	17.65	2251.	4.234
828.	17.67	2252.	4.256
829.	17.67	2253.	4.226
830.	17.68	2254.	4.24
831.	17.64	2255.	4.261
832.	17.7	2256.	4.242
833.	17.7	2257.	4.218
834.	17.71	2258.	4.215
835.	17.68	2259.	4.224
836.	17.71	2260.	4.23
837.	17.7	2261.	4.216
838.	17.72	2262.	4.176
839.	17.74	2263.	4.206
840.	17.73	2264.	4.24
841.	17.75	2265.	4.202
842.	17.74	2266.	4.213
843.	17.74	2267.	4.152
844.	17.75	2268.	4.212
845.	17.76	2269.	4.174
846.	17.77	2270.	4.192
847.	17.76	2271.	4.193
848.	17.77	2272.	4.173
849.	17.76	2273.	4.169
850.	17.76	2274.	4.173
851.	17.75	2275.	4.189
852.	17.78	2276.	4.195
853.	17.77	2277.	4.164
854.	17.79	2278.	4.144
855.	17.78	2279.	4.17
856.	17.81	2280.	4.168
857.	17.8	2281.	4.153
858.	17.81	2282.	4.145
859.	17.8	2283.	4.163
860.	17.83	2284.	4.14
861.	17.82	2285.	4.171
862.	17.85	2286.	4.126
863.	17.85	2287.	4.11
864.	17.85	2288.	4.122
865.	17.85	2289.	4.124
866.	17.87	2290.	4.101
867.	17.89	2291.	4.107
868.	17.88	2292.	4.134
869.	17.84	2293.	4.092
870.	17.88	2294.	4.092
871.	17.89	2295.	4.109
872.	17.88	2296.	4.108
873.	17.87	2297.	4.072
874.	17.88	2298.	4.067
875.	17.88	2299.	4.093
876.	17.93	2300.	4.111
877.	17.92	2301.	4.087
878.	17.92	2302.	4.074
879.	17.94	2303.	4.067
880.	17.94	2304.	4.072
881.	17.96	2305.	4.08
882.	17.95	2306.	4.06
883.	17.96	2307.	4.047
884.	17.95	2308.	4.077
885.	17.95	2309.	4.063
886.	17.96	2310.	4.06
887.	17.98	2311.	4.056
888.	17.95	2312.	4.044
889.	17.97	2313.	4.051
890.	17.96	2314.	4.068

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	17.97	2315.	4.052
892.	18.	2316.	4.083
893.	17.99	2317.	4.039
894.	18.	2318.	4.032
895.	18.01	2319.	4.043
896.	17.99	2320.	4.057
897.	18.03	2321.	4.027
898.	18.01	2322.	4.015
899.	18.04	2323.	4.04
900.	18.04	2324.	4.012
901.	18.04	2325.	4.033
902.	18.05	2326.	4.03
903.	18.06	2327.	4.007
904.	18.07	2328.	3.998
905.	18.04	2329.	4.03
906.	18.08	2330.	4.004
907.	18.06	2331.	3.954
908.	18.06	2332.	4.012
909.	18.09	2333.	4.012
910.	18.1	2334.	3.997
911.	18.08	2335.	3.999
912.	18.13	2336.	3.992
913.	18.11	2337.	3.972
914.	18.09	2338.	4.01
915.	18.13	2339.	4.01
916.	18.11	2340.	3.974
917.	18.13	2341.	3.958
918.	18.13	2342.	3.969
919.	18.13	2343.	3.964
920.	18.14	2344.	3.999
921.	18.12	2345.	3.963
922.	18.15	2346.	3.958
923.	18.15	2347.	3.966
924.	18.18	2348.	3.943
925.	18.16	2349.	3.982
926.	18.18	2350.	3.962
927.	18.17	2351.	3.935
928.	18.18	2352.	3.954
929.	18.22	2353.	3.942
930.	18.21	2354.	3.955
931.	18.2	2355.	3.929
932.	18.22	2356.	3.923
933.	18.16	2357.	3.938
934.	18.2	2358.	3.893
935.	18.21	2359.	3.912
936.	18.22	2360.	3.934
937.	18.21	2361.	3.915
938.	18.22	2362.	3.895
939.	18.24	2363.	3.909
940.	18.21	2364.	3.907
941.	18.25	2365.	3.917
942.	18.24	2366.	3.899
943.	18.27	2367.	3.907
944.	18.23	2368.	3.881
945.	18.24	2369.	3.864
946.	18.25	2370.	3.875
947.	18.31	2371.	3.865
948.	18.26	2372.	3.885
949.	18.26	2373.	3.867
950.	18.3	2374.	3.869
951.	18.29	2375.	3.887
952.	18.29	2376.	3.873
953.	18.31	2377.	3.845
954.	18.31	2378.	3.868
955.	18.31	2379.	3.87
956.	18.34	2380.	3.873

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	18.3	2381.	3.842
958.	18.3	2382.	3.866
959.	18.33	2383.	3.852
960.	18.31	2384.	3.873
961.	18.33	2385.	3.849
962.	18.33	2386.	3.842
963.	18.36	2387.	3.852
964.	18.36	2388.	3.804
965.	18.37	2389.	3.819
966.	18.37	2390.	3.845
967.	18.37	2391.	3.821
968.	18.37	2392.	3.797
969.	18.36	2393.	3.827
970.	18.41	2394.	3.787
971.	18.37	2395.	3.813
972.	18.38	2396.	3.835
973.	18.42	2397.	3.848
974.	18.38	2398.	3.832
975.	18.4	2399.	3.784
976.	18.41	2400.	3.811
977.	18.42	2401.	3.792
978.	18.4	2402.	3.786
979.	18.4	2403.	3.767
980.	18.41	2404.	3.821
981.	18.43	2405.	3.8
982.	18.42	2406.	3.768
983.	18.45	2407.	3.797
984.	18.45	2408.	3.788
985.	18.46	2409.	3.802
986.	18.46	2410.	3.766
987.	18.43	2411.	3.757
988.	18.44	2412.	3.771
989.	18.44	2413.	3.726
990.	18.47	2414.	3.768
991.	18.45	2415.	3.745
992.	18.48	2416.	3.749
993.	18.48	2417.	3.767
994.	18.47	2418.	3.729
995.	18.5	2419.	3.755
996.	18.48	2420.	3.759
997.	18.5	2421.	3.738
998.	18.5	2422.	3.739
999.	18.51	2423.	3.736
1000.	18.53	2424.	3.721
1001.	18.53	2425.	3.726
1002.	18.54	2426.	3.719
1003.	18.5	2427.	3.709
1004.	18.52	2428.	3.735
1005.	18.54	2429.	3.727
1006.	18.55	2430.	3.721
1007.	18.54	2431.	3.725
1008.	18.55	2432.	3.718
1009.	18.56	2433.	3.703
1010.	18.56	2434.	3.721
1011.	18.58	2435.	3.692
1012.	18.58	2436.	3.734
1013.	18.57	2437.	3.688
1014.	18.56	2438.	3.685
1015.	18.58	2439.	3.693
1016.	18.62	2440.	3.692
1017.	18.58	2441.	3.686
1018.	18.59	2442.	3.688
1019.	18.58	2443.	3.714
1020.	18.59	2444.	3.681
1021.	18.61	2445.	3.7
1022.	18.62	2446.	3.7

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	18.61	2447.	3.666
1024.	18.62	2448.	3.689
1025.	18.64	2449.	3.665
1026.	18.64	2450.	3.676
1027.	18.63	2451.	3.665
1028.	18.65	2452.	3.646
1029.	18.64	2453.	3.653
1030.	18.65	2454.	3.662
1031.	18.63	2455.	3.659
1032.	18.67	2456.	3.65
1033.	18.65	2457.	3.658
1034.	18.67	2458.	3.669
1035.	18.65	2459.	3.664
1036.	18.66	2460.	3.651
1037.	18.69	2461.	3.653
1038.	18.67	2462.	3.658
1039.	18.65	2463.	3.615
1040.	18.7	2464.	3.646
1041.	18.71	2465.	3.631
1042.	18.72	2466.	3.624
1043.	18.67	2467.	3.624
1044.	18.7	2468.	3.614
1045.	18.72	2469.	3.613
1046.	18.7	2470.	3.64
1047.	18.69	2471.	3.605
1048.	18.73	2472.	3.617
1049.	18.75	2473.	3.624
1050.	18.73	2474.	3.586
1051.	18.73	2475.	3.612
1052.	18.72	2476.	3.631
1053.	18.7	2477.	3.6
1054.	18.75	2478.	3.571
1055.	18.76	2479.	3.61
1056.	18.73	2480.	3.597
1057.	18.74	2481.	3.618
1058.	18.74	2482.	3.56
1059.	18.77	2483.	3.586
1060.	18.76	2484.	3.565
1061.	18.78	2485.	3.58
1062.	18.76	2486.	3.571
1063.	18.77	2487.	3.587
1064.	18.77	2488.	3.581
1065.	18.81	2489.	3.55
1066.	18.81	2490.	3.554
1067.	18.78	2491.	3.565
1068.	18.8	2492.	3.562
1069.	18.84	2493.	3.556
1070.	18.81	2494.	3.569
1071.	18.82	2495.	3.526
1072.	18.81	2496.	3.534
1073.	18.85	2497.	3.572
1074.	18.8	2498.	3.541
1075.	18.78	2499.	3.529
1076.	18.82	2500.	3.522
1077.	18.81	2501.	3.516
1078.	18.86	2502.	3.529
1079.	18.84	2503.	3.511
1080.	18.85	2504.	3.514
1081.	18.86	2505.	3.538
1082.	18.88	2506.	3.521
1083.	18.87	2507.	3.518
1084.	18.87	2508.	3.522
1085.	18.87	2509.	3.544
1086.	18.88	2510.	3.526
1087.	18.85	2511.	3.518
1088.	18.9	2512.	3.514

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	18.88	2513.	3.516
1090.	18.92	2514.	3.501
1091.	18.87	2515.	3.506
1092.	18.95	2516.	3.499
1093.	18.91	2517.	3.494
1094.	18.91	2518.	3.518
1095.	18.9	2519.	3.474
1096.	18.89	2520.	3.467
1097.	18.92	2521.	3.485
1098.	18.91	2522.	3.472
1099.	18.93	2523.	3.506
1100.	18.92	2524.	3.48
1101.	18.94	2525.	3.473
1102.	18.95	2526.	3.496
1103.	18.96	2527.	3.474
1104.	18.94	2528.	3.467
1105.	18.95	2529.	3.434
1106.	18.92	2530.	3.465
1107.	18.93	2531.	3.468
1108.	18.94	2532.	3.438
1109.	18.98	2533.	3.465
1110.	18.96	2534.	3.469
1111.	18.97	2535.	3.48
1112.	18.96	2536.	3.422
1113.	18.96	2537.	3.454
1114.	18.96	2538.	3.453
1115.	18.97	2539.	3.43
1116.	18.97	2540.	3.43
1117.	19.01	2541.	3.453
1118.	18.97	2542.	3.421
1119.	18.98	2543.	3.426
1120.	18.98	2544.	3.449
1121.	19.	2545.	3.437
1122.	18.99	2546.	3.405
1123.	19.03	2547.	3.43
1124.	19.04	2548.	3.399
1125.	19.04	2549.	3.431
1126.	19.03	2550.	3.43
1127.	19.04	2551.	3.412
1128.	19.03	2552.	3.406
1129.	19.04	2553.	3.395
1130.	19.06	2554.	3.392
1131.	19.03	2555.	3.402
1132.	19.04	2556.	3.39
1133.	19.02	2557.	3.418
1134.	19.03	2558.	3.385
1135.	19.07	2559.	3.384
1136.	19.07	2560.	3.396
1137.	19.05	2561.	3.361
1138.	19.06	2562.	3.394
1139.	19.04	2563.	3.405
1140.	19.03	2564.	3.363
1141.	19.06	2565.	3.388
1142.	19.08	2566.	3.385
1143.	19.09	2567.	3.364
1144.	19.1	2568.	3.392
1145.	19.09	2569.	3.381
1146.	19.13	2570.	3.401
1147.	19.11	2571.	3.365
1148.	19.1	2572.	3.36
1149.	19.09	2573.	3.409
1150.	19.11	2574.	3.349
1151.	19.13	2575.	3.352
1152.	19.1	2576.	3.347
1153.	19.08	2577.	3.369
1154.	19.13	2578.	3.371

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	19.12	2579.	3.342
1156.	19.13	2580.	3.347
1157.	19.12	2581.	3.377
1158.	19.1	2582.	3.322
1159.	19.16	2583.	3.328
1160.	19.16	2584.	3.318
1161.	19.12	2585.	3.355
1162.	19.14	2586.	3.326
1163.	19.14	2587.	3.348
1164.	19.15	2588.	3.335
1165.	19.17	2589.	3.353
1166.	19.15	2590.	3.31
1167.	19.19	2591.	3.327
1168.	19.15	2592.	3.315
1169.	19.17	2593.	3.318
1170.	19.18	2594.	3.292
1171.	19.2	2595.	3.328
1172.	19.17	2596.	3.326
1173.	19.18	2597.	3.328
1174.	19.2	2598.	3.27
1175.	19.2	2599.	3.308
1176.	19.19	2600.	3.309
1177.	19.17	2601.	3.325
1178.	19.11	2602.	3.284
1179.	18.98	2603.	3.302
1180.	18.91	2604.	3.276
1181.	18.8	2605.	3.324
1182.	18.69	2606.	3.309
1183.	18.63	2607.	3.252
1184.	18.48	2608.	3.303
1185.	18.41	2609.	3.299
1186.	18.34	2610.	3.287
1187.	18.27	2611.	3.318
1188.	18.19	2612.	3.315
1189.	18.14	2613.	3.29
1190.	18.1	2614.	3.287
1191.	18.02	2615.	3.309
1192.	17.99	2616.	3.281
1193.	17.93	2617.	3.276
1194.	17.87	2618.	3.238
1195.	17.85	2619.	3.263
1196.	17.79	2620.	3.268
1197.	17.76	2621.	3.257
1198.	17.71	2622.	3.263
1199.	17.68	2623.	3.278
1200.	17.66	2624.	3.247
1201.	17.65	2625.	3.221
1202.	17.6	2626.	3.266
1203.	17.56	2627.	3.246
1204.	17.55	2628.	3.246
1205.	17.49	2629.	3.269
1206.	17.51	2630.	3.238
1207.	17.46	2631.	3.239
1208.	17.43	2632.	3.232
1209.	17.43	2633.	3.233
1210.	17.36	2634.	3.263
1211.	17.37	2635.	3.235
1212.	17.35	2636.	3.221
1213.	17.32	2637.	3.244
1214.	17.28	2638.	3.209
1215.	17.25	2639.	3.224
1216.	17.24	2640.	3.239
1217.	17.21	2641.	3.231
1218.	17.21	2642.	3.206
1219.	17.19	2643.	3.215
1220.	17.16	2644.	3.205

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	17.17	2645.	3.188
1222.	17.2	2646.	3.196
1223.	17.28	2647.	3.191
1224.	17.31	2648.	3.178
1225.	17.34	2649.	3.207
1226.	17.4	2650.	3.176
1227.	17.47	2651.	3.209
1228.	17.51	2652.	3.187
1229.	17.62	2653.	3.195
1230.	17.67	2654.	3.163
1231.	17.72	2655.	3.198
1232.	17.76	2656.	3.183
1233.	17.78	2657.	3.144
1234.	17.86	2658.	3.162
1235.	17.91	2659.	3.166
1236.	17.95	2660.	3.16
1237.	17.96	2661.	3.169
1238.	18.02	2662.	3.155
1239.	18.06	2663.	3.15
1240.	18.09	2664.	3.172
1241.	18.1	2665.	3.141
1242.	18.15	2666.	3.163
1243.	18.2	2667.	3.179
1244.	18.21	2668.	3.193
1245.	18.27	2669.	3.151
1246.	18.28	2670.	3.144
1247.	18.3	2671.	3.151
1248.	18.3	2672.	3.18
1249.	18.33	2673.	3.15
1250.	18.35	2674.	3.157
1251.	18.4	2675.	3.157
1252.	18.4	2676.	3.108
1253.	18.42	2677.	3.146
1254.	18.42	2678.	3.131
1255.	18.45	2679.	3.123
1256.	18.47	2680.	3.122
1257.	18.5	2681.	3.125
1258.	18.53	2682.	3.122
1259.	18.55	2683.	3.156
1260.	18.56	2684.	3.113
1261.	18.57	2685.	3.116
1262.	18.58	2686.	3.112
1263.	18.62	2687.	3.135
1264.	18.6	2688.	3.111
1265.	18.63	2689.	3.119
1266.	18.67	2690.	3.116
1267.	18.67	2691.	3.128
1268.	18.71	2692.	3.147
1269.	18.73	2693.	3.117
1270.	18.73	2694.	3.094
1271.	18.72	2695.	3.095
1272.	18.76	2696.	3.097
1273.	18.8	2697.	3.088
1274.	18.77	2698.	3.1
1275.	18.79	2699.	3.111
1276.	18.79	2700.	3.107
1277.	18.8	2701.	3.088
1278.	18.82	2702.	3.07
1279.	18.8	2703.	3.093
1280.	18.83	2704.	3.1
1281.	18.85	2705.	3.074
1282.	18.85	2706.	3.069
1283.	18.88	2707.	3.069
1284.	18.88	2708.	3.076
1285.	18.9	2709.	3.039
1286.	18.87	2710.	3.042

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	18.91	2711.	3.059
1288.	18.95	2712.	3.064
1289.	18.91	2713.	3.095
1290.	18.95	2714.	3.083
1291.	18.93	2715.	3.083
1292.	18.91	2716.	3.053
1293.	18.95	2717.	3.083
1294.	18.95	2718.	3.013
1295.	18.95	2719.	3.047
1296.	18.93	2720.	3.066
1297.	18.99	2721.	3.052
1298.	19.01	2722.	3.069
1299.	18.98	2723.	3.067
1300.	18.98	2724.	3.053
1301.	19.02	2725.	3.016
1302.	19.	2726.	3.015
1303.	18.99	2727.	3.053
1304.	19.03	2728.	3.032
1305.	19.03	2729.	3.054
1306.	19.01	2730.	3.056
1307.	19.02	2731.	3.027
1308.	19.05	2732.	3.016
1309.	19.04	2733.	3.03
1310.	19.06	2734.	3.006
1311.	19.04	2735.	3.035
1312.	19.09	2736.	3.034
1313.	19.09	2737.	3.022
1314.	19.09	2738.	3.033
1315.	19.06	2739.	2.993
1316.	19.11	2740.	3.028
1317.	19.08	2741.	3.042
1318.	19.12	2742.	3.025
1319.	19.1	2743.	3.04
1320.	19.1	2744.	2.991
1321.	19.11	2745.	3.018
1322.	19.13	2746.	2.982
1323.	19.15	2747.	2.999
1324.	19.13	2748.	2.984
1325.	19.16	2749.	2.992
1326.	19.14	2750.	2.976
1327.	19.15	2751.	3.003
1328.	19.13	2752.	2.956
1329.	19.17	2753.	2.996
1330.	19.22	2754.	2.972
1331.	19.18	2755.	2.997
1332.	19.2	2756.	2.974
1333.	19.2	2757.	2.978
1334.	19.19	2758.	2.999
1335.	19.18	2759.	2.961
1336.	19.2	2760.	2.984
1337.	19.23	2761.	2.957
1338.	19.24	2762.	2.971
1339.	19.24	2763.	2.969
1340.	19.25	2764.	2.953
1341.	19.26	2765.	2.926
1342.	19.25	2766.	2.951
1343.	19.29	2767.	2.955
1344.	19.24	2768.	2.968
1345.	19.29	2769.	2.946
1346.	19.29	2770.	2.929
1347.	19.28	2771.	2.954
1348.	19.31	2772.	2.938
1349.	19.32	2773.	2.899
1350.	19.3	2774.	2.958
1351.	19.32	2775.	2.949
1352.	19.33	2776.	2.942

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	19.32	2777.	2.933
1354.	19.33	2778.	2.936
1355.	19.35	2779.	2.956
1356.	19.33	2780.	2.924
1357.	19.33	2781.	2.92
1358.	19.33	2782.	2.923
1359.	19.4	2783.	2.921
1360.	19.4	2784.	2.922
1361.	19.38	2785.	2.934
1362.	19.39	2786.	2.909
1363.	19.32	2787.	2.936
1364.	19.38	2788.	2.914
1365.	19.38	2789.	2.931
1366.	19.4	2790.	2.898
1367.	19.38	2791.	2.888
1368.	19.4	2792.	2.895
1369.	19.4	2793.	2.909
1370.	19.42	2794.	2.928
1371.	19.41	2795.	2.917
1372.	19.43	2796.	2.888
1373.	19.44	2797.	2.915
1374.	19.42	2798.	2.927
1375.	19.46	2799.	2.909
1376.	19.47	2800.	2.899
1377.	19.47	2801.	2.877
1378.	19.45	2802.	2.899
1379.	19.45	2803.	2.874
1380.	19.48	2804.	2.876
1381.	19.45	2805.	2.89
1382.	19.5	2806.	2.894
1383.	19.47	2807.	2.877
1384.	19.5	2808.	2.856
1385.	19.49	2809.	2.884
1386.	19.48	2810.	2.884
1387.	19.5	2811.	2.879
1388.	19.51	2812.	2.874
1389.	19.52	2813.	2.878
1390.	19.51	2814.	2.864
1391.	19.53	2815.	2.878
1392.	19.53	2816.	2.856
1393.	19.51	2817.	2.887
1394.	19.52	2818.	2.872
1395.	19.53	2819.	2.845
1396.	19.55	2820.	2.889
1397.	19.55	2821.	2.885
1398.	19.55	2822.	2.827
1399.	19.55	2823.	2.873
1400.	19.56	2824.	2.851
1401.	19.58	2825.	2.857
1402.	19.59	2826.	2.864
1403.	19.58	2827.	2.862
1404.	19.55	2828.	2.861
1405.	19.6	2829.	2.849
1406.	19.59	2830.	2.849
1407.	19.58	2831.	2.868
1408.	19.63	2832.	2.84
1409.	19.6	2833.	2.854
1410.	19.58	2834.	2.837
1411.	19.59	2835.	2.837
1412.	19.61	2836.	2.839
1413.	19.6	2837.	2.824
1414.	19.61	2838.	2.856
1415.	19.64	2839.	2.864
1416.	19.63	2840.	2.847
1417.	19.65	2841.	2.802
1418.	19.6	2842.	2.845

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	19.65	2843.	2.83
1420.	19.63	2844.	2.832
1421.	19.65	2845.	2.842
1422.	19.64	2846.	2.828
1423.	19.67	2847.	2.814
1424.	19.65		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1261.1	ft^2/day
S	6.163E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.76 ft/day (0.005561 cm/sec)
Ss = S/b = 7.704E-7 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1268.1	2.826	+/- 5.541	448.7	ft^2/day
S	6.577E-5	4.473E-7	+/- 8.771E-7	147.1	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 15.85 ft/day (0.005592 cm/sec)
Ss = S/b = 8.221E-7 1/ft

Parameter Correlations

	T	S
T	1.00	-0.88
S	-0.88	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 801. ft^2
Variance . . . . . 0.2815 ft^2
Std. Deviation . . . . . 0.5306 ft
Mean . . . . . -0.135 ft
No. of Residuals 2847
No. of Estimates 2

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW16

X Location: 548. ft
Y Location: 674. ft

Radial distance from BM 1B: 653.4890971 ft
Radial distance from BM2A: 995.6917194 ft
Radial distance from BM3: 117.9237041 ft
Radial distance from BM 4 : 331.8915486 ft
Radial distance from BM5: 522.2575993 ft
Radial distance from BM 6: 785.2082526 ft
Radial distance from BM7: 1081.347308 ft
Radial distance from BM9: 1715.437262 ft

Fully Penetrating Well

No. of Observations: 2855

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.03671	1429.	15.33
2.	0.04243	1430.	15.37
3.	0.04127	1431.	15.38
4.	0.01889	1432.	15.36
5.	0.0256	1433.	15.36
6.	0.05673	1434.	15.38
7.	0.04785	1435.	15.35
8.	0.03778	1436.	15.41
9.	0.0477	1437.	15.37
10.	0.03657	1438.	15.39
11.	0.05566	1439.	15.39
12.	0.09752	1440.	15.43
13.	0.09879	1441.	15.43
14.	0.1055	1442.	15.37
15.	0.1422	1443.	15.39
16.	0.1555	1444.	15.38
17.	0.1722	1445.	15.36
18.	0.1622	1446.	15.34
19.	0.21	1447.	15.24
20.	0.2456	1448.	15.29
21.	0.2642	1449.	15.23
22.	0.2899	1450.	15.17
23.	0.3476	1451.	15.14
24.	0.3822	1452.	15.09
25.	0.3966	1453.	15.06
26.	0.4253	1454.	15.
27.	0.4087	1455.	14.93
28.	0.4643	1456.	14.9
29.	0.4965	1457.	14.84
30.	0.5941	1458.	14.8
31.	0.6397	1459.	14.73
32.	0.6718	1460.	14.67

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.6752	1461.	14.61
34.	0.7508	1462.	14.53
35.	0.7908	1463.	14.52
36.	0.8595	1464.	14.47
37.	0.8841	1465.	14.41
38.	0.9019	1466.	14.38
39.	0.9673	1467.	14.29
40.	1.016	1468.	14.25
41.	1.074	1469.	14.16
42.	1.123	1470.	14.12
43.	1.207	1471.	14.08
44.	1.226	1472.	14.04
45.	1.286	1473.	13.97
46.	1.327	1474.	13.92
47.	1.36	1475.	13.84
48.	1.443	1476.	13.83
49.	1.474	1477.	13.75
50.	1.522	1478.	13.69
51.	1.574	1479.	13.66
52.	1.625	1480.	13.6
53.	1.685	1481.	13.54
54.	1.747	1482.	13.51
55.	1.814	1483.	13.45
56.	1.862	1484.	13.41
57.	1.9	1485.	13.34
58.	1.955	1486.	13.27
59.	1.989	1487.	13.23
60.	2.073	1488.	13.17
61.	2.148	1489.	13.15
62.	2.175	1490.	13.07
63.	2.249	1491.	13.02
64.	2.278	1492.	12.96
65.	2.306	1493.	12.98
66.	2.381	1494.	12.86
67.	2.45	1495.	12.88
68.	2.516	1496.	12.8
69.	2.539	1497.	12.77
70.	2.591	1498.	12.69
71.	2.651	1499.	12.66
72.	2.703	1500.	12.61
73.	2.757	1501.	12.57
74.	2.767	1502.	12.54
75.	2.829	1503.	12.49
76.	2.887	1504.	12.42
77.	2.93	1505.	12.42
78.	2.994	1506.	12.34
79.	3.038	1507.	12.32
80.	3.074	1508.	12.26
81.	3.103	1509.	12.2
82.	3.157	1510.	12.19
83.	3.263	1511.	12.08
84.	3.269	1512.	12.09
85.	3.313	1513.	12.04
86.	3.386	1514.	12.01
87.	3.434	1515.	11.97
88.	3.511	1516.	11.93
89.	3.533	1517.	11.88
90.	3.548	1518.	11.87
91.	3.591	1519.	11.79
92.	3.65	1520.	11.79
93.	3.697	1521.	11.7
94.	3.756	1522.	11.72
95.	3.809	1523.	11.66
96.	3.844	1524.	11.63
97.	3.871	1525.	11.58
98.	3.883	1526.	11.55

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	3.975	1527.	11.48
100.	4.013	1528.	11.45
101.	4.021	1529.	11.43
102.	4.111	1530.	11.43
103.	4.13	1531.	11.37
104.	4.161	1532.	11.35
105.	4.186	1533.	11.26
106.	4.223	1534.	11.22
107.	4.317	1535.	11.22
108.	4.332	1536.	11.18
109.	4.371	1537.	11.16
110.	4.392	1538.	11.11
111.	4.429	1539.	11.07
112.	4.468	1540.	11.05
113.	4.534	1541.	11.
114.	4.574	1542.	10.97
115.	4.61	1543.	10.93
116.	4.629	1544.	10.92
117.	4.644	1545.	10.89
118.	4.714	1546.	10.88
119.	4.769	1547.	10.83
120.	4.77	1548.	10.78
121.	4.827	1549.	10.74
122.	4.869	1550.	10.75
123.	4.913	1551.	10.72
124.	4.979	1552.	10.67
125.	4.988	1553.	10.64
126.	5.015	1554.	10.58
127.	5.106	1555.	10.55
128.	5.071	1556.	10.57
129.	5.124	1557.	10.54
130.	5.129	1558.	10.49
131.	5.192	1559.	10.48
132.	5.265	1560.	10.42
133.	5.268	1561.	10.38
134.	5.273	1562.	10.38
135.	5.352	1563.	10.35
136.	5.371	1564.	10.31
137.	5.39	1565.	10.29
138.	5.457	1566.	10.28
139.	5.462	1567.	10.25
140.	5.496	1568.	10.2
141.	5.564	1569.	10.19
142.	5.551	1570.	10.12
143.	5.577	1571.	10.14
144.	5.614	1572.	10.09
145.	5.674	1573.	10.06
146.	5.654	1574.	10.04
147.	5.749	1575.	10.02
148.	5.759	1576.	10.02
149.	5.792	1577.	9.949
150.	5.832	1578.	9.956
151.	5.849	1579.	9.901
152.	5.891	1580.	9.901
153.	5.906	1581.	9.869
154.	5.939	1582.	9.847
155.	5.969	1583.	9.847
156.	6.012	1584.	9.796
157.	6.033	1585.	9.785
158.	6.074	1586.	9.717
159.	6.056	1587.	9.706
160.	6.118	1588.	9.697
161.	6.163	1589.	9.712
162.	6.184	1590.	9.663
163.	6.207	1591.	9.605
164.	6.233	1592.	9.602

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	6.255	1593.	9.582
166.	6.32	1594.	9.56
167.	6.301	1595.	9.541
168.	6.343	1596.	9.512
169.	6.384	1597.	9.481
170.	6.422	1598.	9.457
171.	6.435	1599.	9.483
172.	6.462	1600.	9.448
173.	6.487	1601.	9.384
174.	6.52	1602.	9.382
175.	6.584	1603.	9.363
176.	6.556	1604.	9.345
177.	6.612	1605.	9.282
178.	6.633	1606.	9.314
179.	6.664	1607.	9.275
180.	6.644	1608.	9.27
181.	6.702	1609.	9.234
182.	6.711	1610.	9.204
183.	6.766	1611.	9.194
184.	6.783	1612.	9.172
185.	6.803	1613.	9.137
186.	6.833	1614.	9.099
187.	6.835	1615.	9.102
188.	6.884	1616.	9.112
189.	6.906	1617.	9.092
190.	6.983	1618.	9.046
191.	6.967	1619.	9.052
192.	6.987	1620.	9.027
193.	6.986	1621.	9.005
194.	7.015	1622.	8.965
195.	7.076	1623.	8.983
196.	7.073	1624.	8.924
197.	7.077	1625.	8.898
198.	7.158	1626.	8.902
199.	7.141	1627.	8.846
200.	7.155	1628.	8.859
201.	7.226	1629.	8.829
202.	7.206	1630.	8.835
203.	7.225	1631.	8.811
204.	7.259	1632.	8.802
205.	7.271	1633.	8.759
206.	7.306	1634.	8.758
207.	7.317	1635.	8.727
208.	7.365	1636.	8.687
209.	7.37	1637.	8.729
210.	7.393	1638.	8.679
211.	7.396	1639.	8.64
212.	7.446	1640.	8.643
213.	7.485	1641.	8.627
214.	7.485	1642.	8.623
215.	7.502	1643.	8.569
216.	7.538	1644.	8.586
217.	7.556	1645.	8.551
218.	7.597	1646.	8.541
219.	7.579	1647.	8.543
220.	7.598	1648.	8.499
221.	7.618	1649.	8.487
222.	7.676	1650.	8.468
223.	7.662	1651.	8.468
224.	7.688	1652.	8.409
225.	7.706	1653.	8.403
226.	7.718	1654.	8.409
227.	7.756	1655.	8.383
228.	7.747	1656.	8.378
229.	7.807	1657.	8.382
230.	7.804	1658.	8.349

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	7.843	1659.	8.331
232.	7.865	1660.	8.292
233.	7.87	1661.	8.307
234.	7.881	1662.	8.27
235.	7.911	1663.	8.27
236.	7.924	1664.	8.243
237.	7.953	1665.	8.247
238.	7.98	1666.	8.227
239.	7.982	1667.	8.221
240.	7.991	1668.	8.188
241.	7.984	1669.	8.158
242.	8.031	1670.	8.153
243.	8.074	1671.	8.154
244.	8.074	1672.	8.143
245.	8.099	1673.	8.115
246.	8.126	1674.	8.079
247.	8.15	1675.	8.083
248.	8.121	1676.	8.072
249.	8.153	1677.	8.031
250.	8.209	1678.	8.036
251.	8.226	1679.	8.
252.	8.258	1680.	8.007
253.	8.241	1681.	8.
254.	8.269	1682.	7.991
255.	8.283	1683.	7.962
256.	8.313	1684.	7.958
257.	8.316	1685.	7.945
258.	8.355	1686.	7.942
259.	8.35	1687.	7.919
260.	8.388	1688.	7.893
261.	8.375	1689.	7.866
262.	8.406	1690.	7.87
263.	8.381	1691.	7.845
264.	8.439	1692.	7.847
265.	8.474	1693.	7.809
266.	8.48	1694.	7.799
267.	8.496	1695.	7.803
268.	8.497	1696.	7.769
269.	8.49	1697.	7.774
270.	8.557	1698.	7.784
271.	8.537	1699.	7.746
272.	8.612	1700.	7.726
273.	8.594	1701.	7.695
274.	8.612	1702.	7.696
275.	8.627	1703.	7.701
276.	8.644	1704.	7.688
277.	8.663	1705.	7.649
278.	8.666	1706.	7.639
279.	8.716	1707.	7.616
280.	8.691	1708.	7.642
281.	8.736	1709.	7.586
282.	8.771	1710.	7.598
283.	8.751	1711.	7.604
284.	8.792	1712.	7.556
285.	8.764	1713.	7.554
286.	8.811	1714.	7.537
287.	8.837	1715.	7.533
288.	8.839	1716.	7.495
289.	8.841	1717.	7.509
290.	8.885	1718.	7.528
291.	8.912	1719.	7.5
292.	8.892	1720.	7.45
293.	8.915	1721.	7.443
294.	8.933	1722.	7.463
295.	8.946	1723.	7.444
296.	8.975	1724.	7.407

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	8.995	1725.	7.404
298.	8.971	1726.	7.384
299.	8.995	1727.	7.389
300.	9.033	1728.	7.381
301.	9.025	1729.	7.344
302.	9.046	1730.	7.392
303.	9.068	1731.	7.308
304.	9.109	1732.	7.319
305.	9.078	1733.	7.313
306.	9.13	1734.	7.306
307.	9.117	1735.	7.318
308.	9.119	1736.	7.272
309.	9.175	1737.	7.307
310.	9.185	1738.	7.235
311.	9.201	1739.	7.269
312.	9.209	1740.	7.244
313.	9.224	1741.	7.198
314.	9.239	1742.	7.199
315.	9.238	1743.	7.208
316.	9.275	1744.	7.171
317.	9.294	1745.	7.165
318.	9.265	1746.	7.188
319.	9.283	1747.	7.126
320.	9.305	1748.	7.144
321.	9.361	1749.	7.16
322.	9.327	1750.	7.13
323.	9.364	1751.	7.131
324.	9.359	1752.	7.087
325.	9.418	1753.	7.093
326.	9.431	1754.	7.034
327.	9.415	1755.	7.061
328.	9.456	1756.	7.032
329.	9.473	1757.	7.026
330.	9.441	1758.	7.038
331.	9.464	1759.	7.022
332.	9.466	1760.	6.994
333.	9.51	1761.	6.992
334.	9.539	1762.	7.006
335.	9.551	1763.	6.974
336.	9.557	1764.	6.953
337.	9.556	1765.	6.955
338.	9.617	1766.	6.931
339.	9.604	1767.	6.935
340.	9.604	1768.	6.893
341.	9.629	1769.	6.915
342.	9.608	1770.	6.922
343.	9.653	1771.	6.903
344.	9.644	1772.	6.916
345.	9.651	1773.	6.86
346.	9.699	1774.	6.872
347.	9.678	1775.	6.874
348.	9.702	1776.	6.862
349.	9.711	1777.	6.878
350.	9.706	1778.	6.828
351.	9.719	1779.	6.81
352.	9.761	1780.	6.803
353.	9.761	1781.	6.807
354.	9.801	1782.	6.761
355.	9.796	1783.	6.762
356.	9.781	1784.	6.756
357.	9.796	1785.	6.765
358.	9.851	1786.	6.762
359.	9.836	1787.	6.719
360.	9.84	1788.	6.718
361.	9.842	1789.	6.74
362.	9.878	1790.	6.722

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	9.912	1791.	6.711
364.	9.905	1792.	6.686
365.	9.919	1793.	6.654
366.	9.928	1794.	6.634
367.	9.924	1795.	6.647
368.	9.948	1796.	6.661
369.	9.956	1797.	6.615
370.	10.	1798.	6.642
371.	9.949	1799.	6.635
372.	9.955	1800.	6.626
373.	9.981	1801.	6.603
374.	9.985	1802.	6.564
375.	10.02	1803.	6.579
376.	10.01	1804.	6.557
377.	10.03	1805.	6.587
378.	10.03	1806.	6.587
379.	10.05	1807.	6.526
380.	10.08	1808.	6.534
381.	10.08	1809.	6.484
382.	10.06	1810.	6.492
383.	10.08	1811.	6.489
384.	10.06	1812.	6.468
385.	10.1	1813.	6.49
386.	10.1	1814.	6.524
387.	10.1	1815.	6.473
388.	10.1	1816.	6.479
389.	10.1	1817.	6.469
390.	10.1	1818.	6.461
391.	10.15	1819.	6.433
392.	10.16	1820.	6.436
393.	10.15	1821.	6.424
394.	10.18	1822.	6.423
395.	10.14	1823.	6.403
396.	10.16	1824.	6.381
397.	10.17	1825.	6.378
398.	10.19	1826.	6.376
399.	10.22	1827.	6.352
400.	10.21	1828.	6.365
401.	10.24	1829.	6.352
402.	10.22	1830.	6.345
403.	10.22	1831.	6.301
404.	10.26	1832.	6.346
405.	10.22	1833.	6.331
406.	10.22	1834.	6.292
407.	10.28	1835.	6.273
408.	10.26	1836.	6.279
409.	10.29	1837.	6.286
410.	10.28	1838.	6.272
411.	10.27	1839.	6.245
412.	10.29	1840.	6.251
413.	10.28	1841.	6.225
414.	10.33	1842.	6.259
415.	10.35	1843.	6.222
416.	10.35	1844.	6.226
417.	10.34	1845.	6.224
418.	10.36	1846.	6.214
419.	10.38	1847.	6.176
420.	10.35	1848.	6.165
421.	10.38	1849.	6.186
422.	10.38	1850.	6.173
423.	10.39	1851.	6.19
424.	10.42	1852.	6.168
425.	10.42	1853.	6.18
426.	10.44	1854.	6.141
427.	10.44	1855.	6.158
428.	10.46	1856.	6.122

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	10.49	1857.	6.113
430.	10.47	1858.	6.124
431.	10.49	1859.	6.099
432.	10.47	1860.	6.088
433.	10.52	1861.	6.08
434.	10.52	1862.	6.096
435.	10.53	1863.	6.062
436.	10.54	1864.	6.066
437.	10.51	1865.	6.053
438.	10.58	1866.	6.075
439.	10.55	1867.	6.044
440.	10.57	1868.	6.037
441.	10.6	1869.	6.011
442.	10.59	1870.	5.985
443.	10.61	1871.	5.991
444.	10.62	1872.	6.005
445.	10.63	1873.	5.985
446.	10.64	1874.	5.997
447.	10.64	1875.	5.982
448.	10.63	1876.	5.969
449.	10.68	1877.	5.969
450.	10.66	1878.	5.955
451.	10.67	1879.	5.925
452.	10.72	1880.	5.943
453.	10.7	1881.	5.907
454.	10.7	1882.	5.922
455.	10.71	1883.	5.898
456.	10.74	1884.	5.904
457.	10.73	1885.	5.902
458.	10.75	1886.	5.905
459.	10.73	1887.	5.899
460.	10.79	1888.	5.9
461.	10.8	1889.	5.86
462.	10.77	1890.	5.853
463.	10.79	1891.	5.869
464.	10.79	1892.	5.835
465.	10.83	1893.	5.878
466.	10.84	1894.	5.842
467.	10.83	1895.	5.813
468.	10.84	1896.	5.814
469.	10.85	1897.	5.821
470.	10.89	1898.	5.839
471.	10.89	1899.	5.785
472.	10.93	1900.	5.834
473.	10.89	1901.	5.794
474.	10.9	1902.	5.771
475.	10.88	1903.	5.72
476.	10.92	1904.	5.756
477.	10.93	1905.	5.751
478.	10.93	1906.	5.76
479.	10.93	1907.	5.734
480.	10.95	1908.	5.753
481.	10.98	1909.	5.707
482.	10.98	1910.	5.711
483.	10.96	1911.	5.678
484.	11.01	1912.	5.682
485.	11.01	1913.	5.693
486.	11.03	1914.	5.689
487.	10.99	1915.	5.67
488.	11.01	1916.	5.654
489.	11.02	1917.	5.692
490.	11.03	1918.	5.679
491.	11.05	1919.	5.624
492.	11.05	1920.	5.647
493.	11.06	1921.	5.639
494.	11.07	1922.	5.618

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	11.09	1923.	5.623
496.	11.11	1924.	5.61
497.	11.11	1925.	5.636
498.	11.13	1926.	5.591
499.	11.11	1927.	5.607
500.	11.15	1928.	5.624
501.	11.14	1929.	5.624
502.	11.16	1930.	5.576
503.	11.17	1931.	5.58
504.	11.15	1932.	5.552
505.	11.15	1933.	5.537
506.	11.19	1934.	5.563
507.	11.19	1935.	5.563
508.	11.24	1936.	5.543
509.	11.22	1937.	5.559
510.	11.25	1938.	5.532
511.	11.25	1939.	5.52
512.	11.26	1940.	5.546
513.	11.27	1941.	5.512
514.	11.26	1942.	5.517
515.	11.27	1943.	5.495
516.	11.28	1944.	5.503
517.	11.29	1945.	5.502
518.	11.3	1946.	5.469
519.	11.31	1947.	5.455
520.	11.32	1948.	5.48
521.	11.3	1949.	5.491
522.	11.31	1950.	5.468
523.	11.33	1951.	5.438
524.	11.35	1952.	5.461
525.	11.32	1953.	5.476
526.	11.33	1954.	5.434
527.	11.35	1955.	5.435
528.	11.37	1956.	5.432
529.	11.41	1957.	5.402
530.	11.42	1958.	5.383
531.	11.41	1959.	5.371
532.	11.37	1960.	5.401
533.	11.37	1961.	5.382
534.	11.42	1962.	5.386
535.	11.42	1963.	5.397
536.	11.46	1964.	5.368
537.	11.46	1965.	5.367
538.	11.45	1966.	5.37
539.	11.47	1967.	5.37
540.	11.47	1968.	5.372
541.	11.46	1969.	5.355
542.	11.52	1970.	5.315
543.	11.49	1971.	5.34
544.	11.5	1972.	5.329
545.	11.49	1973.	5.297
546.	11.53	1974.	5.333
547.	11.54	1975.	5.327
548.	11.55	1976.	5.339
549.	11.54	1977.	5.29
550.	11.52	1978.	5.282
551.	11.56	1979.	5.278
552.	11.57	1980.	5.275
553.	11.58	1981.	5.28
554.	11.57	1982.	5.261
555.	11.58	1983.	5.258
556.	11.61	1984.	5.296
557.	11.6	1985.	5.245
558.	11.61	1986.	5.259
559.	11.63	1987.	5.235
560.	11.62	1988.	5.211

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	11.62	1989.	5.277
562.	11.63	1990.	5.201
563.	11.64	1991.	5.225
564.	11.63	1992.	5.237
565.	11.69	1993.	5.212
566.	11.66	1994.	5.209
567.	11.68	1995.	5.218
568.	11.67	1996.	5.177
569.	11.66	1997.	5.176
570.	11.67	1998.	5.17
571.	11.7	1999.	5.146
572.	11.7	2000.	5.151
573.	11.72	2001.	5.167
574.	11.71	2002.	5.176
575.	11.74	2003.	5.171
576.	11.76	2004.	5.151
577.	11.76	2005.	5.148
578.	11.8	2006.	5.141
579.	11.74	2007.	5.129
580.	11.77	2008.	5.159
581.	11.77	2009.	5.11
582.	11.8	2010.	5.086
583.	11.79	2011.	5.127
584.	11.8	2012.	5.127
585.	11.82	2013.	5.1
586.	11.81	2014.	5.1
587.	11.85	2015.	5.105
588.	11.82	2016.	5.101
589.	11.84	2017.	5.074
590.	11.85	2018.	5.056
591.	11.86	2019.	5.044
592.	11.87	2020.	5.061
593.	11.86	2021.	5.042
594.	11.88	2022.	5.049
595.	11.87	2023.	5.037
596.	11.9	2024.	5.02
597.	11.88	2025.	5.048
598.	11.89	2026.	5.016
599.	11.89	2027.	5.03
600.	11.92	2028.	5.017
601.	11.94	2029.	5.008
602.	11.94	2030.	5.022
603.	11.9	2031.	5.017
604.	11.98	2032.	4.992
605.	11.95	2033.	5.003
606.	11.98	2034.	4.956
607.	11.94	2035.	4.976
608.	11.98	2036.	4.974
609.	12.	2037.	5.001
610.	11.98	2038.	4.975
611.	11.99	2039.	4.958
612.	12.04	2040.	4.935
613.	11.99	2041.	4.917
614.	12.01	2042.	4.945
615.	12.02	2043.	4.979
616.	12.02	2044.	4.959
617.	12.03	2045.	4.93
618.	12.03	2046.	4.925
619.	12.06	2047.	4.986
620.	12.05	2048.	4.937
621.	12.07	2049.	4.91
622.	12.05	2050.	4.915
623.	12.06	2051.	4.907
624.	12.07	2052.	4.879
625.	12.07	2053.	4.867
626.	12.09	2054.	4.881

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	12.13	2055.	4.869
628.	12.13	2056.	4.871
629.	12.13	2057.	4.866
630.	12.13	2058.	4.885
631.	12.1	2059.	4.888
632.	12.15	2060.	4.875
633.	12.14	2061.	4.845
634.	12.16	2062.	4.84
635.	12.17	2063.	4.827
636.	12.15	2064.	4.813
637.	12.18	2065.	4.849
638.	12.18	2066.	4.809
639.	12.21	2067.	4.799
640.	12.19	2068.	4.837
641.	12.21	2069.	4.779
642.	12.2	2070.	4.806
643.	12.22	2071.	4.797
644.	12.26	2072.	4.787
645.	12.21	2073.	4.774
646.	12.23	2074.	4.769
647.	12.23	2075.	4.762
648.	12.22	2076.	4.797
649.	12.26	2077.	4.79
650.	12.26	2078.	4.761
651.	12.28	2079.	4.804
652.	12.27	2080.	4.781
653.	12.28	2081.	4.745
654.	12.3	2082.	4.766
655.	12.3	2083.	4.756
656.	12.33	2084.	4.72
657.	12.3	2085.	4.788
658.	12.3	2086.	4.729
659.	12.33	2087.	4.745
660.	12.34	2088.	4.78
661.	12.33	2089.	4.72
662.	12.34	2090.	4.689
663.	12.35	2091.	4.713
664.	12.33	2092.	4.736
665.	12.36	2093.	4.698
666.	12.38	2094.	4.728
667.	12.36	2095.	4.685
668.	12.36	2096.	4.723
669.	12.39	2097.	4.7
670.	12.39	2098.	4.703
671.	12.39	2099.	4.692
672.	12.4	2100.	4.695
673.	12.4	2101.	4.679
674.	12.43	2102.	4.687
675.	12.43	2103.	4.695
676.	12.45	2104.	4.663
677.	12.43	2105.	4.64
678.	12.48	2106.	4.661
679.	12.43	2107.	4.655
680.	12.45	2108.	4.625
681.	12.49	2109.	4.628
682.	12.45	2110.	4.634
683.	12.49	2111.	4.625
684.	12.5	2112.	4.625
685.	12.49	2113.	4.654
686.	12.53	2114.	4.653
687.	12.52	2115.	4.609
688.	12.52	2116.	4.609
689.	12.52	2117.	4.586
690.	12.53	2118.	4.615
691.	12.52	2119.	4.595
692.	12.54	2120.	4.628

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	12.54	2121.	4.568
694.	12.55	2122.	4.576
695.	12.56	2123.	4.58
696.	12.57	2124.	4.548
697.	12.58	2125.	4.581
698.	12.63	2126.	4.587
699.	12.61	2127.	4.585
700.	12.59	2128.	4.574
701.	12.59	2129.	4.537
702.	12.58	2130.	4.529
703.	12.62	2131.	4.575
704.	12.59	2132.	4.54
705.	12.62	2133.	4.535
706.	12.61	2134.	4.568
707.	12.65	2135.	4.554
708.	12.65	2136.	4.49
709.	12.62	2137.	4.533
710.	12.63	2138.	4.513
711.	12.67	2139.	4.516
712.	12.64	2140.	4.525
713.	12.66	2141.	4.492
714.	12.68	2142.	4.519
715.	12.66	2143.	4.476
716.	12.67	2144.	4.503
717.	12.66	2145.	4.484
718.	12.71	2146.	4.498
719.	12.69	2147.	4.463
720.	12.72	2148.	4.467
721.	12.74	2149.	4.472
722.	12.74	2150.	4.496
723.	12.73	2151.	4.449
724.	12.75	2152.	4.476
725.	12.76	2153.	4.43
726.	12.75	2154.	4.484
727.	12.74	2155.	4.499
728.	12.74	2156.	4.487
729.	12.77	2157.	4.452
730.	12.78	2158.	4.433
731.	12.8	2159.	4.485
732.	12.76	2160.	4.435
733.	12.74	2161.	4.438
734.	12.75	2162.	4.424
735.	12.84	2163.	4.463
736.	12.81	2164.	4.412
737.	12.8	2165.	4.412
738.	12.83	2166.	4.4
739.	12.81	2167.	4.424
740.	12.85	2168.	4.408
741.	12.85	2169.	4.383
742.	12.86	2170.	4.398
743.	12.86	2171.	4.387
744.	12.84	2172.	4.403
745.	12.88	2173.	4.394
746.	12.86	2174.	4.407
747.	12.87	2175.	4.406
748.	12.87	2176.	4.38
749.	12.91	2177.	4.385
750.	12.91	2178.	4.359
751.	12.92	2179.	4.363
752.	12.89	2180.	4.362
753.	12.93	2181.	4.377
754.	12.91	2182.	4.36
755.	12.91	2183.	4.335
756.	12.93	2184.	4.356
757.	12.91	2185.	4.368
758.	12.92	2186.	4.323

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	12.96	2187.	4.332
760.	12.96	2188.	4.358
761.	12.95	2189.	4.352
762.	12.96	2190.	4.318
763.	12.98	2191.	4.289
764.	12.99	2192.	4.332
765.	12.99	2193.	4.296
766.	12.96	2194.	4.346
767.	12.99	2195.	4.306
768.	12.99	2196.	4.291
769.	13.02	2197.	4.325
770.	13.	2198.	4.3
771.	13.02	2199.	4.321
772.	13.03	2200.	4.319
773.	13.03	2201.	4.309
774.	13.06	2202.	4.286
775.	13.04	2203.	4.282
776.	13.05	2204.	4.257
777.	13.03	2205.	4.269
778.	13.08	2206.	4.265
779.	13.03	2207.	4.292
780.	13.08	2208.	4.283
781.	13.07	2209.	4.283
782.	13.06	2210.	4.281
783.	13.08	2211.	4.273
784.	13.1	2212.	4.261
785.	13.09	2213.	4.262
786.	13.14	2214.	4.254
787.	13.11	2215.	4.224
788.	13.14	2216.	4.228
789.	13.13	2217.	4.237
790.	13.14	2218.	4.215
791.	13.14	2219.	4.227
792.	13.14	2220.	4.228
793.	13.15	2221.	4.243
794.	13.14	2222.	4.217
795.	13.15	2223.	4.248
796.	13.13	2224.	4.226
797.	13.17	2225.	4.209
798.	13.19	2226.	4.179
799.	13.2	2227.	4.216
800.	13.18	2228.	4.232
801.	13.18	2229.	4.199
802.	13.19	2230.	4.206
803.	13.21	2231.	4.165
804.	13.22	2232.	4.218
805.	13.2	2233.	4.176
806.	13.19	2234.	4.167
807.	13.23	2235.	4.167
808.	13.21	2236.	4.134
809.	13.22	2237.	4.181
810.	13.23	2238.	4.171
811.	13.28	2239.	4.181
812.	13.25	2240.	4.142
813.	13.24	2241.	4.156
814.	13.27	2242.	4.164
815.	13.26	2243.	4.172
816.	13.24	2244.	4.144
817.	13.24	2245.	4.154
818.	13.28	2246.	4.143
819.	13.3	2247.	4.165
820.	13.31	2248.	4.147
821.	13.31	2249.	4.122
822.	13.32	2250.	4.111
823.	13.32	2251.	4.128
824.	13.29	2252.	4.122

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	13.33	2253.	4.116
826.	13.33	2254.	4.151
827.	13.31	2255.	4.128
828.	13.32	2256.	4.083
829.	13.33	2257.	4.132
830.	13.34	2258.	4.096
831.	13.34	2259.	4.107
832.	13.36	2260.	4.096
833.	13.39	2261.	4.081
834.	13.34	2262.	4.111
835.	13.37	2263.	4.131
836.	13.36	2264.	4.085
837.	13.36	2265.	4.076
838.	13.39	2266.	4.055
839.	13.35	2267.	4.055
840.	13.39	2268.	4.102
841.	13.39	2269.	4.079
842.	13.4	2270.	4.056
843.	13.42	2271.	4.055
844.	13.39	2272.	4.074
845.	13.42	2273.	4.058
846.	13.43	2274.	4.055
847.	13.44	2275.	4.054
848.	13.41	2276.	4.064
849.	13.43	2277.	4.065
850.	13.44	2278.	4.076
851.	13.43	2279.	4.048
852.	13.44	2280.	4.037
853.	13.48	2281.	4.035
854.	13.46	2282.	4.018
855.	13.45	2283.	4.075
856.	13.51	2284.	4.013
857.	13.49	2285.	4.037
858.	13.49	2286.	4.027
859.	13.48	2287.	4.011
860.	13.48	2288.	4.032
861.	13.49	2289.	4.031
862.	13.49	2290.	4.008
863.	13.5	2291.	4.024
864.	13.51	2292.	4.021
865.	13.54	2293.	3.999
866.	13.53	2294.	3.991
867.	13.55	2295.	3.997
868.	13.55	2296.	3.983
869.	13.54	2297.	3.977
870.	13.55	2298.	4.008
871.	13.52	2299.	3.986
872.	13.54	2300.	3.978
873.	13.56	2301.	3.973
874.	13.54	2302.	3.974
875.	13.58	2303.	3.965
876.	13.56	2304.	3.973
877.	13.55	2305.	3.966
878.	13.62	2306.	3.985
879.	13.6	2307.	3.955
880.	13.57	2308.	3.961
881.	13.6	2309.	3.944
882.	13.6	2310.	3.935
883.	13.62	2311.	3.962
884.	13.63	2312.	3.931
885.	13.64	2313.	3.941
886.	13.62	2314.	3.96
887.	13.63	2315.	3.953
888.	13.64	2316.	3.923
889.	13.65	2317.	3.904
890.	13.64	2318.	3.912

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	13.65	2319.	3.92
892.	13.64	2320.	3.925
893.	13.64	2321.	3.934
894.	13.64	2322.	3.893
895.	13.68	2323.	3.91
896.	13.71	2324.	3.92
897.	13.68	2325.	3.912
898.	13.66	2326.	3.912
899.	13.68	2327.	3.918
900.	13.69	2328.	3.923
901.	13.66	2329.	3.904
902.	13.71	2330.	3.883
903.	13.72	2331.	3.91
904.	13.71	2332.	3.893
905.	13.74	2333.	3.867
906.	13.71	2334.	3.877
907.	13.74	2335.	3.895
908.	13.72	2336.	3.905
909.	13.76	2337.	3.876
910.	13.75	2338.	3.898
911.	13.72	2339.	3.856
912.	13.77	2340.	3.876
913.	13.78	2341.	3.857
914.	13.75	2342.	3.894
915.	13.77	2343.	3.872
916.	13.75	2344.	3.865
917.	13.79	2345.	3.865
918.	13.78	2346.	3.84
919.	13.78	2347.	3.842
920.	13.78	2348.	3.885
921.	13.79	2349.	3.85
922.	13.81	2350.	3.822
923.	13.78	2351.	3.832
924.	13.8	2352.	3.838
925.	13.81	2353.	3.833
926.	13.81	2354.	3.818
927.	13.84	2355.	3.813
928.	13.84	2356.	3.828
929.	13.83	2357.	3.844
930.	13.84	2358.	3.844
931.	13.85	2359.	3.825
932.	13.86	2360.	3.849
933.	13.86	2361.	3.813
934.	13.87	2362.	3.795
935.	13.85	2363.	3.818
936.	13.85	2364.	3.815
937.	13.86	2365.	3.822
938.	13.9	2366.	3.8
939.	13.85	2367.	3.824
940.	13.86	2368.	3.833
941.	13.88	2369.	3.769
942.	13.91	2370.	3.795
943.	13.85	2371.	3.755
944.	13.9	2372.	3.766
945.	13.88	2373.	3.777
946.	13.94	2374.	3.801
947.	13.93	2375.	3.801
948.	13.9	2376.	3.79
949.	13.95	2377.	3.795
950.	13.96	2378.	3.764
951.	13.93	2379.	3.773
952.	13.91	2380.	3.744
953.	13.94	2381.	3.803
954.	13.97	2382.	3.753
955.	13.96	2383.	3.744
956.	13.96	2384.	3.753

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	13.96	2385.	3.758
958.	13.95	2386.	3.771
959.	13.98	2387.	3.73
960.	13.97	2388.	3.772
961.	13.97	2389.	3.764
962.	13.97	2390.	3.758
963.	13.99	2391.	3.747
964.	13.99	2392.	3.741
965.	13.99	2393.	3.741
966.	14.01	2394.	3.751
967.	14.01	2395.	3.734
968.	14.01	2396.	3.706
969.	13.99	2397.	3.756
970.	14.02	2398.	3.704
971.	13.99	2399.	3.711
972.	14.05	2400.	3.72
973.	14.03	2401.	3.714
974.	14.06	2402.	3.703
975.	14.05	2403.	3.703
976.	14.05	2404.	3.724
977.	14.05	2405.	3.703
978.	14.04	2406.	3.687
979.	14.05	2407.	3.698
980.	14.02	2408.	3.676
981.	14.06	2409.	3.681
982.	14.05	2410.	3.687
983.	14.08	2411.	3.673
984.	14.11	2412.	3.674
985.	14.08	2413.	3.648
986.	14.07	2414.	3.675
987.	14.08	2415.	3.683
988.	14.09	2416.	3.674
989.	14.08	2417.	3.662
990.	14.1	2418.	3.684
991.	14.13	2419.	3.656
992.	14.11	2420.	3.677
993.	14.11	2421.	3.658
994.	14.13	2422.	3.653
995.	14.12	2423.	3.668
996.	14.13	2424.	3.654
997.	14.12	2425.	3.63
998.	14.12	2426.	3.62
999.	14.14	2427.	3.627
1000.	14.18	2428.	3.641
1001.	14.14	2429.	3.602
1002.	14.15	2430.	3.613
1003.	14.15	2431.	3.617
1004.	14.18	2432.	3.611
1005.	14.18	2433.	3.619
1006.	14.18	2434.	3.617
1007.	14.2	2435.	3.612
1008.	14.17	2436.	3.604
1009.	14.17	2437.	3.616
1010.	14.2	2438.	3.644
1011.	14.19	2439.	3.626
1012.	14.2	2440.	3.559
1013.	14.2	2441.	3.601
1014.	14.21	2442.	3.604
1015.	14.22	2443.	3.606
1016.	14.21	2444.	3.593
1017.	14.25	2445.	3.595
1018.	14.18	2446.	3.573
1019.	14.2	2447.	3.583
1020.	14.22	2448.	3.519
1021.	14.24	2449.	3.549
1022.	14.26	2450.	3.559

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	14.24	2451.	3.576
1024.	14.24	2452.	3.571
1025.	14.27	2453.	3.571
1026.	14.25	2454.	3.546
1027.	14.26	2455.	3.576
1028.	14.25	2456.	3.603
1029.	14.26	2457.	3.559
1030.	14.29	2458.	3.603
1031.	14.28	2459.	3.538
1032.	14.29	2460.	3.551
1033.	14.28	2461.	3.553
1034.	14.28	2462.	3.538
1035.	14.32	2463.	3.542
1036.	14.31	2464.	3.564
1037.	14.29	2465.	3.552
1038.	14.32	2466.	3.503
1039.	14.33	2467.	3.528
1040.	14.35	2468.	3.538
1041.	14.31	2469.	3.537
1042.	14.3	2470.	3.527
1043.	14.31	2471.	3.51
1044.	14.35	2472.	3.529
1045.	14.34	2473.	3.517
1046.	14.36	2474.	3.523
1047.	14.31	2475.	3.517
1048.	14.36	2476.	3.534
1049.	14.35	2477.	3.538
1050.	14.34	2478.	3.529
1051.	14.34	2479.	3.511
1052.	14.37	2480.	3.48
1053.	14.35	2481.	3.512
1054.	14.37	2482.	3.507
1055.	14.37	2483.	3.494
1056.	14.38	2484.	3.502
1057.	14.37	2485.	3.466
1058.	14.39	2486.	3.472
1059.	14.39	2487.	3.479
1060.	14.37	2488.	3.465
1061.	14.38	2489.	3.479
1062.	14.37	2490.	3.489
1063.	14.42	2491.	3.491
1064.	14.35	2492.	3.478
1065.	14.4	2493.	3.497
1066.	14.39	2494.	3.425
1067.	14.4	2495.	3.438
1068.	14.41	2496.	3.469
1069.	14.4	2497.	3.455
1070.	14.37	2498.	3.495
1071.	14.43	2499.	3.469
1072.	14.43	2500.	3.469
1073.	14.45	2501.	3.446
1074.	14.45	2502.	3.449
1075.	14.42	2503.	3.453
1076.	14.42	2504.	3.455
1077.	14.43	2505.	3.416
1078.	14.46	2506.	3.399
1079.	14.47	2507.	3.392
1080.	14.48	2508.	3.411
1081.	14.47	2509.	3.433
1082.	14.47	2510.	3.452
1083.	14.46	2511.	3.443
1084.	14.46	2512.	3.396
1085.	14.45	2513.	3.418
1086.	14.45	2514.	3.446
1087.	14.46	2515.	3.428
1088.	14.48	2516.	3.445

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	14.47	2517.	3.404
1090.	14.51	2518.	3.424
1091.	14.51	2519.	3.39
1092.	14.5	2520.	3.394
1093.	14.47	2521.	3.394
1094.	14.48	2522.	3.389
1095.	14.49	2523.	3.417
1096.	14.53	2524.	3.434
1097.	14.52	2525.	3.393
1098.	14.52	2526.	3.381
1099.	14.52	2527.	3.432
1100.	14.52	2528.	3.374
1101.	14.54	2529.	3.399
1102.	14.55	2530.	3.408
1103.	14.54	2531.	3.389
1104.	14.57	2532.	3.35
1105.	14.55	2533.	3.371
1106.	14.55	2534.	3.393
1107.	14.56	2535.	3.368
1108.	14.57	2536.	3.364
1109.	14.55	2537.	3.369
1110.	14.57	2538.	3.379
1111.	14.59	2539.	3.385
1112.	14.57	2540.	3.325
1113.	14.62	2541.	3.379
1114.	14.6	2542.	3.38
1115.	14.59	2543.	3.36
1116.	14.57	2544.	3.345
1117.	14.62	2545.	3.342
1118.	14.6	2546.	3.322
1119.	14.61	2547.	3.349
1120.	14.63	2548.	3.358
1121.	14.62	2549.	3.339
1122.	14.6	2550.	3.36
1123.	14.63	2551.	3.336
1124.	14.62	2552.	3.33
1125.	14.6	2553.	3.355
1126.	14.63	2554.	3.323
1127.	14.61	2555.	3.318
1128.	14.64	2556.	3.333
1129.	14.65	2557.	3.324
1130.	14.66	2558.	3.325
1131.	14.66	2559.	3.346
1132.	14.62	2560.	3.299
1133.	14.67	2561.	3.3
1134.	14.65	2562.	3.272
1135.	14.66	2563.	3.312
1136.	14.67	2564.	3.289
1137.	14.67	2565.	3.303
1138.	14.67	2566.	3.282
1139.	14.67	2567.	3.298
1140.	14.71	2568.	3.304
1141.	14.67	2569.	3.261
1142.	14.7	2570.	3.288
1143.	14.66	2571.	3.32
1144.	14.7	2572.	3.285
1145.	14.69	2573.	3.27
1146.	14.68	2574.	3.274
1147.	14.7	2575.	3.27
1148.	14.71	2576.	3.299
1149.	14.71	2577.	3.284
1150.	14.7	2578.	3.258
1151.	14.71	2579.	3.27
1152.	14.71	2580.	3.26
1153.	14.71	2581.	3.283
1154.	14.73	2582.	3.295

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	14.75	2583.	3.258
1156.	14.74	2584.	3.249
1157.	14.75	2585.	3.261
1158.	14.75	2586.	3.261
1159.	14.74	2587.	3.231
1160.	14.76	2588.	3.264
1161.	14.74	2589.	3.258
1162.	14.75	2590.	3.241
1163.	14.75	2591.	3.241
1164.	14.76	2592.	3.262
1165.	14.78	2593.	3.239
1166.	14.76	2594.	3.247
1167.	14.74	2595.	3.224
1168.	14.75	2596.	3.227
1169.	14.77	2597.	3.231
1170.	14.78	2598.	3.263
1171.	14.77	2599.	3.236
1172.	14.77	2600.	3.227
1173.	14.81	2601.	3.199
1174.	14.82	2602.	3.21
1175.	14.76	2603.	3.228
1176.	14.82	2604.	3.198
1177.	14.81	2605.	3.224
1178.	14.82	2606.	3.208
1179.	14.81	2607.	3.224
1180.	14.83	2608.	3.206
1181.	14.78	2609.	3.227
1182.	14.78	2610.	3.188
1183.	14.76	2611.	3.173
1184.	14.77	2612.	3.199
1185.	14.74	2613.	3.169
1186.	14.7	2614.	3.161
1187.	14.75	2615.	3.221
1188.	14.71	2616.	3.206
1189.	14.66	2617.	3.212
1190.	14.69	2618.	3.167
1191.	14.65	2619.	3.234
1192.	14.66	2620.	3.185
1193.	14.59	2621.	3.144
1194.	14.62	2622.	3.22
1195.	14.56	2623.	3.178
1196.	14.56	2624.	3.188
1197.	14.52	2625.	3.221
1198.	14.56	2626.	3.171
1199.	14.52	2627.	3.199
1200.	14.51	2628.	3.179
1201.	14.5	2629.	3.17
1202.	14.46	2630.	3.161
1203.	14.45	2631.	3.168
1204.	14.45	2632.	3.158
1205.	14.38	2633.	3.141
1206.	14.43	2634.	3.162
1207.	14.37	2635.	3.122
1208.	14.38	2636.	3.16
1209.	14.35	2637.	3.131
1210.	14.34	2638.	3.132
1211.	14.35	2639.	3.161
1212.	14.36	2640.	3.165
1213.	14.35	2641.	3.133
1214.	14.34	2642.	3.142
1215.	14.32	2643.	3.151
1216.	14.27	2644.	3.14
1217.	14.25	2645.	3.147
1218.	14.25	2646.	3.158
1219.	14.22	2647.	3.16
1220.	14.21	2648.	3.111

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	14.22	2649.	3.169
1222.	14.22	2650.	3.132
1223.	14.2	2651.	3.134
1224.	14.15	2652.	3.132
1225.	14.17	2653.	3.143
1226.	14.2	2654.	3.153
1227.	14.16	2655.	3.093
1228.	14.16	2656.	3.12
1229.	14.22	2657.	3.079
1230.	14.19	2658.	3.159
1231.	14.17	2659.	3.121
1232.	14.19	2660.	3.085
1233.	14.19	2661.	3.091
1234.	14.19	2662.	3.09
1235.	14.21	2663.	3.09
1236.	14.26	2664.	3.091
1237.	14.22	2665.	3.099
1238.	14.19	2666.	3.088
1239.	14.23	2667.	3.092
1240.	14.25	2668.	3.067
1241.	14.26	2669.	3.07
1242.	14.3	2670.	3.103
1243.	14.26	2671.	3.1
1244.	14.3	2672.	3.069
1245.	14.31	2673.	3.082
1246.	14.31	2674.	3.048
1247.	14.32	2675.	3.06
1248.	14.32	2676.	3.068
1249.	14.31	2677.	3.059
1250.	14.37	2678.	3.074
1251.	14.37	2679.	3.061
1252.	14.36	2680.	3.051
1253.	14.36	2681.	3.069
1254.	14.41	2682.	3.052
1255.	14.42	2683.	3.03
1256.	14.41	2684.	3.011
1257.	14.44	2685.	3.051
1258.	14.44	2686.	3.081
1259.	14.45	2687.	3.021
1260.	14.48	2688.	3.018
1261.	14.46	2689.	3.052
1262.	14.51	2690.	3.072
1263.	14.48	2691.	3.057
1264.	14.49	2692.	3.041
1265.	14.54	2693.	3.023
1266.	14.54	2694.	3.065
1267.	14.54	2695.	3.035
1268.	14.52	2696.	2.993
1269.	14.53	2697.	3.034
1270.	14.58	2698.	3.028
1271.	14.56	2699.	3.051
1272.	14.56	2700.	3.028
1273.	14.6	2701.	3.02
1274.	14.63	2702.	3.004
1275.	14.62	2703.	3.018
1276.	14.61	2704.	3.023
1277.	14.63	2705.	3.025
1278.	14.66	2706.	2.997
1279.	14.65	2707.	3.007
1280.	14.65	2708.	3.015
1281.	14.63	2709.	3.001
1282.	14.64	2710.	3.026
1283.	14.65	2711.	2.977
1284.	14.71	2712.	3.031
1285.	14.67	2713.	2.976
1286.	14.67	2714.	2.978

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	14.72	2715.	3.034
1288.	14.7	2716.	2.989
1289.	14.71	2717.	3.054
1290.	14.69	2718.	2.981
1291.	14.72	2719.	3.011
1292.	14.74	2720.	2.967
1293.	14.73	2721.	2.947
1294.	14.75	2722.	2.961
1295.	14.73	2723.	3.007
1296.	14.76	2724.	2.971
1297.	14.73	2725.	2.979
1298.	14.76	2726.	2.998
1299.	14.78	2727.	2.957
1300.	14.78	2728.	2.971
1301.	14.81	2729.	2.958
1302.	14.77	2730.	2.974
1303.	14.79	2731.	2.958
1304.	14.79	2732.	2.973
1305.	14.78	2733.	2.957
1306.	14.84	2734.	2.951
1307.	14.82	2735.	2.957
1308.	14.82	2736.	2.963
1309.	14.84	2737.	2.924
1310.	14.81	2738.	2.988
1311.	14.88	2739.	2.943
1312.	14.85	2740.	2.942
1313.	14.84	2741.	2.942
1314.	14.88	2742.	2.973
1315.	14.86	2743.	2.953
1316.	14.87	2744.	2.939
1317.	14.86	2745.	2.97
1318.	14.88	2746.	2.958
1319.	14.89	2747.	2.925
1320.	14.87	2748.	2.919
1321.	14.86	2749.	2.911
1322.	14.9	2750.	2.94
1323.	14.89	2751.	2.934
1324.	14.88	2752.	2.92
1325.	14.89	2753.	2.928
1326.	14.89	2754.	2.883
1327.	14.9	2755.	2.93
1328.	14.91	2756.	2.898
1329.	14.91	2757.	2.898
1330.	14.94	2758.	2.947
1331.	14.94	2759.	2.899
1332.	14.95	2760.	2.927
1333.	14.91	2761.	2.902
1334.	14.98	2762.	2.924
1335.	14.99	2763.	2.89
1336.	14.97	2764.	2.917
1337.	14.96	2765.	2.916
1338.	15.	2766.	2.914
1339.	15.	2767.	2.913
1340.	14.99	2768.	2.841
1341.	14.99	2769.	2.93
1342.	14.99	2770.	2.901
1343.	15.	2771.	2.884
1344.	15.	2772.	2.903
1345.	15.	2773.	2.909
1346.	15.01	2774.	2.923
1347.	15.02	2775.	2.906
1348.	15.01	2776.	2.91
1349.	15.03	2777.	2.882
1350.	15.01	2778.	2.891
1351.	15.04	2779.	2.829
1352.	15.04	2780.	2.853

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	15.03	2781.	2.889
1354.	15.07	2782.	2.884
1355.	15.09	2783.	2.864
1356.	15.09	2784.	2.85
1357.	15.08	2785.	2.832
1358.	15.1	2786.	2.835
1359.	15.08	2787.	2.878
1360.	15.08	2788.	2.841
1361.	15.07	2789.	2.86
1362.	15.08	2790.	2.812
1363.	15.09	2791.	2.842
1364.	15.11	2792.	2.888
1365.	15.08	2793.	2.854
1366.	15.14	2794.	2.831
1367.	15.15	2795.	2.829
1368.	15.11	2796.	2.838
1369.	15.12	2797.	2.867
1370.	15.14	2798.	2.811
1371.	15.14	2799.	2.816
1372.	15.16	2800.	2.844
1373.	15.14	2801.	2.822
1374.	15.13	2802.	2.843
1375.	15.13	2803.	2.816
1376.	15.14	2804.	2.834
1377.	15.18	2805.	2.844
1378.	15.17	2806.	2.854
1379.	15.15	2807.	2.819
1380.	15.15	2808.	2.847
1381.	15.16	2809.	2.818
1382.	15.16	2810.	2.826
1383.	15.19	2811.	2.789
1384.	15.18	2812.	2.826
1385.	15.18	2813.	2.823
1386.	15.16	2814.	2.825
1387.	15.21	2815.	2.829
1388.	15.19	2816.	2.83
1389.	15.2	2817.	2.81
1390.	15.2	2818.	2.832
1391.	15.19	2819.	2.833
1392.	15.24	2820.	2.797
1393.	15.21	2821.	2.818
1394.	15.24	2822.	2.828
1395.	15.22	2823.	2.775
1396.	15.19	2824.	2.821
1397.	15.24	2825.	2.811
1398.	15.26	2826.	2.785
1399.	15.25	2827.	2.797
1400.	15.27	2828.	2.793
1401.	15.23	2829.	2.794
1402.	15.26	2830.	2.798
1403.	15.26	2831.	2.776
1404.	15.27	2832.	2.829
1405.	15.26	2833.	2.768
1406.	15.3	2834.	2.792
1407.	15.28	2835.	2.796
1408.	15.3	2836.	2.778
1409.	15.29	2837.	2.763
1410.	15.26	2838.	2.793
1411.	15.3	2839.	2.816
1412.	15.32	2840.	2.779
1413.	15.26	2841.	2.801
1414.	15.3	2842.	2.779
1415.	15.31	2843.	2.76
1416.	15.31	2844.	2.753
1417.	15.36	2845.	2.787
1418.	15.33	2846.	2.786

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	15.33	2847.	2.787
1420.	15.31	2848.	2.775
1421.	15.31	2849.	2.738
1422.	15.33	2850.	2.78
1423.	15.33	2851.	2.758
1424.	15.32	2852.	2.752
1425.	15.32	2853.	2.783
1426.	15.35	2854.	2.728
1427.	15.36	2855.	2.768
1428.	15.4		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1268.1	ft^2/day
S	6.577E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 15.85 ft/day (0.005592 cm/sec)
Ss = S/b = 8.221E-7 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1308.6	2.372	+/- 4.651	551.8	ft^2/day
S	0.0001544	6.771E-7	+/- 1.328E-6	228.1	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.36 ft/day (0.00577 cm/sec)
Ss = S/b = 1.93E-6 1/ft

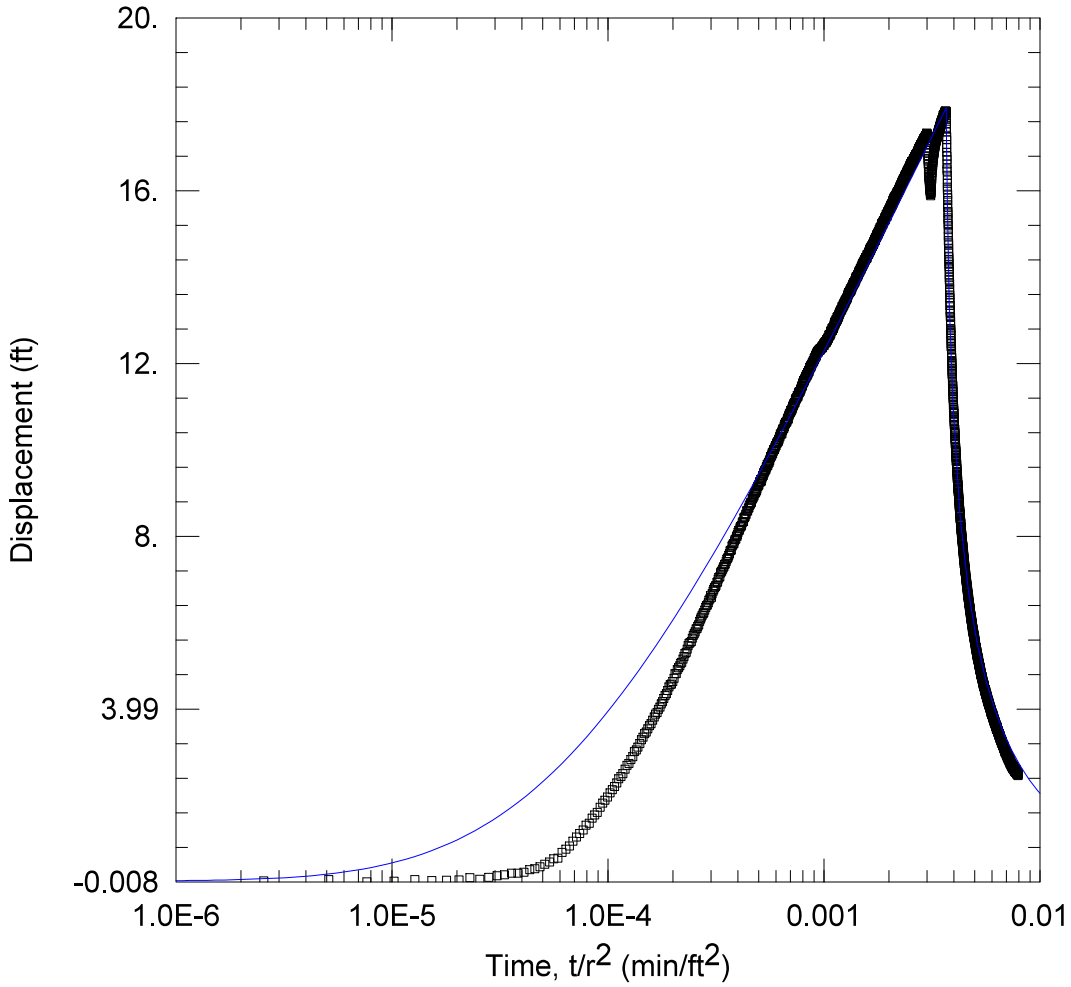
Parameter Correlations

	T	S
T	1.00	-0.85
S	-0.85	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 356. ft^2
Variance . . . . . 0.1248 ft^2
Std. Deviation . . . . . 0.3532 ft
Mean . . . . . -0.1011 ft
No. of Residuals 2855
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW17.aqt
Date: 04/11/25 Time: 12:06:54

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW17	566	753

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1292.4 ft^2/day
S = 0.0001072
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:51:30

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW17

X Location: 566. ft
Y Location: 753. ft

Radial distance from BM 1B: 625.4798158 ft
Radial distance from BM2A: 962.7569787 ft
Radial distance from BM3: 97.14422268 ft
Radial distance from BM 4 : 286.0087411 ft
Radial distance from BM5: 447.6516503 ft
Radial distance from BM 6: 712.1411377 ft
Radial distance from BM7: 1019.158967 ft
Radial distance from BM9: 1663.850955 ft

Fully Penetrating Well

No. of Observations: 3101

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.01086	1552.	11.24
2.	0.04538	1553.	11.2
3.	-0.007871	1554.	11.17
4.	0.007784	1555.	11.16
5.	0.04407	1556.	11.11
6.	0.0244	1557.	11.11
7.	0.0256	1558.	11.05
8.	0.03377	1559.	11.02
9.	0.09064	1560.	10.97
10.	0.05076	1561.	10.97
11.	0.09916	1562.	10.92
12.	0.1325	1563.	10.88
13.	0.1582	1564.	10.89
14.	0.1884	1565.	10.85
15.	0.1956	1566.	10.84
16.	0.2154	1567.	10.76
17.	0.2772	1568.	10.74
18.	0.2931	1569.	10.71
19.	0.3425	1570.	10.65
20.	0.4011	1571.	10.67
21.	0.4543	1572.	10.64
22.	0.5221	1573.	10.58
23.	0.5387	1574.	10.59
24.	0.6769	1575.	10.58
25.	0.7469	1576.	10.55
26.	0.8185	1577.	10.47
27.	0.9313	1578.	10.48
28.	1.027	1579.	10.42
29.	1.107	1580.	10.41
30.	1.19	1581.	10.39
31.	1.307	1582.	10.37
32.	1.347	1583.	10.34

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.465	1584.	10.31
34.	1.543	1585.	10.26
35.	1.597	1586.	10.23
36.	1.718	1587.	10.25
37.	1.818	1588.	10.2
38.	1.88	1589.	10.17
39.	1.954	1590.	10.14
40.	2.05	1591.	10.15
41.	2.129	1592.	10.12
42.	2.201	1593.	10.05
43.	2.282	1594.	10.06
44.	2.376	1595.	10.01
45.	2.431	1596.	9.986
46.	2.498	1597.	9.977
47.	2.597	1598.	9.964
48.	2.688	1599.	9.927
49.	2.732	1600.	9.921
50.	2.821	1601.	9.894
51.	2.891	1602.	9.835
52.	3.008	1603.	9.819
53.	3.048	1604.	9.802
54.	3.113	1605.	9.778
55.	3.194	1606.	9.745
56.	3.282	1607.	9.731
57.	3.344	1608.	9.732
58.	3.42	1609.	9.658
59.	3.458	1610.	9.675
60.	3.537	1611.	9.671
61.	3.607	1612.	9.628
62.	3.653	1613.	9.59
63.	3.734	1614.	9.58
64.	3.81	1615.	9.559
65.	3.875	1616.	9.536
66.	3.915	1617.	9.496
67.	3.984	1618.	9.493
68.	4.038	1619.	9.464
69.	4.11	1620.	9.424
70.	4.163	1621.	9.419
71.	4.235	1622.	9.395
72.	4.306	1623.	9.37
73.	4.349	1624.	9.34
74.	4.422	1625.	9.326
75.	4.507	1626.	9.324
76.	4.556	1627.	9.285
77.	4.574	1628.	9.283
78.	4.633	1629.	9.253
79.	4.708	1630.	9.269
80.	4.811	1631.	9.205
81.	4.818	1632.	9.186
82.	4.904	1633.	9.177
83.	4.951	1634.	9.17
84.	4.993	1635.	9.131
85.	5.051	1636.	9.101
86.	5.077	1637.	9.075
87.	5.149	1638.	9.09
88.	5.21	1639.	9.079
89.	5.277	1640.	9.053
90.	5.306	1641.	9.019
91.	5.378	1642.	9.023
92.	5.458	1643.	8.988
93.	5.509	1644.	8.964
94.	5.53	1645.	8.964
95.	5.554	1646.	8.941
96.	5.629	1647.	8.924
97.	5.697	1648.	8.895
98.	5.735	1649.	8.877

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	5.778	1650.	8.845
100.	5.847	1651.	8.819
101.	5.862	1652.	8.812
102.	5.906	1653.	8.814
103.	5.944	1654.	8.774
104.	6.021	1655.	8.729
105.	6.073	1656.	8.715
106.	6.123	1657.	8.737
107.	6.168	1658.	8.67
108.	6.202	1659.	8.699
109.	6.223	1660.	8.681
110.	6.285	1661.	8.675
111.	6.343	1662.	8.611
112.	6.384	1663.	8.609
113.	6.402	1664.	8.62
114.	6.454	1665.	8.566
115.	6.513	1666.	8.594
116.	6.54	1667.	8.54
117.	6.616	1668.	8.534
118.	6.582	1669.	8.52
119.	6.662	1670.	8.519
120.	6.721	1671.	8.496
121.	6.759	1672.	8.479
122.	6.805	1673.	8.45
123.	6.83	1674.	8.414
124.	6.858	1675.	8.406
125.	6.927	1676.	8.399
126.	6.938	1677.	8.383
127.	7.008	1678.	8.376
128.	7.043	1679.	8.343
129.	7.057	1680.	8.349
130.	7.145	1681.	8.342
131.	7.171	1682.	8.328
132.	7.19	1683.	8.276
133.	7.237	1684.	8.296
134.	7.279	1685.	8.281
135.	7.295	1686.	8.218
136.	7.35	1687.	8.232
137.	7.356	1688.	8.193
138.	7.41	1689.	8.204
139.	7.462	1690.	8.184
140.	7.491	1691.	8.151
141.	7.511	1692.	8.14
142.	7.554	1693.	8.131
143.	7.59	1694.	8.127
144.	7.66	1695.	8.128
145.	7.675	1696.	8.09
146.	7.681	1697.	8.078
147.	7.768	1698.	8.062
148.	7.793	1699.	8.069
149.	7.818	1700.	8.033
150.	7.826	1701.	8.032
151.	7.885	1702.	7.992
152.	7.922	1703.	8.003
153.	7.929	1704.	7.969
154.	8.002	1705.	7.959
155.	8.002	1706.	7.947
156.	8.037	1707.	7.923
157.	8.088	1708.	7.928
158.	8.134	1709.	7.891
159.	8.141	1710.	7.915
160.	8.191	1711.	7.877
161.	8.224	1712.	7.865
162.	8.236	1713.	7.846
163.	8.247	1714.	7.865
164.	8.31	1715.	7.83

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	8.332	1716.	7.837
166.	8.34	1717.	7.796
167.	8.422	1718.	7.771
168.	8.431	1719.	7.764
169.	8.453	1720.	7.754
170.	8.492	1721.	7.762
171.	8.507	1722.	7.708
172.	8.578	1723.	7.736
173.	8.578	1724.	7.694
174.	8.578	1725.	7.687
175.	8.639	1726.	7.691
176.	8.656	1727.	7.659
177.	8.709	1728.	7.638
178.	8.722	1729.	7.632
179.	8.747	1730.	7.635
180.	8.773	1731.	7.611
181.	8.779	1732.	7.597
182.	8.858	1733.	7.581
183.	8.864	1734.	7.565
184.	8.881	1735.	7.582
185.	8.921	1736.	7.544
186.	8.932	1737.	7.532
187.	8.982	1738.	7.525
188.	8.994	1739.	7.509
189.	9.013	1740.	7.503
190.	9.038	1741.	7.491
191.	9.059	1742.	7.443
192.	9.098	1743.	7.472
193.	9.146	1744.	7.443
194.	9.152	1745.	7.433
195.	9.187	1746.	7.429
196.	9.185	1747.	7.415
197.	9.251	1748.	7.394
198.	9.255	1749.	7.376
199.	9.259	1750.	7.352
200.	9.309	1751.	7.352
201.	9.267	1752.	7.357
202.	9.322	1753.	7.328
203.	9.368	1754.	7.329
204.	9.393	1755.	7.31
205.	9.406	1756.	7.317
206.	9.46	1757.	7.305
207.	9.455	1758.	7.281
208.	9.49	1759.	7.253
209.	9.529	1760.	7.26
210.	9.535	1761.	7.262
211.	9.546	1762.	7.233
212.	9.583	1763.	7.23
213.	9.615	1764.	7.201
214.	9.66	1765.	7.188
215.	9.633	1766.	7.184
216.	9.681	1767.	7.182
217.	9.71	1768.	7.197
218.	9.701	1769.	7.157
219.	9.764	1770.	7.17
220.	9.749	1771.	7.118
221.	9.81	1772.	7.119
222.	9.843	1773.	7.116
223.	9.843	1774.	7.071
224.	9.863	1775.	7.094
225.	9.904	1776.	7.089
226.	9.933	1777.	7.07
227.	9.914	1778.	7.028
228.	9.961	1779.	7.026
229.	10.	1780.	7.034
230.	9.998	1781.	7.003

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	10.01	1782.	7.017
232.	10.05	1783.	7.013
233.	10.07	1784.	7.002
234.	10.1	1785.	6.964
235.	10.09	1786.	6.986
236.	10.15	1787.	6.953
237.	10.15	1788.	6.944
238.	10.16	1789.	6.957
239.	10.19	1790.	6.908
240.	10.19	1791.	6.902
241.	10.21	1792.	6.91
242.	10.25	1793.	6.903
243.	10.25	1794.	6.892
244.	10.3	1795.	6.89
245.	10.31	1796.	6.838
246.	10.36	1797.	6.84
247.	10.36	1798.	6.847
248.	10.36	1799.	6.829
249.	10.4	1800.	6.86
250.	10.37	1801.	6.793
251.	10.44	1802.	6.802
252.	10.44	1803.	6.785
253.	10.47	1804.	6.771
254.	10.5	1805.	6.734
255.	10.5	1806.	6.788
256.	10.55	1807.	6.785
257.	10.54	1808.	6.774
258.	10.59	1809.	6.753
259.	10.6	1810.	6.725
260.	10.61	1811.	6.725
261.	10.63	1812.	6.716
262.	10.63	1813.	6.715
263.	10.65	1814.	6.686
264.	10.66	1815.	6.664
265.	10.7	1816.	6.671
266.	10.73	1817.	6.634
267.	10.72	1818.	6.655
268.	10.71	1819.	6.652
269.	10.77	1820.	6.634
270.	10.79	1821.	6.609
271.	10.82	1822.	6.606
272.	10.83	1823.	6.571
273.	10.86	1824.	6.601
274.	10.87	1825.	6.571
275.	10.91	1826.	6.574
276.	10.9	1827.	6.581
277.	10.92	1828.	6.529
278.	10.93	1829.	6.558
279.	10.96	1830.	6.523
280.	10.97	1831.	6.534
281.	11.01	1832.	6.554
282.	11.02	1833.	6.505
283.	11.03	1834.	6.495
284.	11.04	1835.	6.5
285.	11.07	1836.	6.474
286.	11.08	1837.	6.476
287.	11.09	1838.	6.445
288.	11.1	1839.	6.446
289.	11.14	1840.	6.454
290.	11.17	1841.	6.426
291.	11.17	1842.	6.42
292.	11.18	1843.	6.439
293.	11.2	1844.	6.411
294.	11.21	1845.	6.405
295.	11.26	1846.	6.374
296.	11.26	1847.	6.387

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	11.23	1848.	6.356
298.	11.27	1849.	6.38
299.	11.32	1850.	6.353
300.	11.31	1851.	6.356
301.	11.34	1852.	6.34
302.	11.33	1853.	6.341
303.	11.34	1854.	6.307
304.	11.36	1855.	6.345
305.	11.39	1856.	6.292
306.	11.4	1857.	6.322
307.	11.42	1858.	6.308
308.	11.46	1859.	6.272
309.	11.48	1860.	6.261
310.	11.48	1861.	6.271
311.	11.48	1862.	6.26
312.	11.54	1863.	6.255
313.	11.55	1864.	6.217
314.	11.56	1865.	6.207
315.	11.56	1866.	6.223
316.	11.6	1867.	6.209
317.	11.58	1868.	6.236
318.	11.6	1869.	6.198
319.	11.62	1870.	6.169
320.	11.65	1871.	6.171
321.	11.66	1872.	6.173
322.	11.68	1873.	6.151
323.	11.66	1874.	6.154
324.	11.71	1875.	6.137
325.	11.74	1876.	6.074
326.	11.72	1877.	6.122
327.	11.71	1878.	6.122
328.	11.73	1879.	6.131
329.	11.78	1880.	6.101
330.	11.75	1881.	6.08
331.	11.77	1882.	6.111
332.	11.83	1883.	6.103
333.	11.83	1884.	6.095
334.	11.81	1885.	6.072
335.	11.85	1886.	6.055
336.	11.85	1887.	6.053
337.	11.9	1888.	6.046
338.	11.88	1889.	6.043
339.	11.93	1890.	6.018
340.	11.91	1891.	6.022
341.	11.95	1892.	5.996
342.	11.93	1893.	6.008
343.	11.96	1894.	6.005
344.	11.97	1895.	5.986
345.	11.98	1896.	5.998
346.	12.01	1897.	5.976
347.	12.01	1898.	5.955
348.	12.02	1899.	5.982
349.	12.04	1900.	5.939
350.	12.06	1901.	5.933
351.	12.04	1902.	5.922
352.	12.07	1903.	5.939
353.	12.12	1904.	5.915
354.	12.08	1905.	5.863
355.	12.12	1906.	5.893
356.	12.13	1907.	5.904
357.	12.15	1908.	5.868
358.	12.19	1909.	5.856
359.	12.15	1910.	5.86
360.	12.17	1911.	5.874
361.	12.2	1912.	5.873
362.	12.19	1913.	5.862

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	12.24	1914.	5.816
364.	12.25	1915.	5.834
365.	12.26	1916.	5.841
366.	12.25	1917.	5.82
367.	12.28	1918.	5.833
368.	12.25	1919.	5.808
369.	12.28	1920.	5.804
370.	12.3	1921.	5.796
371.	12.3	1922.	5.798
372.	12.3	1923.	5.768
373.	12.32	1924.	5.773
374.	12.31	1925.	5.768
375.	12.33	1926.	5.76
376.	12.3	1927.	5.772
377.	12.32	1928.	5.751
378.	12.33	1929.	5.742
379.	12.35	1930.	5.734
380.	12.35	1931.	5.738
381.	12.35	1932.	5.714
382.	12.36	1933.	5.73
383.	12.38	1934.	5.689
384.	12.38	1935.	5.7
385.	12.38	1936.	5.711
386.	12.36	1937.	5.702
387.	12.41	1938.	5.68
388.	12.42	1939.	5.675
389.	12.42	1940.	5.671
390.	12.43	1941.	5.669
391.	12.45	1942.	5.63
392.	12.42	1943.	5.631
393.	12.44	1944.	5.66
394.	12.47	1945.	5.655
395.	12.47	1946.	5.644
396.	12.49	1947.	5.616
397.	12.47	1948.	5.634
398.	12.5	1949.	5.628
399.	12.47	1950.	5.614
400.	12.49	1951.	5.607
401.	12.49	1952.	5.577
402.	12.53	1953.	5.588
403.	12.52	1954.	5.585
404.	12.55	1955.	5.594
405.	12.53	1956.	5.569
406.	12.54	1957.	5.566
407.	12.59	1958.	5.544
408.	12.56	1959.	5.578
409.	12.58	1960.	5.553
410.	12.58	1961.	5.523
411.	12.6	1962.	5.522
412.	12.61	1963.	5.525
413.	12.66	1964.	5.515
414.	12.64	1965.	5.488
415.	12.67	1966.	5.516
416.	12.64	1967.	5.466
417.	12.64	1968.	5.484
418.	12.68	1969.	5.474
419.	12.68	1970.	5.488
420.	12.72	1971.	5.499
421.	12.69	1972.	5.474
422.	12.73	1973.	5.476
423.	12.76	1974.	5.428
424.	12.75	1975.	5.416
425.	12.77	1976.	5.439
426.	12.75	1977.	5.427
427.	12.8	1978.	5.4
428.	12.81	1979.	5.416

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	12.76	1980.	5.413
430.	12.81	1981.	5.418
431.	12.82	1982.	5.364
432.	12.83	1983.	5.383
433.	12.8	1984.	5.387
434.	12.84	1985.	5.378
435.	12.85	1986.	5.345
436.	12.87	1987.	5.381
437.	12.89	1988.	5.378
438.	12.92	1989.	5.336
439.	12.91	1990.	5.413
440.	12.95	1991.	5.354
441.	12.91	1992.	5.358
442.	12.94	1993.	5.329
443.	12.94	1994.	5.33
444.	12.98	1995.	5.337
445.	13.01	1996.	5.301
446.	12.98	1997.	5.331
447.	12.97	1998.	5.27
448.	13.01	1999.	5.308
449.	12.99	2000.	5.292
450.	13.06	2001.	5.26
451.	13.01	2002.	5.281
452.	13.02	2003.	5.252
453.	13.07	2004.	5.283
454.	13.07	2005.	5.279
455.	13.09	2006.	5.26
456.	13.07	2007.	5.243
457.	13.08	2008.	5.225
458.	13.09	2009.	5.223
459.	13.12	2010.	5.229
460.	13.12	2011.	5.218
461.	13.15	2012.	5.199
462.	13.14	2013.	5.176
463.	13.17	2014.	5.213
464.	13.17	2015.	5.211
465.	13.21	2016.	5.176
466.	13.19	2017.	5.211
467.	13.22	2018.	5.192
468.	13.23	2019.	5.196
469.	13.22	2020.	5.16
470.	13.24	2021.	5.194
471.	13.23	2022.	5.181
472.	13.23	2023.	5.169
473.	13.25	2024.	5.156
474.	13.26	2025.	5.151
475.	13.29	2026.	5.149
476.	13.31	2027.	5.134
477.	13.32	2028.	5.125
478.	13.3	2029.	5.111
479.	13.33	2030.	5.131
480.	13.33	2031.	5.12
481.	13.36	2032.	5.126
482.	13.37	2033.	5.125
483.	13.35	2034.	5.111
484.	13.34	2035.	5.106
485.	13.38	2036.	5.07
486.	13.38	2037.	5.117
487.	13.41	2038.	5.068
488.	13.4	2039.	5.05
489.	13.42	2040.	5.077
490.	13.39	2041.	5.064
491.	13.44	2042.	5.071
492.	13.46	2043.	5.056
493.	13.45	2044.	5.05
494.	13.45	2045.	5.053

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	13.47	2046.	5.025
496.	13.48	2047.	5.037
497.	13.49	2048.	5.021
498.	13.48	2049.	5.008
499.	13.49	2050.	5.006
500.	13.51	2051.	4.978
501.	13.53	2052.	4.999
502.	13.51	2053.	5.025
503.	13.53	2054.	5.006
504.	13.52	2055.	4.99
505.	13.57	2056.	5.002
506.	13.58	2057.	4.978
507.	13.61	2058.	4.978
508.	13.62	2059.	4.957
509.	13.6	2060.	4.951
510.	13.63	2061.	4.954
511.	13.64	2062.	4.978
512.	13.63	2063.	4.951
513.	13.64	2064.	4.954
514.	13.64	2065.	4.956
515.	13.66	2066.	4.931
516.	13.65	2067.	4.942
517.	13.69	2068.	4.918
518.	13.66	2069.	4.906
519.	13.67	2070.	4.915
520.	13.72	2071.	4.896
521.	13.7	2072.	4.886
522.	13.69	2073.	4.898
523.	13.7	2074.	4.912
524.	13.74	2075.	4.879
525.	13.73	2076.	4.882
526.	13.75	2077.	4.886
527.	13.73	2078.	4.886
528.	13.77	2079.	4.859
529.	13.76	2080.	4.838
530.	13.79	2081.	4.852
531.	13.82	2082.	4.845
532.	13.79	2083.	4.836
533.	13.82	2084.	4.864
534.	13.82	2085.	4.812
535.	13.83	2086.	4.829
536.	13.85	2087.	4.844
537.	13.85	2088.	4.824
538.	13.88	2089.	4.825
539.	13.86	2090.	4.812
540.	13.85	2091.	4.787
541.	13.87	2092.	4.784
542.	13.87	2093.	4.812
543.	13.87	2094.	4.784
544.	13.89	2095.	4.768
545.	13.89	2096.	4.796
546.	13.92	2097.	4.792
547.	13.92	2098.	4.778
548.	13.94	2099.	4.778
549.	13.94	2100.	4.76
550.	13.93	2101.	4.741
551.	13.97	2102.	4.751
552.	13.98	2103.	4.741
553.	14.	2104.	4.754
554.	13.99	2105.	4.724
555.	13.98	2106.	4.754
556.	14.01	2107.	4.751
557.	14.02	2108.	4.741
558.	14.01	2109.	4.738
559.	14.04	2110.	4.735
560.	14.03	2111.	4.727

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	14.02	2112.	4.709
562.	14.05	2113.	4.717
563.	14.06	2114.	4.712
564.	14.05	2115.	4.707
565.	14.07	2116.	4.703
566.	14.07	2117.	4.687
567.	14.08	2118.	4.685
568.	14.11	2119.	4.665
569.	14.11	2120.	4.691
570.	14.13	2121.	4.641
571.	14.11	2122.	4.657
572.	14.13	2123.	4.668
573.	14.14	2124.	4.668
574.	14.14	2125.	4.647
575.	14.13	2126.	4.668
576.	14.15	2127.	4.637
577.	14.16	2128.	4.641
578.	14.19	2129.	4.592
579.	14.19	2130.	4.619
580.	14.18	2131.	4.627
581.	14.17	2132.	4.611
582.	14.19	2133.	4.607
583.	14.23	2134.	4.648
584.	14.24	2135.	4.61
585.	14.21	2136.	4.6
586.	14.22	2137.	4.62
587.	14.24	2138.	4.592
588.	14.26	2139.	4.583
589.	14.25	2140.	4.554
590.	14.29	2141.	4.593
591.	14.26	2142.	4.591
592.	14.32	2143.	4.578
593.	14.27	2144.	4.584
594.	14.31	2145.	4.574
595.	14.29	2146.	4.567
596.	14.31	2147.	4.579
597.	14.34	2148.	4.518
598.	14.33	2149.	4.568
599.	14.35	2150.	4.555
600.	14.33	2151.	4.557
601.	14.33	2152.	4.542
602.	14.37	2153.	4.506
603.	14.37	2154.	4.552
604.	14.38	2155.	4.534
605.	14.38	2156.	4.535
606.	14.4	2157.	4.519
607.	14.4	2158.	4.516
608.	14.38	2159.	4.542
609.	14.4	2160.	4.502
610.	14.42	2161.	4.528
611.	14.43	2162.	4.516
612.	14.45	2163.	4.503
613.	14.45	2164.	4.503
614.	14.45	2165.	4.472
615.	14.43	2166.	4.482
616.	14.45	2167.	4.461
617.	14.44	2168.	4.51
618.	14.46	2169.	4.504
619.	14.45	2170.	4.459
620.	14.49	2171.	4.473
621.	14.51	2172.	4.437
622.	14.49	2173.	4.455
623.	14.5	2174.	4.461
624.	14.53	2175.	4.446
625.	14.51	2176.	4.437
626.	14.52	2177.	4.423

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	14.53	2178.	4.408
628.	14.52	2179.	4.434
629.	14.53	2180.	4.412
630.	14.55	2181.	4.424
631.	14.56	2182.	4.445
632.	14.58	2183.	4.445
633.	14.55	2184.	4.404
634.	14.58	2185.	4.436
635.	14.59	2186.	4.41
636.	14.57	2187.	4.41
637.	14.61	2188.	4.432
638.	14.65	2189.	4.423
639.	14.6	2190.	4.413
640.	14.61	2191.	4.412
641.	14.64	2192.	4.391
642.	14.64	2193.	4.396
643.	14.62	2194.	4.372
644.	14.66	2195.	4.384
645.	14.67	2196.	4.4
646.	14.68	2197.	4.391
647.	14.68	2198.	4.366
648.	14.65	2199.	4.397
649.	14.7	2200.	4.337
650.	14.69	2201.	4.352
651.	14.71	2202.	4.33
652.	14.71	2203.	4.341
653.	14.71	2204.	4.352
654.	14.72	2205.	4.341
655.	14.73	2206.	4.358
656.	14.71	2207.	4.32
657.	14.72	2208.	4.353
658.	14.74	2209.	4.351
659.	14.76	2210.	4.317
660.	14.75	2211.	4.304
661.	14.77	2212.	4.336
662.	14.76	2213.	4.331
663.	14.75	2214.	4.31
664.	14.78	2215.	4.321
665.	14.78	2216.	4.315
666.	14.81	2217.	4.3
667.	14.79	2218.	4.327
668.	14.81	2219.	4.304
669.	14.82	2220.	4.307
670.	14.83	2221.	4.27
671.	14.82	2222.	4.301
672.	14.87	2223.	4.27
673.	14.85	2224.	4.282
674.	14.85	2225.	4.278
675.	14.86	2226.	4.282
676.	14.86	2227.	4.257
677.	14.86	2228.	4.27
678.	14.85	2229.	4.264
679.	14.89	2230.	4.27
680.	14.9	2231.	4.242
681.	14.9	2232.	4.276
682.	14.91	2233.	4.243
683.	14.91	2234.	4.228
684.	14.93	2235.	4.263
685.	14.92	2236.	4.234
686.	14.94	2237.	4.216
687.	14.96	2238.	4.234
688.	14.94	2239.	4.218
689.	14.94	2240.	4.194
690.	14.98	2241.	4.221
691.	14.96	2242.	4.237
692.	14.99	2243.	4.221

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	15.	2244.	4.201
694.	14.98	2245.	4.214
695.	14.98	2246.	4.197
696.	14.98	2247.	4.182
697.	14.99	2248.	4.188
698.	15.02	2249.	4.174
699.	15.03	2250.	4.211
700.	15.02	2251.	4.173
701.	15.05	2252.	4.179
702.	15.02	2253.	4.177
703.	15.04	2254.	4.19
704.	15.06	2255.	4.147
705.	15.06	2256.	4.182
706.	15.06	2257.	4.157
707.	15.1	2258.	4.179
708.	15.08	2259.	4.193
709.	15.05	2260.	4.146
710.	15.1	2261.	4.154
711.	15.08	2262.	4.164
712.	15.1	2263.	4.159
713.	15.14	2264.	4.121
714.	15.13	2265.	4.154
715.	15.14	2266.	4.174
716.	15.12	2267.	4.107
717.	15.15	2268.	4.144
718.	15.13	2269.	4.121
719.	15.12	2270.	4.111
720.	15.15	2271.	4.106
721.	15.16	2272.	4.13
722.	15.17	2273.	4.132
723.	15.19	2274.	4.121
724.	15.21	2275.	4.127
725.	15.23	2276.	4.106
726.	15.17	2277.	4.106
727.	15.24	2278.	4.093
728.	15.22	2279.	4.093
729.	15.21	2280.	4.112
730.	15.22	2281.	4.084
731.	15.25	2282.	4.104
732.	15.24	2283.	4.066
733.	15.21	2284.	4.093
734.	15.26	2285.	4.08
735.	15.25	2286.	4.093
736.	15.25	2287.	4.091
737.	15.29	2288.	4.071
738.	15.25	2289.	4.048
739.	15.29	2290.	4.081
740.	15.3	2291.	4.047
741.	15.3	2292.	4.048
742.	15.3	2293.	4.066
743.	15.31	2294.	4.037
744.	15.28	2295.	4.033
745.	15.3	2296.	4.054
746.	15.32	2297.	4.044
747.	15.34	2298.	4.044
748.	15.35	2299.	4.048
749.	15.34	2300.	4.031
750.	15.37	2301.	4.044
751.	15.32	2302.	4.025
752.	15.36	2303.	4.01
753.	15.33	2304.	4.009
754.	15.38	2305.	4.01
755.	15.35	2306.	3.99
756.	15.38	2307.	4.027
757.	15.41	2308.	4.017
758.	15.4	2309.	4.019

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	15.4	2310.	3.989
760.	15.4	2311.	4.018
761.	15.4	2312.	3.977
762.	15.45	2313.	3.985
763.	15.42	2314.	3.984
764.	15.43	2315.	3.995
765.	15.43	2316.	3.978
766.	15.45	2317.	3.981
767.	15.44	2318.	3.982
768.	15.45	2319.	3.971
769.	15.41	2320.	3.99
770.	15.47	2321.	3.968
771.	15.48	2322.	3.97
772.	15.47	2323.	3.954
773.	15.51	2324.	3.937
774.	15.47	2325.	3.972
775.	15.49	2326.	3.945
776.	15.49	2327.	3.956
777.	15.51	2328.	3.926
778.	15.51	2329.	3.962
779.	15.51	2330.	3.933
780.	15.53	2331.	3.916
781.	15.51	2332.	3.904
782.	15.54	2333.	3.916
783.	15.54	2334.	3.918
784.	15.56	2335.	3.924
785.	15.56	2336.	3.898
786.	15.58	2337.	3.907
787.	15.58	2338.	3.926
788.	15.56	2339.	3.938
789.	15.58	2340.	3.916
790.	15.57	2341.	3.92
791.	15.59	2342.	3.913
792.	15.6	2343.	3.884
793.	15.61	2344.	3.898
794.	15.59	2345.	3.918
795.	15.64	2346.	3.879
796.	15.63	2347.	3.898
797.	15.59	2348.	3.872
798.	15.65	2349.	3.905
799.	15.63	2350.	3.9
800.	15.63	2351.	3.869
801.	15.65	2352.	3.871
802.	15.62	2353.	3.86
803.	15.65	2354.	3.892
804.	15.68	2355.	3.868
805.	15.67	2356.	3.868
806.	15.66	2357.	3.869
807.	15.68	2358.	3.864
808.	15.66	2359.	3.83
809.	15.66	2360.	3.859
810.	15.71	2361.	3.849
811.	15.68	2362.	3.828
812.	15.71	2363.	3.859
813.	15.7	2364.	3.841
814.	15.71	2365.	3.855
815.	15.72	2366.	3.86
816.	15.71	2367.	3.835
817.	15.75	2368.	3.828
818.	15.78	2369.	3.829
819.	15.76	2370.	3.865
820.	15.77	2371.	3.82
821.	15.75	2372.	3.822
822.	15.77	2373.	3.793
823.	15.77	2374.	3.843
824.	15.77	2375.	3.812

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	15.82	2376.	3.792
826.	15.81	2377.	3.812
827.	15.78	2378.	3.828
828.	15.82	2379.	3.791
829.	15.84	2380.	3.799
830.	15.77	2381.	3.779
831.	15.8	2382.	3.758
832.	15.83	2383.	3.794
833.	15.82	2384.	3.773
834.	15.81	2385.	3.786
835.	15.86	2386.	3.771
836.	15.86	2387.	3.796
837.	15.85	2388.	3.768
838.	15.83	2389.	3.771
839.	15.88	2390.	3.774
840.	15.85	2391.	3.768
841.	15.85	2392.	3.793
842.	15.87	2393.	3.751
843.	15.87	2394.	3.734
844.	15.89	2395.	3.767
845.	15.88	2396.	3.752
846.	15.87	2397.	3.75
847.	15.9	2398.	3.747
848.	15.9	2399.	3.73
849.	15.91	2400.	3.766
850.	15.93	2401.	3.745
851.	15.91	2402.	3.764
852.	15.92	2403.	3.75
853.	15.93	2404.	3.719
854.	15.94	2405.	3.714
855.	15.96	2406.	3.745
856.	15.97	2407.	3.716
857.	15.96	2408.	3.738
858.	15.97	2409.	3.716
859.	15.98	2410.	3.693
860.	15.95	2411.	3.697
861.	15.96	2412.	3.708
862.	15.98	2413.	3.708
863.	15.97	2414.	3.686
864.	15.98	2415.	3.718
865.	15.99	2416.	3.705
866.	16.	2417.	3.685
867.	15.98	2418.	3.706
868.	16.01	2419.	3.713
869.	16.03	2420.	3.714
870.	16.02	2421.	3.697
871.	16.01	2422.	3.687
872.	16.	2423.	3.656
873.	16.03	2424.	3.677
874.	16.02	2425.	3.679
875.	16.04	2426.	3.685
876.	16.03	2427.	3.652
877.	16.03	2428.	3.68
878.	16.03	2429.	3.66
879.	16.07	2430.	3.663
880.	16.08	2431.	3.655
881.	16.08	2432.	3.671
882.	16.08	2433.	3.658
883.	16.09	2434.	3.667
884.	16.11	2435.	3.626
885.	16.11	2436.	3.653
886.	16.08	2437.	3.646
887.	16.12	2438.	3.666
888.	16.11	2439.	3.64
889.	16.12	2440.	3.608
890.	16.12	2441.	3.624

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	16.13	2442.	3.63
892.	16.13	2443.	3.633
893.	16.15	2444.	3.655
894.	16.15	2445.	3.61
895.	16.17	2446.	3.633
896.	16.19	2447.	3.618
897.	16.16	2448.	3.61
898.	16.16	2449.	3.59
899.	16.19	2450.	3.595
900.	16.17	2451.	3.601
901.	16.19	2452.	3.605
902.	16.21	2453.	3.615
903.	16.19	2454.	3.615
904.	16.19	2455.	3.605
905.	16.21	2456.	3.633
906.	16.22	2457.	3.592
907.	16.21	2458.	3.571
908.	16.22	2459.	3.571
909.	16.22	2460.	3.584
910.	16.23	2461.	3.592
911.	16.24	2462.	3.591
912.	16.24	2463.	3.538
913.	16.26	2464.	3.58
914.	16.27	2465.	3.589
915.	16.26	2466.	3.57
916.	16.23	2467.	3.562
917.	16.26	2468.	3.547
918.	16.26	2469.	3.564
919.	16.27	2470.	3.568
920.	16.27	2471.	3.521
921.	16.29	2472.	3.571
922.	16.27	2473.	3.549
923.	16.29	2474.	3.588
924.	16.31	2475.	3.549
925.	16.28	2476.	3.57
926.	16.31	2477.	3.549
927.	16.31	2478.	3.563
928.	16.31	2479.	3.528
929.	16.34	2480.	3.536
930.	16.31	2481.	3.545
931.	16.33	2482.	3.571
932.	16.34	2483.	3.522
933.	16.34	2484.	3.535
934.	16.34	2485.	3.53
935.	16.35	2486.	3.537
936.	16.38	2487.	3.519
937.	16.37	2488.	3.514
938.	16.37	2489.	3.546
939.	16.37	2490.	3.488
940.	16.35	2491.	3.492
941.	16.36	2492.	3.517
942.	16.36	2493.	3.496
943.	16.41	2494.	3.488
944.	16.38	2495.	3.473
945.	16.37	2496.	3.501
946.	16.41	2497.	3.491
947.	16.42	2498.	3.5
948.	16.39	2499.	3.497
949.	16.43	2500.	3.496
950.	16.43	2501.	3.492
951.	16.42	2502.	3.476
952.	16.43	2503.	3.487
953.	16.45	2504.	3.472
954.	16.45	2505.	3.476
955.	16.44	2506.	3.463
956.	16.47	2507.	3.476

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	16.45	2508.	3.474
958.	16.43	2509.	3.456
959.	16.45	2510.	3.445
960.	16.47	2511.	3.453
961.	16.43	2512.	3.462
962.	16.5	2513.	3.453
963.	16.47	2514.	3.456
964.	16.49	2515.	3.468
965.	16.49	2516.	3.44
966.	16.45	2517.	3.42
967.	16.49	2518.	3.437
968.	16.51	2519.	3.437
969.	16.5	2520.	3.454
970.	16.5	2521.	3.437
971.	16.53	2522.	3.425
972.	16.51	2523.	3.462
973.	16.51	2524.	3.397
974.	16.52	2525.	3.427
975.	16.53	2526.	3.413
976.	16.54	2527.	3.407
977.	16.55	2528.	3.427
978.	16.55	2529.	3.412
979.	16.56	2530.	3.432
980.	16.57	2531.	3.395
981.	16.58	2532.	3.403
982.	16.55	2533.	3.413
983.	16.57	2534.	3.395
984.	16.59	2535.	3.421
985.	16.57	2536.	3.425
986.	16.57	2537.	3.369
987.	16.59	2538.	3.379
988.	16.59	2539.	3.397
989.	16.59	2540.	3.392
990.	16.63	2541.	3.409
991.	16.6	2542.	3.376
992.	16.62	2543.	3.405
993.	16.63	2544.	3.379
994.	16.62	2545.	3.376
995.	16.6	2546.	3.409
996.	16.62	2547.	3.36
997.	16.6	2548.	3.375
998.	16.63	2549.	3.368
999.	16.65	2550.	3.378
1000.	16.65	2551.	3.362
1001.	16.68	2552.	3.357
1002.	16.66	2553.	3.373
1003.	16.63	2554.	3.369
1004.	16.66	2555.	3.361
1005.	16.67	2556.	3.36
1006.	16.66	2557.	3.375
1007.	16.63	2558.	3.34
1008.	16.67	2559.	3.341
1009.	16.68	2560.	3.321
1010.	16.65	2561.	3.369
1011.	16.68	2562.	3.366
1012.	16.68	2563.	3.338
1013.	16.69	2564.	3.33
1014.	16.7	2565.	3.313
1015.	16.69	2566.	3.331
1016.	16.68	2567.	3.303
1017.	16.75	2568.	3.319
1018.	16.73	2569.	3.315
1019.	16.71	2570.	3.303
1020.	16.7	2571.	3.282
1021.	16.72	2572.	3.33
1022.	16.73	2573.	3.304

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	16.73	2574.	3.304
1024.	16.75	2575.	3.341
1025.	16.72	2576.	3.312
1026.	16.75	2577.	3.298
1027.	16.75	2578.	3.315
1028.	16.74	2579.	3.297
1029.	16.76	2580.	3.288
1030.	16.78	2581.	3.283
1031.	16.76	2582.	3.303
1032.	16.77	2583.	3.289
1033.	16.77	2584.	3.299
1034.	16.77	2585.	3.27
1035.	16.79	2586.	3.264
1036.	16.79	2587.	3.288
1037.	16.79	2588.	3.28
1038.	16.79	2589.	3.282
1039.	16.79	2590.	3.259
1040.	16.79	2591.	3.263
1041.	16.79	2592.	3.267
1042.	16.82	2593.	3.282
1043.	16.78	2594.	3.263
1044.	16.83	2595.	3.251
1045.	16.81	2596.	3.282
1046.	16.83	2597.	3.25
1047.	16.83	2598.	3.25
1048.	16.85	2599.	3.239
1049.	16.82	2600.	3.226
1050.	16.84	2601.	3.245
1051.	16.84	2602.	3.237
1052.	16.83	2603.	3.25
1053.	16.82	2604.	3.25
1054.	16.85	2605.	3.245
1055.	16.86	2606.	3.237
1056.	16.84	2607.	3.242
1057.	16.86	2608.	3.226
1058.	16.89	2609.	3.252
1059.	16.86	2610.	3.21
1060.	16.86	2611.	3.197
1061.	16.87	2612.	3.224
1062.	16.89	2613.	3.238
1063.	16.91	2614.	3.22
1064.	16.91	2615.	3.221
1065.	16.88	2616.	3.213
1066.	16.91	2617.	3.253
1067.	16.92	2618.	3.231
1068.	16.91	2619.	3.2
1069.	16.92	2620.	3.219
1070.	16.9	2621.	3.238
1071.	16.92	2622.	3.224
1072.	16.92	2623.	3.208
1073.	16.92	2624.	3.209
1074.	16.95	2625.	3.21
1075.	16.92	2626.	3.196
1076.	16.95	2627.	3.19
1077.	16.92	2628.	3.194
1078.	16.96	2629.	3.208
1079.	16.97	2630.	3.182
1080.	16.98	2631.	3.152
1081.	16.96	2632.	3.175
1082.	16.97	2633.	3.196
1083.	16.96	2634.	3.185
1084.	16.98	2635.	3.162
1085.	16.98	2636.	3.187
1086.	16.97	2637.	3.168
1087.	16.99	2638.	3.182
1088.	17.	2639.	3.175

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	17.01	2640.	3.173
1090.	16.98	2641.	3.141
1091.	17.02	2642.	3.17
1092.	17.02	2643.	3.15
1093.	17.02	2644.	3.162
1094.	17.02	2645.	3.149
1095.	16.99	2646.	3.148
1096.	17.02	2647.	3.139
1097.	17.04	2648.	3.165
1098.	16.99	2649.	3.141
1099.	17.07	2650.	3.139
1100.	17.05	2651.	3.148
1101.	17.06	2652.	3.156
1102.	17.07	2653.	3.127
1103.	17.05	2654.	3.129
1104.	17.05	2655.	3.156
1105.	17.06	2656.	3.141
1106.	17.07	2657.	3.109
1107.	17.08	2658.	3.127
1108.	17.08	2659.	3.139
1109.	17.05	2660.	3.119
1110.	17.08	2661.	3.136
1111.	17.08	2662.	3.135
1112.	17.07	2663.	3.106
1113.	17.1	2664.	3.084
1114.	17.08	2665.	3.136
1115.	17.11	2666.	3.098
1116.	17.08	2667.	3.141
1117.	17.1	2668.	3.103
1118.	17.12	2669.	3.129
1119.	17.12	2670.	3.074
1120.	17.11	2671.	3.104
1121.	17.12	2672.	3.093
1122.	17.12	2673.	3.109
1123.	17.15	2674.	3.114
1124.	17.12	2675.	3.078
1125.	17.12	2676.	3.06
1126.	17.12	2677.	3.104
1127.	17.13	2678.	3.104
1128.	17.15	2679.	3.072
1129.	17.17	2680.	3.095
1130.	17.15	2681.	3.114
1131.	17.16	2682.	3.104
1132.	17.14	2683.	3.114
1133.	17.19	2684.	3.072
1134.	17.14	2685.	3.065
1135.	17.19	2686.	3.069
1136.	17.17	2687.	3.054
1137.	17.16	2688.	3.077
1138.	17.2	2689.	3.078
1139.	17.2	2690.	3.051
1140.	17.19	2691.	3.035
1141.	17.19	2692.	3.043
1142.	17.17	2693.	3.058
1143.	17.2	2694.	3.045
1144.	17.2	2695.	3.066
1145.	17.18	2696.	3.042
1146.	17.2	2697.	3.06
1147.	17.21	2698.	3.046
1148.	17.21	2699.	2.995
1149.	17.23	2700.	3.019
1150.	17.21	2701.	3.039
1151.	17.24	2702.	3.067
1152.	17.2	2703.	3.045
1153.	17.23	2704.	3.013
1154.	17.22	2705.	3.011

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	17.24	2706.	3.025
1156.	17.27	2707.	3.019
1157.	17.27	2708.	2.999
1158.	17.22	2709.	3.009
1159.	17.26	2710.	3.021
1160.	17.25	2711.	3.035
1161.	17.27	2712.	2.995
1162.	17.27	2713.	3.033
1163.	17.23	2714.	3.022
1164.	17.28	2715.	3.024
1165.	17.26	2716.	3.031
1166.	17.28	2717.	2.988
1167.	17.27	2718.	3.019
1168.	17.3	2719.	3.02
1169.	17.3	2720.	3.007
1170.	17.29	2721.	3.019
1171.	17.29	2722.	3.009
1172.	17.3	2723.	2.946
1173.	17.31	2724.	2.987
1174.	17.31	2725.	3.015
1175.	17.33	2726.	2.983
1176.	17.29	2727.	2.978
1177.	17.3	2728.	3.014
1178.	17.32	2729.	3.002
1179.	17.27	2730.	3.018
1180.	17.23	2731.	2.987
1181.	17.15	2732.	2.988
1182.	17.12	2733.	2.985
1183.	17.07	2734.	2.988
1184.	16.98	2735.	2.983
1185.	16.92	2736.	2.957
1186.	16.87	2737.	2.983
1187.	16.81	2738.	2.974
1188.	16.75	2739.	2.96
1189.	16.71	2740.	2.976
1190.	16.68	2741.	2.941
1191.	16.62	2742.	2.934
1192.	16.6	2743.	2.943
1193.	16.53	2744.	2.957
1194.	16.45	2745.	2.936
1195.	16.44	2746.	2.96
1196.	16.38	2747.	2.96
1197.	16.43	2748.	2.974
1198.	16.38	2749.	2.958
1199.	16.33	2750.	2.947
1200.	16.33	2751.	2.957
1201.	16.31	2752.	2.958
1202.	16.27	2753.	2.953
1203.	16.24	2754.	2.93
1204.	16.24	2755.	2.95
1205.	16.21	2756.	2.913
1206.	16.17	2757.	2.936
1207.	16.14	2758.	2.939
1208.	16.12	2759.	2.913
1209.	16.12	2760.	2.95
1210.	16.11	2761.	2.921
1211.	16.06	2762.	2.931
1212.	16.04	2763.	2.941
1213.	16.03	2764.	2.899
1214.	16.03	2765.	2.879
1215.	16.	2766.	2.954
1216.	15.98	2767.	2.942
1217.	15.97	2768.	2.91
1218.	15.96	2769.	2.923
1219.	15.92	2770.	2.926
1220.	15.91	2771.	2.927

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	15.88	2772.	2.9
1222.	15.92	2773.	2.911
1223.	15.93	2774.	2.865
1224.	15.94	2775.	2.901
1225.	15.96	2776.	2.92
1226.	15.99	2777.	2.899
1227.	15.99	2778.	2.868
1228.	16.07	2779.	2.89
1229.	16.1	2780.	2.882
1230.	16.14	2781.	2.882
1231.	16.17	2782.	2.901
1232.	16.21	2783.	2.895
1233.	16.25	2784.	2.882
1234.	16.27	2785.	2.897
1235.	16.3	2786.	2.877
1236.	16.33	2787.	2.91
1237.	16.37	2788.	2.861
1238.	16.42	2789.	2.878
1239.	16.42	2790.	2.851
1240.	16.47	2791.	2.876
1241.	16.49	2792.	2.87
1242.	16.52	2793.	2.857
1243.	16.53	2794.	2.872
1244.	16.57	2795.	2.835
1245.	16.57	2796.	2.841
1246.	16.59	2797.	2.876
1247.	16.57	2798.	2.879
1248.	16.64	2799.	2.836
1249.	16.66	2800.	2.846
1250.	16.65	2801.	2.871
1251.	16.7	2802.	2.865
1252.	16.71	2803.	2.854
1253.	16.73	2804.	2.877
1254.	16.75	2805.	2.854
1255.	16.74	2806.	2.848
1256.	16.77	2807.	2.857
1257.	16.75	2808.	2.845
1258.	16.79	2809.	2.865
1259.	16.8	2810.	2.861
1260.	16.84	2811.	2.855
1261.	16.86	2812.	2.848
1262.	16.86	2813.	2.831
1263.	16.86	2814.	2.836
1264.	16.87	2815.	2.826
1265.	16.91	2816.	2.822
1266.	16.89	2817.	2.814
1267.	16.92	2818.	2.831
1268.	16.93	2819.	2.797
1269.	16.91	2820.	2.82
1270.	16.97	2821.	2.815
1271.	16.97	2822.	2.805
1272.	16.97	2823.	2.795
1273.	17.	2824.	2.849
1274.	17.	2825.	2.826
1275.	17.03	2826.	2.841
1276.	17.	2827.	2.816
1277.	17.06	2828.	2.825
1278.	17.02	2829.	2.819
1279.	17.03	2830.	2.78
1280.	17.07	2831.	2.841
1281.	17.05	2832.	2.795
1282.	17.1	2833.	2.786
1283.	17.1	2834.	2.788
1284.	17.11	2835.	2.809
1285.	17.09	2836.	2.804
1286.	17.12	2837.	2.798

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	17.13	2838.	2.781
1288.	17.13	2839.	2.795
1289.	17.14	2840.	2.815
1290.	17.13	2841.	2.792
1291.	17.15	2842.	2.803
1292.	17.15	2843.	2.788
1293.	17.14	2844.	2.799
1294.	17.15	2845.	2.79
1295.	17.17	2846.	2.807
1296.	17.2	2847.	2.815
1297.	17.19	2848.	2.736
1298.	17.19	2849.	2.773
1299.	17.19	2850.	2.789
1300.	17.21	2851.	2.742
1301.	17.21	2852.	2.747
1302.	17.22	2853.	2.79
1303.	17.24	2854.	2.757
1304.	17.22	2855.	2.795
1305.	17.26	2856.	2.78
1306.	17.22	2857.	2.773
1307.	17.24	2858.	2.781
1308.	17.25	2859.	2.742
1309.	17.26	2860.	2.743
1310.	17.26	2861.	2.76
1311.	17.26	2862.	2.745
1312.	17.27	2863.	2.767
1313.	17.25	2864.	2.755
1314.	17.31	2865.	2.749
1315.	17.27	2866.	2.742
1316.	17.32	2867.	2.747
1317.	17.29	2868.	2.769
1318.	17.29	2869.	2.749
1319.	17.29	2870.	2.743
1320.	17.3	2871.	2.72
1321.	17.3	2872.	2.758
1322.	17.32	2873.	2.747
1323.	17.34	2874.	2.696
1324.	17.33	2875.	2.743
1325.	17.34	2876.	2.734
1326.	17.35	2877.	2.724
1327.	17.38	2878.	2.722
1328.	17.33	2879.	2.734
1329.	17.35	2880.	2.738
1330.	17.34	2881.	2.725
1331.	17.36	2882.	2.695
1332.	17.39	2883.	2.725
1333.	17.39	2884.	2.712
1334.	17.36	2885.	2.701
1335.	17.42	2886.	2.716
1336.	17.42	2887.	2.716
1337.	17.39	2888.	2.717
1338.	17.4	2889.	2.681
1339.	17.41	2890.	2.708
1340.	17.43	2891.	2.736
1341.	17.41	2892.	2.708
1342.	17.43	2893.	2.715
1343.	17.43	2894.	2.699
1344.	17.42	2895.	2.693
1345.	17.48	2896.	2.7
1346.	17.46	2897.	2.717
1347.	17.44	2898.	2.67
1348.	17.45	2899.	2.692
1349.	17.49	2900.	2.717
1350.	17.47	2901.	2.714
1351.	17.49	2902.	2.702
1352.	17.5	2903.	2.7

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	17.52	2904.	2.702
1354.	17.5	2905.	2.681
1355.	17.5	2906.	2.687
1356.	17.53	2907.	2.676
1357.	17.5	2908.	2.657
1358.	17.51	2909.	2.7
1359.	17.53	2910.	2.686
1360.	17.56	2911.	2.675
1361.	17.53	2912.	2.682
1362.	17.54	2913.	2.681
1363.	17.52	2914.	2.678
1364.	17.58	2915.	2.668
1365.	17.56	2916.	2.677
1366.	17.57	2917.	2.633
1367.	17.56	2918.	2.66
1368.	17.55	2919.	2.663
1369.	17.57	2920.	2.666
1370.	17.59	2921.	2.671
1371.	17.61	2922.	2.651
1372.	17.59	2923.	2.644
1373.	17.61	2924.	2.648
1374.	17.61	2925.	2.686
1375.	17.6	2926.	2.68
1376.	17.6	2927.	2.674
1377.	17.62	2928.	2.655
1378.	17.6	2929.	2.653
1379.	17.6	2930.	2.639
1380.	17.65	2931.	2.65
1381.	17.6	2932.	2.67
1382.	17.63	2933.	2.669
1383.	17.66	2934.	2.672
1384.	17.65	2935.	2.626
1385.	17.64	2936.	2.66
1386.	17.67	2937.	2.662
1387.	17.65	2938.	2.648
1388.	17.69	2939.	2.653
1389.	17.68	2940.	2.61
1390.	17.69	2941.	2.634
1391.	17.67	2942.	2.65
1392.	17.67	2943.	2.655
1393.	17.7	2944.	2.657
1394.	17.69	2945.	2.633
1395.	17.69	2946.	2.668
1396.	17.7	2947.	2.68
1397.	17.74	2948.	2.631
1398.	17.74	2949.	2.638
1399.	17.69	2950.	2.631
1400.	17.72	2951.	2.624
1401.	17.72	2952.	2.607
1402.	17.72	2953.	2.624
1403.	17.76	2954.	2.621
1404.	17.74	2955.	2.637
1405.	17.73	2956.	2.631
1406.	17.71	2957.	2.627
1407.	17.74	2958.	2.633
1408.	17.76	2959.	2.633
1409.	17.75	2960.	2.613
1410.	17.77	2961.	2.61
1411.	17.75	2962.	2.621
1412.	17.76	2963.	2.625
1413.	17.77	2964.	2.602
1414.	17.76	2965.	2.62
1415.	17.76	2966.	2.627
1416.	17.78	2967.	2.642
1417.	17.77	2968.	2.644
1418.	17.82	2969.	2.619

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	17.79	2970.	2.599
1420.	17.78	2971.	2.577
1421.	17.79	2972.	2.616
1422.	17.78	2973.	2.604
1423.	17.79	2974.	2.621
1424.	17.8	2975.	2.611
1425.	17.79	2976.	2.627
1426.	17.82	2977.	2.577
1427.	17.77	2978.	2.61
1428.	17.8	2979.	2.587
1429.	17.8	2980.	2.613
1430.	17.8	2981.	2.587
1431.	17.83	2982.	2.598
1432.	17.84	2983.	2.593
1433.	17.81	2984.	2.606
1434.	17.83	2985.	2.61
1435.	17.84	2986.	2.59
1436.	17.85	2987.	2.599
1437.	17.83	2988.	2.602
1438.	17.83	2989.	2.609
1439.	17.84	2990.	2.607
1440.	17.83	2991.	2.583
1441.	17.8	2992.	2.546
1442.	17.69	2993.	2.597
1443.	17.66	2994.	2.597
1444.	17.56	2995.	2.599
1445.	17.47	2996.	2.575
1446.	17.42	2997.	2.604
1447.	17.36	2998.	2.572
1448.	17.26	2999.	2.597
1449.	17.18	3000.	2.567
1450.	17.07	3001.	2.544
1451.	17.	3002.	2.593
1452.	16.89	3003.	2.574
1453.	16.8	3004.	2.587
1454.	16.72	3005.	2.597
1455.	16.62	3006.	2.58
1456.	16.51	3007.	2.571
1457.	16.45	3008.	2.59
1458.	16.36	3009.	2.566
1459.	16.25	3010.	2.58
1460.	16.17	3011.	2.609
1461.	16.09	3012.	2.575
1462.	16.03	3013.	2.562
1463.	15.92	3014.	2.553
1464.	15.83	3015.	2.592
1465.	15.77	3016.	2.549
1466.	15.68	3017.	2.599
1467.	15.61	3018.	2.549
1468.	15.52	3019.	2.574
1469.	15.46	3020.	2.538
1470.	15.37	3021.	2.55
1471.	15.31	3022.	2.544
1472.	15.24	3023.	2.544
1473.	15.19	3024.	2.566
1474.	15.1	3025.	2.567
1475.	15.03	3026.	2.582
1476.	14.95	3027.	2.584
1477.	14.84	3028.	2.539
1478.	14.79	3029.	2.534
1479.	14.74	3030.	2.561
1480.	14.67	3031.	2.547
1481.	14.59	3032.	2.527
1482.	14.55	3033.	2.526
1483.	14.47	3034.	2.544
1484.	14.41	3035.	2.559

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	14.35	3036.	2.557
1486.	14.29	3037.	2.52
1487.	14.25	3038.	2.528
1488.	14.19	3039.	2.555
1489.	14.13	3040.	2.517
1490.	14.05	3041.	2.538
1491.	13.98	3042.	2.525
1492.	13.93	3043.	2.536
1493.	13.87	3044.	2.534
1494.	13.84	3045.	2.508
1495.	13.75	3046.	2.533
1496.	13.71	3047.	2.508
1497.	13.64	3048.	2.544
1498.	13.58	3049.	2.521
1499.	13.52	3050.	2.496
1500.	13.49	3051.	2.538
1501.	13.41	3052.	2.522
1502.	13.34	3053.	2.584
1503.	13.34	3054.	2.536
1504.	13.24	3055.	2.517
1505.	13.21	3056.	2.513
1506.	13.17	3057.	2.51
1507.	13.09	3058.	2.521
1508.	13.07	3059.	2.513
1509.	12.99	3060.	2.522
1510.	12.96	3061.	2.514
1511.	12.92	3062.	2.518
1512.	12.88	3063.	2.508
1513.	12.8	3064.	2.511
1514.	12.76	3065.	2.534
1515.	12.72	3066.	2.526
1516.	12.68	3067.	2.492
1517.	12.65	3068.	2.534
1518.	12.58	3069.	2.496
1519.	12.53	3070.	2.511
1520.	12.47	3071.	2.49
1521.	12.45	3072.	2.517
1522.	12.39	3073.	2.513
1523.	12.38	3074.	2.503
1524.	12.33	3075.	2.486
1525.	12.3	3076.	2.513
1526.	12.23	3077.	2.522
1527.	12.2	3078.	2.513
1528.	12.15	3079.	2.489
1529.	12.13	3080.	2.477
1530.	12.06	3081.	2.485
1531.	12.01	3082.	2.477
1532.	12.	3083.	2.503
1533.	11.95	3084.	2.49
1534.	11.91	3085.	2.487
1535.	11.86	3086.	2.478
1536.	11.83	3087.	2.49
1537.	11.79	3088.	2.489
1538.	11.76	3089.	2.498
1539.	11.73	3090.	2.48
1540.	11.69	3091.	2.48
1541.	11.66	3092.	2.511
1542.	11.62	3093.	2.503
1543.	11.58	3094.	2.495
1544.	11.54	3095.	2.513
1545.	11.5	3096.	2.467
1546.	11.47	3097.	2.492
1547.	11.42	3098.	2.48
1548.	11.38	3099.	2.492
1549.	11.33	3100.	2.449
1550.	11.35	3101.	2.508

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1551.	11.27		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1308.6	ft^2/day
S	0.0001544	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.36 ft/day (0.00577 cm/sec)
Ss = S/b = 1.93E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1292.4	2.514	+/- 4.931	514.	ft^2/day
S	0.0001072	5.868E-7	+/- 1.151E-6	182.7	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.16 ft/day (0.005699 cm/sec)
Ss = S/b = 1.34E-6 1/ft

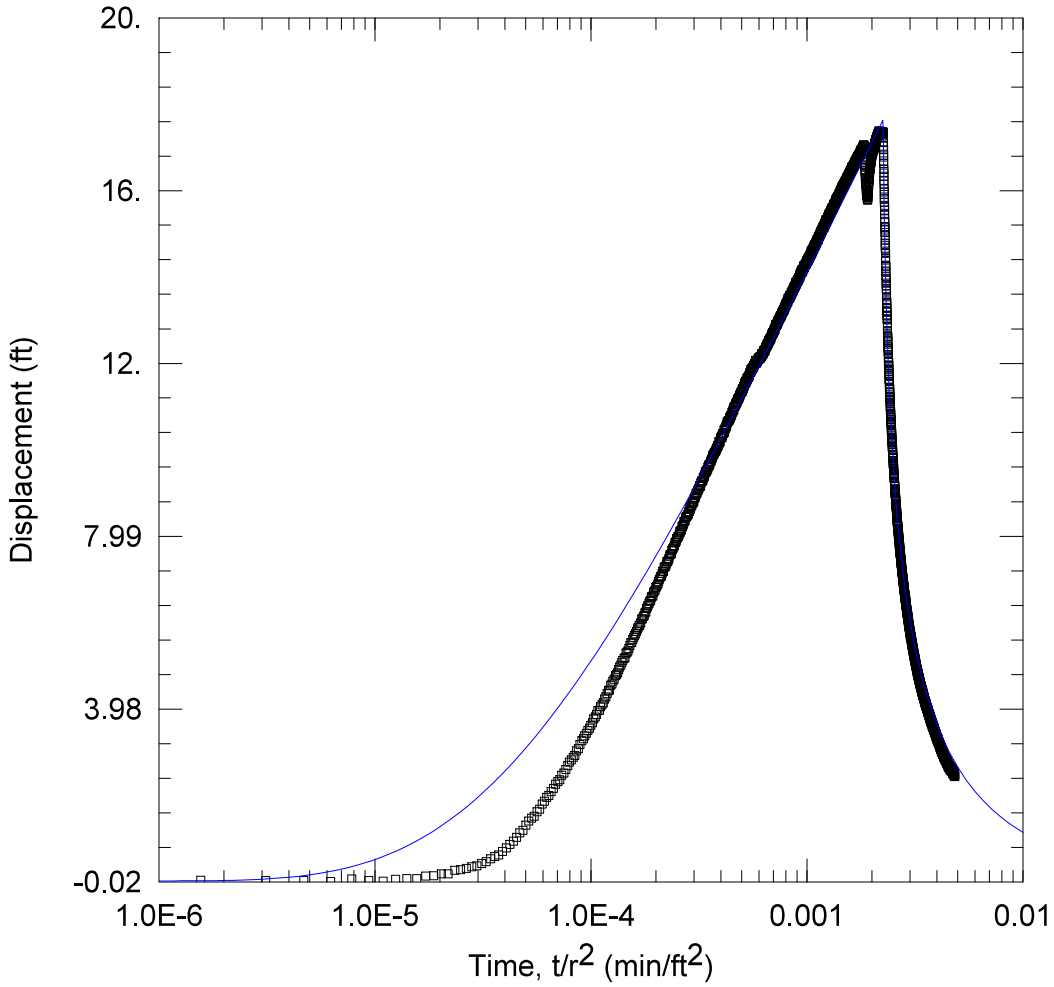
Parameter Correlations

	T	S
T	1.00	-0.87
S	-0.87	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 575.8 ft^2
Variance . . . . . 0.1858 ft^2
Std. Deviation . . . . . 0.431 ft
Mean . . . . . -0.1274 ft
No. of Residuals 3101
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW18.aqt
Date: 04/11/25 Time: 12:07:21

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW18	391	839

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1302.4 ft^2/day
S = 7.631E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:53:53

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW18

X Location: 391. ft
Y Location: 839. ft

Radial distance from BM 1B: 800.1562347 ft
Radial distance from BM2A: 1127.817361 ft
Radial distance from BM3: 291.8150099 ft
Radial distance from BM 4 : 451.1341264 ft
Radial distance from BM5: 522.9005642 ft
Radial distance from BM 6: 781.4614514 ft
Radial distance from BM7: 1123.887005 ft
Radial distance from BM9: 1790.972082 ft

Fully Penetrating Well

No. of Observations: 3095

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.01488	1549.	11.33
2.	0.008808	1550.	11.32
3.	0.01026	1551.	11.28
4.	-0.01034	1552.	11.22
5.	0.04418	1553.	11.22
6.	0.005955	1554.	11.17
7.	-0.004906	1555.	11.16
8.	0.03728	1556.	11.09
9.	0.05107	1557.	11.07
10.	0.05402	1558.	11.01
11.	0.1132	1559.	11.02
12.	0.1235	1560.	10.98
13.	0.1635	1561.	10.96
14.	0.1635	1562.	10.93
15.	0.2435	1563.	10.88
16.	0.264	1564.	10.84
17.	0.2882	1565.	10.8
18.	0.329	1566.	10.8
19.	0.3497	1567.	10.77
20.	0.4025	1568.	10.72
21.	0.4439	1569.	10.69
22.	0.5139	1570.	10.69
23.	0.5621	1571.	10.65
24.	0.6029	1572.	10.62
25.	0.6851	1573.	10.58
26.	0.7664	1574.	10.59
27.	0.8505	1575.	10.56
28.	0.9248	1576.	10.52
29.	1.008	1577.	10.45
30.	1.113	1578.	10.44
31.	1.176	1579.	10.4
32.	1.289	1580.	10.41

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.391	1581.	10.37
34.	1.457	1582.	10.36
35.	1.502	1583.	10.31
36.	1.606	1584.	10.27
37.	1.666	1585.	10.25
38.	1.782	1586.	10.23
39.	1.845	1587.	10.2
40.	1.937	1588.	10.19
41.	1.983	1589.	10.17
42.	2.068	1590.	10.16
43.	2.148	1591.	10.13
44.	2.24	1592.	10.07
45.	2.3	1593.	10.05
46.	2.342	1594.	10.04
47.	2.453	1595.	10.01
48.	2.503	1596.	9.987
49.	2.582	1597.	9.977
50.	2.67	1598.	9.932
51.	2.75	1599.	9.922
52.	2.803	1600.	9.857
53.	2.862	1601.	9.878
54.	2.912	1602.	9.867
55.	3.019	1603.	9.814
56.	3.065	1604.	9.79
57.	3.167	1605.	9.804
58.	3.253	1606.	9.734
59.	3.299	1607.	9.713
60.	3.368	1608.	9.679
61.	3.421	1609.	9.668
62.	3.491	1610.	9.652
63.	3.544	1611.	9.654
64.	3.611	1612.	9.6
65.	3.668	1613.	9.612
66.	3.761	1614.	9.569
67.	3.803	1615.	9.569
68.	3.862	1616.	9.517
69.	3.948	1617.	9.511
70.	3.955	1618.	9.476
71.	4.035	1619.	9.44
72.	4.082	1620.	9.418
73.	4.126	1621.	9.442
74.	4.211	1622.	9.403
75.	4.267	1623.	9.389
76.	4.343	1624.	9.344
77.	4.41	1625.	9.343
78.	4.424	1626.	9.324
79.	4.531	1627.	9.326
80.	4.56	1628.	9.266
81.	4.631	1629.	9.266
82.	4.677	1630.	9.216
83.	4.755	1631.	9.217
84.	4.775	1632.	9.184
85.	4.822	1633.	9.159
86.	4.896	1634.	9.153
87.	4.956	1635.	9.158
88.	4.998	1636.	9.082
89.	5.058	1637.	9.051
90.	5.109	1638.	9.084
91.	5.155	1639.	9.031
92.	5.181	1640.	9.03
93.	5.277	1641.	8.99
94.	5.299	1642.	8.998
95.	5.325	1643.	8.964
96.	5.387	1644.	8.97
97.	5.456	1645.	8.912
98.	5.521	1646.	8.939

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	5.529	1647.	8.924
100.	5.596	1648.	8.882
101.	5.647	1649.	8.887
102.	5.686	1650.	8.842
103.	5.73	1651.	8.858
104.	5.784	1652.	8.805
105.	5.84	1653.	8.802
106.	5.875	1654.	8.792
107.	5.92	1655.	8.718
108.	5.933	1656.	8.743
109.	5.981	1657.	8.725
110.	6.071	1658.	8.705
111.	6.078	1659.	8.704
112.	6.124	1660.	8.676
113.	6.148	1661.	8.654
114.	6.21	1662.	8.631
115.	6.231	1663.	8.618
116.	6.313	1664.	8.585
117.	6.353	1665.	8.61
118.	6.387	1666.	8.596
119.	6.434	1667.	8.562
120.	6.477	1668.	8.533
121.	6.5	1669.	8.522
122.	6.561	1670.	8.494
123.	6.591	1671.	8.48
124.	6.601	1672.	8.458
125.	6.674	1673.	8.427
126.	6.713	1674.	8.457
127.	6.74	1675.	8.43
128.	6.807	1676.	8.39
129.	6.823	1677.	8.346
130.	6.86	1678.	8.361
131.	6.89	1679.	8.34
132.	6.944	1680.	8.35
133.	6.989	1681.	8.316
134.	7.045	1682.	8.301
135.	7.055	1683.	8.292
136.	7.075	1684.	8.287
137.	7.129	1685.	8.236
138.	7.183	1686.	8.254
139.	7.178	1687.	8.241
140.	7.267	1688.	8.228
141.	7.283	1689.	8.215
142.	7.293	1690.	8.159
143.	7.341	1691.	8.172
144.	7.403	1692.	8.144
145.	7.397	1693.	8.137
146.	7.429	1694.	8.135
147.	7.474	1695.	8.095
148.	7.526	1696.	8.116
149.	7.567	1697.	8.099
150.	7.578	1698.	8.08
151.	7.592	1699.	8.024
152.	7.66	1700.	8.057
153.	7.686	1701.	8.047
154.	7.712	1702.	8.001
155.	7.743	1703.	8.004
156.	7.77	1704.	7.98
157.	7.836	1705.	7.972
158.	7.853	1706.	7.955
159.	7.883	1707.	7.91
160.	7.932	1708.	7.927
161.	7.947	1709.	7.919
162.	7.978	1710.	7.91
163.	7.985	1711.	7.868
164.	8.029	1712.	7.887

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	8.093	1713.	7.888
166.	8.076	1714.	7.854
167.	8.117	1715.	7.822
168.	8.135	1716.	7.813
169.	8.213	1717.	7.77
170.	8.203	1718.	7.777
171.	8.238	1719.	7.782
172.	8.272	1720.	7.747
173.	8.332	1721.	7.729
174.	8.332	1722.	7.738
175.	8.352	1723.	7.738
176.	8.429	1724.	7.696
177.	8.429	1725.	7.683
178.	8.445	1726.	7.675
179.	8.458	1727.	7.646
180.	8.485	1728.	7.653
181.	8.505	1729.	7.62
182.	8.555	1730.	7.653
183.	8.562	1731.	7.627
184.	8.645	1732.	7.571
185.	8.613	1733.	7.6
186.	8.665	1734.	7.576
187.	8.698	1735.	7.58
188.	8.708	1736.	7.57
189.	8.757	1737.	7.527
190.	8.756	1738.	7.515
191.	8.766	1739.	7.512
192.	8.804	1740.	7.499
193.	8.854	1741.	7.482
194.	8.875	1742.	7.456
195.	8.884	1743.	7.451
196.	8.933	1744.	7.458
197.	8.979	1745.	7.419
198.	8.972	1746.	7.426
199.	8.997	1747.	7.39
200.	9.037	1748.	7.393
201.	9.045	1749.	7.404
202.	9.082	1750.	7.388
203.	9.093	1751.	7.36
204.	9.146	1752.	7.334
205.	9.168	1753.	7.352
206.	9.147	1754.	7.336
207.	9.221	1755.	7.307
208.	9.244	1756.	7.287
209.	9.261	1757.	7.296
210.	9.28	1758.	7.262
211.	9.272	1759.	7.278
212.	9.326	1760.	7.245
213.	9.343	1761.	7.22
214.	9.367	1762.	7.246
215.	9.372	1763.	7.196
216.	9.415	1764.	7.199
217.	9.475	1765.	7.162
218.	9.462	1766.	7.176
219.	9.485	1767.	7.188
220.	9.503	1768.	7.188
221.	9.524	1769.	7.152
222.	9.531	1770.	7.139
223.	9.586	1771.	7.138
224.	9.599	1772.	7.118
225.	9.631	1773.	7.144
226.	9.622	1774.	7.101
227.	9.66	1775.	7.093
228.	9.657	1776.	7.076
229.	9.714	1777.	7.028
230.	9.732	1778.	7.081

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	9.72	1779.	7.014
232.	9.769	1780.	6.996
233.	9.784	1781.	7.062
234.	9.82	1782.	7.009
235.	9.849	1783.	6.987
236.	9.869	1784.	7.023
237.	9.885	1785.	6.988
238.	9.906	1786.	6.936
239.	9.924	1787.	6.95
240.	9.932	1788.	6.953
241.	9.96	1789.	6.927
242.	9.968	1790.	6.922
243.	9.978	1791.	6.899
244.	10.	1792.	6.897
245.	10.03	1793.	6.884
246.	10.05	1794.	6.869
247.	10.06	1795.	6.872
248.	10.1	1796.	6.85
249.	10.09	1797.	6.837
250.	10.11	1798.	6.849
251.	10.18	1799.	6.853
252.	10.15	1800.	6.822
253.	10.19	1801.	6.809
254.	10.18	1802.	6.798
255.	10.26	1803.	6.781
256.	10.26	1804.	6.801
257.	10.28	1805.	6.78
258.	10.31	1806.	6.751
259.	10.28	1807.	6.737
260.	10.31	1808.	6.743
261.	10.37	1809.	6.743
262.	10.37	1810.	6.72
263.	10.38	1811.	6.726
264.	10.37	1812.	6.688
265.	10.45	1813.	6.706
266.	10.4	1814.	6.66
267.	10.47	1815.	6.694
268.	10.49	1816.	6.643
269.	10.5	1817.	6.656
270.	10.52	1818.	6.636
271.	10.55	1819.	6.622
272.	10.52	1820.	6.655
273.	10.58	1821.	6.625
274.	10.62	1822.	6.608
275.	10.62	1823.	6.582
276.	10.65	1824.	6.587
277.	10.66	1825.	6.587
278.	10.66	1826.	6.552
279.	10.67	1827.	6.543
280.	10.68	1828.	6.536
281.	10.73	1829.	6.548
282.	10.71	1830.	6.51
283.	10.74	1831.	6.526
284.	10.78	1832.	6.521
285.	10.77	1833.	6.518
286.	10.79	1834.	6.524
287.	10.79	1835.	6.492
288.	10.85	1836.	6.482
289.	10.85	1837.	6.436
290.	10.89	1838.	6.474
291.	10.88	1839.	6.488
292.	10.93	1840.	6.43
293.	10.96	1841.	6.443
294.	10.91	1842.	6.383
295.	10.98	1843.	6.434
296.	10.99	1844.	6.406

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	11.	1845.	6.413
298.	11.01	1846.	6.388
299.	11.04	1847.	6.391
300.	11.06	1848.	6.367
301.	11.05	1849.	6.353
302.	11.08	1850.	6.365
303.	11.1	1851.	6.324
304.	11.1	1852.	6.36
305.	11.15	1853.	6.314
306.	11.15	1854.	6.3
307.	11.16	1855.	6.303
308.	11.17	1856.	6.289
309.	11.17	1857.	6.281
310.	11.18	1858.	6.279
311.	11.21	1859.	6.299
312.	11.21	1860.	6.25
313.	11.26	1861.	6.261
314.	11.25	1862.	6.239
315.	11.28	1863.	6.234
316.	11.31	1864.	6.225
317.	11.32	1865.	6.216
318.	11.32	1866.	6.211
319.	11.35	1867.	6.18
320.	11.34	1868.	6.192
321.	11.39	1869.	6.201
322.	11.35	1870.	6.182
323.	11.38	1871.	6.18
324.	11.41	1872.	6.142
325.	11.41	1873.	6.153
326.	11.41	1874.	6.129
327.	11.46	1875.	6.181
328.	11.46	1876.	6.138
329.	11.49	1877.	6.129
330.	11.52	1878.	6.108
331.	11.55	1879.	6.142
332.	11.54	1880.	6.067
333.	11.57	1881.	6.083
334.	11.54	1882.	6.074
335.	11.58	1883.	6.081
336.	11.6	1884.	6.095
337.	11.58	1885.	6.052
338.	11.64	1886.	6.044
339.	11.63	1887.	6.034
340.	11.65	1888.	6.056
341.	11.66	1889.	6.002
342.	11.68	1890.	6.018
343.	11.68	1891.	6.03
344.	11.67	1892.	6.014
345.	11.71	1893.	5.996
346.	11.71	1894.	5.996
347.	11.71	1895.	5.978
348.	11.75	1896.	5.969
349.	11.77	1897.	5.941
350.	11.79	1898.	5.933
351.	11.8	1899.	5.941
352.	11.8	1900.	5.894
353.	11.85	1901.	5.923
354.	11.84	1902.	5.94
355.	11.83	1903.	5.907
356.	11.87	1904.	5.9
357.	11.87	1905.	5.942
358.	11.87	1906.	5.873
359.	11.89	1907.	5.888
360.	11.9	1908.	5.875
361.	11.89	1909.	5.854
362.	11.94	1910.	5.901

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	11.95	1911.	5.855
364.	11.94	1912.	5.849
365.	11.94	1913.	5.84
366.	11.96	1914.	5.833
367.	11.98	1915.	5.817
368.	11.99	1916.	5.837
369.	11.99	1917.	5.815
370.	12.01	1918.	5.804
371.	12.06	1919.	5.799
372.	12.01	1920.	5.794
373.	12.05	1921.	5.781
374.	12.01	1922.	5.794
375.	12.	1923.	5.776
376.	12.02	1924.	5.774
377.	12.05	1925.	5.739
378.	12.06	1926.	5.741
379.	12.07	1927.	5.778
380.	12.06	1928.	5.754
381.	12.09	1929.	5.722
382.	12.09	1930.	5.683
383.	12.12	1931.	5.728
384.	12.11	1932.	5.682
385.	12.11	1933.	5.703
386.	12.13	1934.	5.734
387.	12.1	1935.	5.711
388.	12.13	1936.	5.717
389.	12.15	1937.	5.653
390.	12.11	1938.	5.661
391.	12.16	1939.	5.678
392.	12.15	1940.	5.657
393.	12.16	1941.	5.64
394.	12.18	1942.	5.659
395.	12.15	1943.	5.67
396.	12.22	1944.	5.631
397.	12.18	1945.	5.642
398.	12.2	1946.	5.587
399.	12.2	1947.	5.623
400.	12.21	1948.	5.612
401.	12.23	1949.	5.591
402.	12.22	1950.	5.604
403.	12.25	1951.	5.58
404.	12.29	1952.	5.59
405.	12.28	1953.	5.598
406.	12.27	1954.	5.585
407.	12.27	1955.	5.555
408.	12.3	1956.	5.521
409.	12.27	1957.	5.568
410.	12.31	1958.	5.543
411.	12.32	1959.	5.52
412.	12.33	1960.	5.526
413.	12.35	1961.	5.53
414.	12.36	1962.	5.506
415.	12.4	1963.	5.501
416.	12.37	1964.	5.523
417.	12.39	1965.	5.521
418.	12.42	1966.	5.482
419.	12.41	1967.	5.473
420.	12.42	1968.	5.494
421.	12.44	1969.	5.471
422.	12.44	1970.	5.465
423.	12.46	1971.	5.469
424.	12.47	1972.	5.428
425.	12.46	1973.	5.442
426.	12.52	1974.	5.445
427.	12.5	1975.	5.4
428.	12.51	1976.	5.44

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	12.51	1977.	5.435
430.	12.51	1978.	5.416
431.	12.56	1979.	5.395
432.	12.53	1980.	5.4
433.	12.57	1981.	5.41
434.	12.58	1982.	5.412
435.	12.58	1983.	5.385
436.	12.56	1984.	5.368
437.	12.6	1985.	5.363
438.	12.61	1986.	5.377
439.	12.63	1987.	5.347
440.	12.64	1988.	5.361
441.	12.66	1989.	5.358
442.	12.67	1990.	5.35
443.	12.68	1991.	5.31
444.	12.68	1992.	5.313
445.	12.71	1993.	5.331
446.	12.68	1994.	5.309
447.	12.7	1995.	5.316
448.	12.71	1996.	5.306
449.	12.73	1997.	5.29
450.	12.74	1998.	5.29
451.	12.76	1999.	5.311
452.	12.75	2000.	5.295
453.	12.76	2001.	5.259
454.	12.77	2002.	5.246
455.	12.81	2003.	5.273
456.	12.79	2004.	5.259
457.	12.84	2005.	5.252
458.	12.84	2006.	5.218
459.	12.84	2007.	5.249
460.	12.89	2008.	5.231
461.	12.88	2009.	5.231
462.	12.89	2010.	5.233
463.	12.87	2011.	5.213
464.	12.89	2012.	5.18
465.	12.9	2013.	5.207
466.	12.92	2014.	5.231
467.	12.92	2015.	5.195
468.	12.91	2016.	5.193
469.	12.94	2017.	5.191
470.	12.97	2018.	5.177
471.	12.96	2019.	5.158
472.	12.97	2020.	5.144
473.	12.98	2021.	5.191
474.	13.02	2022.	5.158
475.	13.01	2023.	5.141
476.	13.	2024.	5.148
477.	13.03	2025.	5.164
478.	13.02	2026.	5.129
479.	13.03	2027.	5.122
480.	13.07	2028.	5.117
481.	13.06	2029.	5.123
482.	13.06	2030.	5.115
483.	13.07	2031.	5.094
484.	13.09	2032.	5.098
485.	13.11	2033.	5.118
486.	13.1	2034.	5.118
487.	13.1	2035.	5.063
488.	13.09	2036.	5.088
489.	13.13	2037.	5.076
490.	13.13	2038.	5.058
491.	13.16	2039.	5.05
492.	13.16	2040.	5.083
493.	13.18	2041.	5.039
494.	13.18	2042.	5.008

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	13.2	2043.	5.044
496.	13.2	2044.	5.018
497.	13.2	2045.	5.028
498.	13.21	2046.	5.028
499.	13.24	2047.	4.99
500.	13.25	2048.	5.013
501.	13.25	2049.	5.03
502.	13.24	2050.	5.005
503.	13.25	2051.	4.985
504.	13.27	2052.	4.991
505.	13.24	2053.	4.989
506.	13.28	2054.	4.987
507.	13.3	2055.	4.977
508.	13.31	2056.	4.98
509.	13.36	2057.	4.996
510.	13.33	2058.	4.946
511.	13.33	2059.	4.988
512.	13.37	2060.	4.957
513.	13.36	2061.	4.928
514.	13.36	2062.	4.93
515.	13.38	2063.	4.942
516.	13.4	2064.	4.932
517.	13.38	2065.	4.93
518.	13.4	2066.	4.911
519.	13.4	2067.	4.888
520.	13.44	2068.	4.913
521.	13.43	2069.	4.905
522.	13.42	2070.	4.893
523.	13.42	2071.	4.898
524.	13.49	2072.	4.894
525.	13.48	2073.	4.888
526.	13.47	2074.	4.883
527.	13.5	2075.	4.888
528.	13.49	2076.	4.861
529.	13.51	2077.	4.841
530.	13.51	2078.	4.84
531.	13.52	2079.	4.898
532.	13.5	2080.	4.83
533.	13.54	2081.	4.849
534.	13.55	2082.	4.835
535.	13.57	2083.	4.835
536.	13.53	2084.	4.805
537.	13.57	2085.	4.806
538.	13.54	2086.	4.808
539.	13.58	2087.	4.836
540.	13.57	2088.	4.805
541.	13.59	2089.	4.823
542.	13.63	2090.	4.788
543.	13.63	2091.	4.813
544.	13.62	2092.	4.773
545.	13.63	2093.	4.788
546.	13.62	2094.	4.772
547.	13.65	2095.	4.794
548.	13.65	2096.	4.751
549.	13.68	2097.	4.773
550.	13.67	2098.	4.79
551.	13.68	2099.	4.776
552.	13.67	2100.	4.74
553.	13.7	2101.	4.75
554.	13.69	2102.	4.754
555.	13.71	2103.	4.753
556.	13.74	2104.	4.734
557.	13.75	2105.	4.746
558.	13.74	2106.	4.735
559.	13.73	2107.	4.73
560.	13.75	2108.	4.701

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	13.76	2109.	4.735
562.	13.77	2110.	4.72
563.	13.76	2111.	4.728
564.	13.78	2112.	4.718
565.	13.8	2113.	4.717
566.	13.79	2114.	4.698
567.	13.8	2115.	4.686
568.	13.83	2116.	4.684
569.	13.87	2117.	4.707
570.	13.83	2118.	4.697
571.	13.85	2119.	4.681
572.	13.82	2120.	4.651
573.	13.85	2121.	4.655
574.	13.86	2122.	4.629
575.	13.88	2123.	4.656
576.	13.86	2124.	4.661
577.	13.9	2125.	4.644
578.	13.9	2126.	4.657
579.	13.9	2127.	4.649
580.	13.9	2128.	4.636
581.	13.92	2129.	4.621
582.	13.94	2130.	4.629
583.	13.91	2131.	4.599
584.	13.92	2132.	4.614
585.	13.96	2133.	4.635
586.	13.98	2134.	4.626
587.	13.96	2135.	4.581
588.	13.96	2136.	4.597
589.	13.98	2137.	4.605
590.	13.99	2138.	4.59
591.	13.99	2139.	4.585
592.	14.01	2140.	4.556
593.	13.98	2141.	4.604
594.	14.01	2142.	4.58
595.	14.06	2143.	4.564
596.	14.07	2144.	4.591
597.	14.04	2145.	4.558
598.	14.06	2146.	4.553
599.	14.08	2147.	4.551
600.	14.1	2148.	4.532
601.	14.07	2149.	4.519
602.	14.12	2150.	4.56
603.	14.09	2151.	4.546
604.	14.09	2152.	4.517
605.	14.12	2153.	4.525
606.	14.12	2154.	4.522
607.	14.16	2155.	4.532
608.	14.13	2156.	4.507
609.	14.15	2157.	4.517
610.	14.16	2158.	4.523
611.	14.16	2159.	4.503
612.	14.12	2160.	4.51
613.	14.17	2161.	4.488
614.	14.17	2162.	4.514
615.	14.17	2163.	4.472
616.	14.2	2164.	4.491
617.	14.18	2165.	4.468
618.	14.17	2166.	4.506
619.	14.24	2167.	4.483
620.	14.25	2168.	4.481
621.	14.24	2169.	4.478
622.	14.21	2170.	4.462
623.	14.22	2171.	4.452
624.	14.22	2172.	4.449
625.	14.26	2173.	4.45
626.	14.26	2174.	4.441

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	14.27	2175.	4.46
628.	14.26	2176.	4.432
629.	14.28	2177.	4.442
630.	14.28	2178.	4.431
631.	14.3	2179.	4.413
632.	14.3	2180.	4.385
633.	14.32	2181.	4.392
634.	14.31	2182.	4.415
635.	14.29	2183.	4.442
636.	14.3	2184.	4.412
637.	14.32	2185.	4.414
638.	14.33	2186.	4.426
639.	14.34	2187.	4.418
640.	14.33	2188.	4.406
641.	14.37	2189.	4.382
642.	14.37	2190.	4.411
643.	14.38	2191.	4.382
644.	14.39	2192.	4.363
645.	14.36	2193.	4.361
646.	14.39	2194.	4.368
647.	14.4	2195.	4.354
648.	14.4	2196.	4.371
649.	14.38	2197.	4.353
650.	14.43	2198.	4.394
651.	14.42	2199.	4.35
652.	14.42	2200.	4.352
653.	14.42	2201.	4.337
654.	14.44	2202.	4.366
655.	14.42	2203.	4.38
656.	14.45	2204.	4.327
657.	14.45	2205.	4.345
658.	14.44	2206.	4.345
659.	14.47	2207.	4.298
660.	14.5	2208.	4.349
661.	14.49	2209.	4.334
662.	14.48	2210.	4.3
663.	14.49	2211.	4.291
664.	14.51	2212.	4.291
665.	14.49	2213.	4.293
666.	14.54	2214.	4.285
667.	14.53	2215.	4.292
668.	14.5	2216.	4.298
669.	14.53	2217.	4.284
670.	14.58	2218.	4.31
671.	14.55	2219.	4.287
672.	14.56	2220.	4.287
673.	14.53	2221.	4.292
674.	14.54	2222.	4.273
675.	14.61	2223.	4.262
676.	14.59	2224.	4.247
677.	14.62	2225.	4.28
678.	14.59	2226.	4.269
679.	14.57	2227.	4.267
680.	14.6	2228.	4.255
681.	14.62	2229.	4.267
682.	14.61	2230.	4.251
683.	14.63	2231.	4.23
684.	14.65	2232.	4.237
685.	14.64	2233.	4.22
686.	14.65	2234.	4.229
687.	14.64	2235.	4.233
688.	14.64	2236.	4.204
689.	14.69	2237.	4.218
690.	14.66	2238.	4.204
691.	14.69	2239.	4.222
692.	14.69	2240.	4.195

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	14.7	2241.	4.211
694.	14.72	2242.	4.186
695.	14.73	2243.	4.181
696.	14.71	2244.	4.175
697.	14.7	2245.	4.189
698.	14.74	2246.	4.202
699.	14.72	2247.	4.178
700.	14.72	2248.	4.166
701.	14.77	2249.	4.176
702.	14.77	2250.	4.169
703.	14.75	2251.	4.163
704.	14.79	2252.	4.176
705.	14.75	2253.	4.175
706.	14.79	2254.	4.15
707.	14.79	2255.	4.152
708.	14.76	2256.	4.143
709.	14.8	2257.	4.127
710.	14.82	2258.	4.159
711.	14.8	2259.	4.109
712.	14.82	2260.	4.118
713.	14.85	2261.	4.119
714.	14.85	2262.	4.152
715.	14.83	2263.	4.157
716.	14.87	2264.	4.164
717.	14.85	2265.	4.159
718.	14.84	2266.	4.142
719.	14.86	2267.	4.112
720.	14.87	2268.	4.118
721.	14.88	2269.	4.117
722.	14.88	2270.	4.089
723.	14.86	2271.	4.116
724.	14.92	2272.	4.113
725.	14.89	2273.	4.064
726.	14.93	2274.	4.123
727.	14.92	2275.	4.067
728.	14.93	2276.	4.114
729.	14.92	2277.	4.064
730.	14.93	2278.	4.079
731.	14.95	2279.	4.08
732.	14.95	2280.	4.091
733.	14.98	2281.	4.069
734.	14.97	2282.	4.087
735.	14.94	2283.	4.065
736.	14.96	2284.	4.082
737.	14.99	2285.	4.066
738.	15.	2286.	4.062
739.	14.99	2287.	4.057
740.	15.	2288.	4.044
741.	15.	2289.	4.029
742.	15.02	2290.	4.014
743.	15.05	2291.	4.052
744.	15.01	2292.	4.03
745.	15.03	2293.	4.045
746.	15.05	2294.	4.044
747.	15.05	2295.	4.048
748.	15.04	2296.	4.03
749.	15.05	2297.	4.02
750.	15.08	2298.	4.008
751.	15.08	2299.	4.013
752.	15.07	2300.	4.009
753.	15.11	2301.	4.017
754.	15.07	2302.	3.993
755.	15.1	2303.	4.019
756.	15.11	2304.	4.016
757.	15.11	2305.	3.984
758.	15.09	2306.	4.017

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	15.14	2307.	3.971
760.	15.13	2308.	4.037
761.	15.16	2309.	4.005
762.	15.12	2310.	3.99
763.	15.14	2311.	3.995
764.	15.14	2312.	3.982
765.	15.13	2313.	3.955
766.	15.14	2314.	3.992
767.	15.16	2315.	3.99
768.	15.18	2316.	3.988
769.	15.16	2317.	3.941
770.	15.18	2318.	3.945
771.	15.18	2319.	3.969
772.	15.16	2320.	3.959
773.	15.22	2321.	3.929
774.	15.17	2322.	3.947
775.	15.24	2323.	3.935
776.	15.22	2324.	3.936
777.	15.24	2325.	3.963
778.	15.24	2326.	3.944
779.	15.24	2327.	3.923
780.	15.22	2328.	3.951
781.	15.24	2329.	3.927
782.	15.26	2330.	3.914
783.	15.28	2331.	3.907
784.	15.29	2332.	3.971
785.	15.3	2333.	3.909
786.	15.28	2334.	3.922
787.	15.32	2335.	3.893
788.	15.26	2336.	3.911
789.	15.3	2337.	3.883
790.	15.29	2338.	3.912
791.	15.28	2339.	3.898
792.	15.32	2340.	3.906
793.	15.32	2341.	3.887
794.	15.33	2342.	3.917
795.	15.33	2343.	3.89
796.	15.33	2344.	3.861
797.	15.34	2345.	3.846
798.	15.34	2346.	3.883
799.	15.38	2347.	3.889
800.	15.35	2348.	3.887
801.	15.39	2349.	3.875
802.	15.38	2350.	3.871
803.	15.39	2351.	3.857
804.	15.38	2352.	3.855
805.	15.36	2353.	3.858
806.	15.37	2354.	3.881
807.	15.41	2355.	3.859
808.	15.37	2356.	3.858
809.	15.4	2357.	3.833
810.	15.45	2358.	3.847
811.	15.42	2359.	3.842
812.	15.44	2360.	3.833
813.	15.44	2361.	3.852
814.	15.46	2362.	3.822
815.	15.43	2363.	3.844
816.	15.45	2364.	3.826
817.	15.47	2365.	3.805
818.	15.45	2366.	3.824
819.	15.46	2367.	3.826
820.	15.46	2368.	3.822
821.	15.49	2369.	3.812
822.	15.49	2370.	3.856
823.	15.48	2371.	3.82
824.	15.5	2372.	3.79

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	15.51	2373.	3.803
826.	15.48	2374.	3.822
827.	15.53	2375.	3.798
828.	15.52	2376.	3.796
829.	15.53	2377.	3.775
830.	15.54	2378.	3.807
831.	15.53	2379.	3.782
832.	15.53	2380.	3.767
833.	15.56	2381.	3.771
834.	15.57	2382.	3.76
835.	15.57	2383.	3.805
836.	15.59	2384.	3.755
837.	15.56	2385.	3.786
838.	15.56	2386.	3.753
839.	15.56	2387.	3.764
840.	15.55	2388.	3.757
841.	15.57	2389.	3.771
842.	15.56	2390.	3.736
843.	15.58	2391.	3.75
844.	15.6	2392.	3.727
845.	15.58	2393.	3.724
846.	15.62	2394.	3.728
847.	15.6	2395.	3.756
848.	15.59	2396.	3.771
849.	15.62	2397.	3.748
850.	15.65	2398.	3.746
851.	15.62	2399.	3.735
852.	15.63	2400.	3.71
853.	15.66	2401.	3.759
854.	15.66	2402.	3.721
855.	15.66	2403.	3.714
856.	15.69	2404.	3.727
857.	15.69	2405.	3.707
858.	15.65	2406.	3.738
859.	15.68	2407.	3.708
860.	15.69	2408.	3.674
861.	15.7	2409.	3.694
862.	15.7	2410.	3.713
863.	15.69	2411.	3.725
864.	15.7	2412.	3.678
865.	15.7	2413.	3.703
866.	15.73	2414.	3.704
867.	15.71	2415.	3.693
868.	15.76	2416.	3.666
869.	15.74	2417.	3.704
870.	15.74	2418.	3.684
871.	15.72	2419.	3.658
872.	15.78	2420.	3.678
873.	15.77	2421.	3.69
874.	15.74	2422.	3.691
875.	15.79	2423.	3.655
876.	15.79	2424.	3.674
877.	15.79	2425.	3.691
878.	15.76	2426.	3.658
879.	15.79	2427.	3.64
880.	15.8	2428.	3.67
881.	15.8	2429.	3.681
882.	15.8	2430.	3.64
883.	15.82	2431.	3.639
884.	15.83	2432.	3.668
885.	15.83	2433.	3.678
886.	15.82	2434.	3.647
887.	15.82	2435.	3.612
888.	15.85	2436.	3.629
889.	15.82	2437.	3.637
890.	15.82	2438.	3.639

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	15.86	2439.	3.588
892.	15.83	2440.	3.597
893.	15.85	2441.	3.633
894.	15.84	2442.	3.65
895.	15.87	2443.	3.629
896.	15.84	2444.	3.619
897.	15.87	2445.	3.592
898.	15.86	2446.	3.613
899.	15.89	2447.	3.619
900.	15.89	2448.	3.635
901.	15.89	2449.	3.613
902.	15.89	2450.	3.619
903.	15.89	2451.	3.596
904.	15.89	2452.	3.597
905.	15.92	2453.	3.594
906.	15.91	2454.	3.612
907.	15.93	2455.	3.582
908.	15.93	2456.	3.576
909.	15.94	2457.	3.624
910.	15.93	2458.	3.558
911.	15.92	2459.	3.573
912.	15.95	2460.	3.567
913.	15.92	2461.	3.577
914.	15.98	2462.	3.582
915.	15.95	2463.	3.561
916.	15.95	2464.	3.572
917.	15.98	2465.	3.565
918.	15.99	2466.	3.547
919.	15.99	2467.	3.532
920.	15.97	2468.	3.565
921.	16.02	2469.	3.573
922.	16.	2470.	3.544
923.	15.97	2471.	3.548
924.	16.02	2472.	3.509
925.	16.04	2473.	3.497
926.	16.03	2474.	3.526
927.	16.01	2475.	3.517
928.	16.03	2476.	3.536
929.	16.02	2477.	3.541
930.	16.04	2478.	3.502
931.	16.08	2479.	3.549
932.	16.02	2480.	3.562
933.	16.05	2481.	3.503
934.	16.1	2482.	3.508
935.	16.08	2483.	3.503
936.	16.1	2484.	3.484
937.	16.09	2485.	3.519
938.	16.09	2486.	3.49
939.	16.1	2487.	3.531
940.	16.09	2488.	3.499
941.	16.08	2489.	3.497
942.	16.1	2490.	3.51
943.	16.1	2491.	3.485
944.	16.11	2492.	3.525
945.	16.12	2493.	3.455
946.	16.12	2494.	3.484
947.	16.14	2495.	3.501
948.	16.12	2496.	3.48
949.	16.15	2497.	3.484
950.	16.14	2498.	3.463
951.	16.13	2499.	3.495
952.	16.14	2500.	3.507
953.	16.14	2501.	3.449
954.	16.11	2502.	3.47
955.	16.17	2503.	3.476
956.	16.12	2504.	3.449

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	16.19	2505.	3.481
958.	16.17	2506.	3.452
959.	16.18	2507.	3.46
960.	16.2	2508.	3.444
961.	16.17	2509.	3.441
962.	16.18	2510.	3.43
963.	16.19	2511.	3.428
964.	16.21	2512.	3.435
965.	16.18	2513.	3.417
966.	16.23	2514.	3.452
967.	16.22	2515.	3.457
968.	16.21	2516.	3.444
969.	16.19	2517.	3.421
970.	16.24	2518.	3.446
971.	16.22	2519.	3.449
972.	16.21	2520.	3.391
973.	16.22	2521.	3.427
974.	16.24	2522.	3.407
975.	16.24	2523.	3.412
976.	16.26	2524.	3.406
977.	16.29	2525.	3.411
978.	16.27	2526.	3.388
979.	16.27	2527.	3.406
980.	16.23	2528.	3.422
981.	16.27	2529.	3.384
982.	16.26	2530.	3.4
983.	16.27	2531.	3.371
984.	16.27	2532.	3.386
985.	16.3	2533.	3.426
986.	16.31	2534.	3.375
987.	16.32	2535.	3.392
988.	16.31	2536.	3.371
989.	16.29	2537.	3.401
990.	16.32	2538.	3.39
991.	16.33	2539.	3.36
992.	16.33	2540.	3.386
993.	16.3	2541.	3.364
994.	16.33	2542.	3.372
995.	16.32	2543.	3.339
996.	16.31	2544.	3.38
997.	16.33	2545.	3.325
998.	16.34	2546.	3.33
999.	16.32	2547.	3.346
1000.	16.37	2548.	3.328
1001.	16.37	2549.	3.358
1002.	16.36	2550.	3.358
1003.	16.39	2551.	3.348
1004.	16.36	2552.	3.335
1005.	16.36	2553.	3.341
1006.	16.38	2554.	3.346
1007.	16.38	2555.	3.314
1008.	16.38	2556.	3.321
1009.	16.38	2557.	3.284
1010.	16.39	2558.	3.339
1011.	16.39	2559.	3.302
1012.	16.4	2560.	3.311
1013.	16.44	2561.	3.321
1014.	16.42	2562.	3.335
1015.	16.4	2563.	3.315
1016.	16.38	2564.	3.333
1017.	16.4	2565.	3.332
1018.	16.42	2566.	3.306
1019.	16.44	2567.	3.319
1020.	16.46	2568.	3.298
1021.	16.47	2569.	3.3
1022.	16.44	2570.	3.309

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	16.47	2571.	3.298
1024.	16.45	2572.	3.323
1025.	16.45	2573.	3.317
1026.	16.46	2574.	3.298
1027.	16.47	2575.	3.261
1028.	16.48	2576.	3.315
1029.	16.45	2577.	3.303
1030.	16.5	2578.	3.28
1031.	16.47	2579.	3.243
1032.	16.48	2580.	3.268
1033.	16.5	2581.	3.302
1034.	16.51	2582.	3.296
1035.	16.52	2583.	3.278
1036.	16.54	2584.	3.294
1037.	16.51	2585.	3.264
1038.	16.54	2586.	3.257
1039.	16.55	2587.	3.287
1040.	16.5	2588.	3.292
1041.	16.55	2589.	3.251
1042.	16.5	2590.	3.221
1043.	16.52	2591.	3.245
1044.	16.54	2592.	3.25
1045.	16.55	2593.	3.237
1046.	16.55	2594.	3.28
1047.	16.54	2595.	3.242
1048.	16.56	2596.	3.253
1049.	16.55	2597.	3.243
1050.	16.58	2598.	3.263
1051.	16.57	2599.	3.245
1052.	16.57	2600.	3.278
1053.	16.56	2601.	3.248
1054.	16.58	2602.	3.222
1055.	16.58	2603.	3.23
1056.	16.59	2604.	3.235
1057.	16.6	2605.	3.219
1058.	16.58	2606.	3.205
1059.	16.58	2607.	3.235
1060.	16.64	2608.	3.222
1061.	16.59	2609.	3.206
1062.	16.6	2610.	3.19
1063.	16.64	2611.	3.243
1064.	16.61	2612.	3.214
1065.	16.6	2613.	3.194
1066.	16.63	2614.	3.214
1067.	16.64	2615.	3.188
1068.	16.62	2616.	3.21
1069.	16.64	2617.	3.203
1070.	16.66	2618.	3.216
1071.	16.62	2619.	3.2
1072.	16.66	2620.	3.205
1073.	16.66	2621.	3.183
1074.	16.66	2622.	3.206
1075.	16.69	2623.	3.202
1076.	16.68	2624.	3.197
1077.	16.65	2625.	3.175
1078.	16.67	2626.	3.179
1079.	16.68	2627.	3.153
1080.	16.66	2628.	3.135
1081.	16.68	2629.	3.169
1082.	16.71	2630.	3.197
1083.	16.69	2631.	3.16
1084.	16.7	2632.	3.176
1085.	16.72	2633.	3.176
1086.	16.73	2634.	3.168
1087.	16.7	2635.	3.163
1088.	16.73	2636.	3.162

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	16.7	2637.	3.166
1090.	16.74	2638.	3.15
1091.	16.73	2639.	3.169
1092.	16.73	2640.	3.129
1093.	16.72	2641.	3.118
1094.	16.72	2642.	3.134
1095.	16.73	2643.	3.105
1096.	16.77	2644.	3.116
1097.	16.78	2645.	3.123
1098.	16.74	2646.	3.14
1099.	16.76	2647.	3.132
1100.	16.78	2648.	3.129
1101.	16.74	2649.	3.129
1102.	16.77	2650.	3.118
1103.	16.77	2651.	3.142
1104.	16.8	2652.	3.11
1105.	16.78	2653.	3.093
1106.	16.78	2654.	3.134
1107.	16.78	2655.	3.092
1108.	16.77	2656.	3.07
1109.	16.81	2657.	3.147
1110.	16.81	2658.	3.105
1111.	16.79	2659.	3.112
1112.	16.78	2660.	3.11
1113.	16.82	2661.	3.093
1114.	16.82	2662.	3.099
1115.	16.82	2663.	3.06
1116.	16.81	2664.	3.126
1117.	16.82	2665.	3.073
1118.	16.82	2666.	3.082
1119.	16.83	2667.	3.104
1120.	16.83	2668.	3.08
1121.	16.81	2669.	3.064
1122.	16.83	2670.	3.065
1123.	16.83	2671.	3.113
1124.	16.85	2672.	3.078
1125.	16.85	2673.	3.098
1126.	16.86	2674.	3.069
1127.	16.82	2675.	3.069
1128.	16.83	2676.	3.097
1129.	16.84	2677.	3.087
1130.	16.84	2678.	3.041
1131.	16.88	2679.	3.065
1132.	16.87	2680.	3.072
1133.	16.89	2681.	3.061
1134.	16.86	2682.	3.045
1135.	16.89	2683.	3.057
1136.	16.89	2684.	3.058
1137.	16.89	2685.	3.042
1138.	16.89	2686.	3.051
1139.	16.91	2687.	3.007
1140.	16.91	2688.	3.055
1141.	16.9	2689.	3.028
1142.	16.92	2690.	3.053
1143.	16.92	2691.	3.018
1144.	16.94	2692.	3.027
1145.	16.95	2693.	3.031
1146.	16.92	2694.	3.044
1147.	16.94	2695.	3.047
1148.	16.92	2696.	3.024
1149.	16.93	2697.	3.049
1150.	16.95	2698.	3.054
1151.	16.94	2699.	3.046
1152.	16.94	2700.	3.002
1153.	16.95	2701.	2.974
1154.	16.97	2702.	2.995

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	16.95	2703.	3.024
1156.	16.92	2704.	3.032
1157.	16.95	2705.	3.018
1158.	16.98	2706.	3.002
1159.	17.	2707.	2.996
1160.	16.98	2708.	3.004
1161.	16.97	2709.	2.983
1162.	17.01	2710.	3.018
1163.	16.99	2711.	3.006
1164.	16.98	2712.	3.015
1165.	16.98	2713.	2.992
1166.	17.01	2714.	2.986
1167.	17.	2715.	3.018
1168.	17.01	2716.	2.967
1169.	17.01	2717.	3.002
1170.	17.01	2718.	2.957
1171.	17.03	2719.	2.983
1172.	17.01	2720.	2.951
1173.	17.01	2721.	2.963
1174.	17.02	2722.	2.954
1175.	17.03	2723.	2.977
1176.	17.03	2724.	2.929
1177.	17.05	2725.	2.972
1178.	17.02	2726.	2.944
1179.	17.05	2727.	2.982
1180.	17.01	2728.	2.98
1181.	16.99	2729.	2.938
1182.	16.95	2730.	2.975
1183.	16.86	2731.	2.961
1184.	16.84	2732.	2.938
1185.	16.77	2733.	2.958
1186.	16.72	2734.	2.966
1187.	16.7	2735.	2.958
1188.	16.64	2736.	2.952
1189.	16.59	2737.	2.937
1190.	16.55	2738.	2.94
1191.	16.47	2739.	2.934
1192.	16.45	2740.	2.919
1193.	16.42	2741.	2.927
1194.	16.39	2742.	2.944
1195.	16.35	2743.	2.929
1196.	16.3	2744.	2.919
1197.	16.26	2745.	2.981
1198.	16.26	2746.	2.951
1199.	16.24	2747.	2.906
1200.	16.19	2748.	2.932
1201.	16.17	2749.	2.919
1202.	16.14	2750.	2.934
1203.	16.17	2751.	2.936
1204.	16.13	2752.	2.932
1205.	16.1	2753.	2.92
1206.	16.07	2754.	2.934
1207.	16.03	2755.	2.91
1208.	16.01	2756.	2.894
1209.	15.99	2757.	2.915
1210.	16.02	2758.	2.918
1211.	15.97	2759.	2.914
1212.	15.96	2760.	2.91
1213.	15.93	2761.	2.894
1214.	15.94	2762.	2.905
1215.	15.9	2763.	2.899
1216.	15.88	2764.	2.875
1217.	15.89	2765.	2.883
1218.	15.88	2766.	2.885
1219.	15.84	2767.	2.887
1220.	15.84	2768.	2.871

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	15.85	2769.	2.861
1222.	15.79	2770.	2.89
1223.	15.8	2771.	2.854
1224.	15.78	2772.	2.876
1225.	15.8	2773.	2.886
1226.	15.81	2774.	2.879
1227.	15.85	2775.	2.868
1228.	15.85	2776.	2.893
1229.	15.91	2777.	2.886
1230.	15.93	2778.	2.849
1231.	15.94	2779.	2.875
1232.	15.98	2780.	2.859
1233.	16.02	2781.	2.861
1234.	16.08	2782.	2.868
1235.	16.09	2783.	2.884
1236.	16.15	2784.	2.846
1237.	16.13	2785.	2.866
1238.	16.19	2786.	2.868
1239.	16.21	2787.	2.876
1240.	16.21	2788.	2.837
1241.	16.25	2789.	2.843
1242.	16.26	2790.	2.863
1243.	16.29	2791.	2.871
1244.	16.29	2792.	2.855
1245.	16.35	2793.	2.846
1246.	16.36	2794.	2.846
1247.	16.39	2795.	2.831
1248.	16.4	2796.	2.846
1249.	16.42	2797.	2.825
1250.	16.43	2798.	2.801
1251.	16.48	2799.	2.848
1252.	16.47	2800.	2.833
1253.	16.51	2801.	2.844
1254.	16.49	2802.	2.834
1255.	16.52	2803.	2.819
1256.	16.53	2804.	2.813
1257.	16.53	2805.	2.844
1258.	16.56	2806.	2.806
1259.	16.54	2807.	2.85
1260.	16.59	2808.	2.805
1261.	16.61	2809.	2.84
1262.	16.63	2810.	2.806
1263.	16.59	2811.	2.806
1264.	16.63	2812.	2.848
1265.	16.63	2813.	2.844
1266.	16.66	2814.	2.814
1267.	16.65	2815.	2.816
1268.	16.68	2816.	2.816
1269.	16.7	2817.	2.817
1270.	16.68	2818.	2.79
1271.	16.71	2819.	2.769
1272.	16.73	2820.	2.812
1273.	16.72	2821.	2.788
1274.	16.73	2822.	2.805
1275.	16.75	2823.	2.832
1276.	16.78	2824.	2.813
1277.	16.75	2825.	2.783
1278.	16.78	2826.	2.775
1279.	16.8	2827.	2.81
1280.	16.84	2828.	2.793
1281.	16.84	2829.	2.782
1282.	16.84	2830.	2.793
1283.	16.85	2831.	2.821
1284.	16.84	2832.	2.778
1285.	16.85	2833.	2.775
1286.	16.89	2834.	2.778

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	16.88	2835.	2.798
1288.	16.88	2836.	2.771
1289.	16.88	2837.	2.829
1290.	16.91	2838.	2.784
1291.	16.92	2839.	2.772
1292.	16.89	2840.	2.791
1293.	16.88	2841.	2.785
1294.	16.92	2842.	2.766
1295.	16.92	2843.	2.744
1296.	16.92	2844.	2.766
1297.	16.95	2845.	2.773
1298.	16.92	2846.	2.747
1299.	16.94	2847.	2.77
1300.	16.95	2848.	2.732
1301.	16.97	2849.	2.739
1302.	16.96	2850.	2.756
1303.	16.97	2851.	2.761
1304.	16.94	2852.	2.719
1305.	16.97	2853.	2.754
1306.	16.97	2854.	2.76
1307.	16.97	2855.	2.734
1308.	16.99	2856.	2.738
1309.	16.98	2857.	2.761
1310.	17.	2858.	2.74
1311.	17.	2859.	2.752
1312.	17.02	2860.	2.711
1313.	17.02	2861.	2.765
1314.	17.02	2862.	2.736
1315.	17.01	2863.	2.748
1316.	17.02	2864.	2.766
1317.	17.02	2865.	2.718
1318.	17.02	2866.	2.726
1319.	17.05	2867.	2.736
1320.	17.04	2868.	2.729
1321.	17.04	2869.	2.708
1322.	17.09	2870.	2.714
1323.	17.1	2871.	2.741
1324.	17.09	2872.	2.739
1325.	17.06	2873.	2.729
1326.	17.08	2874.	2.726
1327.	17.12	2875.	2.722
1328.	17.08	2876.	2.737
1329.	17.08	2877.	2.744
1330.	17.08	2878.	2.712
1331.	17.1	2879.	2.711
1332.	17.13	2880.	2.717
1333.	17.14	2881.	2.685
1334.	17.13	2882.	2.716
1335.	17.13	2883.	2.701
1336.	17.14	2884.	2.687
1337.	17.17	2885.	2.68
1338.	17.18	2886.	2.711
1339.	17.1	2887.	2.674
1340.	17.15	2888.	2.683
1341.	17.14	2889.	2.704
1342.	17.18	2890.	2.689
1343.	17.19	2891.	2.645
1344.	17.18	2892.	2.688
1345.	17.19	2893.	2.678
1346.	17.21	2894.	2.686
1347.	17.2	2895.	2.669
1348.	17.23	2896.	2.668
1349.	17.2	2897.	2.687
1350.	17.22	2898.	2.679
1351.	17.23	2899.	2.678
1352.	17.23	2900.	2.686

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	17.26	2901.	2.657
1354.	17.23	2902.	2.683
1355.	17.25	2903.	2.674
1356.	17.23	2904.	2.674
1357.	17.25	2905.	2.656
1358.	17.26	2906.	2.686
1359.	17.25	2907.	2.645
1360.	17.24	2908.	2.685
1361.	17.27	2909.	2.669
1362.	17.28	2910.	2.651
1363.	17.29	2911.	2.661
1364.	17.29	2912.	2.65
1365.	17.3	2913.	2.675
1366.	17.28	2914.	2.62
1367.	17.29	2915.	2.661
1368.	17.33	2916.	2.67
1369.	17.29	2917.	2.657
1370.	17.3	2918.	2.639
1371.	17.3	2919.	2.672
1372.	17.31	2920.	2.645
1373.	17.33	2921.	2.657
1374.	17.33	2922.	2.669
1375.	17.33	2923.	2.633
1376.	17.34	2924.	2.64
1377.	17.36	2925.	2.624
1378.	17.34	2926.	2.635
1379.	17.35	2927.	2.659
1380.	17.35	2928.	2.636
1381.	17.37	2929.	2.628
1382.	17.34	2930.	2.642
1383.	17.38	2931.	2.627
1384.	17.36	2932.	2.62
1385.	17.35	2933.	2.638
1386.	17.38	2934.	2.627
1387.	17.32	2935.	2.661
1388.	17.33	2936.	2.642
1389.	17.33	2937.	2.618
1390.	17.33	2938.	2.621
1391.	17.34	2939.	2.662
1392.	17.32	2940.	2.619
1393.	17.35	2941.	2.649
1394.	17.32	2942.	2.63
1395.	17.38	2943.	2.61
1396.	17.33	2944.	2.575
1397.	17.35	2945.	2.605
1398.	17.35	2946.	2.614
1399.	17.33	2947.	2.63
1400.	17.35	2948.	2.618
1401.	17.35	2949.	2.629
1402.	17.34	2950.	2.612
1403.	17.33	2951.	2.604
1404.	17.34	2952.	2.617
1405.	17.34	2953.	2.588
1406.	17.32	2954.	2.627
1407.	17.33	2955.	2.64
1408.	17.34	2956.	2.608
1409.	17.35	2957.	2.604
1410.	17.37	2958.	2.579
1411.	17.33	2959.	2.594
1412.	17.32	2960.	2.624
1413.	17.35	2961.	2.618
1414.	17.33	2962.	2.599
1415.	17.32	2963.	2.592
1416.	17.34	2964.	2.603
1417.	17.33	2965.	2.597
1418.	17.35	2966.	2.59

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	17.35	2967.	2.59
1420.	17.33	2968.	2.605
1421.	17.31	2969.	2.599
1422.	17.35	2970.	2.614
1423.	17.33	2971.	2.628
1424.	17.35	2972.	2.571
1425.	17.34	2973.	2.571
1426.	17.35	2974.	2.599
1427.	17.32	2975.	2.569
1428.	17.33	2976.	2.577
1429.	17.36	2977.	2.569
1430.	17.35	2978.	2.599
1431.	17.33	2979.	2.564
1432.	17.34	2980.	2.589
1433.	17.31	2981.	2.579
1434.	17.34	2982.	2.583
1435.	17.33	2983.	2.611
1436.	17.33	2984.	2.578
1437.	17.34	2985.	2.563
1438.	17.34	2986.	2.592
1439.	17.33	2987.	2.598
1440.	17.34	2988.	2.567
1441.	17.34	2989.	2.546
1442.	17.32	2990.	2.599
1443.	17.34	2991.	2.552
1444.	17.36	2992.	2.58
1445.	17.33	2993.	2.584
1446.	17.27	2994.	2.578
1447.	17.22	2995.	2.558
1448.	17.11	2996.	2.559
1449.	17.02	2997.	2.556
1450.	16.95	2998.	2.559
1451.	16.82	2999.	2.579
1452.	16.77	3000.	2.55
1453.	16.68	3001.	2.569
1454.	16.62	3002.	2.574
1455.	16.49	3003.	2.569
1456.	16.41	3004.	2.589
1457.	16.33	3005.	2.562
1458.	16.23	3006.	2.556
1459.	16.15	3007.	2.576
1460.	16.04	3008.	2.578
1461.	15.97	3009.	2.547
1462.	15.91	3010.	2.546
1463.	15.81	3011.	2.547
1464.	15.73	3012.	2.556
1465.	15.66	3013.	2.558
1466.	15.61	3014.	2.535
1467.	15.54	3015.	2.543
1468.	15.44	3016.	2.528
1469.	15.34	3017.	2.563
1470.	15.29	3018.	2.559
1471.	15.17	3019.	2.546
1472.	15.13	3020.	2.552
1473.	15.09	3021.	2.517
1474.	15.02	3022.	2.584
1475.	14.95	3023.	2.545
1476.	14.86	3024.	2.527
1477.	14.79	3025.	2.539
1478.	14.73	3026.	2.553
1479.	14.66	3027.	2.525
1480.	14.57	3028.	2.527
1481.	14.54	3029.	2.549
1482.	14.46	3030.	2.51
1483.	14.42	3031.	2.533
1484.	14.39	3032.	2.541

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	14.26	3033.	2.53
1486.	14.23	3034.	2.536
1487.	14.13	3035.	2.492
1488.	14.11	3036.	2.535
1489.	14.01	3037.	2.502
1490.	13.97	3038.	2.531
1491.	13.92	3039.	2.515
1492.	13.85	3040.	2.536
1493.	13.79	3041.	2.527
1494.	13.72	3042.	2.536
1495.	13.7	3043.	2.539
1496.	13.68	3044.	2.519
1497.	13.6	3045.	2.504
1498.	13.54	3046.	2.519
1499.	13.46	3047.	2.497
1500.	13.41	3048.	2.496
1501.	13.38	3049.	2.515
1502.	13.29	3050.	2.487
1503.	13.27	3051.	2.527
1504.	13.2	3052.	2.497
1505.	13.18	3053.	2.5
1506.	13.11	3054.	2.53
1507.	13.09	3055.	2.506
1508.	13.04	3056.	2.509
1509.	13.	3057.	2.51
1510.	12.93	3058.	2.528
1511.	12.87	3059.	2.467
1512.	12.83	3060.	2.503
1513.	12.76	3061.	2.503
1514.	12.75	3062.	2.513
1515.	12.7	3063.	2.507
1516.	12.62	3064.	2.473
1517.	12.6	3065.	2.488
1518.	12.52	3066.	2.47
1519.	12.52	3067.	2.508
1520.	12.47	3068.	2.492
1521.	12.38	3069.	2.478
1522.	12.37	3070.	2.48
1523.	12.33	3071.	2.526
1524.	12.3	3072.	2.527
1525.	12.25	3073.	2.51
1526.	12.2	3074.	2.464
1527.	12.13	3075.	2.472
1528.	12.11	3076.	2.522
1529.	12.1	3077.	2.495
1530.	12.04	3078.	2.479
1531.	12.02	3079.	2.44
1532.	11.94	3080.	2.48
1533.	11.95	3081.	2.5
1534.	11.86	3082.	2.483
1535.	11.86	3083.	2.489
1536.	11.81	3084.	2.449
1537.	11.76	3085.	2.473
1538.	11.74	3086.	2.478
1539.	11.71	3087.	2.458
1540.	11.62	3088.	2.487
1541.	11.63	3089.	2.462
1542.	11.61	3090.	2.472
1543.	11.57	3091.	2.447
1544.	11.52	3092.	2.418
1545.	11.5	3093.	2.452
1546.	11.42	3094.	2.417
1547.	11.41	3095.	2.453
1548.	11.39		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1292.4	ft^2/day
S	0.0001072	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.16 ft/day (0.005699 cm/sec)
Ss = S/b = 1.34E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1302.4	2.303	+/- 4.516	565.5	ft^2/day
S	7.631E-5	3.743E-7	+/- 7.34E-7	203.9	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.28 ft/day (0.005743 cm/sec)
Ss = S/b = 9.539E-7 1/ft

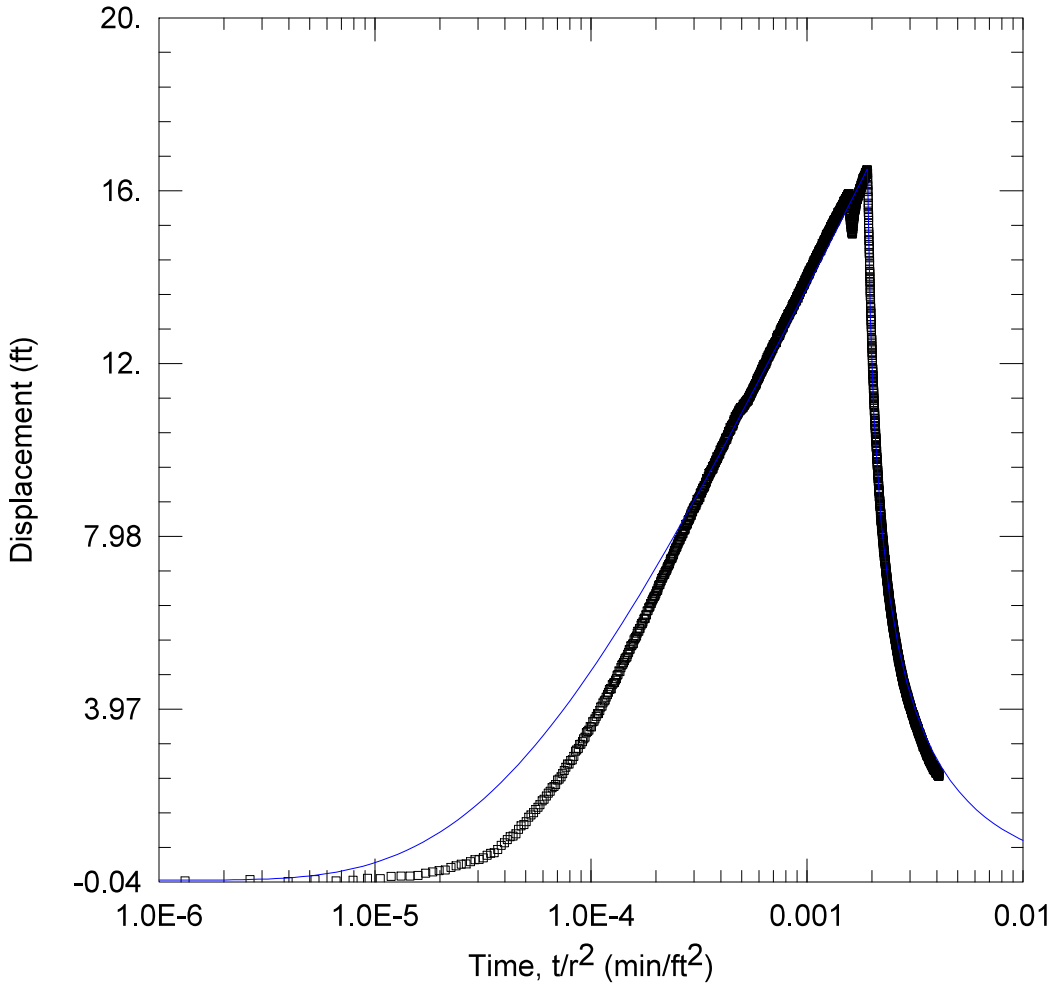
Parameter Correlations

	T	S
T	1.00	-0.86
S	-0.86	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 490.2 ft^2
Variance . . . . . 0.1585 ft^2
Std. Deviation . . . . . 0.3981 ft
Mean . . . . . -0.1211 ft
No. of Residuals 3095
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW19.aqt
Date: 04/11/25 Time: 12:07:43

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW19	332	937

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1318.9 ft^2/day
S = 8.667E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 10:55:44

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW19

X Location: 332. ft
Y Location: 937. ft

Radial distance from BM 1B: 869.5084818 ft
Radial distance from BM2A: 1185.487663 ft
Radial distance from BM3: 391.3425609 ft
Radial distance from BM 4 : 521.5179767 ft
Radial distance from BM5: 535.690209 ft
Radial distance from BM 6: 779.6595411 ft
Radial distance from BM7: 1137.615489 ft
Radial distance from BM9: 1814.952341 ft

Fully Penetrating Well

No. of Observations: 3089

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.01974	1546.	11.13
2.	0.01027	1547.	11.13
3.	-0.03054	1548.	11.07
4.	0.0131	1549.	11.03
5.	-0.01787	1550.	11.02
6.	-0.005029	1551.	11.
7.	0.04344	1552.	10.98
8.	0.03093	1553.	10.89
9.	0.08286	1554.	10.89
10.	0.09684	1555.	10.85
11.	0.09406	1556.	10.85
12.	0.1116	1557.	10.78
13.	0.1583	1558.	10.82
14.	0.1885	1559.	10.78
15.	0.2163	1560.	10.72
16.	0.2363	1561.	10.7
17.	0.295	1562.	10.65
18.	0.3293	1563.	10.62
19.	0.3713	1564.	10.61
20.	0.3733	1565.	10.55
21.	0.4304	1566.	10.54
22.	0.4697	1567.	10.53
23.	0.4818	1568.	10.48
24.	0.5195	1569.	10.47
25.	0.5747	1570.	10.45
26.	0.6231	1571.	10.36
27.	0.6337	1572.	10.39
28.	0.7107	1573.	10.36
29.	0.8032	1574.	10.33
30.	0.8655	1575.	10.28
31.	0.9432	1576.	10.28
32.	1.009	1577.	10.25

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.018	1578.	10.26
34.	1.071	1579.	10.22
35.	1.178	1580.	10.2
36.	1.256	1581.	10.16
37.	1.288	1582.	10.15
38.	1.353	1583.	10.08
39.	1.462	1584.	10.05
40.	1.511	1585.	10.05
41.	1.563	1586.	10.02
42.	1.639	1587.	10.03
43.	1.696	1588.	9.971
44.	1.756	1589.	9.946
45.	1.841	1590.	9.958
46.	1.876	1591.	9.883
47.	1.946	1592.	9.891
48.	2.02	1593.	9.842
49.	2.062	1594.	9.813
50.	2.139	1595.	9.816
51.	2.173	1596.	9.758
52.	2.216	1597.	9.754
53.	2.322	1598.	9.772
54.	2.34	1599.	9.757
55.	2.393	1600.	9.694
56.	2.472	1601.	9.683
57.	2.541	1602.	9.65
58.	2.614	1603.	9.633
59.	2.688	1604.	9.609
60.	2.689	1605.	9.592
61.	2.775	1606.	9.582
62.	2.785	1607.	9.569
63.	2.866	1608.	9.517
64.	2.988	1609.	9.493
65.	3.016	1610.	9.503
66.	3.056	1611.	9.467
67.	3.146	1612.	9.426
68.	3.154	1613.	9.407
69.	3.212	1614.	9.395
70.	3.274	1615.	9.378
71.	3.313	1616.	9.363
72.	3.419	1617.	9.314
73.	3.449	1618.	9.307
74.	3.479	1619.	9.32
75.	3.559	1620.	9.245
76.	3.549	1621.	9.249
77.	3.67	1622.	9.247
78.	3.687	1623.	9.205
79.	3.737	1624.	9.159
80.	3.8	1625.	9.163
81.	3.856	1626.	9.165
82.	3.868	1627.	9.15
83.	3.928	1628.	9.082
84.	4.01	1629.	9.048
85.	4.035	1630.	9.072
86.	4.106	1631.	9.034
87.	4.156	1632.	9.004
88.	4.175	1633.	9.001
89.	4.241	1634.	9.015
90.	4.299	1635.	9.035
91.	4.351	1636.	8.962
92.	4.422	1637.	8.891
93.	4.432	1638.	8.907
94.	4.438	1639.	8.875
95.	4.53	1640.	8.887
96.	4.57	1641.	8.876
97.	4.587	1642.	8.872
98.	4.633	1643.	8.803

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	4.672	1644.	8.821
100.	4.741	1645.	8.744
101.	4.772	1646.	8.795
102.	4.852	1647.	8.758
103.	4.833	1648.	8.726
104.	4.923	1649.	8.719
105.	4.986	1650.	8.705
106.	5.01	1651.	8.688
107.	5.044	1652.	8.655
108.	5.088	1653.	8.667
109.	5.134	1654.	8.659
110.	5.155	1655.	8.604
111.	5.181	1656.	8.612
112.	5.239	1657.	8.573
113.	5.284	1658.	8.552
114.	5.34	1659.	8.502
115.	5.352	1660.	8.5
116.	5.433	1661.	8.53
117.	5.435	1662.	8.51
118.	5.473	1663.	8.49
119.	5.492	1664.	8.479
120.	5.57	1665.	8.43
121.	5.602	1666.	8.425
122.	5.633	1667.	8.414
123.	5.657	1668.	8.356
124.	5.726	1669.	8.353
125.	5.769	1670.	8.338
126.	5.772	1671.	8.327
127.	5.827	1672.	8.337
128.	5.837	1673.	8.302
129.	5.914	1674.	8.301
130.	5.95	1675.	8.299
131.	5.95	1676.	8.235
132.	5.989	1677.	8.275
133.	6.055	1678.	8.233
134.	6.079	1679.	8.263
135.	6.067	1680.	8.21
136.	6.148	1681.	8.205
137.	6.153	1682.	8.18
138.	6.237	1683.	8.168
139.	6.257	1684.	8.152
140.	6.316	1685.	8.117
141.	6.328	1686.	8.156
142.	6.351	1687.	8.117
143.	6.412	1688.	8.089
144.	6.421	1689.	8.077
145.	6.468	1690.	8.061
146.	6.502	1691.	8.087
147.	6.53	1692.	8.041
148.	6.565	1693.	8.
149.	6.577	1694.	8.004
150.	6.602	1695.	7.988
151.	6.642	1696.	7.975
152.	6.694	1697.	7.96
153.	6.725	1698.	7.924
154.	6.723	1699.	7.923
155.	6.771	1700.	7.891
156.	6.827	1701.	7.874
157.	6.856	1702.	7.889
158.	6.857	1703.	7.873
159.	6.912	1704.	7.856
160.	6.945	1705.	7.839
161.	6.994	1706.	7.813
162.	6.995	1707.	7.809
163.	7.024	1708.	7.801
164.	7.073	1709.	7.773

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.092	1710.	7.764
166.	7.094	1711.	7.704
167.	7.136	1712.	7.75
168.	7.174	1713.	7.73
169.	7.182	1714.	7.711
170.	7.219	1715.	7.685
171.	7.257	1716.	7.683
172.	7.284	1717.	7.676
173.	7.307	1718.	7.658
174.	7.33	1719.	7.657
175.	7.344	1720.	7.596
176.	7.4	1721.	7.616
177.	7.444	1722.	7.599
178.	7.458	1723.	7.611
179.	7.458	1724.	7.606
180.	7.484	1725.	7.599
181.	7.518	1726.	7.566
182.	7.549	1727.	7.512
183.	7.583	1728.	7.501
184.	7.629	1729.	7.529
185.	7.652	1730.	7.526
186.	7.658	1731.	7.531
187.	7.703	1732.	7.476
188.	7.715	1733.	7.469
189.	7.738	1734.	7.451
190.	7.78	1735.	7.444
191.	7.803	1736.	7.442
192.	7.823	1737.	7.423
193.	7.869	1738.	7.393
194.	7.87	1739.	7.382
195.	7.901	1740.	7.401
196.	7.904	1741.	7.394
197.	7.96	1742.	7.372
198.	7.969	1743.	7.339
199.	7.98	1744.	7.36
200.	8.024	1745.	7.332
201.	8.04	1746.	7.314
202.	8.047	1747.	7.306
203.	8.109	1748.	7.281
204.	8.11	1749.	7.274
205.	8.148	1750.	7.268
206.	8.127	1751.	7.242
207.	8.156	1752.	7.245
208.	8.255	1753.	7.236
209.	8.224	1754.	7.256
210.	8.248	1755.	7.201
211.	8.274	1756.	7.193
212.	8.265	1757.	7.206
213.	8.341	1758.	7.152
214.	8.339	1759.	7.164
215.	8.363	1760.	7.144
216.	8.372	1761.	7.13
217.	8.404	1762.	7.144
218.	8.426	1763.	7.096
219.	8.472	1764.	7.103
220.	8.499	1765.	7.063
221.	8.459	1766.	7.078
222.	8.542	1767.	7.079
223.	8.565	1768.	7.07
224.	8.544	1769.	7.044
225.	8.604	1770.	7.06
226.	8.63	1771.	7.038
227.	8.632	1772.	7.005
228.	8.631	1773.	7.043
229.	8.657	1774.	7.018
230.	8.691	1775.	6.991

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	8.695	1776.	6.954
232.	8.697	1777.	6.98
233.	8.766	1778.	6.963
234.	8.747	1779.	6.95
235.	8.831	1780.	6.911
236.	8.798	1781.	6.933
237.	8.828	1782.	6.913
238.	8.859	1783.	6.869
239.	8.823	1784.	6.882
240.	8.871	1785.	6.852
241.	8.904	1786.	6.858
242.	8.871	1787.	6.868
243.	8.969	1788.	6.866
244.	8.978	1789.	6.84
245.	8.983	1790.	6.849
246.	8.976	1791.	6.83
247.	9.034	1792.	6.799
248.	9.032	1793.	6.803
249.	9.09	1794.	6.782
250.	9.084	1795.	6.774
251.	9.097	1796.	6.77
252.	9.112	1797.	6.761
253.	9.148	1798.	6.697
254.	9.116	1799.	6.71
255.	9.14	1800.	6.707
256.	9.192	1801.	6.691
257.	9.23	1802.	6.708
258.	9.221	1803.	6.665
259.	9.237	1804.	6.673
260.	9.313	1805.	6.668
261.	9.314	1806.	6.658
262.	9.304	1807.	6.63
263.	9.313	1808.	6.662
264.	9.362	1809.	6.663
265.	9.366	1810.	6.638
266.	9.431	1811.	6.61
267.	9.397	1812.	6.613
268.	9.447	1813.	6.581
269.	9.432	1814.	6.61
270.	9.449	1815.	6.568
271.	9.481	1816.	6.573
272.	9.48	1817.	6.553
273.	9.518	1818.	6.551
274.	9.516	1819.	6.534
275.	9.525	1820.	6.54
276.	9.595	1821.	6.536
277.	9.536	1822.	6.509
278.	9.555	1823.	6.519
279.	9.616	1824.	6.503
280.	9.617	1825.	6.481
281.	9.613	1826.	6.469
282.	9.669	1827.	6.449
283.	9.661	1828.	6.422
284.	9.691	1829.	6.458
285.	9.685	1830.	6.409
286.	9.724	1831.	6.372
287.	9.745	1832.	6.384
288.	9.738	1833.	6.392
289.	9.762	1834.	6.411
290.	9.823	1835.	6.386
291.	9.806	1836.	6.379
292.	9.78	1837.	6.404
293.	9.822	1838.	6.352
294.	9.84	1839.	6.356
295.	9.865	1840.	6.311
296.	9.872	1841.	6.33

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	9.89	1842.	6.321
298.	9.909	1843.	6.347
299.	9.889	1844.	6.33
300.	9.976	1845.	6.31
301.	9.964	1846.	6.326
302.	9.959	1847.	6.289
303.	10.	1848.	6.304
304.	10.05	1849.	6.279
305.	10.03	1850.	6.253
306.	10.03	1851.	6.242
307.	10.07	1852.	6.239
308.	10.05	1853.	6.216
309.	10.08	1854.	6.228
310.	10.08	1855.	6.251
311.	10.11	1856.	6.199
312.	10.1	1857.	6.188
313.	10.14	1858.	6.161
314.	10.15	1859.	6.17
315.	10.15	1860.	6.168
316.	10.18	1861.	6.152
317.	10.2	1862.	6.165
318.	10.24	1863.	6.152
319.	10.21	1864.	6.125
320.	10.27	1865.	6.111
321.	10.26	1866.	6.094
322.	10.22	1867.	6.124
323.	10.28	1868.	6.128
324.	10.31	1869.	6.066
325.	10.33	1870.	6.072
326.	10.32	1871.	6.088
327.	10.33	1872.	6.086
328.	10.39	1873.	6.068
329.	10.41	1874.	6.071
330.	10.41	1875.	6.081
331.	10.41	1876.	6.021
332.	10.42	1877.	6.044
333.	10.49	1878.	5.991
334.	10.43	1879.	6.013
335.	10.47	1880.	5.983
336.	10.5	1881.	5.99
337.	10.46	1882.	6.004
338.	10.53	1883.	5.981
339.	10.53	1884.	5.972
340.	10.55	1885.	5.935
341.	10.53	1886.	5.979
342.	10.55	1887.	5.927
343.	10.58	1888.	5.92
344.	10.54	1889.	5.945
345.	10.59	1890.	5.954
346.	10.58	1891.	5.947
347.	10.64	1892.	5.887
348.	10.69	1893.	5.903
349.	10.66	1894.	5.913
350.	10.66	1895.	5.863
351.	10.68	1896.	5.891
352.	10.74	1897.	5.904
353.	10.71	1898.	5.898
354.	10.75	1899.	5.851
355.	10.73	1900.	5.891
356.	10.76	1901.	5.835
357.	10.78	1902.	5.839
358.	10.78	1903.	5.821
359.	10.79	1904.	5.85
360.	10.8	1905.	5.816
361.	10.8	1906.	5.818
362.	10.82	1907.	5.809

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	10.84	1908.	5.75
364.	10.83	1909.	5.814
365.	10.87	1910.	5.775
366.	10.86	1911.	5.767
367.	10.9	1912.	5.778
368.	10.89	1913.	5.777
369.	10.89	1914.	5.743
370.	10.89	1915.	5.735
371.	10.93	1916.	5.745
372.	10.93	1917.	5.727
373.	10.96	1918.	5.723
374.	10.92	1919.	5.745
375.	10.94	1920.	5.685
376.	10.95	1921.	5.704
377.	10.93	1922.	5.728
378.	10.96	1923.	5.697
379.	10.98	1924.	5.721
380.	10.94	1925.	5.673
381.	10.99	1926.	5.666
382.	10.99	1927.	5.678
383.	10.96	1928.	5.638
384.	11.03	1929.	5.663
385.	11.03	1930.	5.632
386.	11.	1931.	5.663
387.	11.04	1932.	5.639
388.	11.05	1933.	5.627
389.	11.01	1934.	5.633
390.	11.06	1935.	5.61
391.	11.04	1936.	5.617
392.	11.05	1937.	5.624
393.	11.07	1938.	5.594
394.	11.09	1939.	5.581
395.	11.08	1940.	5.571
396.	11.09	1941.	5.574
397.	11.11	1942.	5.544
398.	11.09	1943.	5.529
399.	11.13	1944.	5.51
400.	11.13	1945.	5.57
401.	11.1	1946.	5.562
402.	11.15	1947.	5.514
403.	11.16	1948.	5.517
404.	11.16	1949.	5.533
405.	11.12	1950.	5.498
406.	11.17	1951.	5.555
407.	11.19	1952.	5.495
408.	11.19	1953.	5.477
409.	11.21	1954.	5.475
410.	11.23	1955.	5.45
411.	11.2	1956.	5.497
412.	11.21	1957.	5.479
413.	11.23	1958.	5.461
414.	11.26	1959.	5.445
415.	11.25	1960.	5.458
416.	11.29	1961.	5.441
417.	11.28	1962.	5.464
418.	11.31	1963.	5.441
419.	11.3	1964.	5.437
420.	11.32	1965.	5.423
421.	11.32	1966.	5.426
422.	11.34	1967.	5.398
423.	11.36	1968.	5.39
424.	11.36	1969.	5.41
425.	11.37	1970.	5.42
426.	11.4	1971.	5.379
427.	11.4	1972.	5.39
428.	11.39	1973.	5.321

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	11.41	1974.	5.362
430.	11.43	1975.	5.361
431.	11.44	1976.	5.324
432.	11.45	1977.	5.331
433.	11.47	1978.	5.365
434.	11.46	1979.	5.325
435.	11.47	1980.	5.305
436.	11.51	1981.	5.332
437.	11.49	1982.	5.301
438.	11.52	1983.	5.296
439.	11.49	1984.	5.294
440.	11.52	1985.	5.307
441.	11.52	1986.	5.262
442.	11.55	1987.	5.296
443.	11.57	1988.	5.263
444.	11.59	1989.	5.27
445.	11.63	1990.	5.254
446.	11.59	1991.	5.254
447.	11.61	1992.	5.226
448.	11.62	1993.	5.224
449.	11.64	1994.	5.249
450.	11.65	1995.	5.217
451.	11.64	1996.	5.243
452.	11.65	1997.	5.192
453.	11.69	1998.	5.197
454.	11.69	1999.	5.234
455.	11.67	2000.	5.204
456.	11.69	2001.	5.203
457.	11.71	2002.	5.224
458.	11.73	2003.	5.196
459.	11.74	2004.	5.155
460.	11.73	2005.	5.158
461.	11.77	2006.	5.138
462.	11.77	2007.	5.161
463.	11.78	2008.	5.127
464.	11.79	2009.	5.125
465.	11.83	2010.	5.12
466.	11.79	2011.	5.157
467.	11.79	2012.	5.089
468.	11.86	2013.	5.126
469.	11.82	2014.	5.148
470.	11.85	2015.	5.099
471.	11.83	2016.	5.108
472.	11.86	2017.	5.13
473.	11.88	2018.	5.11
474.	11.92	2019.	5.075
475.	11.87	2020.	5.089
476.	11.89	2021.	5.082
477.	11.91	2022.	5.065
478.	11.93	2023.	5.034
479.	11.96	2024.	5.063
480.	11.92	2025.	5.071
481.	11.96	2026.	5.023
482.	11.93	2027.	5.048
483.	11.96	2028.	5.05
484.	11.97	2029.	5.035
485.	11.99	2030.	5.004
486.	11.96	2031.	5.016
487.	12.	2032.	5.003
488.	11.99	2033.	5.042
489.	11.98	2034.	4.991
490.	12.03	2035.	5.018
491.	12.07	2036.	4.997
492.	12.08	2037.	4.98
493.	12.05	2038.	4.973
494.	12.04	2039.	4.989

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	12.09	2040.	4.966
496.	12.13	2041.	4.978
497.	12.11	2042.	4.999
498.	12.12	2043.	4.967
499.	12.13	2044.	4.934
500.	12.13	2045.	4.96
501.	12.17	2046.	4.939
502.	12.15	2047.	4.967
503.	12.14	2048.	4.911
504.	12.18	2049.	4.948
505.	12.16	2050.	4.92
506.	12.19	2051.	4.923
507.	12.22	2052.	4.896
508.	12.23	2053.	4.921
509.	12.2	2054.	4.917
510.	12.2	2055.	4.922
511.	12.26	2056.	4.882
512.	12.25	2057.	4.902
513.	12.25	2058.	4.87
514.	12.24	2059.	4.844
515.	12.27	2060.	4.872
516.	12.26	2061.	4.814
517.	12.3	2062.	4.845
518.	12.28	2063.	4.841
519.	12.28	2064.	4.843
520.	12.29	2065.	4.843
521.	12.34	2066.	4.823
522.	12.31	2067.	4.817
523.	12.35	2068.	4.836
524.	12.34	2069.	4.821
525.	12.35	2070.	4.845
526.	12.33	2071.	4.831
527.	12.37	2072.	4.846
528.	12.38	2073.	4.832
529.	12.42	2074.	4.804
530.	12.42	2075.	4.815
531.	12.39	2076.	4.783
532.	12.4	2077.	4.78
533.	12.42	2078.	4.783
534.	12.43	2079.	4.783
535.	12.42	2080.	4.747
536.	12.42	2081.	4.776
537.	12.45	2082.	4.751
538.	12.43	2083.	4.761
539.	12.47	2084.	4.783
540.	12.47	2085.	4.717
541.	12.48	2086.	4.732
542.	12.48	2087.	4.747
543.	12.5	2088.	4.707
544.	12.48	2089.	4.726
545.	12.5	2090.	4.744
546.	12.47	2091.	4.734
547.	12.55	2092.	4.727
548.	12.58	2093.	4.712
549.	12.54	2094.	4.736
550.	12.55	2095.	4.729
551.	12.58	2096.	4.703
552.	12.63	2097.	4.702
553.	12.58	2098.	4.693
554.	12.63	2099.	4.682
555.	12.6	2100.	4.699
556.	12.65	2101.	4.65
557.	12.6	2102.	4.707
558.	12.6	2103.	4.632
559.	12.63	2104.	4.702
560.	12.63	2105.	4.627

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	12.64	2106.	4.654
562.	12.64	2107.	4.654
563.	12.68	2108.	4.623
564.	12.67	2109.	4.649
565.	12.64	2110.	4.646
566.	12.69	2111.	4.634
567.	12.66	2112.	4.599
568.	12.69	2113.	4.585
569.	12.74	2114.	4.61
570.	12.74	2115.	4.63
571.	12.7	2116.	4.626
572.	12.73	2117.	4.643
573.	12.77	2118.	4.6
574.	12.73	2119.	4.596
575.	12.75	2120.	4.591
576.	12.8	2121.	4.613
577.	12.78	2122.	4.582
578.	12.77	2123.	4.574
579.	12.76	2124.	4.592
580.	12.81	2125.	4.543
581.	12.8	2126.	4.559
582.	12.82	2127.	4.548
583.	12.81	2128.	4.559
584.	12.86	2129.	4.535
585.	12.83	2130.	4.547
586.	12.85	2131.	4.554
587.	12.81	2132.	4.534
588.	12.83	2133.	4.556
589.	12.87	2134.	4.511
590.	12.87	2135.	4.545
591.	12.9	2136.	4.528
592.	12.9	2137.	4.536
593.	12.91	2138.	4.534
594.	12.92	2139.	4.497
595.	12.9	2140.	4.541
596.	12.92	2141.	4.492
597.	12.94	2142.	4.482
598.	12.96	2143.	4.51
599.	12.96	2144.	4.516
600.	12.92	2145.	4.478
601.	12.99	2146.	4.469
602.	12.98	2147.	4.5
603.	12.99	2148.	4.45
604.	12.96	2149.	4.458
605.	13.01	2150.	4.465
606.	12.99	2151.	4.431
607.	13.03	2152.	4.482
608.	13.01	2153.	4.439
609.	13.01	2154.	4.477
610.	13.04	2155.	4.46
611.	13.05	2156.	4.444
612.	13.05	2157.	4.447
613.	13.04	2158.	4.476
614.	13.06	2159.	4.448
615.	13.04	2160.	4.436
616.	13.05	2161.	4.443
617.	13.05	2162.	4.419
618.	13.12	2163.	4.428
619.	13.08	2164.	4.417
620.	13.12	2165.	4.429
621.	13.13	2166.	4.436
622.	13.1	2167.	4.415
623.	13.1	2168.	4.386
624.	13.11	2169.	4.41
625.	13.12	2170.	4.4
626.	13.13	2171.	4.373

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	13.13	2172.	4.406
628.	13.16	2173.	4.364
629.	13.17	2174.	4.367
630.	13.15	2175.	4.379
631.	13.18	2176.	4.346
632.	13.18	2177.	4.381
633.	13.2	2178.	4.327
634.	13.19	2179.	4.362
635.	13.19	2180.	4.339
636.	13.19	2181.	4.342
637.	13.21	2182.	4.38
638.	13.23	2183.	4.36
639.	13.22	2184.	4.353
640.	13.23	2185.	4.325
641.	13.25	2186.	4.341
642.	13.27	2187.	4.35
643.	13.25	2188.	4.352
644.	13.23	2189.	4.322
645.	13.25	2190.	4.293
646.	13.26	2191.	4.339
647.	13.31	2192.	4.298
648.	13.24	2193.	4.275
649.	13.32	2194.	4.302
650.	13.35	2195.	4.317
651.	13.28	2196.	4.304
652.	13.31	2197.	4.297
653.	13.33	2198.	4.281
654.	13.33	2199.	4.279
655.	13.33	2200.	4.269
656.	13.33	2201.	4.24
657.	13.38	2202.	4.278
658.	13.35	2203.	4.245
659.	13.36	2204.	4.282
660.	13.37	2205.	4.284
661.	13.34	2206.	4.285
662.	13.39	2207.	4.238
663.	13.39	2208.	4.253
664.	13.41	2209.	4.248
665.	13.39	2210.	4.241
666.	13.42	2211.	4.289
667.	13.41	2212.	4.263
668.	13.43	2213.	4.231
669.	13.45	2214.	4.252
670.	13.44	2215.	4.257
671.	13.43	2216.	4.234
672.	13.46	2217.	4.257
673.	13.46	2218.	4.235
674.	13.45	2219.	4.226
675.	13.46	2220.	4.174
676.	13.47	2221.	4.197
677.	13.51	2222.	4.204
678.	13.43	2223.	4.198
679.	13.52	2224.	4.217
680.	13.51	2225.	4.194
681.	13.53	2226.	4.177
682.	13.51	2227.	4.221
683.	13.53	2228.	4.18
684.	13.53	2229.	4.188
685.	13.54	2230.	4.156
686.	13.56	2231.	4.184
687.	13.55	2232.	4.167
688.	13.56	2233.	4.165
689.	13.62	2234.	4.127
690.	13.5	2235.	4.188
691.	13.58	2236.	4.143
692.	13.61	2237.	4.122

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	13.59	2238.	4.149
694.	13.6	2239.	4.159
695.	13.58	2240.	4.171
696.	13.59	2241.	4.121
697.	13.63	2242.	4.158
698.	13.59	2243.	4.132
699.	13.65	2244.	4.128
700.	13.59	2245.	4.118
701.	13.67	2246.	4.16
702.	13.64	2247.	4.091
703.	13.67	2248.	4.111
704.	13.64	2249.	4.126
705.	13.65	2250.	4.087
706.	13.64	2251.	4.124
707.	13.67	2252.	4.086
708.	13.71	2253.	4.102
709.	13.7	2254.	4.07
710.	13.71	2255.	4.069
711.	13.7	2256.	4.101
712.	13.73	2257.	4.116
713.	13.73	2258.	4.088
714.	13.75	2259.	4.059
715.	13.71	2260.	4.061
716.	13.71	2261.	4.056
717.	13.75	2262.	4.104
718.	13.73	2263.	4.055
719.	13.8	2264.	4.087
720.	13.72	2265.	4.058
721.	13.75	2266.	4.056
722.	13.76	2267.	4.066
723.	13.78	2268.	4.062
724.	13.79	2269.	4.05
725.	13.79	2270.	4.082
726.	13.78	2271.	4.051
727.	13.8	2272.	4.049
728.	13.8	2273.	4.019
729.	13.82	2274.	4.034
730.	13.81	2275.	4.047
731.	13.84	2276.	4.018
732.	13.85	2277.	4.044
733.	13.84	2278.	4.026
734.	13.86	2279.	4.027
735.	13.87	2280.	3.999
736.	13.81	2281.	4.028
737.	13.87	2282.	3.976
738.	13.86	2283.	4.013
739.	13.84	2284.	4.008
740.	13.87	2285.	3.997
741.	13.91	2286.	3.987
742.	13.9	2287.	4.029
743.	13.89	2288.	3.969
744.	13.94	2289.	4.001
745.	13.91	2290.	3.969
746.	13.92	2291.	3.963
747.	13.93	2292.	4.002
748.	13.92	2293.	3.971
749.	13.91	2294.	3.957
750.	13.95	2295.	3.961
751.	13.97	2296.	3.963
752.	13.96	2297.	3.991
753.	13.94	2298.	3.967
754.	13.98	2299.	3.993
755.	13.95	2300.	3.943
756.	13.97	2301.	3.954
757.	14.01	2302.	3.957
758.	13.99	2303.	3.921

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	14.01	2304.	3.957
760.	14.01	2305.	3.943
761.	14.02	2306.	3.963
762.	14.06	2307.	3.925
763.	14.01	2308.	3.919
764.	14.02	2309.	3.954
765.	14.03	2310.	3.946
766.	14.05	2311.	3.894
767.	14.06	2312.	3.908
768.	14.06	2313.	3.916
769.	14.06	2314.	3.887
770.	14.09	2315.	3.911
771.	14.1	2316.	3.889
772.	14.04	2317.	3.916
773.	14.06	2318.	3.902
774.	14.09	2319.	3.868
775.	14.13	2320.	3.91
776.	14.07	2321.	3.875
777.	14.13	2322.	3.887
778.	14.1	2323.	3.886
779.	14.11	2324.	3.881
780.	14.12	2325.	3.858
781.	14.12	2326.	3.885
782.	14.15	2327.	3.864
783.	14.14	2328.	3.843
784.	14.16	2329.	3.867
785.	14.16	2330.	3.892
786.	14.17	2331.	3.853
787.	14.18	2332.	3.824
788.	14.16	2333.	3.861
789.	14.2	2334.	3.866
790.	14.2	2335.	3.845
791.	14.2	2336.	3.829
792.	14.21	2337.	3.855
793.	14.21	2338.	3.833
794.	14.2	2339.	3.848
795.	14.19	2340.	3.823
796.	14.22	2341.	3.821
797.	14.21	2342.	3.821
798.	14.2	2343.	3.834
799.	14.23	2344.	3.839
800.	14.22	2345.	3.841
801.	14.22	2346.	3.806
802.	14.24	2347.	3.813
803.	14.27	2348.	3.831
804.	14.24	2349.	3.818
805.	14.26	2350.	3.806
806.	14.27	2351.	3.838
807.	14.29	2352.	3.794
808.	14.28	2353.	3.801
809.	14.27	2354.	3.83
810.	14.33	2355.	3.813
811.	14.3	2356.	3.775
812.	14.3	2357.	3.821
813.	14.3	2358.	3.788
814.	14.31	2359.	3.795
815.	14.34	2360.	3.766
816.	14.32	2361.	3.792
817.	14.35	2362.	3.818
818.	14.37	2363.	3.763
819.	14.37	2364.	3.78
820.	14.32	2365.	3.788
821.	14.34	2366.	3.79
822.	14.36	2367.	3.746
823.	14.37	2368.	3.714
824.	14.38	2369.	3.756

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	14.39	2370.	3.761
826.	14.39	2371.	3.78
827.	14.37	2372.	3.743
828.	14.43	2373.	3.762
829.	14.4	2374.	3.718
830.	14.38	2375.	3.732
831.	14.44	2376.	3.736
832.	14.43	2377.	3.738
833.	14.42	2378.	3.709
834.	14.43	2379.	3.72
835.	14.42	2380.	3.713
836.	14.41	2381.	3.714
837.	14.42	2382.	3.713
838.	14.43	2383.	3.716
839.	14.46	2384.	3.686
840.	14.42	2385.	3.724
841.	14.5	2386.	3.749
842.	14.46	2387.	3.688
843.	14.49	2388.	3.694
844.	14.45	2389.	3.704
845.	14.5	2390.	3.712
846.	14.46	2391.	3.702
847.	14.51	2392.	3.693
848.	14.51	2393.	3.662
849.	14.51	2394.	3.665
850.	14.52	2395.	3.708
851.	14.51	2396.	3.67
852.	14.48	2397.	3.709
853.	14.51	2398.	3.632
854.	14.54	2399.	3.676
855.	14.53	2400.	3.657
856.	14.54	2401.	3.697
857.	14.54	2402.	3.687
858.	14.56	2403.	3.663
859.	14.57	2404.	3.666
860.	14.57	2405.	3.667
861.	14.59	2406.	3.678
862.	14.57	2407.	3.663
863.	14.58	2408.	3.662
864.	14.61	2409.	3.633
865.	14.59	2410.	3.671
866.	14.6	2411.	3.619
867.	14.61	2412.	3.653
868.	14.61	2413.	3.615
869.	14.59	2414.	3.642
870.	14.62	2415.	3.626
871.	14.59	2416.	3.615
872.	14.62	2417.	3.584
873.	14.62	2418.	3.611
874.	14.63	2419.	3.649
875.	14.63	2420.	3.634
876.	14.63	2421.	3.637
877.	14.65	2422.	3.638
878.	14.6	2423.	3.612
879.	14.65	2424.	3.599
880.	14.67	2425.	3.611
881.	14.68	2426.	3.614
882.	14.68	2427.	3.58
883.	14.7	2428.	3.592
884.	14.68	2429.	3.586
885.	14.7	2430.	3.581
886.	14.7	2431.	3.594
887.	14.7	2432.	3.6
888.	14.66	2433.	3.583
889.	14.7	2434.	3.59
890.	14.73	2435.	3.568

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	14.77	2436.	3.557
892.	14.71	2437.	3.596
893.	14.73	2438.	3.56
894.	14.73	2439.	3.56
895.	14.72	2440.	3.546
896.	14.75	2441.	3.575
897.	14.73	2442.	3.56
898.	14.77	2443.	3.58
899.	14.76	2444.	3.572
900.	14.78	2445.	3.547
901.	14.76	2446.	3.549
902.	14.77	2447.	3.536
903.	14.78	2448.	3.543
904.	14.75	2449.	3.556
905.	14.8	2450.	3.537
906.	14.8	2451.	3.516
907.	14.77	2452.	3.561
908.	14.82	2453.	3.553
909.	14.78	2454.	3.556
910.	14.84	2455.	3.498
911.	14.83	2456.	3.527
912.	14.84	2457.	3.501
913.	14.86	2458.	3.504
914.	14.83	2459.	3.517
915.	14.8	2460.	3.518
916.	14.8	2461.	3.47
917.	14.83	2462.	3.508
918.	14.85	2463.	3.51
919.	14.86	2464.	3.476
920.	14.89	2465.	3.488
921.	14.86	2466.	3.516
922.	14.85	2467.	3.484
923.	14.86	2468.	3.527
924.	14.87	2469.	3.512
925.	14.88	2470.	3.491
926.	14.9	2471.	3.482
927.	14.92	2472.	3.472
928.	14.92	2473.	3.485
929.	14.9	2474.	3.503
930.	14.93	2475.	3.47
931.	14.9	2476.	3.517
932.	14.96	2477.	3.435
933.	14.92	2478.	3.437
934.	14.93	2479.	3.49
935.	14.92	2480.	3.463
936.	14.95	2481.	3.468
937.	14.92	2482.	3.507
938.	14.94	2483.	3.471
939.	14.93	2484.	3.46
940.	14.95	2485.	3.455
941.	14.95	2486.	3.432
942.	15.	2487.	3.465
943.	14.95	2488.	3.447
944.	14.98	2489.	3.465
945.	14.98	2490.	3.437
946.	14.97	2491.	3.455
947.	15.01	2492.	3.425
948.	15.	2493.	3.417
949.	15.	2494.	3.439
950.	15.	2495.	3.433
951.	14.96	2496.	3.395
952.	15.03	2497.	3.42
953.	15.05	2498.	3.414
954.	15.01	2499.	3.413
955.	15.02	2500.	3.416
956.	15.03	2501.	3.413

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	15.04	2502.	3.423
958.	15.06	2503.	3.418
959.	15.05	2504.	3.394
960.	15.04	2505.	3.399
961.	15.03	2506.	3.425
962.	15.05	2507.	3.379
963.	15.06	2508.	3.412
964.	15.08	2509.	3.382
965.	15.05	2510.	3.384
966.	15.05	2511.	3.401
967.	15.07	2512.	3.371
968.	15.1	2513.	3.382
969.	15.11	2514.	3.366
970.	15.07	2515.	3.37
971.	15.09	2516.	3.357
972.	15.1	2517.	3.384
973.	15.12	2518.	3.406
974.	15.11	2519.	3.365
975.	15.11	2520.	3.386
976.	15.1	2521.	3.36
977.	15.12	2522.	3.358
978.	15.16	2523.	3.361
979.	15.14	2524.	3.354
980.	15.15	2525.	3.355
981.	15.16	2526.	3.343
982.	15.15	2527.	3.36
983.	15.14	2528.	3.339
984.	15.15	2529.	3.336
985.	15.17	2530.	3.332
986.	15.17	2531.	3.365
987.	15.16	2532.	3.395
988.	15.12	2533.	3.325
989.	15.2	2534.	3.335
990.	15.21	2535.	3.297
991.	15.19	2536.	3.297
992.	15.2	2537.	3.308
993.	15.2	2538.	3.316
994.	15.23	2539.	3.296
995.	15.22	2540.	3.324
996.	15.23	2541.	3.327
997.	15.19	2542.	3.287
998.	15.2	2543.	3.291
999.	15.21	2544.	3.322
1000.	15.21	2545.	3.313
1001.	15.25	2546.	3.316
1002.	15.21	2547.	3.328
1003.	15.26	2548.	3.307
1004.	15.24	2549.	3.296
1005.	15.25	2550.	3.269
1006.	15.24	2551.	3.296
1007.	15.29	2552.	3.275
1008.	15.26	2553.	3.291
1009.	15.3	2554.	3.311
1010.	15.25	2555.	3.311
1011.	15.25	2556.	3.261
1012.	15.27	2557.	3.297
1013.	15.26	2558.	3.263
1014.	15.28	2559.	3.293
1015.	15.32	2560.	3.274
1016.	15.32	2561.	3.312
1017.	15.3	2562.	3.282
1018.	15.29	2563.	3.259
1019.	15.31	2564.	3.311
1020.	15.3	2565.	3.279
1021.	15.29	2566.	3.232
1022.	15.31	2567.	3.228

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	15.31	2568.	3.244
1024.	15.33	2569.	3.265
1025.	15.33	2570.	3.277
1026.	15.32	2571.	3.24
1027.	15.32	2572.	3.265
1028.	15.32	2573.	3.24
1029.	15.29	2574.	3.253
1030.	15.37	2575.	3.257
1031.	15.36	2576.	3.226
1032.	15.34	2577.	3.202
1033.	15.34	2578.	3.24
1034.	15.38	2579.	3.211
1035.	15.36	2580.	3.229
1036.	15.4	2581.	3.241
1037.	15.36	2582.	3.23
1038.	15.36	2583.	3.205
1039.	15.38	2584.	3.235
1040.	15.38	2585.	3.236
1041.	15.38	2586.	3.189
1042.	15.39	2587.	3.258
1043.	15.4	2588.	3.205
1044.	15.41	2589.	3.18
1045.	15.38	2590.	3.21
1046.	15.4	2591.	3.202
1047.	15.43	2592.	3.184
1048.	15.4	2593.	3.186
1049.	15.42	2594.	3.179
1050.	15.42	2595.	3.195
1051.	15.45	2596.	3.183
1052.	15.43	2597.	3.179
1053.	15.43	2598.	3.195
1054.	15.48	2599.	3.202
1055.	15.46	2600.	3.203
1056.	15.46	2601.	3.155
1057.	15.42	2602.	3.17
1058.	15.49	2603.	3.182
1059.	15.49	2604.	3.178
1060.	15.48	2605.	3.162
1061.	15.45	2606.	3.156
1062.	15.47	2607.	3.187
1063.	15.45	2608.	3.176
1064.	15.47	2609.	3.099
1065.	15.47	2610.	3.152
1066.	15.48	2611.	3.17
1067.	15.51	2612.	3.154
1068.	15.5	2613.	3.19
1069.	15.49	2614.	3.183
1070.	15.53	2615.	3.118
1071.	15.49	2616.	3.145
1072.	15.51	2617.	3.099
1073.	15.52	2618.	3.171
1074.	15.52	2619.	3.142
1075.	15.53	2620.	3.152
1076.	15.52	2621.	3.121
1077.	15.54	2622.	3.149
1078.	15.55	2623.	3.155
1079.	15.52	2624.	3.115
1080.	15.54	2625.	3.124
1081.	15.54	2626.	3.134
1082.	15.58	2627.	3.15
1083.	15.53	2628.	3.134
1084.	15.58	2629.	3.118
1085.	15.55	2630.	3.142
1086.	15.55	2631.	3.094
1087.	15.57	2632.	3.108
1088.	15.57	2633.	3.092

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	15.54	2634.	3.107
1090.	15.6	2635.	3.094
1091.	15.54	2636.	3.129
1092.	15.57	2637.	3.08
1093.	15.61	2638.	3.119
1094.	15.62	2639.	3.09
1095.	15.62	2640.	3.092
1096.	15.62	2641.	3.075
1097.	15.63	2642.	3.117
1098.	15.61	2643.	3.097
1099.	15.6	2644.	3.115
1100.	15.61	2645.	3.076
1101.	15.62	2646.	3.057
1102.	15.61	2647.	3.072
1103.	15.64	2648.	3.107
1104.	15.63	2649.	3.057
1105.	15.64	2650.	3.084
1106.	15.64	2651.	3.077
1107.	15.64	2652.	3.07
1108.	15.64	2653.	3.074
1109.	15.66	2654.	3.054
1110.	15.68	2655.	3.063
1111.	15.65	2656.	3.029
1112.	15.61	2657.	3.055
1113.	15.66	2658.	3.039
1114.	15.67	2659.	3.045
1115.	15.66	2660.	3.073
1116.	15.68	2661.	3.041
1117.	15.69	2662.	3.016
1118.	15.69	2663.	3.078
1119.	15.68	2664.	3.027
1120.	15.69	2665.	3.051
1121.	15.68	2666.	3.031
1122.	15.68	2667.	3.066
1123.	15.74	2668.	3.034
1124.	15.74	2669.	3.076
1125.	15.71	2670.	3.05
1126.	15.7	2671.	3.011
1127.	15.7	2672.	3.026
1128.	15.73	2673.	3.038
1129.	15.71	2674.	3.012
1130.	15.73	2675.	3.042
1131.	15.74	2676.	3.017
1132.	15.76	2677.	3.008
1133.	15.72	2678.	3.032
1134.	15.71	2679.	3.034
1135.	15.74	2680.	3.027
1136.	15.74	2681.	3.057
1137.	15.78	2682.	3.054
1138.	15.74	2683.	2.987
1139.	15.77	2684.	2.979
1140.	15.74	2685.	2.992
1141.	15.8	2686.	2.996
1142.	15.8	2687.	3.
1143.	15.8	2688.	3.005
1144.	15.79	2689.	2.993
1145.	15.79	2690.	2.966
1146.	15.78	2691.	2.995
1147.	15.78	2692.	2.981
1148.	15.78	2693.	3.012
1149.	15.81	2694.	3.
1150.	15.75	2695.	2.978
1151.	15.77	2696.	2.999
1152.	15.8	2697.	2.933
1153.	15.79	2698.	2.986
1154.	15.78	2699.	2.994

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	15.85	2700.	2.966
1156.	15.8	2701.	2.965
1157.	15.82	2702.	2.944
1158.	15.81	2703.	3.001
1159.	15.82	2704.	2.925
1160.	15.83	2705.	2.991
1161.	15.82	2706.	2.921
1162.	15.86	2707.	2.973
1163.	15.83	2708.	2.964
1164.	15.82	2709.	2.962
1165.	15.83	2710.	2.945
1166.	15.84	2711.	2.952
1167.	15.84	2712.	2.964
1168.	15.84	2713.	2.931
1169.	15.85	2714.	2.936
1170.	15.88	2715.	3.007
1171.	15.85	2716.	2.942
1172.	15.86	2717.	2.938
1173.	15.91	2718.	2.942
1174.	15.9	2719.	2.897
1175.	15.89	2720.	2.902
1176.	15.86	2721.	2.949
1177.	15.9	2722.	2.933
1178.	15.89	2723.	2.973
1179.	15.89	2724.	2.933
1180.	15.89	2725.	2.892
1181.	15.89	2726.	2.932
1182.	15.93	2727.	2.905
1183.	15.84	2728.	2.878
1184.	15.83	2729.	2.927
1185.	15.77	2730.	2.891
1186.	15.75	2731.	2.917
1187.	15.73	2732.	2.926
1188.	15.7	2733.	2.909
1189.	15.65	2734.	2.896
1190.	15.65	2735.	2.917
1191.	15.61	2736.	2.919
1192.	15.58	2737.	2.91
1193.	15.53	2738.	2.896
1194.	15.51	2739.	2.932
1195.	15.49	2740.	2.904
1196.	15.46	2741.	2.877
1197.	15.42	2742.	2.899
1198.	15.43	2743.	2.902
1199.	15.37	2744.	2.909
1200.	15.39	2745.	2.916
1201.	15.34	2746.	2.904
1202.	15.3	2747.	2.866
1203.	15.31	2748.	2.904
1204.	15.29	2749.	2.881
1205.	15.26	2750.	2.887
1206.	15.27	2751.	2.864
1207.	15.28	2752.	2.861
1208.	15.21	2753.	2.896
1209.	15.21	2754.	2.867
1210.	15.22	2755.	2.861
1211.	15.13	2756.	2.9
1212.	15.2	2757.	2.869
1213.	15.15	2758.	2.909
1214.	15.15	2759.	2.869
1215.	15.11	2760.	2.817
1216.	15.14	2761.	2.884
1217.	15.08	2762.	2.831
1218.	15.09	2763.	2.841
1219.	15.09	2764.	2.845
1220.	15.05	2765.	2.835

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	15.03	2766.	2.868
1222.	15.	2767.	2.854
1223.	15.04	2768.	2.839
1224.	15.03	2769.	2.817
1225.	15.03	2770.	2.81
1226.	14.98	2771.	2.79
1227.	14.99	2772.	2.821
1228.	15.04	2773.	2.823
1229.	15.03	2774.	2.816
1230.	15.03	2775.	2.827
1231.	15.08	2776.	2.856
1232.	15.08	2777.	2.854
1233.	15.1	2778.	2.839
1234.	15.11	2779.	2.845
1235.	15.15	2780.	2.787
1236.	15.16	2781.	2.805
1237.	15.16	2782.	2.822
1238.	15.23	2783.	2.803
1239.	15.25	2784.	2.8
1240.	15.26	2785.	2.797
1241.	15.28	2786.	2.827
1242.	15.28	2787.	2.792
1243.	15.31	2788.	2.846
1244.	15.31	2789.	2.808
1245.	15.33	2790.	2.809
1246.	15.32	2791.	2.801
1247.	15.35	2792.	2.799
1248.	15.39	2793.	2.771
1249.	15.38	2794.	2.809
1250.	15.39	2795.	2.803
1251.	15.41	2796.	2.833
1252.	15.46	2797.	2.802
1253.	15.46	2798.	2.787
1254.	15.44	2799.	2.804
1255.	15.48	2800.	2.82
1256.	15.5	2801.	2.803
1257.	15.51	2802.	2.798
1258.	15.51	2803.	2.805
1259.	15.53	2804.	2.794
1260.	15.54	2805.	2.786
1261.	15.53	2806.	2.749
1262.	15.57	2807.	2.762
1263.	15.56	2808.	2.816
1264.	15.56	2809.	2.789
1265.	15.58	2810.	2.754
1266.	15.6	2811.	2.759
1267.	15.59	2812.	2.783
1268.	15.59	2813.	2.738
1269.	15.64	2814.	2.78
1270.	15.65	2815.	2.769
1271.	15.67	2816.	2.76
1272.	15.64	2817.	2.779
1273.	15.62	2818.	2.78
1274.	15.67	2819.	2.807
1275.	15.68	2820.	2.746
1276.	15.68	2821.	2.742
1277.	15.73	2822.	2.819
1278.	15.71	2823.	2.746
1279.	15.69	2824.	2.737
1280.	15.73	2825.	2.763
1281.	15.76	2826.	2.777
1282.	15.74	2827.	2.761
1283.	15.78	2828.	2.782
1284.	15.74	2829.	2.782
1285.	15.75	2830.	2.775
1286.	15.8	2831.	2.787

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	15.8	2832.	2.725
1288.	15.78	2833.	2.74
1289.	15.79	2834.	2.747
1290.	15.81	2835.	2.724
1291.	15.81	2836.	2.749
1292.	15.79	2837.	2.738
1293.	15.81	2838.	2.74
1294.	15.79	2839.	2.736
1295.	15.82	2840.	2.752
1296.	15.85	2841.	2.723
1297.	15.82	2842.	2.726
1298.	15.85	2843.	2.692
1299.	15.85	2844.	2.744
1300.	15.84	2845.	2.717
1301.	15.83	2846.	2.714
1302.	15.85	2847.	2.724
1303.	15.87	2848.	2.714
1304.	15.87	2849.	2.727
1305.	15.87	2850.	2.703
1306.	15.93	2851.	2.765
1307.	15.9	2852.	2.686
1308.	15.92	2853.	2.688
1309.	15.88	2854.	2.689
1310.	15.89	2855.	2.748
1311.	15.93	2856.	2.691
1312.	15.92	2857.	2.709
1313.	15.93	2858.	2.687
1314.	15.92	2859.	2.689
1315.	15.93	2860.	2.717
1316.	15.92	2861.	2.686
1317.	15.96	2862.	2.698
1318.	15.93	2863.	2.679
1319.	15.93	2864.	2.675
1320.	15.94	2865.	2.683
1321.	15.96	2866.	2.678
1322.	15.96	2867.	2.686
1323.	15.97	2868.	2.679
1324.	15.94	2869.	2.663
1325.	15.96	2870.	2.68
1326.	15.98	2871.	2.683
1327.	15.99	2872.	2.667
1328.	15.98	2873.	2.682
1329.	16.03	2874.	2.657
1330.	15.97	2875.	2.688
1331.	15.99	2876.	2.688
1332.	16.01	2877.	2.694
1333.	15.99	2878.	2.657
1334.	16.05	2879.	2.68
1335.	16.04	2880.	2.678
1336.	15.99	2881.	2.631
1337.	16.03	2882.	2.656
1338.	16.05	2883.	2.655
1339.	16.06	2884.	2.637
1340.	16.04	2885.	2.657
1341.	16.05	2886.	2.678
1342.	16.06	2887.	2.67
1343.	16.07	2888.	2.66
1344.	16.07	2889.	2.673
1345.	16.07	2890.	2.645
1346.	16.06	2891.	2.661
1347.	16.07	2892.	2.652
1348.	16.12	2893.	2.659
1349.	16.1	2894.	2.618
1350.	16.11	2895.	2.637
1351.	16.12	2896.	2.634
1352.	16.13	2897.	2.645

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	16.16	2898.	2.667
1354.	16.11	2899.	2.691
1355.	16.14	2900.	2.636
1356.	16.1	2901.	2.653
1357.	16.12	2902.	2.64
1358.	16.16	2903.	2.66
1359.	16.13	2904.	2.65
1360.	16.14	2905.	2.572
1361.	16.16	2906.	2.602
1362.	16.16	2907.	2.662
1363.	16.14	2908.	2.618
1364.	16.19	2909.	2.647
1365.	16.19	2910.	2.614
1366.	16.17	2911.	2.625
1367.	16.17	2912.	2.617
1368.	16.16	2913.	2.634
1369.	16.14	2914.	2.645
1370.	16.23	2915.	2.629
1371.	16.21	2916.	2.601
1372.	16.2	2917.	2.593
1373.	16.16	2918.	2.596
1374.	16.26	2919.	2.621
1375.	16.22	2920.	2.625
1376.	16.24	2921.	2.617
1377.	16.21	2922.	2.593
1378.	16.22	2923.	2.61
1379.	16.22	2924.	2.567
1380.	16.25	2925.	2.638
1381.	16.24	2926.	2.619
1382.	16.24	2927.	2.609
1383.	16.25	2928.	2.564
1384.	16.25	2929.	2.606
1385.	16.26	2930.	2.593
1386.	16.26	2931.	2.584
1387.	16.3	2932.	2.604
1388.	16.31	2933.	2.614
1389.	16.25	2934.	2.643
1390.	16.28	2935.	2.61
1391.	16.28	2936.	2.564
1392.	16.3	2937.	2.594
1393.	16.29	2938.	2.56
1394.	16.29	2939.	2.594
1395.	16.3	2940.	2.608
1396.	16.34	2941.	2.569
1397.	16.3	2942.	2.543
1398.	16.3	2943.	2.588
1399.	16.32	2944.	2.592
1400.	16.32	2945.	2.607
1401.	16.31	2946.	2.578
1402.	16.3	2947.	2.59
1403.	16.31	2948.	2.578
1404.	16.33	2949.	2.55
1405.	16.35	2950.	2.583
1406.	16.31	2951.	2.561
1407.	16.36	2952.	2.544
1408.	16.28	2953.	2.55
1409.	16.31	2954.	2.598
1410.	16.41	2955.	2.608
1411.	16.4	2956.	2.556
1412.	16.35	2957.	2.549
1413.	16.36	2958.	2.57
1414.	16.4	2959.	2.586
1415.	16.37	2960.	2.56
1416.	16.37	2961.	2.546
1417.	16.37	2962.	2.585
1418.	16.39	2963.	2.562

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	16.41	2964.	2.55
1420.	16.37	2965.	2.557
1421.	16.37	2966.	2.559
1422.	16.38	2967.	2.544
1423.	16.34	2968.	2.55
1424.	16.39	2969.	2.555
1425.	16.38	2970.	2.53
1426.	16.38	2971.	2.538
1427.	16.44	2972.	2.548
1428.	16.41	2973.	2.558
1429.	16.4	2974.	2.558
1430.	16.42	2975.	2.542
1431.	16.38	2976.	2.546
1432.	16.41	2977.	2.537
1433.	16.46	2978.	2.558
1434.	16.44	2979.	2.539
1435.	16.41	2980.	2.503
1436.	16.4	2981.	2.553
1437.	16.47	2982.	2.534
1438.	16.46	2983.	2.576
1439.	16.43	2984.	2.55
1440.	16.47	2985.	2.549
1441.	16.48	2986.	2.599
1442.	16.46	2987.	2.543
1443.	16.41	2988.	2.555
1444.	16.4	2989.	2.561
1445.	16.31	2990.	2.54
1446.	16.28	2991.	2.548
1447.	16.24	2992.	2.521
1448.	16.14	2993.	2.558
1449.	16.1	2994.	2.486
1450.	16.02	2995.	2.522
1451.	15.97	2996.	2.53
1452.	15.87	2997.	2.558
1453.	15.83	2998.	2.556
1454.	15.7	2999.	2.52
1455.	15.65	3000.	2.541
1456.	15.58	3001.	2.537
1457.	15.49	3002.	2.523
1458.	15.44	3003.	2.478
1459.	15.37	3004.	2.511
1460.	15.3	3005.	2.508
1461.	15.23	3006.	2.528
1462.	15.12	3007.	2.535
1463.	15.04	3008.	2.523
1464.	14.98	3009.	2.544
1465.	14.93	3010.	2.527
1466.	14.83	3011.	2.504
1467.	14.83	3012.	2.518
1468.	14.74	3013.	2.508
1469.	14.7	3014.	2.527
1470.	14.63	3015.	2.518
1471.	14.56	3016.	2.533
1472.	14.52	3017.	2.493
1473.	14.43	3018.	2.515
1474.	14.36	3019.	2.488
1475.	14.3	3020.	2.491
1476.	14.27	3021.	2.522
1477.	14.16	3022.	2.511
1478.	14.12	3023.	2.511
1479.	14.07	3024.	2.483
1480.	13.99	3025.	2.539
1481.	13.95	3026.	2.483
1482.	13.88	3027.	2.508
1483.	13.85	3028.	2.49
1484.	13.78	3029.	2.474

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	13.73	3030.	2.503
1486.	13.68	3031.	2.529
1487.	13.63	3032.	2.485
1488.	13.55	3033.	2.499
1489.	13.48	3034.	2.509
1490.	13.49	3035.	2.499
1491.	13.4	3036.	2.496
1492.	13.34	3037.	2.491
1493.	13.3	3038.	2.511
1494.	13.28	3039.	2.505
1495.	13.19	3040.	2.457
1496.	13.15	3041.	2.491
1497.	13.15	3042.	2.496
1498.	13.07	3043.	2.492
1499.	13.01	3044.	2.523
1500.	12.97	3045.	2.462
1501.	12.96	3046.	2.47
1502.	12.89	3047.	2.477
1503.	12.83	3048.	2.501
1504.	12.78	3049.	2.44
1505.	12.75	3050.	2.503
1506.	12.72	3051.	2.455
1507.	12.64	3052.	2.486
1508.	12.6	3053.	2.472
1509.	12.55	3054.	2.464
1510.	12.54	3055.	2.475
1511.	12.49	3056.	2.461
1512.	12.4	3057.	2.476
1513.	12.39	3058.	2.424
1514.	12.33	3059.	2.458
1515.	12.32	3060.	2.451
1516.	12.25	3061.	2.431
1517.	12.23	3062.	2.435
1518.	12.17	3063.	2.476
1519.	12.12	3064.	2.46
1520.	12.07	3065.	2.47
1521.	12.04	3066.	2.444
1522.	12.02	3067.	2.454
1523.	11.98	3068.	2.458
1524.	11.9	3069.	2.417
1525.	11.87	3070.	2.478
1526.	11.85	3071.	2.462
1527.	11.8	3072.	2.47
1528.	11.78	3073.	2.428
1529.	11.73	3074.	2.458
1530.	11.71	3075.	2.458
1531.	11.69	3076.	2.486
1532.	11.63	3077.	2.434
1533.	11.6	3078.	2.469
1534.	11.57	3079.	2.418
1535.	11.56	3080.	2.455
1536.	11.48	3081.	2.459
1537.	11.47	3082.	2.444
1538.	11.39	3083.	2.424
1539.	11.38	3084.	2.408
1540.	11.35	3085.	2.444
1541.	11.32	3086.	2.41
1542.	11.28	3087.	2.425
1543.	11.23	3088.	2.476
1544.	11.17	3089.	2.408
1545.	11.18		

SOLUTION

Pumping Test
Aquifer Model: Confined

Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1302.4	ft^2/day
S	7.631E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.28 ft/day (0.005743 cm/sec)
Ss = S/b = 9.539E-7 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1318.9	2.197	+/- 4.309	600.3	ft^2/day
S	8.667E-5	3.773E-7	+/- 7.4E-7	229.7	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.49 ft/day (0.005816 cm/sec)
Ss = S/b = 1.083E-6 1/ft

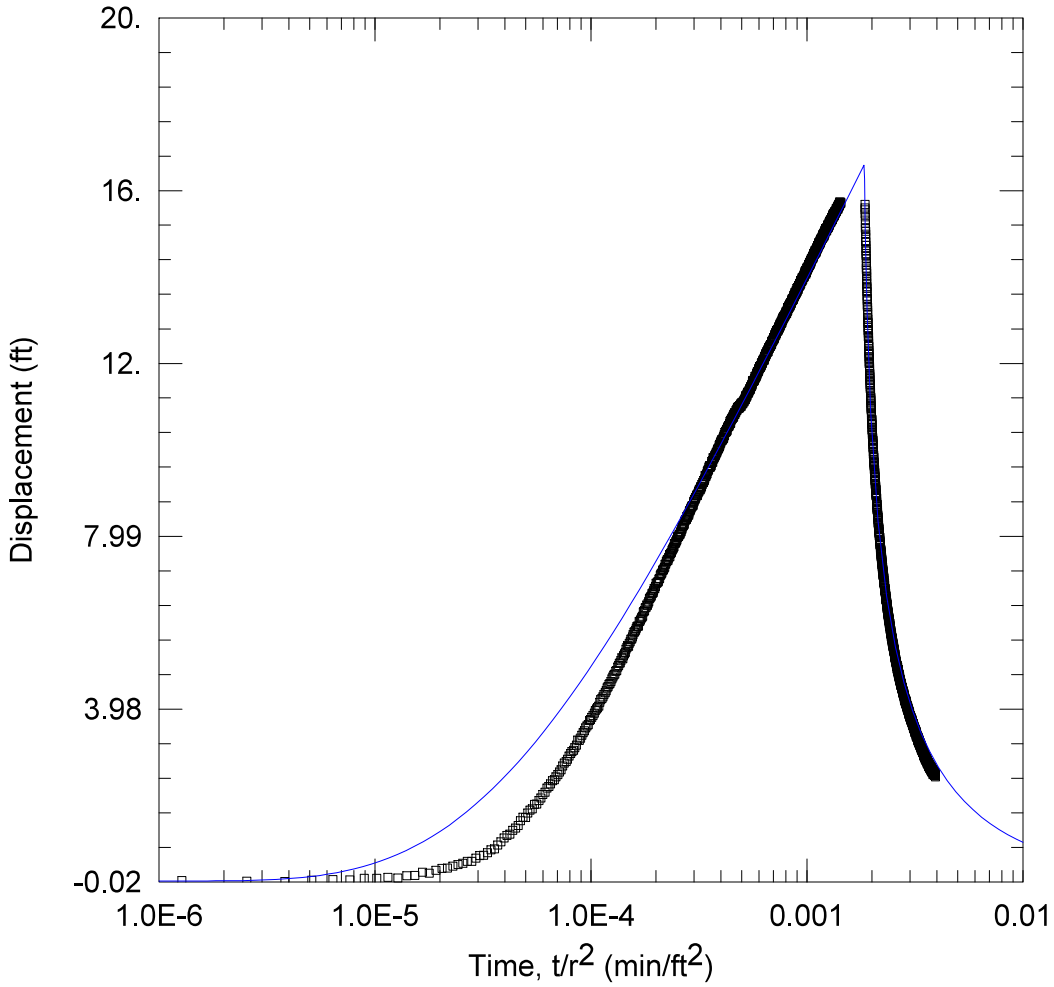
Parameter Correlations

	T	S
T	1.00	-0.85
S	-0.85	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 397.1 ft^2
Variance . . . . . 0.1286 ft^2
Std. Deviation . . . . . 0.3587 ft
Mean . . . . . -0.1174 ft
No. of Residuals 3089
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW20.aqt
Date: 04/11/25 Time: 12:08:21

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW20	325	982

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1308.4 ft^2/day
S = 8.607E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:00:36

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW20

X Location: 325. ft
Y Location: 982. ft

Radial distance from BM 1B: 884.771722 ft
Radial distance from BM2A: 1194.615001 ft
Radial distance from BM3: 423.5481082 ft
Radial distance from BM 4 : 539.4487928 ft
Radial distance from BM5: 529.9528281 ft
Radial distance from BM 6: 766.1155265 ft
Radial distance from BM7: 1128.677545 ft
Radial distance from BM9: 1808.911828 ft

Fully Penetrating Well

No. of Observations: 2754

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.007746	1708.	7.795
2.	-0.00174	1709.	7.848
3.	-0.01208	1710.	7.799
4.	0.01969	1711.	7.822
5.	0.03347	1712.	7.781
6.	0.02553	1713.	7.811
7.	0.05903	1714.	7.776
8.	0.06253	1715.	7.781
9.	0.08686	1716.	7.717
10.	0.07195	1717.	7.742
11.	0.1204	1718.	7.688
12.	0.1279	1719.	7.695
13.	0.2017	1720.	7.661
14.	0.1822	1721.	7.67
15.	0.2447	1722.	7.671
16.	0.2881	1723.	7.642
17.	0.2959	1724.	7.65
18.	0.34	1725.	7.615
19.	0.3777	1726.	7.624
20.	0.4064	1727.	7.571
21.	0.4525	1728.	7.582
22.	0.4522	1729.	7.564
23.	0.528	1730.	7.528
24.	0.5868	1731.	7.538
25.	0.5986	1732.	7.509
26.	0.6519	1733.	7.509
27.	0.7217	1734.	7.472
28.	0.7414	1735.	7.505
29.	0.8362	1736.	7.497
30.	0.905	1737.	7.492
31.	0.9972	1738.	7.456
32.	1.057	1739.	7.429

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.084	1740.	7.451
34.	1.173	1741.	7.397
35.	1.229	1742.	7.393
36.	1.285	1743.	7.374
37.	1.397	1744.	7.415
38.	1.481	1745.	7.376
39.	1.473	1746.	7.327
40.	1.573	1747.	7.346
41.	1.642	1748.	7.319
42.	1.668	1749.	7.335
43.	1.778	1750.	7.337
44.	1.779	1751.	7.278
45.	1.861	1752.	7.294
46.	1.923	1753.	7.275
47.	2.007	1754.	7.241
48.	2.056	1755.	7.274
49.	2.152	1756.	7.224
50.	2.188	1757.	7.219
51.	2.249	1758.	7.226
52.	2.322	1759.	7.197
53.	2.345	1760.	7.19
54.	2.414	1761.	7.193
55.	2.461	1762.	7.159
56.	2.522	1763.	7.17
57.	2.577	1764.	7.106
58.	2.666	1765.	7.142
59.	2.733	1766.	7.105
60.	2.765	1767.	7.124
61.	2.817	1768.	7.126
62.	2.891	1769.	7.078
63.	2.954	1770.	7.095
64.	2.997	1771.	7.07
65.	3.027	1772.	7.07
66.	3.085	1773.	7.05
67.	3.144	1774.	7.057
68.	3.262	1775.	7.008
69.	3.256	1776.	7.
70.	3.311	1777.	7.035
71.	3.376	1778.	6.974
72.	3.435	1779.	6.974
73.	3.481	1780.	7.019
74.	3.544	1781.	6.958
75.	3.591	1782.	6.916
76.	3.621	1783.	6.926
77.	3.715	1784.	6.926
78.	3.739	1785.	6.91
79.	3.796	1786.	6.894
80.	3.835	1787.	6.911
81.	3.894	1788.	6.879
82.	3.953	1789.	6.881
83.	3.986	1790.	6.879
84.	4.013	1791.	6.853
85.	4.054	1792.	6.901
86.	4.139	1793.	6.854
87.	4.2	1794.	6.789
88.	4.226	1795.	6.783
89.	4.268	1796.	6.799
90.	4.318	1797.	6.785
91.	4.361	1798.	6.784
92.	4.408	1799.	6.757
93.	4.476	1800.	6.731
94.	4.503	1801.	6.736
95.	4.553	1802.	6.726
96.	4.581	1803.	6.73
97.	4.625	1804.	6.7
98.	4.68	1805.	6.707

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	4.722	1806.	6.725
100.	4.772	1807.	6.709
101.	4.792	1808.	6.679
102.	4.861	1809.	6.667
103.	4.875	1810.	6.667
104.	4.952	1811.	6.673
105.	4.989	1812.	6.619
106.	5.044	1813.	6.637
107.	5.054	1814.	6.61
108.	5.106	1815.	6.615
109.	5.169	1816.	6.584
110.	5.15	1817.	6.597
111.	5.214	1818.	6.545
112.	5.257	1819.	6.598
113.	5.294	1820.	6.549
114.	5.371	1821.	6.516
115.	5.409	1822.	6.552
116.	5.449	1823.	6.504
117.	5.435	1824.	6.531
118.	5.505	1825.	6.531
119.	5.544	1826.	6.522
120.	5.604	1827.	6.523
121.	5.608	1828.	6.54
122.	5.652	1829.	6.465
123.	5.704	1830.	6.428
124.	5.764	1831.	6.501
125.	5.773	1832.	6.478
126.	5.815	1833.	6.441
127.	5.853	1834.	6.408
128.	5.892	1835.	6.424
129.	5.905	1836.	6.426
130.	5.91	1837.	6.452
131.	6.009	1838.	6.412
132.	6.017	1839.	6.405
133.	6.047	1840.	6.353
134.	6.095	1841.	6.383
135.	6.116	1842.	6.342
136.	6.14	1843.	6.355
137.	6.233	1844.	6.374
138.	6.252	1845.	6.311
139.	6.266	1846.	6.317
140.	6.331	1847.	6.323
141.	6.343	1848.	6.315
142.	6.396	1849.	6.285
143.	6.393	1850.	6.31
144.	6.438	1851.	6.291
145.	6.469	1852.	6.293
146.	6.545	1853.	6.276
147.	6.557	1854.	6.253
148.	6.58	1855.	6.233
149.	6.605	1856.	6.221
150.	6.658	1857.	6.243
151.	6.67	1858.	6.23
152.	6.684	1859.	6.23
153.	6.722	1860.	6.204
154.	6.782	1861.	6.187
155.	6.773	1862.	6.18
156.	6.83	1863.	6.183
157.	6.902	1864.	6.167
158.	6.902	1865.	6.157
159.	6.923	1866.	6.134
160.	6.932	1867.	6.171
161.	6.944	1868.	6.138
162.	6.995	1869.	6.132
163.	7.01	1870.	6.122
164.	7.081	1871.	6.09

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.102	1872.	6.11
166.	7.125	1873.	6.079
167.	7.142	1874.	6.117
168.	7.187	1875.	6.074
169.	7.222	1876.	6.084
170.	7.213	1877.	6.09
171.	7.247	1878.	6.065
172.	7.269	1879.	6.065
173.	7.334	1880.	6.044
174.	7.341	1881.	6.03
175.	7.41	1882.	6.02
176.	7.396	1883.	6.025
177.	7.444	1884.	6.012
178.	7.426	1885.	5.99
179.	7.462	1886.	5.977
180.	7.5	1887.	5.997
181.	7.56	1888.	5.975
182.	7.514	1889.	5.959
183.	7.586	1890.	5.951
184.	7.6	1891.	5.974
185.	7.615	1892.	5.973
186.	7.658	1893.	5.977
187.	7.687	1894.	5.951
188.	7.696	1895.	5.925
189.	7.732	1896.	5.922
190.	7.748	1897.	5.906
191.	7.823	1898.	5.912
192.	7.824	1899.	5.881
193.	7.833	1900.	5.91
194.	7.868	1901.	5.879
195.	7.89	1902.	5.904
196.	7.912	1903.	5.895
197.	7.96	1904.	5.833
198.	7.988	1905.	5.855
199.	7.982	1906.	5.845
200.	8.002	1907.	5.83
201.	8.028	1908.	5.846
202.	8.037	1909.	5.829
203.	8.044	1910.	5.813
204.	8.087	1911.	5.81
205.	8.095	1912.	5.806
206.	8.138	1913.	5.81
207.	8.172	1914.	5.782
208.	8.206	1915.	5.787
209.	8.226	1916.	5.771
210.	8.233	1917.	5.772
211.	8.259	1918.	5.741
212.	8.275	1919.	5.749
213.	8.328	1920.	5.741
214.	8.363	1921.	5.735
215.	8.369	1922.	5.729
216.	8.38	1923.	5.704
217.	8.384	1924.	5.725
218.	8.446	1925.	5.723
219.	8.426	1926.	5.728
220.	8.463	1927.	5.655
221.	8.484	1928.	5.723
222.	8.477	1929.	5.667
223.	8.522	1930.	5.662
224.	8.571	1931.	5.646
225.	8.572	1932.	5.687
226.	8.6	1933.	5.643
227.	8.619	1934.	5.646
228.	8.642	1935.	5.637
229.	8.666	1936.	5.638
230.	8.684	1937.	5.609

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	8.692	1938.	5.637
232.	8.69	1939.	5.625
233.	8.708	1940.	5.59
234.	8.762	1941.	5.614
235.	8.791	1942.	5.613
236.	8.807	1943.	5.609
237.	8.839	1944.	5.57
238.	8.854	1945.	5.557
239.	8.876	1946.	5.544
240.	8.888	1947.	5.527
241.	8.927	1948.	5.57
242.	8.939	1949.	5.569
243.	8.947	1950.	5.534
244.	8.933	1951.	5.525
245.	8.972	1952.	5.516
246.	9.004	1953.	5.533
247.	9.038	1954.	5.496
248.	9.03	1955.	5.541
249.	9.074	1956.	5.522
250.	9.078	1957.	5.467
251.	9.067	1958.	5.484
252.	9.13	1959.	5.475
253.	9.107	1960.	5.509
254.	9.132	1961.	5.486
255.	9.138	1962.	5.463
256.	9.184	1963.	5.438
257.	9.195	1964.	5.456
258.	9.226	1965.	5.486
259.	9.237	1966.	5.472
260.	9.236	1967.	5.424
261.	9.283	1968.	5.436
262.	9.274	1969.	5.416
263.	9.29	1970.	5.428
264.	9.32	1971.	5.427
265.	9.395	1972.	5.413
266.	9.37	1973.	5.384
267.	9.386	1974.	5.428
268.	9.419	1975.	5.359
269.	9.424	1976.	5.348
270.	9.444	1977.	5.362
271.	9.495	1978.	5.361
272.	9.487	1979.	5.357
273.	9.505	1980.	5.392
274.	9.541	1981.	5.378
275.	9.519	1982.	5.356
276.	9.575	1983.	5.337
277.	9.605	1984.	5.352
278.	9.627	1985.	5.313
279.	9.584	1986.	5.301
280.	9.605	1987.	5.324
281.	9.627	1988.	5.308
282.	9.622	1989.	5.303
283.	9.674	1990.	5.277
284.	9.718	1991.	5.286
285.	9.706	1992.	5.293
286.	9.741	1993.	5.256
287.	9.703	1994.	5.252
288.	9.808	1995.	5.254
289.	9.796	1996.	5.243
290.	9.777	1997.	5.242
291.	9.812	1998.	5.269
292.	9.819	1999.	5.248
293.	9.825	2000.	5.225
294.	9.867	2001.	5.198
295.	9.861	2002.	5.194
296.	9.889	2003.	5.258

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	9.901	2004.	5.208
298.	9.932	2005.	5.166
299.	9.928	2006.	5.181
300.	9.942	2007.	5.18
301.	9.974	2008.	5.199
302.	9.994	2009.	5.162
303.	10.	2010.	5.185
304.	10.02	2011.	5.179
305.	10.01	2012.	5.189
306.	10.04	2013.	5.177
307.	10.09	2014.	5.111
308.	10.07	2015.	5.171
309.	10.11	2016.	5.161
310.	10.09	2017.	5.124
311.	10.13	2018.	5.138
312.	10.17	2019.	5.131
313.	10.15	2020.	5.099
314.	10.19	2021.	5.094
315.	10.2	2022.	5.092
316.	10.22	2023.	5.083
317.	10.23	2024.	5.11
318.	10.21	2025.	5.083
319.	10.23	2026.	5.053
320.	10.25	2027.	5.078
321.	10.28	2028.	5.075
322.	10.25	2029.	5.073
323.	10.29	2030.	5.081
324.	10.31	2031.	5.067
325.	10.35	2032.	5.064
326.	10.33	2033.	5.049
327.	10.39	2034.	5.071
328.	10.39	2035.	5.024
329.	10.42	2036.	5.025
330.	10.4	2037.	5.03
331.	10.41	2038.	5.018
332.	10.42	2039.	4.982
333.	10.47	2040.	4.997
334.	10.43	2041.	5.002
335.	10.44	2042.	5.013
336.	10.5	2043.	4.972
337.	10.51	2044.	4.994
338.	10.54	2045.	4.981
339.	10.53	2046.	4.984
340.	10.55	2047.	4.991
341.	10.56	2048.	5.006
342.	10.54	2049.	4.983
343.	10.58	2050.	4.964
344.	10.61	2051.	4.918
345.	10.65	2052.	4.976
346.	10.6	2053.	4.97
347.	10.61	2054.	4.93
348.	10.67	2055.	4.909
349.	10.68	2056.	4.928
350.	10.7	2057.	4.901
351.	10.7	2058.	4.907
352.	10.71	2059.	4.897
353.	10.72	2060.	4.9
354.	10.74	2061.	4.889
355.	10.73	2062.	4.952
356.	10.76	2063.	4.887
357.	10.78	2064.	4.889
358.	10.76	2065.	4.88
359.	10.75	2066.	4.909
360.	10.81	2067.	4.901
361.	10.82	2068.	4.902
362.	10.85	2069.	4.866

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	10.81	2070.	4.851
364.	10.86	2071.	4.844
365.	10.84	2072.	4.839
366.	10.86	2073.	4.841
367.	10.86	2074.	4.869
368.	10.91	2075.	4.841
369.	10.9	2076.	4.792
370.	10.91	2077.	4.839
371.	10.92	2078.	4.82
372.	10.91	2079.	4.831
373.	10.96	2080.	4.8
374.	10.96	2081.	4.801
375.	10.98	2082.	4.781
376.	10.97	2083.	4.801
377.	10.95	2084.	4.786
378.	10.95	2085.	4.807
379.	10.99	2086.	4.796
380.	10.97	2087.	4.763
381.	11.	2088.	4.789
382.	10.96	2089.	4.756
383.	11.01	2090.	4.786
384.	11.02	2091.	4.724
385.	10.99	2092.	4.785
386.	11.05	2093.	4.755
387.	11.04	2094.	4.75
388.	11.02	2095.	4.736
389.	11.	2096.	4.731
390.	11.06	2097.	4.738
391.	11.06	2098.	4.708
392.	11.08	2099.	4.696
393.	11.07	2100.	4.732
394.	11.08	2101.	4.728
395.	11.06	2102.	4.715
396.	11.06	2103.	4.688
397.	11.1	2104.	4.682
398.	11.11	2105.	4.74
399.	11.11	2106.	4.682
400.	11.12	2107.	4.675
401.	11.1	2108.	4.677
402.	11.15	2109.	4.648
403.	11.16	2110.	4.66
404.	11.15	2111.	4.681
405.	11.18	2112.	4.638
406.	11.15	2113.	4.661
407.	11.21	2114.	4.651
408.	11.23	2115.	4.677
409.	11.24	2116.	4.646
410.	11.24	2117.	4.635
411.	11.21	2118.	4.646
412.	11.24	2119.	4.654
413.	11.28	2120.	4.628
414.	11.24	2121.	4.619
415.	11.29	2122.	4.622
416.	11.29	2123.	4.607
417.	11.32	2124.	4.593
418.	11.3	2125.	4.599
419.	11.32	2126.	4.578
420.	11.32	2127.	4.604
421.	11.31	2128.	4.589
422.	11.34	2129.	4.613
423.	11.37	2130.	4.6
424.	11.37	2131.	4.576
425.	11.4	2132.	4.574
426.	11.41	2133.	4.554
427.	11.39	2134.	4.582
428.	11.39	2135.	4.532

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	11.41	2136.	4.546
430.	11.43	2137.	4.562
431.	11.45	2138.	4.562
432.	11.46	2139.	4.576
433.	11.46	2140.	4.534
434.	11.47	2141.	4.535
435.	11.48	2142.	4.526
436.	11.5	2143.	4.538
437.	11.51	2144.	4.54
438.	11.54	2145.	4.526
439.	11.58	2146.	4.491
440.	11.59	2147.	4.53
441.	11.57	2148.	4.515
442.	11.58	2149.	4.521
443.	11.6	2150.	4.49
444.	11.58	2151.	4.483
445.	11.6	2152.	4.493
446.	11.6	2153.	4.49
447.	11.63	2154.	4.49
448.	11.6	2155.	4.498
449.	11.64	2156.	4.477
450.	11.64	2157.	4.46
451.	11.69	2158.	4.473
452.	11.68	2159.	4.454
453.	11.67	2160.	4.485
454.	11.7	2161.	4.476
455.	11.69	2162.	4.46
456.	11.7	2163.	4.44
457.	11.72	2164.	4.482
458.	11.75	2165.	4.481
459.	11.73	2166.	4.436
460.	11.76	2167.	4.454
461.	11.77	2168.	4.419
462.	11.8	2169.	4.432
463.	11.8	2170.	4.427
464.	11.79	2171.	4.398
465.	11.81	2172.	4.424
466.	11.81	2173.	4.411
467.	11.82	2174.	4.418
468.	11.86	2175.	4.402
469.	11.84	2176.	4.416
470.	11.87	2177.	4.412
471.	11.88	2178.	4.396
472.	11.88	2179.	4.373
473.	11.92	2180.	4.366
474.	11.89	2181.	4.363
475.	11.91	2182.	4.387
476.	11.91	2183.	4.382
477.	11.91	2184.	4.402
478.	11.94	2185.	4.385
479.	11.94	2186.	4.377
480.	11.94	2187.	4.329
481.	11.94	2188.	4.338
482.	11.96	2189.	4.379
483.	12.	2190.	4.355
484.	11.99	2191.	4.356
485.	12.	2192.	4.364
486.	12.02	2193.	4.359
487.	12.	2194.	4.364
488.	12.02	2195.	4.365
489.	12.04	2196.	4.318
490.	12.05	2197.	4.316
491.	12.06	2198.	4.341
492.	12.08	2199.	4.356
493.	12.09	2200.	4.327
494.	12.09	2201.	4.299

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	12.1	2202.	4.306
496.	12.09	2203.	4.298
497.	12.07	2204.	4.292
498.	12.12	2205.	4.305
499.	12.15	2206.	4.312
500.	12.15	2207.	4.288
501.	12.15	2208.	4.277
502.	12.15	2209.	4.276
503.	12.17	2210.	4.29
504.	12.21	2211.	4.285
505.	12.17	2212.	4.251
506.	12.22	2213.	4.219
507.	12.2	2214.	4.249
508.	12.23	2215.	4.22
509.	12.22	2216.	4.251
510.	12.22	2217.	4.251
511.	12.26	2218.	4.243
512.	12.25	2219.	4.23
513.	12.27	2220.	4.244
514.	12.27	2221.	4.222
515.	12.27	2222.	4.212
516.	12.27	2223.	4.241
517.	12.31	2224.	4.22
518.	12.27	2225.	4.226
519.	12.32	2226.	4.175
520.	12.32	2227.	4.191
521.	12.34	2228.	4.192
522.	12.36	2229.	4.187
523.	12.33	2230.	4.215
524.	12.34	2231.	4.216
525.	12.36	2232.	4.175
526.	12.37	2233.	4.19
527.	12.4	2234.	4.16
528.	12.4	2235.	4.187
529.	12.39	2236.	4.171
530.	12.39	2237.	4.17
531.	12.42	2238.	4.192
532.	12.43	2239.	4.146
533.	12.41	2240.	4.171
534.	12.43	2241.	4.137
535.	12.43	2242.	4.167
536.	12.44	2243.	4.151
537.	12.44	2244.	4.161
538.	12.49	2245.	4.181
539.	12.51	2246.	4.19
540.	12.49	2247.	4.158
541.	12.52	2248.	4.104
542.	12.51	2249.	4.111
543.	12.53	2250.	4.17
544.	12.51	2251.	4.162
545.	12.52	2252.	4.148
546.	12.53	2253.	4.132
547.	12.55	2254.	4.16
548.	12.55	2255.	4.132
549.	12.59	2256.	4.115
550.	12.56	2257.	4.11
551.	12.59	2258.	4.123
552.	12.58	2259.	4.143
553.	12.57	2260.	4.137
554.	12.6	2261.	4.081
555.	12.61	2262.	4.097
556.	12.62	2263.	4.086
557.	12.65	2264.	4.109
558.	12.65	2265.	4.108
559.	12.66	2266.	4.071
560.	12.7	2267.	4.088

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	12.67	2268.	4.109
562.	12.65	2269.	4.075
563.	12.68	2270.	4.059
564.	12.7	2271.	4.08
565.	12.7	2272.	4.068
566.	12.68	2273.	4.074
567.	12.75	2274.	4.045
568.	12.72	2275.	4.053
569.	12.74	2276.	4.03
570.	12.75	2277.	4.06
571.	12.77	2278.	4.043
572.	12.75	2279.	4.03
573.	12.78	2280.	4.061
574.	12.74	2281.	4.045
575.	12.77	2282.	4.038
576.	12.78	2283.	4.008
577.	12.76	2284.	4.007
578.	12.79	2285.	4.052
579.	12.82	2286.	3.992
580.	12.81	2287.	4.052
581.	12.83	2288.	4.047
582.	12.85	2289.	3.99
583.	12.81	2290.	4.008
584.	12.83	2291.	4.044
585.	12.88	2292.	4.026
586.	12.84	2293.	3.994
587.	12.88	2294.	4.019
588.	12.85	2295.	3.998
589.	12.92	2296.	3.975
590.	12.89	2297.	3.988
591.	12.88	2298.	4.005
592.	12.93	2299.	3.99
593.	12.91	2300.	3.965
594.	12.92	2301.	3.984
595.	12.93	2302.	3.957
596.	12.95	2303.	3.955
597.	12.92	2304.	3.984
598.	12.93	2305.	3.95
599.	12.94	2306.	3.969
600.	12.97	2307.	3.971
601.	13.01	2308.	3.959
602.	12.98	2309.	3.963
603.	12.98	2310.	3.969
604.	12.99	2311.	3.958
605.	13.01	2312.	3.935
606.	13.	2313.	3.948
607.	13.04	2314.	3.94
608.	13.04	2315.	3.932
609.	13.06	2316.	3.922
610.	13.04	2317.	3.938
611.	13.06	2318.	3.919
612.	13.07	2319.	3.96
613.	13.05	2320.	3.932
614.	13.09	2321.	3.916
615.	13.08	2322.	3.874
616.	13.07	2323.	3.895
617.	13.08	2324.	3.939
618.	13.09	2325.	3.922
619.	13.09	2326.	3.889
620.	13.12	2327.	3.907
621.	13.11	2328.	3.93
622.	13.14	2329.	3.888
623.	13.13	2330.	3.897
624.	13.14	2331.	3.893
625.	13.13	2332.	3.888
626.	13.16	2333.	3.862

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	13.19	2334.	3.872
628.	13.17	2335.	3.851
629.	13.15	2336.	3.851
630.	13.15	2337.	3.852
631.	13.15	2338.	3.89
632.	13.2	2339.	3.853
633.	13.19	2340.	3.88
634.	13.2	2341.	3.904
635.	13.23	2342.	3.835
636.	13.23	2343.	3.853
637.	13.22	2344.	3.835
638.	13.21	2345.	3.849
639.	13.28	2346.	3.847
640.	13.27	2347.	3.828
641.	13.26	2348.	3.843
642.	13.27	2349.	3.843
643.	13.27	2350.	3.806
644.	13.26	2351.	3.835
645.	13.29	2352.	3.795
646.	13.32	2353.	3.825
647.	13.32	2354.	3.829
648.	13.32	2355.	3.829
649.	13.29	2356.	3.835
650.	13.33	2357.	3.829
651.	13.32	2358.	3.786
652.	13.36	2359.	3.79
653.	13.32	2360.	3.799
654.	13.35	2361.	3.752
655.	13.32	2362.	3.794
656.	13.38	2363.	3.829
657.	13.35	2364.	3.809
658.	13.36	2365.	3.813
659.	13.38	2366.	3.8
660.	13.38	2367.	3.804
661.	13.4	2368.	3.779
662.	13.38	2369.	3.791
663.	13.41	2370.	3.775
664.	13.41	2371.	3.794
665.	13.45	2372.	3.78
666.	13.46	2373.	3.751
667.	13.44	2374.	3.755
668.	13.46	2375.	3.77
669.	13.49	2376.	3.749
670.	13.45	2377.	3.76
671.	13.45	2378.	3.774
672.	13.5	2379.	3.735
673.	13.47	2380.	3.75
674.	13.49	2381.	3.722
675.	13.49	2382.	3.755
676.	13.46	2383.	3.719
677.	13.51	2384.	3.714
678.	13.49	2385.	3.743
679.	13.51	2386.	3.714
680.	13.53	2387.	3.723
681.	13.52	2388.	3.722
682.	13.58	2389.	3.735
683.	13.56	2390.	3.74
684.	13.54	2391.	3.696
685.	13.54	2392.	3.766
686.	13.55	2393.	3.732
687.	13.59	2394.	3.729
688.	13.57	2395.	3.736
689.	13.61	2396.	3.707
690.	13.63	2397.	3.698
691.	13.59	2398.	3.685
692.	13.59	2399.	3.739

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	13.59	2400.	3.71
694.	13.61	2401.	3.679
695.	13.62	2402.	3.659
696.	13.65	2403.	3.663
697.	13.64	2404.	3.671
698.	13.61	2405.	3.687
699.	13.66	2406.	3.705
700.	13.69	2407.	3.696
701.	13.67	2408.	3.675
702.	13.64	2409.	3.677
703.	13.66	2410.	3.667
704.	13.67	2411.	3.677
705.	13.73	2412.	3.658
706.	13.7	2413.	3.702
707.	13.67	2414.	3.685
708.	13.72	2415.	3.622
709.	13.74	2416.	3.676
710.	13.73	2417.	3.657
711.	13.74	2418.	3.661
712.	13.73	2419.	3.653
713.	13.7	2420.	3.62
714.	13.76	2421.	3.609
715.	13.76	2422.	3.655
716.	13.76	2423.	3.653
717.	13.77	2424.	3.645
718.	13.79	2425.	3.611
719.	13.77	2426.	3.614
720.	13.78	2427.	3.623
721.	13.8	2428.	3.621
722.	13.79	2429.	3.627
723.	13.79	2430.	3.606
724.	13.84	2431.	3.598
725.	13.8	2432.	3.608
726.	13.83	2433.	3.628
727.	13.85	2434.	3.576
728.	13.81	2435.	3.626
729.	13.83	2436.	3.647
730.	13.87	2437.	3.586
731.	13.86	2438.	3.631
732.	13.86	2439.	3.551
733.	13.92	2440.	3.604
734.	13.84	2441.	3.6
735.	13.9	2442.	3.579
736.	13.92	2443.	3.578
737.	13.89	2444.	3.571
738.	13.92	2445.	3.563
739.	13.89	2446.	3.53
740.	13.89	2447.	3.542
741.	13.92	2448.	3.554
742.	13.91	2449.	3.571
743.	13.92	2450.	3.525
744.	13.93	2451.	3.565
745.	13.97	2452.	3.563
746.	13.96	2453.	3.594
747.	13.95	2454.	3.549
748.	13.93	2455.	3.563
749.	13.97	2456.	3.557
750.	13.97	2457.	3.531
751.	13.98	2458.	3.569
752.	13.99	2459.	3.538
753.	13.99	2460.	3.53
754.	13.99	2461.	3.53
755.	14.01	2462.	3.537
756.	13.99	2463.	3.537
757.	13.99	2464.	3.521
758.	14.	2465.	3.515

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	14.02	2466.	3.521
760.	14.03	2467.	3.53
761.	14.01	2468.	3.502
762.	14.04	2469.	3.511
763.	14.06	2470.	3.504
764.	14.08	2471.	3.523
765.	14.04	2472.	3.536
766.	14.11	2473.	3.534
767.	14.07	2474.	3.474
768.	14.06	2475.	3.479
769.	14.08	2476.	3.515
770.	14.1	2477.	3.513
771.	14.09	2478.	3.509
772.	14.1	2479.	3.485
773.	14.12	2480.	3.444
774.	14.11	2481.	3.49
775.	14.15	2482.	3.433
776.	14.06	2483.	3.505
777.	14.14	2484.	3.447
778.	14.12	2485.	3.47
779.	14.09	2486.	3.445
780.	14.14	2487.	3.491
781.	14.15	2488.	3.488
782.	14.15	2489.	3.467
783.	14.2	2490.	3.467
784.	14.15	2491.	3.46
785.	14.17	2492.	3.476
786.	14.17	2493.	3.462
787.	14.18	2494.	3.45
788.	14.2	2495.	3.47
789.	14.18	2496.	3.447
790.	14.2	2497.	3.488
791.	14.2	2498.	3.464
792.	14.21	2499.	3.436
793.	14.25	2500.	3.445
794.	14.22	2501.	3.44
795.	14.24	2502.	3.442
796.	14.23	2503.	3.458
797.	14.23	2504.	3.447
798.	14.28	2505.	3.427
799.	14.29	2506.	3.442
800.	14.23	2507.	3.439
801.	14.27	2508.	3.418
802.	14.27	2509.	3.427
803.	14.27	2510.	3.396
804.	14.32	2511.	3.39
805.	14.27	2512.	3.374
806.	14.31	2513.	3.416
807.	14.34	2514.	3.456
808.	14.29	2515.	3.379
809.	14.33	2516.	3.346
810.	14.29	2517.	3.398
811.	14.31	2518.	3.367
812.	14.34	2519.	3.38
813.	14.35	2520.	3.4
814.	14.31	2521.	3.362
815.	14.38	2522.	3.372
816.	14.35	2523.	3.413
817.	14.34	2524.	3.407
818.	14.36	2525.	3.358
819.	14.38	2526.	3.359
820.	14.41	2527.	3.357
821.	14.41	2528.	3.365
822.	14.38	2529.	3.368
823.	14.4	2530.	3.341
824.	14.41	2531.	3.346

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	14.4	2532.	3.335
826.	14.42	2533.	3.349
827.	14.43	2534.	3.349
828.	14.43	2535.	3.368
829.	14.41	2536.	3.362
830.	14.42	2537.	3.335
831.	14.46	2538.	3.344
832.	14.47	2539.	3.337
833.	14.47	2540.	3.336
834.	14.44	2541.	3.327
835.	14.43	2542.	3.35
836.	14.46	2543.	3.329
837.	14.47	2544.	3.329
838.	14.48	2545.	3.333
839.	14.5	2546.	3.335
840.	14.47	2547.	3.268
841.	14.52	2548.	3.325
842.	14.5	2549.	3.304
843.	14.51	2550.	3.346
844.	14.53	2551.	3.275
845.	14.54	2552.	3.298
846.	14.51	2553.	3.304
847.	14.54	2554.	3.32
848.	14.55	2555.	3.307
849.	14.57	2556.	3.292
850.	14.55	2557.	3.298
851.	14.53	2558.	3.338
852.	14.56	2559.	3.302
853.	14.53	2560.	3.292
854.	14.55	2561.	3.26
855.	14.61	2562.	3.287
856.	14.58	2563.	3.322
857.	14.59	2564.	3.278
858.	14.55	2565.	3.27
859.	14.57	2566.	3.237
860.	14.57	2567.	3.244
861.	14.62	2568.	3.282
862.	14.57	2569.	3.264
863.	14.58	2570.	3.261
864.	14.61	2571.	3.272
865.	14.6	2572.	3.259
866.	14.64	2573.	3.303
867.	14.64	2574.	3.237
868.	14.6	2575.	3.243
869.	14.65	2576.	3.264
870.	14.63	2577.	3.264
871.	14.67	2578.	3.277
872.	14.65	2579.	3.27
873.	14.65	2580.	3.237
874.	14.64	2581.	3.253
875.	14.68	2582.	3.244
876.	14.68	2583.	3.208
877.	14.68	2584.	3.229
878.	14.71	2585.	3.254
879.	14.69	2586.	3.279
880.	14.72	2587.	3.202
881.	14.68	2588.	3.26
882.	14.72	2589.	3.225
883.	14.71	2590.	3.223
884.	14.72	2591.	3.183
885.	14.72	2592.	3.226
886.	14.74	2593.	3.198
887.	14.73	2594.	3.22
888.	14.74	2595.	3.203
889.	14.78	2596.	3.243
890.	14.8	2597.	3.211

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	14.77	2598.	3.209
892.	14.74	2599.	3.205
893.	14.75	2600.	3.201
894.	14.79	2601.	3.22
895.	14.78	2602.	3.179
896.	14.76	2603.	3.206
897.	14.78	2604.	3.198
898.	14.8	2605.	3.179
899.	14.78	2606.	3.183
900.	14.78	2607.	3.161
901.	14.83	2608.	3.182
902.	14.8	2609.	3.171
903.	14.79	2610.	3.185
904.	14.85	2611.	3.186
905.	14.85	2612.	3.208
906.	14.81	2613.	3.188
907.	14.86	2614.	3.175
908.	14.86	2615.	3.165
909.	14.83	2616.	3.141
910.	14.84	2617.	3.147
911.	14.88	2618.	3.129
912.	14.87	2619.	3.194
913.	14.86	2620.	3.188
914.	14.85	2621.	3.203
915.	14.88	2622.	3.155
916.	14.89	2623.	3.132
917.	14.89	2624.	3.123
918.	14.89	2625.	3.18
919.	14.9	2626.	3.189
920.	14.9	2627.	3.163
921.	14.88	2628.	3.129
922.	14.92	2629.	3.133
923.	14.92	2630.	3.136
924.	14.93	2631.	3.127
925.	14.96	2632.	3.137
926.	14.91	2633.	3.112
927.	14.92	2634.	3.129
928.	14.95	2635.	3.103
929.	14.98	2636.	3.131
930.	14.94	2637.	3.147
931.	14.92	2638.	3.108
932.	14.95	2639.	3.134
933.	14.94	2640.	3.109
934.	14.99	2641.	3.136
935.	14.99	2642.	3.16
936.	15.	2643.	3.118
937.	14.99	2644.	3.111
938.	14.96	2645.	3.108
939.	14.99	2646.	3.1
940.	14.97	2647.	3.117
941.	14.95	2648.	3.06
942.	15.02	2649.	3.12
943.	15.01	2650.	3.093
944.	15.	2651.	3.092
945.	14.99	2652.	3.1
946.	15.05	2653.	3.127
947.	15.	2654.	3.089
948.	15.01	2655.	3.095
949.	15.02	2656.	3.109
950.	15.06	2657.	3.088
951.	15.07	2658.	3.071
952.	15.06	2659.	3.073
953.	15.06	2660.	3.097
954.	15.09	2661.	3.087
955.	15.08	2662.	3.054
956.	15.07	2663.	3.058

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	15.08	2664.	3.093
958.	15.11	2665.	3.026
959.	15.09	2666.	3.054
960.	15.09	2667.	3.037
961.	15.11	2668.	3.073
962.	15.1	2669.	3.043
963.	15.09	2670.	3.034
964.	15.1	2671.	3.046
965.	15.12	2672.	3.073
966.	15.06	2673.	3.034
967.	15.1	2674.	3.04
968.	15.11	2675.	3.034
969.	15.13	2676.	3.032
970.	15.12	2677.	3.038
971.	15.11	2678.	3.041
972.	15.14	2679.	3.033
973.	15.14	2680.	3.027
974.	15.14	2681.	3.071
975.	15.14	2682.	3.049
976.	15.14	2683.	3.029
977.	15.15	2684.	3.033
978.	15.18	2685.	3.032
979.	15.15	2686.	3.001
980.	15.19	2687.	2.981
981.	15.16	2688.	3.029
982.	15.21	2689.	3.008
983.	15.21	2690.	2.999
984.	15.14	2691.	3.012
985.	15.19	2692.	3.031
986.	15.2	2693.	3.008
987.	15.17	2694.	2.979
988.	15.18	2695.	2.985
989.	15.18	2696.	2.981
990.	15.21	2697.	3.
991.	15.23	2698.	3.002
992.	15.2	2699.	2.995
993.	15.25	2700.	3.002
994.	15.26	2701.	2.996
995.	15.2	2702.	2.978
996.	15.23	2703.	2.978
997.	15.28	2704.	2.971
998.	15.25	2705.	3.004
999.	15.26	2706.	2.984
1000.	15.24	2707.	2.985
1001.	15.26	2708.	2.979
1002.	15.29	2709.	2.982
1003.	15.26	2710.	2.965
1004.	15.31	2711.	2.966
1005.	15.29	2712.	2.982
1006.	15.3	2713.	2.981
1007.	15.3	2714.	2.966
1008.	15.29	2715.	2.968
1009.	15.28	2716.	2.974
1010.	15.31	2717.	2.942
1011.	15.33	2718.	2.902
1012.	15.27	2719.	2.947
1013.	15.32	2720.	2.932
1014.	15.29	2721.	2.961
1015.	15.33	2722.	2.946
1016.	15.31	2723.	2.943
1017.	15.34	2724.	2.914
1018.	15.32	2725.	2.956
1019.	15.34	2726.	2.945
1020.	15.36	2727.	2.9
1021.	15.32	2728.	2.951
1022.	15.35	2729.	2.918

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	15.37	2730.	2.948
1024.	15.35	2731.	2.919
1025.	15.38	2732.	2.926
1026.	15.37	2733.	2.898
1027.	15.37	2734.	2.954
1028.	15.32	2735.	2.893
1029.	15.36	2736.	2.931
1030.	15.39	2737.	2.922
1031.	15.38	2738.	2.916
1032.	15.39	2739.	2.916
1033.	15.42	2740.	2.881
1034.	15.38	2741.	2.943
1035.	15.39	2742.	2.942
1036.	15.45	2743.	2.893
1037.	15.43	2744.	2.883
1038.	15.4	2745.	2.939
1039.	15.42	2746.	2.93
1040.	15.43	2747.	2.873
1041.	15.41	2748.	2.902
1042.	15.46	2749.	2.91
1043.	15.44	2750.	2.88
1044.	15.47	2751.	2.931
1045.	15.43	2752.	2.908
1046.	15.43	2753.	2.883
1047.	15.42	2754.	2.879
1048.	15.41	2755.	2.877
1049.	15.43	2756.	2.872
1050.	15.44	2757.	2.865
1051.	15.47	2758.	2.895
1052.	15.44	2759.	2.867
1053.	15.48	2760.	2.851
1054.	15.45	2761.	2.891
1055.	15.47	2762.	2.863
1056.	15.51	2763.	2.9
1057.	15.5	2764.	2.879
1058.	15.5	2765.	2.876
1059.	15.47	2766.	2.844
1060.	15.49	2767.	2.822
1061.	15.52	2768.	2.844
1062.	15.5	2769.	2.858
1063.	15.51	2770.	2.854
1064.	15.49	2771.	2.85
1065.	15.51	2772.	2.853
1066.	15.51	2773.	2.848
1067.	15.51	2774.	2.866
1068.	15.53	2775.	2.829
1069.	15.51	2776.	2.867
1070.	15.53	2777.	2.826
1071.	15.53	2778.	2.842
1072.	15.58	2779.	2.865
1073.	15.56	2780.	2.887
1074.	15.55	2781.	2.832
1075.	15.52	2782.	2.848
1076.	15.56	2783.	2.847
1077.	15.57	2784.	2.831
1078.	15.57	2785.	2.796
1079.	15.59	2786.	2.835
1080.	15.57	2787.	2.814
1081.	15.58	2788.	2.822
1082.	15.59	2789.	2.842
1083.	15.59	2790.	2.846
1084.	15.59	2791.	2.803
1085.	15.6	2792.	2.783
1086.	15.58	2793.	2.809
1087.	15.6	2794.	2.807
1088.	15.61	2795.	2.809

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	15.63	2796.	2.821
1090.	15.57	2797.	2.799
1091.	15.57	2798.	2.797
1092.	15.61	2799.	2.807
1093.	15.65	2800.	2.809
1094.	15.61	2801.	2.82
1095.	15.62	2802.	2.824
1096.	15.64	2803.	2.81
1097.	15.66	2804.	2.801
1098.	15.64	2805.	2.805
1099.	15.64	2806.	2.774
1100.	15.67	2807.	2.781
1101.	15.67	2808.	2.788
1102.	15.65	2809.	2.783
1103.	15.66	2810.	2.815
1104.	15.68	2811.	2.774
1105.	15.69	2812.	2.776
1106.	15.64	2813.	2.803
1107.	15.67	2814.	2.769
1108.	15.73	2815.	2.796
1109.	15.68	2816.	2.793
1110.	15.66	2817.	2.792
1111.	15.68	2818.	2.769
1112.	15.7	2819.	2.805
1113.	15.7	2820.	2.727
1114.	15.71	2821.	2.771
1115.	15.72	2822.	2.755
1116.	15.7	2823.	2.779
1117.	15.73	2824.	2.781
1118.	15.7	2825.	2.755
1119.	15.73	2826.	2.755
1120.	15.7	2827.	2.774
1121.	15.71	2828.	2.75
1122.	15.7	2829.	2.772
1123.	15.71	2830.	2.734
1124.	15.73	2831.	2.735
1455.	15.67	2832.	2.737
1456.	15.6	2833.	2.722
1457.	15.55	2834.	2.756
1458.	15.45	2835.	2.787
1459.	15.39	2836.	2.741
1460.	15.32	2837.	2.741
1461.	15.25	2838.	2.748
1462.	15.14	2839.	2.763
1463.	15.11	2840.	2.738
1464.	15.06	2841.	2.746
1465.	14.99	2842.	2.741
1466.	14.92	2843.	2.725
1467.	14.81	2844.	2.754
1468.	14.81	2845.	2.75
1469.	14.73	2846.	2.717
1470.	14.66	2847.	2.747
1471.	14.59	2848.	2.73
1472.	14.54	2849.	2.71
1473.	14.5	2850.	2.735
1474.	14.43	2851.	2.718
1475.	14.34	2852.	2.694
1476.	14.28	2853.	2.735
1477.	14.21	2854.	2.709
1478.	14.16	2855.	2.739
1479.	14.15	2856.	2.711
1480.	14.08	2857.	2.721
1481.	14.01	2858.	2.707
1482.	13.94	2859.	2.712
1483.	13.88	2860.	2.711
1484.	13.85	2861.	2.724

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	13.77	2862.	2.675
1486.	13.74	2863.	2.724
1487.	13.67	2864.	2.689
1488.	13.65	2865.	2.704
1489.	13.55	2866.	2.703
1490.	13.5	2867.	2.709
1491.	13.48	2868.	2.704
1492.	13.44	2869.	2.714
1493.	13.36	2870.	2.672
1494.	13.31	2871.	2.69
1495.	13.3	2872.	2.702
1496.	13.24	2873.	2.656
1497.	13.18	2874.	2.664
1498.	13.14	2875.	2.688
1499.	13.07	2876.	2.725
1500.	13.02	2877.	2.685
1501.	12.96	2878.	2.694
1502.	12.92	2879.	2.714
1503.	12.94	2880.	2.666
1504.	12.82	2881.	2.67
1505.	12.78	2882.	2.656
1506.	12.74	2883.	2.657
1507.	12.75	2884.	2.651
1508.	12.69	2885.	2.673
1509.	12.61	2886.	2.665
1510.	12.62	2887.	2.632
1511.	12.52	2888.	2.682
1512.	12.47	2889.	2.659
1513.	12.45	2890.	2.66
1514.	12.41	2891.	2.642
1515.	12.38	2892.	2.657
1516.	12.3	2893.	2.657
1517.	12.26	2894.	2.646
1518.	12.23	2895.	2.621
1519.	12.2	2896.	2.651
1520.	12.15	2897.	2.65
1521.	12.14	2898.	2.638
1522.	12.1	2899.	2.685
1523.	12.03	2900.	2.644
1524.	11.99	2901.	2.619
1525.	11.99	2902.	2.663
1526.	11.9	2903.	2.657
1527.	11.93	2904.	2.618
1528.	11.86	2905.	2.67
1529.	11.83	2906.	2.663
1530.	11.76	2907.	2.621
1531.	11.75	2908.	2.629
1532.	11.68	2909.	2.649
1533.	11.7	2910.	2.644
1534.	11.63	2911.	2.632
1535.	11.6	2912.	2.605
1536.	11.55	2913.	2.641
1537.	11.51	2914.	2.634
1538.	11.49	2915.	2.623
1539.	11.44	2916.	2.637
1540.	11.41	2917.	2.632
1541.	11.36	2918.	2.644
1542.	11.32	2919.	2.638
1543.	11.33	2920.	2.613
1544.	11.3	2921.	2.59
1545.	11.26	2922.	2.625
1546.	11.21	2923.	2.601
1547.	11.22	2924.	2.621
1548.	11.18	2925.	2.618
1549.	11.15	2926.	2.665
1550.	11.12	2927.	2.604

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1551.	11.07	2928.	2.603
1552.	11.03	2929.	2.608
1553.	10.99	2930.	2.58
1554.	10.96	2931.	2.577
1555.	10.94	2932.	2.613
1556.	10.91	2933.	2.599
1557.	10.84	2934.	2.613
1558.	10.85	2935.	2.608
1559.	10.79	2936.	2.634
1560.	10.8	2937.	2.609
1561.	10.76	2938.	2.592
1562.	10.71	2939.	2.614
1563.	10.7	2940.	2.587
1564.	10.68	2941.	2.601
1565.	10.65	2942.	2.606
1566.	10.6	2943.	2.586
1567.	10.58	2944.	2.632
1568.	10.57	2945.	2.561
1569.	10.51	2946.	2.624
1570.	10.49	2947.	2.608
1571.	10.45	2948.	2.608
1572.	10.44	2949.	2.616
1573.	10.39	2950.	2.619
1574.	10.35	2951.	2.573
1575.	10.38	2952.	2.58
1576.	10.34	2953.	2.575
1577.	10.34	2954.	2.547
1578.	10.27	2955.	2.605
1579.	10.22	2956.	2.595
1580.	10.22	2957.	2.578
1581.	10.21	2958.	2.523
1582.	10.18	2959.	2.562
1583.	10.2	2960.	2.555
1584.	10.12	2961.	2.561
1585.	10.14	2962.	2.582
1586.	10.1	2963.	2.559
1587.	10.06	2964.	2.591
1588.	10.04	2965.	2.554
1589.	10.03	2966.	2.573
1590.	10.01	2967.	2.577
1591.	9.941	2968.	2.606
1592.	9.944	2969.	2.563
1593.	9.892	2970.	2.563
1594.	9.882	2971.	2.559
1595.	9.869	2972.	2.537
1596.	9.824	2973.	2.563
1597.	9.817	2974.	2.587
1598.	9.802	2975.	2.55
1599.	9.762	2976.	2.563
1600.	9.718	2977.	2.584
1601.	9.709	2978.	2.573
1602.	9.696	2979.	2.545
1603.	9.689	2980.	2.541
1604.	9.67	2981.	2.534
1605.	9.637	2982.	2.55
1606.	9.603	2983.	2.546
1607.	9.62	2984.	2.535
1608.	9.601	2985.	2.579
1609.	9.554	2986.	2.553
1610.	9.523	2987.	2.53
1611.	9.529	2988.	2.539
1612.	9.479	2989.	2.545
1613.	9.46	2990.	2.545
1614.	9.453	2991.	2.559
1615.	9.431	2992.	2.543
1616.	9.386	2993.	2.565

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1617.	9.391	2994.	2.532
1618.	9.362	2995.	2.563
1619.	9.357	2996.	2.525
1620.	9.306	2997.	2.54
1621.	9.277	2998.	2.509
1622.	9.294	2999.	2.464
1623.	9.256	3000.	2.524
1624.	9.26	3001.	2.513
1625.	9.175	3002.	2.539
1626.	9.215	3003.	2.536
1627.	9.195	3004.	2.552
1628.	9.161	3005.	2.544
1629.	9.162	3006.	2.531
1630.	9.132	3007.	2.555
1631.	9.109	3008.	2.52
1632.	9.076	3009.	2.536
1633.	9.076	3010.	2.491
1634.	9.06	3011.	2.553
1635.	9.049	3012.	2.498
1636.	9.007	3013.	2.502
1637.	8.984	3014.	2.545
1638.	8.955	3015.	2.516
1639.	8.966	3016.	2.501
1640.	8.917	3017.	2.543
1641.	8.929	3018.	2.514
1642.	8.92	3019.	2.514
1643.	8.92	3020.	2.504
1644.	8.881	3021.	2.487
1645.	8.862	3022.	2.52
1646.	8.881	3023.	2.501
1647.	8.803	3024.	2.525
1648.	8.777	3025.	2.504
1649.	8.772	3026.	2.524
1650.	8.727	3027.	2.514
1651.	8.729	3028.	2.538
1652.	8.722	3029.	2.487
1653.	8.719	3030.	2.507
1654.	8.685	3031.	2.506
1655.	8.648	3032.	2.508
1656.	8.63	3033.	2.531
1657.	8.607	3034.	2.494
1658.	8.59	3035.	2.497
1659.	8.617	3036.	2.504
1660.	8.599	3037.	2.494
1661.	8.592	3038.	2.5
1662.	8.544	3039.	2.499
1663.	8.507	3040.	2.493
1664.	8.486	3041.	2.485
1665.	8.501	3042.	2.476
1666.	8.488	3043.	2.461
1667.	8.469	3044.	2.463
1668.	8.438	3045.	2.483
1669.	8.436	3046.	2.506
1670.	8.416	3047.	2.481
1671.	8.431	3048.	2.493
1672.	8.383	3049.	2.49
1673.	8.367	3050.	2.485
1674.	8.35	3051.	2.467
1675.	8.306	3052.	2.523
1676.	8.271	3053.	2.458
1677.	8.298	3054.	2.498
1678.	8.274	3055.	2.463
1679.	8.273	3056.	2.473
1680.	8.244	3057.	2.472
1681.	8.257	3058.	2.467
1682.	8.246	3059.	2.474

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1683.	8.209	3060.	2.439
1684.	8.183	3061.	2.473
1685.	8.189	3062.	2.459
1686.	8.151	3063.	2.467
1687.	8.145	3064.	2.459
1688.	8.148	3065.	2.489
1689.	8.105	3066.	2.476
1690.	8.101	3067.	2.496
1691.	8.061	3068.	2.494
1692.	8.048	3069.	2.453
1693.	8.075	3070.	2.445
1694.	8.065	3071.	2.451
1695.	8.006	3072.	2.465
1696.	8.04	3073.	2.485
1697.	7.983	3074.	2.44
1698.	8.007	3075.	2.468
1699.	7.969	3076.	2.459
1700.	7.977	3077.	2.478
1701.	7.961	3078.	2.455
1702.	7.963	3079.	2.445
1703.	7.904	3080.	2.465
1704.	7.874	3081.	2.445
1705.	7.905	3082.	2.414
1706.	7.877	3083.	2.458
1707.	7.851	3084.	2.459

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1318.9	ft^2/day
S	8.667E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.49 ft/day (0.005816 cm/sec)
Ss = S/b = 1.083E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1308.4	2.189	+/- 4.293	597.7	ft^2/day
S	8.607E-5	3.697E-7	+/- 7.249E-7	232.8	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.36 ft/day (0.00577 cm/sec)
Ss = S/b = 1.076E-6 1/ft

Parameter Correlations

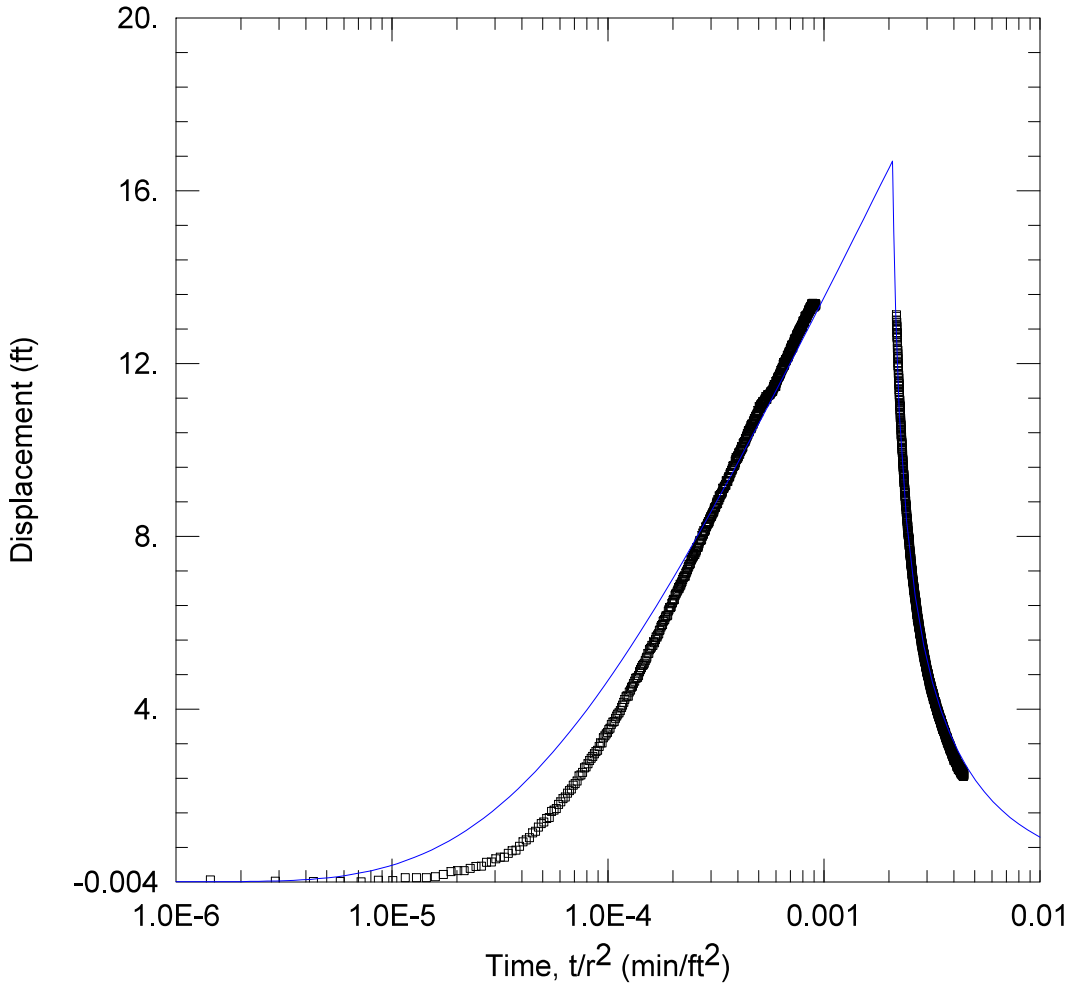
	T	S
T	1.00	-0.80

S -0.80 1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 345.4 ft^2
Variance . . . . . 0.1255 ft^2
Std. Deviation . . . . . 0.3543 ft
Mean . . . . . -0.1379 ft
No. of Residuals 2754
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW21.aqt
Date: 04/11/25 Time: 12:08:43

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW21	402	1064

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1301.6 ft^2/day
S = 0.0001032
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:03:15

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW21

X Location: 402. ft
Y Location: 1064. ft

Radial distance from BM 1B: 832.3268589 ft
Radial distance from BM2A: 1126.563802 ft
Radial distance from BM3: 429.0104894 ft
Radial distance from BM 4 : 499.2955037 ft
Radial distance from BM5: 440.1056691 ft
Radial distance from BM 6: 663.3973168 ft
Radial distance from BM7: 1030.483382 ft
Radial distance from BM9: 1713.527648 ft

Fully Penetrating Well

No. of Observations: 2213

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.03977	1972.	5.482
2.	0.01262	1973.	5.483
3.	0.002001	1974.	5.51
4.	0.001389	1975.	5.441
5.	-0.003186	1976.	5.469
6.	0.03029	1977.	5.482
7.	0.02375	1978.	5.456
8.	0.08979	1979.	5.461
9.	0.09487	1980.	5.427
10.	0.09296	1981.	5.417
11.	0.1136	1982.	5.413
12.	0.1645	1983.	5.429
13.	0.2358	1984.	5.401
14.	0.2584	1985.	5.424
15.	0.259	1986.	5.409
16.	0.304	1987.	5.396
17.	0.3495	1988.	5.391
18.	0.356	1989.	5.394
19.	0.4468	1990.	5.391
20.	0.4528	1991.	5.359
21.	0.5291	1992.	5.342
22.	0.5647	1993.	5.356
23.	0.5673	1994.	5.363
24.	0.6549	1995.	5.347
25.	0.718	1996.	5.358
26.	0.7266	1997.	5.379
27.	0.8183	1998.	5.347
28.	0.9226	1999.	5.276
29.	0.965	2000.	5.307
30.	1.02	2001.	5.324
31.	1.13	2002.	5.267
32.	1.169	2003.	5.301

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.262	2004.	5.283
34.	1.344	2005.	5.301
35.	1.379	2006.	5.274
36.	1.462	2007.	5.278
37.	1.483	2008.	5.284
38.	1.624	2009.	5.284
39.	1.652	2010.	5.277
40.	1.691	2011.	5.229
41.	1.788	2012.	5.223
42.	1.851	2013.	5.248
43.	1.921	2014.	5.263
44.	1.959	2015.	5.267
45.	2.05	2016.	5.26
46.	2.11	2017.	5.193
47.	2.148	2018.	5.222
48.	2.233	2019.	5.18
49.	2.271	2020.	5.246
50.	2.327	2021.	5.206
51.	2.449	2022.	5.177
52.	2.468	2023.	5.188
53.	2.531	2024.	5.151
54.	2.636	2025.	5.18
55.	2.656	2026.	5.185
56.	2.726	2027.	5.19
57.	2.803	2028.	5.122
58.	2.859	2029.	5.136
59.	2.9	2030.	5.135
60.	2.96	2031.	5.111
61.	3.008	2032.	5.133
62.	3.041	2033.	5.14
63.	3.127	2034.	5.148
64.	3.213	2035.	5.133
65.	3.209	2036.	5.117
66.	3.332	2037.	5.1
67.	3.374	2038.	5.078
68.	3.416	2039.	5.112
69.	3.455	2040.	5.117
70.	3.525	2041.	5.093
71.	3.554	2042.	5.086
72.	3.642	2043.	5.074
73.	3.693	2044.	5.079
74.	3.709	2045.	5.087
75.	3.783	2046.	5.1
76.	3.836	2047.	5.07
77.	3.881	2048.	5.043
78.	3.91	2049.	5.025
79.	3.963	2050.	5.054
80.	4.031	2051.	5.073
81.	4.085	2052.	5.085
82.	4.151	2053.	5.022
83.	4.22	2054.	5.004
84.	4.275	2055.	5.021
85.	4.303	2056.	4.987
86.	4.294	2057.	4.992
87.	4.39	2058.	4.987
88.	4.436	2059.	4.99
89.	4.504	2060.	4.962
90.	4.525	2061.	5.022
91.	4.591	2062.	4.972
92.	4.643	2063.	4.994
93.	4.705	2064.	4.97
94.	4.715	2065.	4.958
95.	4.733	2066.	4.978
96.	4.777	2067.	4.938
97.	4.857	2068.	4.896
98.	4.906	2069.	4.938

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	4.954	2070.	4.941
100.	5.01	2071.	4.933
101.	5.021	2072.	4.942
102.	5.062	2073.	4.96
103.	5.117	2074.	4.923
104.	5.162	2075.	4.884
105.	5.199	2076.	4.917
106.	5.278	2077.	4.887
107.	5.29	2078.	4.868
108.	5.365	2079.	4.902
109.	5.399	2080.	4.852
110.	5.426	2081.	4.878
111.	5.468	2082.	4.901
112.	5.468	2083.	4.876
113.	5.556	2084.	4.853
114.	5.531	2085.	4.867
115.	5.602	2086.	4.873
116.	5.664	2087.	4.842
117.	5.666	2088.	4.829
118.	5.705	2089.	4.828
119.	5.739	2090.	4.842
120.	5.813	2091.	4.842
121.	5.828	2092.	4.837
122.	5.891	2093.	4.809
123.	5.93	2094.	4.863
124.	5.951	2095.	4.829
125.	6.029	2096.	4.819
126.	6.044	2097.	4.804
127.	6.072	2098.	4.777
128.	6.121	2099.	4.796
129.	6.15	2100.	4.785
130.	6.151	2101.	4.778
131.	6.173	2102.	4.785
132.	6.267	2103.	4.821
133.	6.3	2104.	4.767
134.	6.349	2105.	4.774
135.	6.349	2106.	4.754
136.	6.375	2107.	4.782
137.	6.432	2108.	4.795
138.	6.469	2109.	4.745
139.	6.514	2110.	4.786
140.	6.538	2111.	4.78
141.	6.535	2112.	4.748
142.	6.622	2113.	4.739
143.	6.662	2114.	4.719
144.	6.681	2115.	4.716
145.	6.728	2116.	4.729
146.	6.754	2117.	4.696
147.	6.813	2118.	4.709
148.	6.792	2119.	4.724
149.	6.837	2120.	4.676
150.	6.892	2121.	4.733
151.	6.868	2122.	4.71
152.	6.92	2123.	4.696
153.	6.952	2124.	4.694
154.	7.002	2125.	4.62
155.	7.047	2126.	4.703
156.	7.061	2127.	4.672
157.	7.085	2128.	4.636
158.	7.074	2129.	4.667
159.	7.142	2130.	4.674
160.	7.162	2131.	4.674
161.	7.19	2132.	4.654
162.	7.229	2133.	4.641
163.	7.277	2134.	4.644
164.	7.304	2135.	4.666

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.352	2136.	4.652
166.	7.347	2137.	4.661
167.	7.373	2138.	4.587
168.	7.442	2139.	4.628
169.	7.45	2140.	4.566
170.	7.478	2141.	4.614
171.	7.51	2142.	4.62
172.	7.534	2143.	4.594
173.	7.554	2144.	4.593
174.	7.601	2145.	4.62
175.	7.581	2146.	4.585
176.	7.653	2147.	4.616
177.	7.627	2148.	4.556
178.	7.675	2149.	4.594
179.	7.731	2150.	4.594
180.	7.738	2151.	4.593
181.	7.745	2152.	4.538
182.	7.774	2153.	4.58
183.	7.821	2154.	4.55
184.	7.868	2155.	4.564
185.	7.904	2156.	4.534
186.	7.902	2157.	4.552
187.	7.903	2158.	4.508
188.	7.929	2159.	4.536
189.	8.015	2160.	4.505
190.	7.998	2161.	4.531
191.	8.073	2162.	4.522
192.	8.049	2163.	4.537
193.	8.127	2164.	4.504
194.	8.114	2165.	4.525
195.	8.117	2166.	4.52
196.	8.14	2167.	4.499
197.	8.215	2168.	4.531
198.	8.213	2169.	4.468
199.	8.241	2170.	4.537
200.	8.279	2171.	4.488
201.	8.287	2172.	4.501
202.	8.334	2173.	4.462
203.	8.305	2174.	4.468
204.	8.339	2175.	4.441
205.	8.395	2176.	4.445
206.	8.399	2177.	4.476
207.	8.438	2178.	4.436
208.	8.455	2179.	4.499
209.	8.462	2180.	4.461
210.	8.494	2181.	4.461
211.	8.514	2182.	4.437
212.	8.545	2183.	4.455
213.	8.543	2184.	4.424
214.	8.57	2185.	4.422
215.	8.611	2186.	4.479
216.	8.653	2187.	4.425
217.	8.661	2188.	4.424
218.	8.668	2189.	4.386
219.	8.686	2190.	4.406
220.	8.729	2191.	4.424
221.	8.766	2192.	4.424
222.	8.798	2193.	4.397
223.	8.752	2194.	4.373
224.	8.844	2195.	4.406
225.	8.832	2196.	4.38
226.	8.831	2197.	4.383
227.	8.932	2198.	4.369
228.	8.895	2199.	4.407
229.	8.895	2200.	4.335
230.	8.945	2201.	4.381

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	8.962	2202.	4.391
232.	8.965	2203.	4.373
233.	8.987	2204.	4.38
234.	9.004	2205.	4.35
235.	9.039	2206.	4.349
236.	9.107	2207.	4.349
237.	9.1	2208.	4.361
238.	9.103	2209.	4.335
239.	9.116	2210.	4.314
240.	9.149	2211.	4.33
241.	9.158	2212.	4.363
242.	9.178	2213.	4.321
243.	9.199	2214.	4.351
244.	9.182	2215.	4.349
245.	9.285	2216.	4.368
246.	9.267	2217.	4.323
247.	9.288	2218.	4.283
248.	9.284	2219.	4.295
249.	9.266	2220.	4.301
250.	9.333	2221.	4.313
251.	9.372	2222.	4.347
252.	9.37	2223.	4.304
253.	9.37	2224.	4.294
254.	9.389	2225.	4.331
255.	9.436	2226.	4.328
256.	9.465	2227.	4.233
257.	9.464	2228.	4.314
258.	9.476	2229.	4.253
259.	9.525	2230.	4.296
260.	9.528	2231.	4.236
261.	9.561	2232.	4.218
262.	9.558	2233.	4.309
263.	9.624	2234.	4.237
264.	9.621	2235.	4.236
265.	9.614	2236.	4.236
266.	9.639	2237.	4.218
267.	9.637	2238.	4.269
268.	9.643	2239.	4.258
269.	9.739	2240.	4.259
270.	9.691	2241.	4.228
271.	9.766	2242.	4.253
272.	9.819	2243.	4.281
273.	9.769	2244.	4.184
274.	9.796	2245.	4.229
275.	9.797	2246.	4.232
276.	9.851	2247.	4.202
277.	9.803	2248.	4.228
278.	9.865	2249.	4.228
279.	9.845	2250.	4.214
280.	9.914	2251.	4.233
281.	9.933	2252.	4.165
282.	9.894	2253.	4.177
283.	9.954	2254.	4.209
284.	9.961	2255.	4.147
285.	9.972	2256.	4.176
286.	10.01	2257.	4.174
287.	10.	2258.	4.172
288.	10.07	2259.	4.116
289.	10.02	2260.	4.167
290.	10.06	2261.	4.174
291.	10.06	2262.	4.163
292.	10.07	2263.	4.165
293.	10.15	2264.	4.162
294.	10.15	2265.	4.157
295.	10.15	2266.	4.161
296.	10.17	2267.	4.15

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	10.19	2268.	4.168
298.	10.19	2269.	4.156
299.	10.19	2270.	4.141
300.	10.26	2271.	4.142
301.	10.23	2272.	4.099
302.	10.26	2273.	4.141
303.	10.28	2274.	4.132
304.	10.3	2275.	4.128
305.	10.31	2276.	4.146
306.	10.33	2277.	4.122
307.	10.38	2278.	4.089
308.	10.36	2279.	4.13
309.	10.36	2280.	4.087
310.	10.44	2281.	4.102
311.	10.44	2282.	4.135
312.	10.41	2283.	4.086
313.	10.42	2284.	4.13
314.	10.45	2285.	4.093
315.	10.48	2286.	4.094
316.	10.5	2287.	4.09
317.	10.5	2288.	4.119
318.	10.55	2289.	4.082
319.	10.49	2290.	4.04
320.	10.53	2291.	4.065
321.	10.59	2292.	4.042
322.	10.53	2293.	4.075
323.	10.57	2294.	4.097
324.	10.59	2295.	4.042
325.	10.6	2296.	4.056
326.	10.59	2297.	4.075
327.	10.66	2298.	4.032
328.	10.66	2299.	4.042
329.	10.66	2300.	4.027
330.	10.72	2301.	4.047
331.	10.68	2302.	4.069
332.	10.71	2303.	4.017
333.	10.71	2304.	4.021
334.	10.72	2305.	4.04
335.	10.77	2306.	4.034
336.	10.76	2307.	4.056
337.	10.77	2308.	3.979
338.	10.79	2309.	4.001
339.	10.81	2310.	3.971
340.	10.8	2311.	4.024
341.	10.84	2312.	3.958
342.	10.82	2313.	4.
343.	10.91	2314.	3.992
344.	10.86	2315.	3.993
345.	10.89	2316.	3.959
346.	10.89	2317.	3.978
347.	10.87	2318.	4.008
348.	11.	2319.	3.978
349.	11.	2320.	3.964
350.	10.97	2321.	3.976
351.	10.95	2322.	3.968
352.	11.04	2323.	3.996
353.	10.97	2324.	3.978
354.	10.97	2325.	3.967
355.	10.99	2326.	3.983
356.	11.06	2327.	3.968
357.	11.05	2328.	3.956
358.	11.04	2329.	3.965
359.	11.06	2330.	3.963
360.	11.08	2331.	3.96
361.	11.11	2332.	3.957
362.	11.07	2333.	3.959

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	11.1	2334.	3.912
364.	11.12	2335.	3.91
365.	11.11	2336.	3.911
366.	11.12	2337.	3.914
367.	11.13	2338.	3.907
368.	11.12	2339.	3.949
369.	11.13	2340.	3.917
370.	11.16	2341.	3.868
371.	11.18	2342.	3.906
372.	11.19	2343.	3.902
373.	11.23	2344.	3.882
374.	11.19	2345.	3.926
375.	11.19	2346.	3.886
376.	11.17	2347.	3.875
377.	11.23	2348.	3.911
378.	11.17	2349.	3.892
379.	11.24	2350.	3.869
380.	11.23	2351.	3.867
381.	11.25	2352.	3.88
382.	11.27	2353.	3.868
383.	11.25	2354.	3.876
384.	11.27	2355.	3.868
385.	11.28	2356.	3.899
386.	11.28	2357.	3.81
387.	11.27	2358.	3.845
388.	11.28	2359.	3.847
389.	11.27	2360.	3.829
390.	11.29	2361.	3.83
391.	11.29	2362.	3.875
392.	11.32	2363.	3.866
393.	11.32	2364.	3.834
394.	11.34	2365.	3.856
395.	11.33	2366.	3.853
396.	11.36	2367.	3.83
397.	11.34	2368.	3.833
398.	11.36	2369.	3.821
399.	11.36	2370.	3.819
400.	11.37	2371.	3.829
401.	11.36	2372.	3.826
402.	11.37	2373.	3.833
403.	11.4	2374.	3.8
404.	11.43	2375.	3.8
405.	11.43	2376.	3.85
406.	11.47	2377.	3.85
407.	11.44	2378.	3.8
408.	11.51	2379.	3.803
409.	11.51	2380.	3.824
410.	11.51	2381.	3.773
411.	11.47	2382.	3.803
412.	11.47	2383.	3.785
413.	11.5	2384.	3.761
414.	11.49	2385.	3.782
415.	11.47	2386.	3.773
416.	11.58	2387.	3.785
417.	11.54	2388.	3.771
418.	11.56	2389.	3.757
419.	11.59	2390.	3.772
420.	11.59	2391.	3.771
421.	11.61	2392.	3.755
422.	11.63	2393.	3.801
423.	11.65	2394.	3.773
424.	11.65	2395.	3.763
425.	11.67	2396.	3.74
426.	11.68	2397.	3.754
427.	11.69	2398.	3.763
428.	11.69	2399.	3.75

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	11.71	2400.	3.721
430.	11.7	2401.	3.748
431.	11.72	2402.	3.746
432.	11.75	2403.	3.742
433.	11.75	2404.	3.736
434.	11.76	2405.	3.736
435.	11.76	2406.	3.753
436.	11.78	2407.	3.729
437.	11.78	2408.	3.745
438.	11.8	2409.	3.681
439.	11.84	2410.	3.72
440.	11.84	2411.	3.68
441.	11.85	2412.	3.695
442.	11.84	2413.	3.682
443.	11.85	2414.	3.747
444.	11.9	2415.	3.719
445.	11.89	2416.	3.724
446.	11.9	2417.	3.741
447.	11.9	2418.	3.704
448.	11.91	2419.	3.745
449.	11.98	2420.	3.72
450.	11.94	2421.	3.695
451.	12.02	2422.	3.682
452.	11.94	2423.	3.651
453.	11.97	2424.	3.65
454.	11.97	2425.	3.661
455.	12.02	2426.	3.734
456.	11.96	2427.	3.66
457.	11.99	2428.	3.62
458.	12.04	2429.	3.674
459.	12.05	2430.	3.666
460.	12.09	2431.	3.669
461.	12.09	2432.	3.66
462.	12.05	2433.	3.666
463.	12.06	2434.	3.66
464.	12.1	2435.	3.65
465.	12.08	2436.	3.669
466.	12.11	2437.	3.633
467.	12.12	2438.	3.649
468.	12.13	2439.	3.649
469.	12.13	2440.	3.645
470.	12.19	2441.	3.579
471.	12.15	2442.	3.654
472.	12.14	2443.	3.601
473.	12.19	2444.	3.615
474.	12.18	2445.	3.628
475.	12.16	2446.	3.654
476.	12.22	2447.	3.603
477.	12.19	2448.	3.611
478.	12.24	2449.	3.6
479.	12.27	2450.	3.628
480.	12.26	2451.	3.622
481.	12.27	2452.	3.628
482.	12.28	2453.	3.605
483.	12.26	2454.	3.598
484.	12.29	2455.	3.609
485.	12.32	2456.	3.572
486.	12.35	2457.	3.61
487.	12.3	2458.	3.58
488.	12.33	2459.	3.594
489.	12.31	2460.	3.521
490.	12.33	2461.	3.589
491.	12.42	2462.	3.579
492.	12.35	2463.	3.586
493.	12.35	2464.	3.57
494.	12.36	2465.	3.61

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	12.37	2466.	3.588
496.	12.42	2467.	3.564
497.	12.37	2468.	3.576
498.	12.4	2469.	3.569
499.	12.45	2470.	3.563
500.	12.45	2471.	3.551
501.	12.44	2472.	3.559
502.	12.48	2473.	3.545
503.	12.47	2474.	3.543
504.	12.5	2475.	3.56
505.	12.47	2476.	3.566
506.	12.56	2477.	3.507
507.	12.5	2478.	3.527
508.	12.5	2479.	3.533
509.	12.53	2480.	3.576
510.	12.53	2481.	3.513
511.	12.54	2482.	3.525
512.	12.57	2483.	3.56
513.	12.57	2484.	3.505
514.	12.59	2485.	3.499
515.	12.59	2486.	3.507
516.	12.57	2487.	3.507
517.	12.61	2488.	3.507
518.	12.62	2489.	3.527
519.	12.66	2490.	3.509
520.	12.6	2491.	3.5
521.	12.65	2492.	3.47
522.	12.64	2493.	3.539
523.	12.65	2494.	3.513
524.	12.7	2495.	3.507
525.	12.65	2496.	3.476
526.	12.7	2497.	3.499
527.	12.7	2498.	3.476
528.	12.69	2499.	3.495
529.	12.74	2500.	3.491
530.	12.69	2501.	3.469
531.	12.71	2502.	3.473
532.	12.77	2503.	3.454
533.	12.77	2504.	3.454
534.	12.74	2505.	3.473
535.	12.78	2506.	3.47
536.	12.77	2507.	3.474
537.	12.79	2508.	3.454
538.	12.76	2509.	3.455
539.	12.8	2510.	3.442
540.	12.82	2511.	3.461
541.	12.79	2512.	3.462
542.	12.83	2513.	3.466
543.	12.82	2514.	3.417
544.	12.84	2515.	3.441
545.	12.87	2516.	3.442
546.	12.82	2517.	3.441
547.	12.85	2518.	3.439
548.	12.89	2519.	3.45
549.	12.85	2520.	3.425
550.	12.87	2521.	3.43
551.	12.88	2522.	3.434
552.	12.88	2523.	3.428
553.	12.84	2524.	3.417
554.	12.93	2525.	3.421
555.	12.98	2526.	3.388
556.	12.93	2527.	3.416
557.	12.97	2528.	3.388
558.	12.94	2529.	3.466
559.	12.94	2530.	3.418
560.	12.99	2531.	3.397

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	12.99	2532.	3.41
562.	12.96	2533.	3.373
563.	12.96	2534.	3.387
564.	12.99	2535.	3.402
565.	13.01	2536.	3.407
566.	13.08	2537.	3.364
567.	13.02	2538.	3.348
568.	13.03	2539.	3.423
569.	13.04	2540.	3.369
570.	13.04	2541.	3.374
571.	13.08	2542.	3.374
572.	13.08	2543.	3.377
573.	13.1	2544.	3.37
574.	13.11	2545.	3.348
575.	13.05	2546.	3.341
576.	13.11	2547.	3.35
577.	13.05	2548.	3.334
578.	13.09	2549.	3.348
579.	13.12	2550.	3.381
580.	13.14	2551.	3.35
581.	13.1	2552.	3.353
582.	13.13	2553.	3.341
583.	13.16	2554.	3.357
584.	13.15	2555.	3.358
585.	13.16	2556.	3.329
586.	13.18	2557.	3.337
587.	13.16	2558.	3.293
588.	13.2	2559.	3.305
589.	13.23	2560.	3.305
590.	13.18	2561.	3.299
591.	13.19	2562.	3.347
592.	13.22	2563.	3.305
593.	13.25	2564.	3.333
594.	13.21	2565.	3.345
595.	13.24	2566.	3.308
596.	13.25	2567.	3.332
597.	13.26	2568.	3.32
598.	13.27	2569.	3.332
599.	13.3	2570.	3.32
600.	13.27	2571.	3.309
601.	13.25	2572.	3.284
602.	13.31	2573.	3.312
603.	13.26	2574.	3.298
604.	13.25	2575.	3.348
605.	13.32	2576.	3.265
606.	13.34	2577.	3.306
607.	13.32	2578.	3.298
608.	13.35	2579.	3.281
609.	13.38	2580.	3.281
610.	13.36	2581.	3.272
611.	13.34	2582.	3.263
612.	13.36	2583.	3.29
613.	13.38	2584.	3.281
614.	13.36	2585.	3.262
615.	13.39	2586.	3.269
616.	13.39	2587.	3.273
617.	13.35	2588.	3.214
618.	13.36	2589.	3.278
619.	13.37	2590.	3.262
620.	13.36	2591.	3.269
621.	13.36	2592.	3.266
622.	13.36	2593.	3.226
623.	13.38	2594.	3.285
624.	13.34	2595.	3.226
625.	13.3	2596.	3.257
626.	13.34	2597.	3.224

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	13.36	2598.	3.248
628.	13.38	2599.	3.24
629.	13.37	2600.	3.238
630.	13.35	2601.	3.243
631.	13.33	2602.	3.236
632.	13.37	2603.	3.243
633.	13.34	2604.	3.21
634.	13.36	2605.	3.234
635.	13.38	2606.	3.194
636.	13.37	2607.	3.244
637.	13.34	2608.	3.224
1502.	13.12	2609.	3.208
1503.	13.09	2610.	3.232
1504.	13.	2611.	3.194
1505.	13.	2612.	3.224
1506.	12.96	2613.	3.215
1507.	12.87	2614.	3.203
1508.	12.85	2615.	3.172
1509.	12.85	2616.	3.195
1510.	12.79	2617.	3.229
1511.	12.71	2618.	3.195
1512.	12.71	2619.	3.172
1513.	12.63	2620.	3.204
1514.	12.61	2621.	3.219
1515.	12.58	2622.	3.214
1516.	12.48	2623.	3.211
1517.	12.5	2624.	3.184
1518.	12.43	2625.	3.157
1519.	12.35	2626.	3.177
1520.	12.34	2627.	3.181
1521.	12.3	2628.	3.178
1522.	12.31	2629.	3.175
1523.	12.24	2630.	3.148
1524.	12.21	2631.	3.19
1525.	12.16	2632.	3.176
1526.	12.11	2633.	3.159
1527.	12.1	2634.	3.169
1528.	12.01	2635.	3.176
1529.	12.01	2636.	3.127
1530.	11.95	2637.	3.172
1531.	11.94	2638.	3.147
1532.	11.93	2639.	3.176
1533.	11.9	2640.	3.133
1534.	11.82	2641.	3.147
1535.	11.77	2642.	3.132
1536.	11.76	2643.	3.185
1537.	11.73	2644.	3.133
1538.	11.66	2645.	3.125
1539.	11.66	2646.	3.116
1540.	11.6	2647.	3.147
1541.	11.54	2648.	3.113
1542.	11.55	2649.	3.098
1543.	11.53	2650.	3.13
1544.	11.49	2651.	3.133
1545.	11.47	2652.	3.095
1546.	11.39	2653.	3.104
1547.	11.39	2654.	3.146
1548.	11.32	2655.	3.158
1549.	11.34	2656.	3.1
1550.	11.27	2657.	3.1
1551.	11.27	2658.	3.13
1552.	11.22	2659.	3.069
1553.	11.15	2660.	3.072
1554.	11.17	2661.	3.138
1555.	11.15	2662.	3.115
1556.	11.09	2663.	3.117

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1557.	11.06	2664.	3.094
1558.	11.03	2665.	3.093
1559.	11.01	2666.	3.1
1560.	11.01	2667.	3.049
1561.	10.94	2668.	3.077
1562.	10.92	2669.	3.091
1563.	10.87	2670.	3.093
1564.	10.91	2671.	3.094
1565.	10.83	2672.	3.101
1566.	10.8	2673.	3.046
1567.	10.75	2674.	3.065
1568.	10.75	2675.	3.025
1569.	10.74	2676.	3.075
1570.	10.7	2677.	3.039
1571.	10.66	2678.	3.048
1572.	10.64	2679.	3.046
1573.	10.61	2680.	3.071
1574.	10.58	2681.	3.034
1575.	10.57	2682.	3.077
1576.	10.55	2683.	3.066
1577.	10.51	2684.	3.092
1578.	10.46	2685.	3.053
1579.	10.48	2686.	3.048
1580.	10.44	2687.	3.048
1581.	10.36	2688.	3.06
1582.	10.34	2689.	3.024
1583.	10.34	2690.	3.079
1584.	10.3	2691.	3.051
1585.	10.3	2692.	3.026
1586.	10.23	2693.	3.07
1587.	10.24	2694.	3.036
1588.	10.21	2695.	3.06
1589.	10.21	2696.	3.021
1590.	10.17	2697.	3.033
1591.	10.16	2698.	3.012
1592.	10.13	2699.	3.026
1593.	10.08	2700.	2.996
1594.	10.12	2701.	2.999
1595.	10.03	2702.	3.058
1596.	10.	2703.	3.026
1597.	10.02	2704.	3.011
1598.	9.99	2705.	2.989
1599.	9.979	2706.	3.032
1600.	9.934	2707.	3.022
1601.	9.924	2708.	3.01
1602.	9.896	2709.	3.005
1603.	9.87	2710.	3.02
1604.	9.799	2711.	2.996
1605.	9.842	2712.	2.997
1606.	9.804	2713.	2.967
1607.	9.779	2714.	2.987
1608.	9.72	2715.	2.992
1609.	9.753	2716.	3.013
1610.	9.741	2717.	2.945
1611.	9.68	2718.	3.026
1612.	9.653	2719.	2.992
1613.	9.644	2720.	3.01
1614.	9.616	2721.	2.999
1615.	9.593	2722.	2.997
1616.	9.588	2723.	2.961
1617.	9.523	2724.	2.945
1618.	9.559	2725.	2.952
1619.	9.503	2726.	3.006
1620.	9.518	2727.	2.996
1621.	9.482	2728.	2.918
1622.	9.45	2729.	2.981

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1623.	9.437	2730.	2.961
1624.	9.4	2731.	2.954
1625.	9.417	2732.	2.966
1626.	9.375	2733.	2.992
1627.	9.342	2734.	2.996
1628.	9.336	2735.	2.918
1629.	9.289	2736.	2.923
1630.	9.31	2737.	2.961
1631.	9.234	2738.	2.955
1632.	9.235	2739.	2.935
1633.	9.259	2740.	2.94
1634.	9.183	2741.	2.961
1635.	9.178	2742.	2.905
1636.	9.184	2743.	2.928
1637.	9.131	2744.	2.936
1638.	9.114	2745.	2.93
1639.	9.109	2746.	2.948
1640.	9.077	2747.	2.933
1641.	9.056	2748.	2.9
1642.	9.03	2749.	2.961
1643.	9.102	2750.	2.928
1644.	9.012	2751.	2.889
1645.	9.012	2752.	2.925
1646.	8.949	2753.	2.893
1647.	8.977	2754.	2.935
1648.	8.912	2755.	2.917
1649.	8.938	2756.	2.893
1650.	8.914	2757.	2.889
1651.	8.866	2758.	2.926
1652.	8.847	2759.	2.896
1653.	8.846	2760.	2.88
1654.	8.812	2761.	2.899
1655.	8.817	2762.	2.897
1656.	8.816	2763.	2.865
1657.	8.819	2764.	2.886
1658.	8.756	2765.	2.878
1659.	8.726	2766.	2.863
1660.	8.73	2767.	2.875
1661.	8.742	2768.	2.901
1662.	8.702	2769.	2.894
1663.	8.699	2770.	2.899
1664.	8.682	2771.	2.912
1665.	8.683	2772.	2.877
1666.	8.663	2773.	2.88
1667.	8.615	2774.	2.863
1668.	8.594	2775.	2.853
1669.	8.566	2776.	2.81
1670.	8.608	2777.	2.901
1671.	8.56	2778.	2.81
1672.	8.543	2779.	2.842
1673.	8.538	2780.	2.86
1674.	8.517	2781.	2.897
1675.	8.466	2782.	2.918
1676.	8.446	2783.	2.881
1677.	8.496	2784.	2.889
1678.	8.402	2785.	2.855
1679.	8.413	2786.	2.862
1680.	8.396	2787.	2.815
1681.	8.422	2788.	2.839
1682.	8.357	2789.	2.839
1683.	8.38	2790.	2.862
1684.	8.331	2791.	2.819
1685.	8.337	2792.	2.84
1686.	8.348	2793.	2.829
1687.	8.279	2794.	2.875
1688.	8.297	2795.	2.812

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1689.	8.253	2796.	2.874
1690.	8.219	2797.	2.875
1691.	8.255	2798.	2.84
1692.	8.238	2799.	2.809
1693.	8.214	2800.	2.85
1694.	8.216	2801.	2.823
1695.	8.227	2802.	2.83
1696.	8.157	2803.	2.818
1697.	8.142	2804.	2.853
1698.	8.127	2805.	2.856
1699.	8.113	2806.	2.819
1700.	8.077	2807.	2.86
1701.	8.071	2808.	2.814
1702.	8.056	2809.	2.804
1703.	8.041	2810.	2.807
1704.	8.026	2811.	2.792
1705.	8.031	2812.	2.797
1706.	8.022	2813.	2.856
1707.	8.016	2814.	2.848
1708.	7.997	2815.	2.786
1709.	7.975	2816.	2.781
1710.	7.972	2817.	2.834
1711.	7.972	2818.	2.787
1712.	7.914	2819.	2.788
1713.	7.937	2820.	2.779
1714.	7.937	2821.	2.796
1715.	7.935	2822.	2.804
1716.	7.94	2823.	2.814
1717.	7.91	2824.	2.834
1718.	7.901	2825.	2.84
1719.	7.853	2826.	2.787
1720.	7.832	2827.	2.794
1721.	7.814	2828.	2.801
1722.	7.783	2829.	2.763
1723.	7.798	2830.	2.785
1724.	7.788	2831.	2.762
1725.	7.777	2832.	2.773
1726.	7.772	2833.	2.773
1727.	7.735	2834.	2.761
1728.	7.704	2835.	2.796
1729.	7.726	2836.	2.758
1730.	7.7	2837.	2.802
1731.	7.667	2838.	2.76
1732.	7.629	2839.	2.774
1733.	7.669	2840.	2.773
1734.	7.651	2841.	2.773
1735.	7.613	2842.	2.783
1736.	7.603	2843.	2.808
1737.	7.602	2844.	2.77
1738.	7.612	2845.	2.77
1739.	7.555	2846.	2.738
1740.	7.576	2847.	2.751
1741.	7.538	2848.	2.751
1742.	7.566	2849.	2.788
1743.	7.529	2850.	2.773
1744.	7.556	2851.	2.773
1745.	7.506	2852.	2.744
1746.	7.481	2853.	2.717
1747.	7.477	2854.	2.765
1748.	7.449	2855.	2.717
1749.	7.48	2856.	2.718
1750.	7.483	2857.	2.741
1751.	7.452	2858.	2.737
1752.	7.415	2859.	2.751
1753.	7.43	2860.	2.741
1754.	7.344	2861.	2.703

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1755.	7.38	2862.	2.741
1756.	7.36	2863.	2.738
1757.	7.36	2864.	2.744
1758.	7.345	2865.	2.737
1759.	7.344	2866.	2.723
1760.	7.296	2867.	2.695
1761.	7.316	2868.	2.663
1762.	7.285	2869.	2.698
1763.	7.272	2870.	2.742
1764.	7.267	2871.	2.715
1765.	7.298	2872.	2.726
1766.	7.233	2873.	2.742
1767.	7.272	2874.	2.7
1768.	7.25	2875.	2.715
1769.	7.218	2876.	2.732
1770.	7.201	2877.	2.666
1771.	7.222	2878.	2.666
1772.	7.194	2879.	2.727
1773.	7.203	2880.	2.663
1774.	7.197	2881.	2.711
1775.	7.107	2882.	2.689
1776.	7.124	2883.	2.663
1777.	7.133	2884.	2.741
1778.	7.086	2885.	2.697
1779.	7.123	2886.	2.726
1780.	7.151	2887.	2.654
1781.	7.118	2888.	2.7
1782.	7.079	2889.	2.665
1783.	7.055	2890.	2.689
1784.	7.057	2891.	2.711
1785.	7.037	2892.	2.695
1786.	7.039	2893.	2.721
1787.	7.007	2894.	2.682
1788.	6.986	2895.	2.701
1789.	6.966	2896.	2.682
1790.	6.987	2897.	2.662
1791.	6.938	2898.	2.649
1792.	6.953	2899.	2.651
1793.	6.949	2900.	2.675
1794.	6.949	2901.	2.655
1795.	6.905	2902.	2.665
1796.	6.949	2903.	2.662
1797.	6.948	2904.	2.666
1798.	6.888	2905.	2.654
1799.	6.886	2906.	2.704
1800.	6.902	2907.	2.6
1801.	6.869	2908.	2.699
1802.	6.837	2909.	2.664
1803.	6.839	2910.	2.655
1804.	6.842	2911.	2.666
1805.	6.801	2912.	2.664
1806.	6.831	2913.	2.658
1807.	6.762	2914.	2.649
1808.	6.813	2915.	2.651
1809.	6.794	2916.	2.631
1810.	6.792	2917.	2.662
1811.	6.756	2918.	2.645
1812.	6.734	2919.	2.675
1813.	6.787	2920.	2.643
1814.	6.735	2921.	2.629
1815.	6.735	2922.	2.645
1816.	6.689	2923.	2.64
1817.	6.724	2924.	2.666
1818.	6.689	2925.	2.63
1819.	6.721	2926.	2.657
1820.	6.671	2927.	2.602

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1821.	6.666	2928.	2.656
1822.	6.678	2929.	2.629
1823.	6.656	2930.	2.622
1824.	6.661	2931.	2.6
1825.	6.626	2932.	2.636
1826.	6.634	2933.	2.638
1827.	6.628	2934.	2.581
1828.	6.629	2935.	2.657
1829.	6.571	2936.	2.637
1830.	6.574	2937.	2.611
1831.	6.585	2938.	2.579
1832.	6.598	2939.	2.643
1833.	6.541	2940.	2.604
1834.	6.578	2941.	2.628
1835.	6.548	2942.	2.621
1836.	6.518	2943.	2.626
1837.	6.549	2944.	2.599
1838.	6.542	2945.	2.62
1839.	6.517	2946.	2.616
1840.	6.495	2947.	2.604
1841.	6.479	2948.	2.657
1842.	6.499	2949.	2.599
1843.	6.468	2950.	2.6
1844.	6.487	2951.	2.626
1845.	6.417	2952.	2.579
1846.	6.47	2953.	2.585
1847.	6.452	2954.	2.652
1848.	6.416	2955.	2.588
1849.	6.475	2956.	2.604
1850.	6.386	2957.	2.61
1851.	6.395	2958.	2.622
1852.	6.414	2959.	2.575
1853.	6.433	2960.	2.593
1854.	6.347	2961.	2.626
1855.	6.354	2962.	2.557
1856.	6.357	2963.	2.61
1857.	6.314	2964.	2.57
1858.	6.341	2965.	2.605
1859.	6.343	2966.	2.601
1860.	6.321	2967.	2.604
1861.	6.315	2968.	2.599
1862.	6.291	2969.	2.608
1863.	6.263	2970.	2.61
1864.	6.301	2971.	2.585
1865.	6.239	2972.	2.594
1866.	6.289	2973.	2.594
1867.	6.282	2974.	2.571
1868.	6.239	2975.	2.574
1869.	6.233	2976.	2.535
1870.	6.256	2977.	2.556
1871.	6.23	2978.	2.565
1872.	6.173	2979.	2.601
1873.	6.196	2980.	2.585
1874.	6.177	2981.	2.608
1875.	6.178	2982.	2.532
1876.	6.178	2983.	2.56
1877.	6.191	2984.	2.57
1878.	6.11	2985.	2.565
1879.	6.173	2986.	2.588
1880.	6.175	2987.	2.561
1881.	6.123	2988.	2.565
1882.	6.085	2989.	2.57
1883.	6.11	2990.	2.58
1884.	6.109	2991.	2.564
1885.	6.128	2992.	2.495
1886.	6.061	2993.	2.507

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1887.	6.074	2994.	2.57
1888.	6.104	2995.	2.57
1889.	6.043	2996.	2.599
1890.	6.105	2997.	2.542
1891.	6.074	2998.	2.547
1892.	6.067	2999.	2.532
1893.	6.046	3000.	2.537
1894.	6.024	3001.	2.561
1895.	6.015	3002.	2.558
1896.	6.029	3003.	2.585
1897.	5.998	3004.	2.558
1898.	6.03	3005.	2.563
1899.	5.972	3006.	2.569
1900.	5.993	3007.	2.524
1901.	5.974	3008.	2.531
1902.	5.952	3009.	2.586
1903.	5.935	3010.	2.528
1904.	5.968	3011.	2.596
1905.	5.991	3012.	2.554
1906.	5.906	3013.	2.585
1907.	5.926	3014.	2.553
1908.	5.964	3015.	2.554
1909.	5.94	3016.	2.55
1910.	5.9	3017.	2.531
1911.	5.904	3018.	2.52
1912.	5.922	3019.	2.57
1913.	5.904	3020.	2.517
1914.	5.87	3021.	2.544
1915.	5.899	3022.	2.473
1916.	5.89	3023.	2.505
1917.	5.855	3024.	2.497
1918.	5.866	3025.	2.528
1919.	5.877	3026.	2.527
1920.	5.83	3027.	2.495
1921.	5.839	3028.	2.484
1922.	5.831	3029.	2.508
1923.	5.831	3030.	2.544
1924.	5.812	3031.	2.569
1925.	5.829	3032.	2.549
1926.	5.782	3033.	2.489
1927.	5.812	3034.	2.495
1928.	5.78	3035.	2.554
1929.	5.779	3036.	2.496
1930.	5.754	3037.	2.517
1931.	5.743	3038.	2.518
1932.	5.771	3039.	2.496
1933.	5.747	3040.	2.489
1934.	5.743	3041.	2.507
1935.	5.721	3042.	2.473
1936.	5.722	3043.	2.484
1937.	5.733	3044.	2.523
1938.	5.702	3045.	2.467
1939.	5.733	3046.	2.484
1940.	5.697	3047.	2.509
1941.	5.673	3048.	2.51
1942.	5.706	3049.	2.527
1943.	5.649	3050.	2.494
1944.	5.716	3051.	2.516
1945.	5.677	3052.	2.501
1946.	5.647	3053.	2.56
1947.	5.703	3054.	2.516
1948.	5.643	3055.	2.531
1949.	5.646	3056.	2.499
1950.	5.657	3057.	2.511
1951.	5.611	3058.	2.496
1952.	5.623	3059.	2.454

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1953.	5.629	3060.	2.494
1954.	5.628	3061.	2.485
1955.	5.581	3062.	2.445
1956.	5.55	3063.	2.451
1957.	5.605	3064.	2.483
1958.	5.578	3065.	2.486
1959.	5.582	3066.	2.497
1960.	5.6	3067.	2.442
1961.	5.568	3068.	2.464
1962.	5.525	3069.	2.475
1963.	5.518	3070.	2.462
1964.	5.557	3071.	2.5
1965.	5.526	3072.	2.508
1966.	5.531	3073.	2.468
1967.	5.551	3074.	2.452
1968.	5.508	3075.	2.482
1969.	5.484	3076.	2.477
1970.	5.535	3077.	2.454
1971.	5.468		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1308.4	ft^2/day
S	8.607E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.36 ft/day (0.00577 cm/sec)
Ss = S/b = 1.076E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1301.6	2.417	+/- 4.739	538.6	ft^2/day
S	0.0001032	5.075E-7	+/- 9.952E-7	203.4	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.27 ft/day (0.00574 cm/sec)
Ss = S/b = 1.29E-6 1/ft

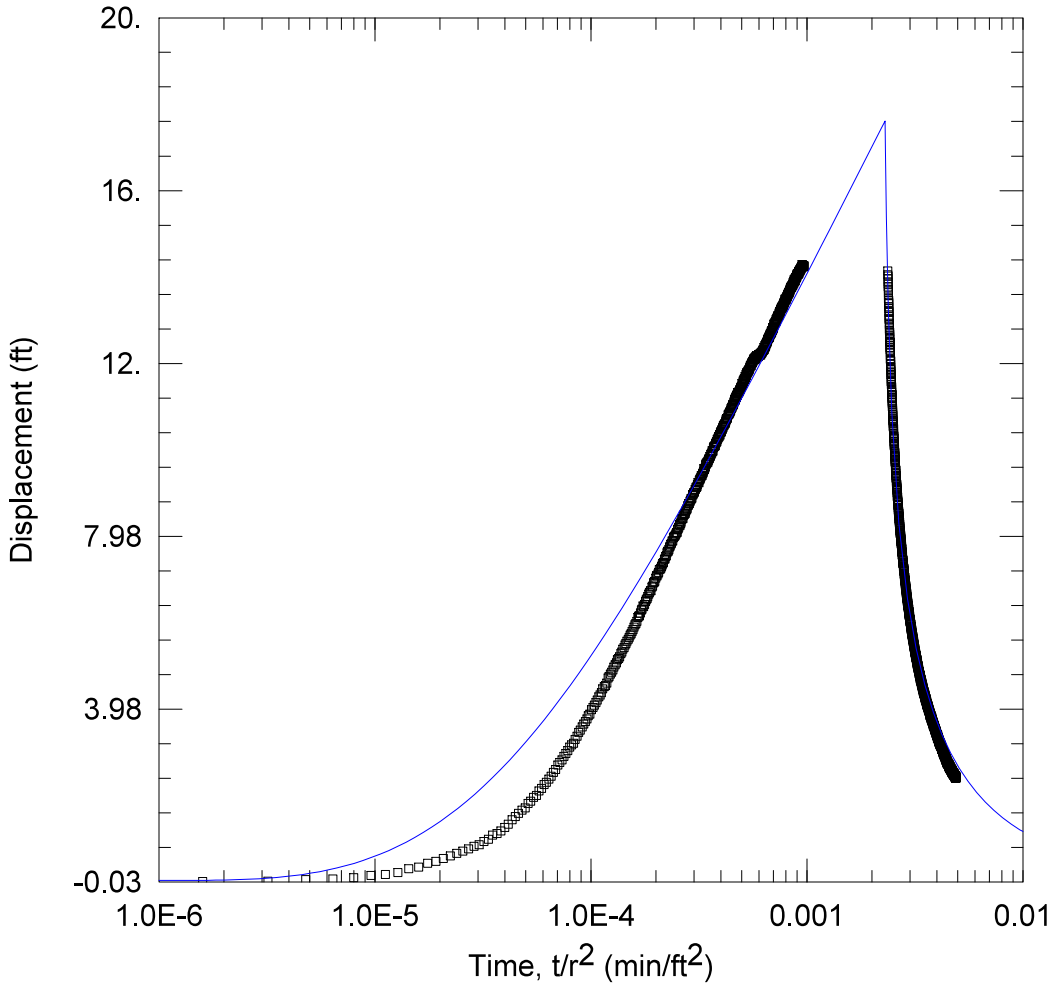
Parameter Correlations

	T	S
T	1.00	-0.64
S	-0.64	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 300.5 ft^2
Variance . . . . . 0.1359 ft^2
Std. Deviation . . . . . 0.3687 ft
Mean . . . . . -0.1355 ft
No. of Residuals 2213
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW22.aqt
Date: 04/11/25 Time: 12:09:06

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW22	479	1143

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1328.5 ft^2/day
S = 9.4E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:05:27

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW22

X Location: 479. ft
Y Location: 1143. ft

Radial distance from BM 1B: 791.15738 ft
Radial distance from BM2A: 1065.384438 ft
Radial distance from BM3: 459.8478009 ft
Radial distance from BM 4 : 480.6183517 ft
Radial distance from BM5: 362.7905732 ft
Radial distance from BM 6: 565.2415413 ft
Radial distance from BM7: 936.1719927 ft
Radial distance from BM9: 1620.946945 ft

Fully Penetrating Well

No. of Observations: 2196

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.02234	1975.	5.386
2.	-0.01564	1976.	5.372
3.	0.02245	1977.	5.354
4.	0.04016	1978.	5.343
5.	0.06625	1979.	5.326
6.	0.1204	1980.	5.309
7.	0.1403	1981.	5.305
8.	0.1868	1982.	5.325
9.	0.2729	1983.	5.335
10.	0.314	1984.	5.321
11.	0.4023	1985.	5.3
12.	0.4435	1986.	5.292
13.	0.5096	1987.	5.264
14.	0.5692	1988.	5.278
15.	0.6338	1989.	5.272
16.	0.6823	1990.	5.273
17.	0.7356	1991.	5.276
18.	0.7956	1992.	5.245
19.	0.8316	1993.	5.249
20.	0.9026	1994.	5.273
21.	0.9535	1995.	5.203
22.	1.052	1996.	5.238
23.	1.088	1997.	5.228
24.	1.147	1998.	5.231
25.	1.229	1999.	5.232
26.	1.303	2000.	5.221
27.	1.407	2001.	5.186
28.	1.487	2002.	5.228
29.	1.556	2003.	5.222
30.	1.633	2004.	5.206
31.	1.681	2005.	5.218
32.	1.79	2006.	5.169

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.838	2007.	5.175
34.	1.928	2008.	5.161
35.	1.973	2009.	5.165
36.	2.076	2010.	5.165
37.	2.135	2011.	5.149
38.	2.228	2012.	5.161
39.	2.275	2013.	5.137
40.	2.352	2014.	5.143
41.	2.419	2015.	5.127
42.	2.508	2016.	5.132
43.	2.571	2017.	5.13
44.	2.675	2018.	5.103
45.	2.736	2019.	5.108
46.	2.797	2020.	5.086
47.	2.879	2021.	5.098
48.	2.945	2022.	5.101
49.	3.011	2023.	5.123
50.	3.091	2024.	5.108
51.	3.146	2025.	5.101
52.	3.185	2026.	5.063
53.	3.273	2027.	5.061
54.	3.342	2028.	5.061
55.	3.437	2029.	5.057
56.	3.489	2030.	5.003
57.	3.56	2031.	5.054
58.	3.629	2032.	5.033
59.	3.689	2033.	5.032
60.	3.747	2034.	5.024
61.	3.819	2035.	5.042
62.	3.858	2036.	5.014
63.	3.963	2037.	5.005
64.	4.011	2038.	4.991
65.	4.062	2039.	4.996
66.	4.125	2040.	4.988
67.	4.183	2041.	4.975
68.	4.255	2042.	4.985
69.	4.302	2043.	4.988
70.	4.355	2044.	4.97
71.	4.441	2045.	4.97
72.	4.492	2046.	4.982
73.	4.521	2047.	4.941
74.	4.577	2048.	4.966
75.	4.694	2049.	4.953
76.	4.728	2050.	4.953
77.	4.788	2051.	4.922
78.	4.83	2052.	4.947
79.	4.878	2053.	4.907
80.	4.948	2054.	4.909
81.	5.002	2055.	4.929
82.	5.041	2056.	4.924
83.	5.117	2057.	4.894
84.	5.148	2058.	4.888
85.	5.189	2059.	4.929
86.	5.258	2060.	4.853
87.	5.296	2061.	4.88
88.	5.366	2062.	4.868
89.	5.398	2063.	4.852
90.	5.462	2064.	4.853
91.	5.495	2065.	4.885
92.	5.546	2066.	4.857
93.	5.594	2067.	4.852
94.	5.64	2068.	4.858
95.	5.69	2069.	4.834
96.	5.723	2070.	4.834
97.	5.771	2071.	4.838
98.	5.819	2072.	4.841

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	5.874	2073.	4.827
100.	5.927	2074.	4.838
101.	5.96	2075.	4.799
102.	6.007	2076.	4.801
103.	6.097	2077.	4.775
104.	6.126	2078.	4.807
105.	6.138	2079.	4.77
106.	6.199	2080.	4.794
107.	6.267	2081.	4.783
108.	6.293	2082.	4.763
109.	6.362	2083.	4.775
110.	6.35	2084.	4.785
111.	6.401	2085.	4.738
112.	6.466	2086.	4.762
113.	6.504	2087.	4.775
114.	6.534	2088.	4.748
115.	6.577	2089.	4.775
116.	6.637	2090.	4.756
117.	6.675	2091.	4.752
118.	6.716	2092.	4.755
119.	6.723	2093.	4.721
120.	6.799	2094.	4.724
121.	6.826	2095.	4.724
122.	6.901	2096.	4.683
123.	6.915	2097.	4.712
124.	6.939	2098.	4.732
125.	7.013	2099.	4.687
126.	7.064	2100.	4.673
127.	7.063	2101.	4.715
128.	7.11	2102.	4.689
129.	7.142	2103.	4.647
130.	7.209	2104.	4.651
131.	7.218	2105.	4.657
132.	7.238	2106.	4.675
133.	7.279	2107.	4.671
134.	7.315	2108.	4.671
135.	7.352	2109.	4.671
136.	7.379	2110.	4.643
137.	7.454	2111.	4.642
138.	7.458	2112.	4.644
139.	7.511	2113.	4.627
140.	7.535	2114.	4.651
141.	7.599	2115.	4.642
142.	7.634	2116.	4.619
143.	7.634	2117.	4.605
144.	7.674	2118.	4.621
145.	7.735	2119.	4.614
146.	7.758	2120.	4.579
147.	7.804	2121.	4.622
148.	7.823	2122.	4.6
149.	7.872	2123.	4.575
150.	7.875	2124.	4.566
151.	7.948	2125.	4.61
152.	7.968	2126.	4.609
153.	7.987	2127.	4.588
154.	8.006	2128.	4.575
155.	8.036	2129.	4.559
156.	8.064	2130.	4.578
157.	8.074	2131.	4.555
158.	8.144	2132.	4.591
159.	8.159	2133.	4.53
160.	8.196	2134.	4.534
161.	8.252	2135.	4.553
162.	8.236	2136.	4.54
163.	8.282	2137.	4.545
164.	8.314	2138.	4.534

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	8.371	2139.	4.536
166.	8.398	2140.	4.51
167.	8.396	2141.	4.522
168.	8.459	2142.	4.498
169.	8.486	2143.	4.502
170.	8.5	2144.	4.464
171.	8.508	2145.	4.508
172.	8.543	2146.	4.49
173.	8.59	2147.	4.502
174.	8.607	2148.	4.495
175.	8.631	2149.	4.492
176.	8.692	2150.	4.483
177.	8.703	2151.	4.472
178.	8.742	2152.	4.479
179.	8.744	2153.	4.468
180.	8.786	2154.	4.5
181.	8.817	2155.	4.448
182.	8.853	2156.	4.442
183.	8.843	2157.	4.469
184.	8.866	2158.	4.441
185.	8.947	2159.	4.445
186.	8.946	2160.	4.445
187.	8.98	2161.	4.415
188.	8.991	2162.	4.419
189.	9.008	2163.	4.416
190.	9.068	2164.	4.426
191.	9.079	2165.	4.416
192.	9.12	2166.	4.419
193.	9.111	2167.	4.38
194.	9.136	2168.	4.418
195.	9.18	2169.	4.391
196.	9.228	2170.	4.386
197.	9.232	2171.	4.386
198.	9.223	2172.	4.387
199.	9.285	2173.	4.391
200.	9.3	2174.	4.398
201.	9.327	2175.	4.394
202.	9.334	2176.	4.345
203.	9.384	2177.	4.371
204.	9.384	2178.	4.348
205.	9.398	2179.	4.36
206.	9.443	2180.	4.365
207.	9.458	2181.	4.384
208.	9.488	2182.	4.331
209.	9.552	2183.	4.36
210.	9.531	2184.	4.333
211.	9.557	2185.	4.35
212.	9.587	2186.	4.311
213.	9.64	2187.	4.323
214.	9.663	2188.	4.335
215.	9.662	2189.	4.307
216.	9.692	2190.	4.328
217.	9.708	2191.	4.326
218.	9.698	2192.	4.335
219.	9.741	2193.	4.323
220.	9.773	2194.	4.307
221.	9.783	2195.	4.325
222.	9.798	2196.	4.301
223.	9.834	2197.	4.333
224.	9.837	2198.	4.303
225.	9.879	2199.	4.312
226.	9.889	2200.	4.272
227.	9.914	2201.	4.293
228.	9.964	2202.	4.265
229.	9.954	2203.	4.262
230.	9.961	2204.	4.292

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	10.03	2205.	4.257
232.	10.04	2206.	4.285
233.	10.06	2207.	4.253
234.	10.07	2208.	4.25
235.	10.09	2209.	4.238
236.	10.09	2210.	4.208
237.	10.13	2211.	4.269
238.	10.17	2212.	4.258
239.	10.17	2213.	4.232
240.	10.18	2214.	4.244
241.	10.23	2215.	4.226
242.	10.23	2216.	4.218
243.	10.27	2217.	4.22
244.	10.29	2218.	4.207
245.	10.28	2219.	4.197
246.	10.3	2220.	4.225
247.	10.34	2221.	4.207
248.	10.33	2222.	4.179
249.	10.39	2223.	4.203
250.	10.39	2224.	4.232
251.	10.41	2225.	4.213
252.	10.41	2226.	4.183
253.	10.45	2227.	4.181
254.	10.47	2228.	4.169
255.	10.49	2229.	4.173
256.	10.51	2230.	4.188
257.	10.54	2231.	4.185
258.	10.55	2232.	4.172
259.	10.56	2233.	4.214
260.	10.58	2234.	4.139
261.	10.59	2235.	4.165
262.	10.6	2236.	4.16
263.	10.63	2237.	4.142
264.	10.66	2238.	4.175
265.	10.7	2239.	4.149
266.	10.68	2240.	4.142
267.	10.71	2241.	4.139
268.	10.72	2242.	4.14
269.	10.73	2243.	4.149
270.	10.79	2244.	4.145
271.	10.8	2245.	4.136
272.	10.8	2246.	4.115
273.	10.83	2247.	4.148
274.	10.84	2248.	4.096
275.	10.84	2249.	4.111
276.	10.87	2250.	4.118
277.	10.89	2251.	4.101
278.	10.89	2252.	4.079
279.	10.94	2253.	4.085
280.	10.94	2254.	4.07
281.	10.96	2255.	4.087
282.	10.97	2256.	4.103
283.	11.	2257.	4.065
284.	11.02	2258.	4.092
285.	11.04	2259.	4.068
286.	11.03	2260.	4.078
287.	11.04	2261.	4.055
288.	11.08	2262.	4.052
289.	11.11	2263.	4.054
290.	11.13	2264.	4.057
291.	11.16	2265.	4.061
292.	11.17	2266.	4.073
293.	11.14	2267.	4.037
294.	11.2	2268.	4.058
295.	11.22	2269.	4.065
296.	11.2	2270.	4.063

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	11.25	2271.	4.037
298.	11.27	2272.	4.038
299.	11.25	2273.	4.032
300.	11.31	2274.	4.044
301.	11.29	2275.	4.042
302.	11.31	2276.	4.024
303.	11.31	2277.	4.012
304.	11.33	2278.	4.028
305.	11.35	2279.	4.04
306.	11.36	2280.	3.996
307.	11.38	2281.	4.036
308.	11.39	2282.	4.02
309.	11.41	2283.	3.997
310.	11.43	2284.	4.005
311.	11.45	2285.	3.996
312.	11.46	2286.	4.001
313.	11.52	2287.	3.99
314.	11.49	2288.	3.968
315.	11.52	2289.	3.983
316.	11.52	2290.	3.97
317.	11.55	2291.	3.979
318.	11.58	2292.	3.965
319.	11.6	2293.	3.964
320.	11.57	2294.	3.982
321.	11.63	2295.	3.982
322.	11.61	2296.	3.959
323.	11.64	2297.	3.945
324.	11.68	2298.	3.953
325.	11.65	2299.	3.955
326.	11.67	2300.	3.954
327.	11.73	2301.	3.944
328.	11.71	2302.	3.949
329.	11.71	2303.	3.942
330.	11.76	2304.	3.925
331.	11.77	2305.	3.951
332.	11.77	2306.	3.924
333.	11.76	2307.	3.939
334.	11.8	2308.	3.94
335.	11.82	2309.	3.929
336.	11.82	2310.	3.913
337.	11.81	2311.	3.92
338.	11.84	2312.	3.909
339.	11.85	2313.	3.929
340.	11.86	2314.	3.919
341.	11.89	2315.	3.945
342.	11.93	2316.	3.886
343.	11.94	2317.	3.915
344.	11.96	2318.	3.887
345.	11.93	2319.	3.88
346.	11.94	2320.	3.893
347.	11.99	2321.	3.88
348.	12.	2322.	3.873
349.	12.01	2323.	3.898
350.	12.01	2324.	3.853
351.	12.01	2325.	3.862
352.	12.04	2326.	3.88
353.	12.04	2327.	3.882
354.	12.07	2328.	3.823
355.	12.08	2329.	3.845
356.	12.08	2330.	3.885
357.	12.1	2331.	3.854
358.	12.07	2332.	3.853
359.	12.1	2333.	3.855
360.	12.12	2334.	3.815
361.	12.09	2335.	3.824
362.	12.09	2336.	3.824

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	12.14	2337.	3.81
364.	12.14	2338.	3.855
365.	12.14	2339.	3.819
366.	12.14	2340.	3.811
367.	12.17	2341.	3.838
368.	12.15	2342.	3.819
369.	12.16	2343.	3.832
370.	12.14	2344.	3.814
371.	12.15	2345.	3.842
372.	12.15	2346.	3.825
373.	12.14	2347.	3.792
374.	12.15	2348.	3.823
375.	12.19	2349.	3.805
376.	12.18	2350.	3.798
377.	12.18	2351.	3.786
378.	12.2	2352.	3.747
379.	12.21	2353.	3.8
380.	12.2	2354.	3.81
381.	12.2	2355.	3.799
382.	12.21	2356.	3.785
383.	12.18	2357.	3.794
384.	12.23	2358.	3.789
385.	12.24	2359.	3.76
386.	12.23	2360.	3.782
387.	12.23	2361.	3.772
388.	12.26	2362.	3.755
389.	12.26	2363.	3.767
390.	12.25	2364.	3.785
391.	12.28	2365.	3.76
392.	12.3	2366.	3.724
393.	12.3	2367.	3.782
394.	12.29	2368.	3.781
395.	12.3	2369.	3.76
396.	12.36	2370.	3.76
397.	12.31	2371.	3.744
398.	12.34	2372.	3.719
399.	12.35	2373.	3.743
400.	12.36	2374.	3.718
401.	12.4	2375.	3.716
402.	12.41	2376.	3.738
403.	12.39	2377.	3.714
404.	12.41	2378.	3.689
405.	12.44	2379.	3.737
406.	12.45	2380.	3.707
407.	12.46	2381.	3.719
408.	12.47	2382.	3.713
409.	12.48	2383.	3.715
410.	12.49	2384.	3.707
411.	12.54	2385.	3.721
412.	12.5	2386.	3.691
413.	12.53	2387.	3.697
414.	12.56	2388.	3.701
415.	12.57	2389.	3.699
416.	12.57	2390.	3.682
417.	12.58	2391.	3.673
418.	12.59	2392.	3.682
419.	12.61	2393.	3.673
420.	12.59	2394.	3.669
421.	12.62	2395.	3.668
422.	12.63	2396.	3.658
423.	12.66	2397.	3.665
424.	12.69	2398.	3.657
425.	12.67	2399.	3.689
426.	12.67	2400.	3.657
427.	12.69	2401.	3.663
428.	12.72	2402.	3.653

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	12.74	2403.	3.65
430.	12.71	2404.	3.628
431.	12.74	2405.	3.658
432.	12.75	2406.	3.648
433.	12.76	2407.	3.592
434.	12.76	2408.	3.621
435.	12.82	2409.	3.621
436.	12.79	2410.	3.632
437.	12.8	2411.	3.64
438.	12.81	2412.	3.626
439.	12.82	2413.	3.626
440.	12.86	2414.	3.637
441.	12.9	2415.	3.638
442.	12.9	2416.	3.625
443.	12.89	2417.	3.627
444.	12.9	2418.	3.603
445.	12.91	2419.	3.626
446.	12.94	2420.	3.612
447.	12.95	2421.	3.6
448.	12.94	2422.	3.593
449.	12.95	2423.	3.589
450.	12.97	2424.	3.601
451.	13.01	2425.	3.59
452.	12.98	2426.	3.572
453.	12.98	2427.	3.571
454.	13.01	2428.	3.601
455.	13.04	2429.	3.588
456.	13.04	2430.	3.565
457.	13.07	2431.	3.559
458.	13.07	2432.	3.576
459.	13.09	2433.	3.559
460.	13.09	2434.	3.569
461.	13.09	2435.	3.573
462.	13.1	2436.	3.538
463.	13.09	2437.	3.578
464.	13.11	2438.	3.547
465.	13.14	2439.	3.53
466.	13.13	2440.	3.591
467.	13.17	2441.	3.533
468.	13.18	2442.	3.555
469.	13.19	2443.	3.552
470.	13.2	2444.	3.54
471.	13.18	2445.	3.527
472.	13.2	2446.	3.522
473.	13.22	2447.	3.532
474.	13.24	2448.	3.513
475.	13.24	2449.	3.51
476.	13.25	2450.	3.541
477.	13.27	2451.	3.543
478.	13.27	2452.	3.534
479.	13.29	2453.	3.51
480.	13.3	2454.	3.5
481.	13.27	2455.	3.521
482.	13.31	2456.	3.511
483.	13.31	2457.	3.49
484.	13.32	2458.	3.506
485.	13.33	2459.	3.494
486.	13.32	2460.	3.509
487.	13.35	2461.	3.469
488.	13.38	2462.	3.476
489.	13.35	2463.	3.496
490.	13.38	2464.	3.493
491.	13.39	2465.	3.5
492.	13.41	2466.	3.48
493.	13.42	2467.	3.494
494.	13.41	2468.	3.481

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	13.44	2469.	3.456
496.	13.48	2470.	3.452
497.	13.47	2471.	3.482
498.	13.46	2472.	3.453
499.	13.46	2473.	3.481
500.	13.49	2474.	3.416
501.	13.48	2475.	3.446
502.	13.47	2476.	3.448
503.	13.5	2477.	3.465
504.	13.52	2478.	3.448
505.	13.53	2479.	3.474
506.	13.53	2480.	3.443
507.	13.53	2481.	3.465
508.	13.55	2482.	3.432
509.	13.55	2483.	3.448
510.	13.58	2484.	3.438
511.	13.59	2485.	3.448
512.	13.58	2486.	3.424
513.	13.6	2487.	3.454
514.	13.61	2488.	3.446
515.	13.63	2489.	3.46
516.	13.63	2490.	3.432
517.	13.63	2491.	3.416
518.	13.62	2492.	3.407
519.	13.66	2493.	3.435
520.	13.67	2494.	3.396
521.	13.66	2495.	3.417
522.	13.67	2496.	3.405
523.	13.69	2497.	3.421
524.	13.7	2498.	3.392
525.	13.72	2499.	3.371
526.	13.72	2500.	3.398
527.	13.76	2501.	3.382
528.	13.75	2502.	3.357
529.	13.76	2503.	3.381
530.	13.74	2504.	3.373
531.	13.75	2505.	3.366
532.	13.76	2506.	3.377
533.	13.76	2507.	3.382
534.	13.79	2508.	3.382
535.	13.79	2509.	3.357
536.	13.8	2510.	3.363
537.	13.83	2511.	3.376
538.	13.8	2512.	3.346
539.	13.82	2513.	3.346
540.	13.86	2514.	3.372
541.	13.82	2515.	3.355
542.	13.86	2516.	3.342
543.	13.86	2517.	3.35
544.	13.88	2518.	3.363
545.	13.88	2519.	3.357
546.	13.85	2520.	3.343
547.	13.93	2521.	3.29
548.	13.9	2522.	3.327
549.	13.91	2523.	3.341
550.	13.9	2524.	3.342
551.	13.95	2525.	3.305
552.	13.93	2526.	3.32
553.	13.9	2527.	3.305
554.	13.96	2528.	3.335
555.	13.98	2529.	3.372
556.	13.97	2530.	3.311
557.	13.97	2531.	3.307
558.	13.98	2532.	3.301
559.	13.97	2533.	3.295
560.	13.98	2534.	3.319

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	13.98	2535.	3.285
562.	14.03	2536.	3.301
563.	14.01	2537.	3.306
564.	14.02	2538.	3.283
565.	14.05	2539.	3.28
566.	14.07	2540.	3.294
567.	14.04	2541.	3.319
568.	14.05	2542.	3.28
569.	14.05	2543.	3.273
570.	14.07	2544.	3.3
571.	14.08	2545.	3.289
572.	14.07	2546.	3.275
573.	14.07	2547.	3.285
574.	14.13	2548.	3.257
575.	14.1	2549.	3.28
576.	14.08	2550.	3.263
577.	14.12	2551.	3.27
578.	14.14	2552.	3.272
579.	14.14	2553.	3.284
580.	14.16	2554.	3.267
581.	14.13	2555.	3.249
582.	14.13	2556.	3.218
583.	14.16	2557.	3.244
584.	14.18	2558.	3.258
585.	14.18	2559.	3.244
586.	14.18	2560.	3.229
587.	14.16	2561.	3.239
588.	14.21	2562.	3.228
589.	14.19	2563.	3.207
590.	14.2	2564.	3.25
591.	14.21	2565.	3.225
592.	14.22	2566.	3.232
593.	14.24	2567.	3.244
594.	14.28	2568.	3.213
595.	14.24	2569.	3.238
596.	14.27	2570.	3.189
597.	14.27	2571.	3.203
598.	14.27	2572.	3.22
599.	14.23	2573.	3.206
600.	14.24	2574.	3.202
601.	14.25	2575.	3.213
602.	14.24	2576.	3.163
603.	14.23	2577.	3.228
604.	14.25	2578.	3.183
605.	14.23	2579.	3.209
606.	14.26	2580.	3.199
607.	14.25	2581.	3.176
608.	14.24	2582.	3.203
1485.	14.13	2583.	3.177
1486.	14.05	2584.	3.201
1487.	14.01	2585.	3.182
1488.	13.96	2586.	3.184
1489.	13.88	2587.	3.191
1490.	13.82	2588.	3.16
1491.	13.77	2589.	3.183
1492.	13.71	2590.	3.17
1493.	13.68	2591.	3.186
1494.	13.63	2592.	3.168
1495.	13.56	2593.	3.142
1496.	13.48	2594.	3.168
1497.	13.45	2595.	3.177
1498.	13.4	2596.	3.158
1499.	13.37	2597.	3.16
1500.	13.3	2598.	3.152
1501.	13.26	2599.	3.152
1502.	13.2	2600.	3.132

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1503.	13.17	2601.	3.161
1504.	13.09	2602.	3.16
1505.	13.03	2603.	3.138
1506.	13.01	2604.	3.162
1507.	12.92	2605.	3.182
1508.	12.89	2606.	3.138
1509.	12.88	2607.	3.142
1510.	12.79	2608.	3.132
1511.	12.75	2609.	3.125
1512.	12.71	2610.	3.125
1513.	12.67	2611.	3.13
1514.	12.64	2612.	3.125
1515.	12.59	2613.	3.132
1516.	12.55	2614.	3.14
1517.	12.49	2615.	3.149
1518.	12.49	2616.	3.115
1519.	12.41	2617.	3.123
1520.	12.36	2618.	3.138
1521.	12.34	2619.	3.115
1522.	12.3	2620.	3.105
1523.	12.28	2621.	3.118
1524.	12.24	2622.	3.115
1525.	12.17	2623.	3.102
1526.	12.09	2624.	3.117
1527.	12.07	2625.	3.098
1528.	12.05	2626.	3.091
1529.	12.04	2627.	3.094
1530.	11.97	2628.	3.105
1531.	11.91	2629.	3.081
1532.	11.9	2630.	3.054
1533.	11.85	2631.	3.081
1534.	11.81	2632.	3.059
1535.	11.77	2633.	3.113
1536.	11.73	2634.	3.084
1537.	11.73	2635.	3.115
1538.	11.68	2636.	3.081
1539.	11.63	2637.	3.048
1540.	11.59	2638.	3.067
1541.	11.56	2639.	3.042
1542.	11.56	2640.	3.051
1543.	11.5	2641.	3.074
1544.	11.45	2642.	3.052
1545.	11.43	2643.	3.07
1546.	11.39	2644.	3.049
1547.	11.33	2645.	3.033
1548.	11.32	2646.	3.065
1549.	11.27	2647.	3.03
1550.	11.27	2648.	3.052
1551.	11.2	2649.	3.054
1552.	11.21	2650.	3.059
1553.	11.18	2651.	3.041
1554.	11.12	2652.	3.034
1555.	11.09	2653.	3.069
1556.	11.08	2654.	3.041
1557.	11.04	2655.	3.043
1558.	10.99	2656.	3.031
1559.	10.95	2657.	2.992
1560.	10.91	2658.	3.034
1561.	10.89	2659.	3.018
1562.	10.86	2660.	3.008
1563.	10.85	2661.	3.032
1564.	10.82	2662.	3.015
1565.	10.8	2663.	3.008
1566.	10.75	2664.	3.003
1567.	10.71	2665.	2.989
1568.	10.68	2666.	3.

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1569.	10.66	2667.	3.018
1570.	10.65	2668.	3.018
1571.	10.61	2669.	3.02
1572.	10.58	2670.	3.018
1573.	10.51	2671.	3.008
1574.	10.53	2672.	3.008
1575.	10.49	2673.	3.001
1576.	10.47	2674.	2.986
1577.	10.46	2675.	3.001
1578.	10.42	2676.	2.95
1579.	10.37	2677.	2.997
1580.	10.36	2678.	2.968
1581.	10.31	2679.	3.007
1582.	10.3	2680.	2.968
1583.	10.26	2681.	2.986
1584.	10.26	2682.	2.952
1585.	10.25	2683.	2.955
1586.	10.19	2684.	2.966
1587.	10.16	2685.	2.968
1588.	10.17	2686.	2.963
1589.	10.13	2687.	2.943
1590.	10.1	2688.	2.956
1591.	10.07	2689.	2.947
1592.	10.05	2690.	2.963
1593.	10.02	2691.	2.939
1594.	9.997	2692.	2.945
1595.	9.976	2693.	2.941
1596.	9.938	2694.	2.976
1597.	9.936	2695.	2.936
1598.	9.904	2696.	2.937
1599.	9.868	2697.	2.912
1600.	9.844	2698.	2.928
1601.	9.846	2699.	2.93
1602.	9.817	2700.	2.945
1603.	9.765	2701.	2.927
1604.	9.773	2702.	2.941
1605.	9.741	2703.	2.921
1606.	9.7	2704.	2.925
1607.	9.697	2705.	2.936
1608.	9.654	2706.	2.903
1609.	9.656	2707.	2.936
1610.	9.612	2708.	2.931
1611.	9.63	2709.	2.915
1612.	9.555	2710.	2.922
1613.	9.586	2711.	2.922
1614.	9.511	2712.	2.894
1615.	9.525	2713.	2.925
1616.	9.512	2714.	2.924
1617.	9.448	2715.	2.892
1618.	9.445	2716.	2.909
1619.	9.392	2717.	2.902
1620.	9.388	2718.	2.911
1621.	9.386	2719.	2.915
1622.	9.366	2720.	2.882
1623.	9.329	2721.	2.903
1624.	9.321	2722.	2.914
1625.	9.3	2723.	2.873
1626.	9.265	2724.	2.912
1627.	9.252	2725.	2.894
1628.	9.238	2726.	2.9
1629.	9.219	2727.	2.87
1630.	9.188	2728.	2.864
1631.	9.178	2729.	2.886
1632.	9.15	2730.	2.882
1633.	9.12	2731.	2.877
1634.	9.122	2732.	2.875

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1635.	9.105	2733.	2.865
1636.	9.088	2734.	2.893
1637.	9.055	2735.	2.868
1638.	9.048	2736.	2.89
1639.	9.032	2737.	2.849
1640.	8.992	2738.	2.876
1641.	8.981	2739.	2.866
1642.	8.955	2740.	2.847
1643.	8.919	2741.	2.856
1644.	8.905	2742.	2.862
1645.	8.891	2743.	2.871
1646.	8.89	2744.	2.845
1647.	8.895	2745.	2.821
1648.	8.835	2746.	2.835
1649.	8.814	2747.	2.829
1650.	8.797	2748.	2.826
1651.	8.781	2749.	2.842
1652.	8.774	2750.	2.855
1653.	8.756	2751.	2.824
1654.	8.727	2752.	2.849
1655.	8.719	2753.	2.842
1656.	8.693	2754.	2.81
1657.	8.69	2755.	2.793
1658.	8.644	2756.	2.812
1659.	8.637	2757.	2.801
1660.	8.633	2758.	2.824
1661.	8.593	2759.	2.826
1662.	8.599	2760.	2.851
1663.	8.558	2761.	2.811
1664.	8.565	2762.	2.792
1665.	8.547	2763.	2.824
1666.	8.519	2764.	2.81
1667.	8.504	2765.	2.792
1668.	8.476	2766.	2.798
1669.	8.517	2767.	2.814
1670.	8.448	2768.	2.791
1671.	8.456	2769.	2.803
1672.	8.438	2770.	2.819
1673.	8.383	2771.	2.775
1674.	8.382	2772.	2.808
1675.	8.414	2773.	2.791
1676.	8.346	2774.	2.781
1677.	8.337	2775.	2.791
1678.	8.368	2776.	2.77
1679.	8.318	2777.	2.766
1680.	8.289	2778.	2.788
1681.	8.31	2779.	2.805
1682.	8.266	2780.	2.762
1683.	8.263	2781.	2.775
1684.	8.237	2782.	2.762
1685.	8.222	2783.	2.78
1686.	8.205	2784.	2.778
1687.	8.204	2785.	2.762
1688.	8.161	2786.	2.728
1689.	8.158	2787.	2.778
1690.	8.116	2788.	2.762
1691.	8.11	2789.	2.775
1692.	8.076	2790.	2.725
1693.	8.122	2791.	2.756
1694.	8.08	2792.	2.744
1695.	8.066	2793.	2.74
1696.	8.044	2794.	2.758
1697.	8.044	2795.	2.738
1698.	8.012	2796.	2.737
1699.	8.019	2797.	2.735
1700.	7.985	2798.	2.744

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1701.	7.997	2799.	2.756
1702.	7.979	2800.	2.734
1703.	7.95	2801.	2.705
1704.	7.945	2802.	2.722
1705.	7.922	2803.	2.75
1706.	7.917	2804.	2.703
1707.	7.897	2805.	2.713
1708.	7.885	2806.	2.709
1709.	7.86	2807.	2.737
1710.	7.839	2808.	2.709
1711.	7.86	2809.	2.743
1712.	7.851	2810.	2.745
1713.	7.795	2811.	2.743
1714.	7.839	2812.	2.722
1715.	7.807	2813.	2.71
1716.	7.742	2814.	2.706
1717.	7.764	2815.	2.721
1718.	7.728	2816.	2.707
1719.	7.692	2817.	2.708
1720.	7.742	2818.	2.711
1721.	7.676	2819.	2.707
1722.	7.703	2820.	2.707
1723.	7.688	2821.	2.722
1724.	7.623	2822.	2.707
1725.	7.636	2823.	2.703
1726.	7.623	2824.	2.695
1727.	7.6	2825.	2.689
1728.	7.607	2826.	2.705
1729.	7.612	2827.	2.711
1730.	7.6	2828.	2.707
1731.	7.542	2829.	2.716
1732.	7.546	2830.	2.716
1733.	7.531	2831.	2.687
1734.	7.523	2832.	2.703
1735.	7.511	2833.	2.703
1736.	7.478	2834.	2.696
1737.	7.465	2835.	2.706
1738.	7.483	2836.	2.698
1739.	7.444	2837.	2.683
1740.	7.419	2838.	2.675
1741.	7.433	2839.	2.681
1742.	7.425	2840.	2.713
1743.	7.412	2841.	2.695
1744.	7.391	2842.	2.668
1745.	7.368	2843.	2.635
1746.	7.373	2844.	2.668
1747.	7.374	2845.	2.681
1748.	7.342	2846.	2.654
1749.	7.342	2847.	2.64
1750.	7.336	2848.	2.673
1751.	7.286	2849.	2.668
1752.	7.347	2850.	2.664
1753.	7.284	2851.	2.672
1754.	7.287	2852.	2.686
1755.	7.272	2853.	2.666
1756.	7.261	2854.	2.621
1757.	7.249	2855.	2.674
1758.	7.242	2856.	2.637
1759.	7.226	2857.	2.652
1760.	7.2	2858.	2.643
1761.	7.218	2859.	2.63
1762.	7.174	2860.	2.64
1763.	7.181	2861.	2.651
1764.	7.183	2862.	2.643
1765.	7.164	2863.	2.631
1766.	7.156	2864.	2.653

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1767.	7.17	2865.	2.63
1768.	7.099	2866.	2.618
1769.	7.112	2867.	2.63
1770.	7.111	2868.	2.649
1771.	7.106	2869.	2.597
1772.	7.071	2870.	2.628
1773.	7.047	2871.	2.659
1774.	7.086	2872.	2.602
1775.	7.034	2873.	2.628
1776.	7.036	2874.	2.63
1777.	6.982	2875.	2.63
1778.	6.995	2876.	2.637
1779.	6.973	2877.	2.634
1780.	6.973	2878.	2.621
1781.	6.952	2879.	2.624
1782.	6.956	2880.	2.603
1783.	6.966	2881.	2.611
1784.	6.952	2882.	2.611
1785.	6.917	2883.	2.611
1786.	6.928	2884.	2.621
1787.	6.907	2885.	2.59
1788.	6.875	2886.	2.591
1789.	6.866	2887.	2.583
1790.	6.863	2888.	2.613
1791.	6.866	2889.	2.611
1792.	6.829	2890.	2.639
1793.	6.819	2891.	2.617
1794.	6.847	2892.	2.61
1795.	6.833	2893.	2.612
1796.	6.806	2894.	2.613
1797.	6.804	2895.	2.573
1798.	6.778	2896.	2.615
1799.	6.784	2897.	2.589
1800.	6.77	2898.	2.577
1801.	6.764	2899.	2.604
1802.	6.756	2900.	2.567
1803.	6.733	2901.	2.595
1804.	6.739	2902.	2.615
1805.	6.722	2903.	2.592
1806.	6.691	2904.	2.591
1807.	6.701	2905.	2.592
1808.	6.674	2906.	2.587
1809.	6.68	2907.	2.556
1810.	6.654	2908.	2.579
1811.	6.654	2909.	2.587
1812.	6.652	2910.	2.573
1813.	6.666	2911.	2.579
1814.	6.638	2912.	2.585
1815.	6.625	2913.	2.57
1816.	6.606	2914.	2.572
1817.	6.588	2915.	2.55
1818.	6.577	2916.	2.574
1819.	6.589	2917.	2.558
1820.	6.572	2918.	2.567
1821.	6.553	2919.	2.541
1822.	6.542	2920.	2.57
1823.	6.541	2921.	2.562
1824.	6.524	2922.	2.552
1825.	6.521	2923.	2.573
1826.	6.529	2924.	2.524
1827.	6.491	2925.	2.558
1828.	6.51	2926.	2.573
1829.	6.462	2927.	2.568
1830.	6.492	2928.	2.544
1831.	6.477	2929.	2.531
1832.	6.457	2930.	2.535

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1833.	6.436	2931.	2.533
1834.	6.441	2932.	2.53
1835.	6.436	2933.	2.556
1836.	6.425	2934.	2.55
1837.	6.419	2935.	2.537
1838.	6.387	2936.	2.547
1839.	6.381	2937.	2.525
1840.	6.383	2938.	2.572
1841.	6.366	2939.	2.551
1842.	6.365	2940.	2.513
1843.	6.35	2941.	2.556
1844.	6.366	2942.	2.528
1845.	6.344	2943.	2.513
1846.	6.319	2944.	2.515
1847.	6.313	2945.	2.503
1848.	6.363	2946.	2.528
1849.	6.308	2947.	2.524
1850.	6.298	2948.	2.515
1851.	6.282	2949.	2.516
1852.	6.302	2950.	2.547
1853.	6.288	2951.	2.508
1854.	6.239	2952.	2.523
1855.	6.239	2953.	2.494
1856.	6.239	2954.	2.521
1857.	6.208	2955.	2.491
1858.	6.187	2956.	2.503
1859.	6.242	2957.	2.512
1860.	6.213	2958.	2.535
1861.	6.185	2959.	2.492
1862.	6.232	2960.	2.53
1863.	6.172	2961.	2.491
1864.	6.149	2962.	2.487
1865.	6.155	2963.	2.503
1866.	6.158	2964.	2.502
1867.	6.134	2965.	2.533
1868.	6.138	2966.	2.48
1869.	6.134	2967.	2.484
1870.	6.15	2968.	2.513
1871.	6.106	2969.	2.492
1872.	6.123	2970.	2.502
1873.	6.113	2971.	2.497
1874.	6.065	2972.	2.497
1875.	6.078	2973.	2.495
1876.	6.06	2974.	2.469
1877.	6.06	2975.	2.497
1878.	6.041	2976.	2.488
1879.	6.06	2977.	2.469
1880.	6.061	2978.	2.494
1881.	6.006	2979.	2.472
1882.	6.026	2980.	2.471
1883.	6.012	2981.	2.494
1884.	6.038	2982.	2.472
1885.	5.995	2983.	2.493
1886.	5.99	2984.	2.496
1887.	6.001	2985.	2.497
1888.	5.982	2986.	2.481
1889.	5.964	2987.	2.47
1890.	5.958	2988.	2.488
1891.	5.958	2989.	2.465
1892.	5.956	2990.	2.484
1893.	5.951	2991.	2.5
1894.	5.952	2992.	2.461
1895.	5.936	2993.	2.459
1896.	5.933	2994.	2.465
1897.	5.898	2995.	2.472
1898.	5.893	2996.	2.475

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1899.	5.893	2997.	2.491
1900.	5.887	2998.	2.466
1901.	5.887	2999.	2.464
1902.	5.864	3000.	2.46
1903.	5.849	3001.	2.456
1904.	5.83	3002.	2.456
1905.	5.862	3003.	2.44
1906.	5.82	3004.	2.453
1907.	5.817	3005.	2.459
1908.	5.821	3006.	2.454
1909.	5.813	3007.	2.442
1910.	5.807	3008.	2.465
1911.	5.799	3009.	2.431
1912.	5.783	3010.	2.444
1913.	5.813	3011.	2.434
1914.	5.797	3012.	2.446
1915.	5.777	3013.	2.48
1916.	5.758	3014.	2.437
1917.	5.751	3015.	2.439
1918.	5.74	3016.	2.457
1919.	5.74	3017.	2.441
1920.	5.735	3018.	2.447
1921.	5.738	3019.	2.424
1922.	5.732	3020.	2.425
1923.	5.707	3021.	2.457
1924.	5.702	3022.	2.425
1925.	5.702	3023.	2.42
1926.	5.685	3024.	2.429
1927.	5.702	3025.	2.431
1928.	5.693	3026.	2.42
1929.	5.677	3027.	2.413
1930.	5.663	3028.	2.444
1931.	5.641	3029.	2.422
1932.	5.656	3030.	2.419
1933.	5.668	3031.	2.422
1934.	5.647	3032.	2.415
1935.	5.652	3033.	2.43
1936.	5.618	3034.	2.434
1937.	5.6	3035.	2.407
1938.	5.633	3036.	2.425
1939.	5.588	3037.	2.424
1940.	5.59	3038.	2.425
1941.	5.619	3039.	2.395
1942.	5.592	3040.	2.43
1943.	5.598	3041.	2.43
1944.	5.587	3042.	2.405
1945.	5.557	3043.	2.424
1946.	5.528	3044.	2.409
1947.	5.539	3045.	2.408
1948.	5.539	3046.	2.408
1949.	5.543	3047.	2.415
1950.	5.529	3048.	2.419
1951.	5.524	3049.	2.425
1952.	5.561	3050.	2.388
1953.	5.538	3051.	2.392
1954.	5.477	3052.	2.388
1955.	5.514	3053.	2.41
1956.	5.497	3054.	2.401
1957.	5.497	3055.	2.407
1958.	5.483	3056.	2.407
1959.	5.467	3057.	2.431
1960.	5.459	3058.	2.404
1961.	5.45	3059.	2.373
1962.	5.475	3060.	2.388
1963.	5.42	3061.	2.367
1964.	5.45	3062.	2.392

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1965.	5.435	3063.	2.402
1966.	5.416	3064.	2.378
1967.	5.416	3065.	2.395
1968.	5.413	3066.	2.407
1969.	5.396	3067.	2.415
1970.	5.411	3068.	2.392
1971.	5.396	3069.	2.379
1972.	5.384	3070.	2.384
1973.	5.361	3071.	2.397
1974.	5.384	3072.	2.388

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1301.6	ft^2/day
S	0.0001032	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.27 ft/day (0.00574 cm/sec)
Ss = S/b = 1.29E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1328.5	2.574	+/- 5.048	516.1	ft^2/day
S	9.4E-5	5.188E-7	+/- 1.017E-6	181.2	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.61 ft/day (0.005858 cm/sec)
Ss = S/b = 1.175E-6 1/ft

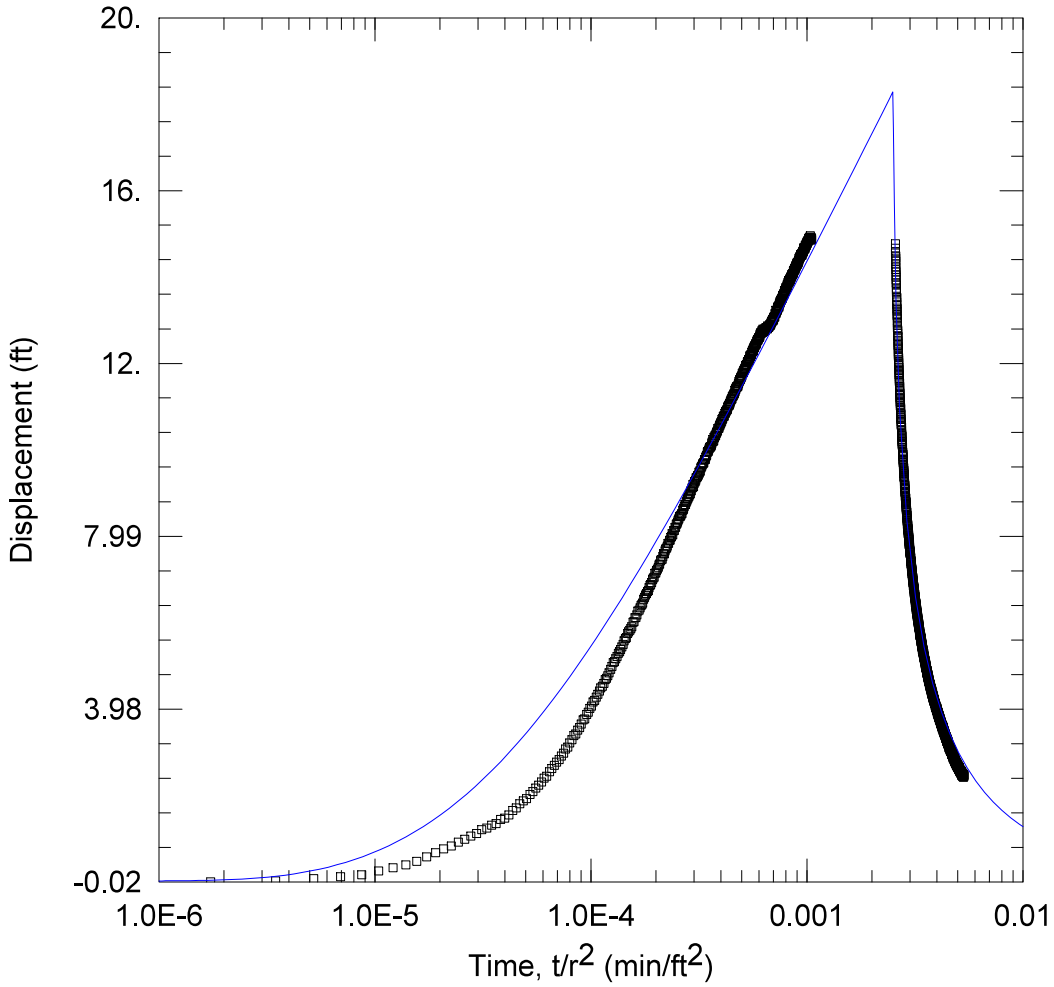
Parameter Correlations

	T	S
T	1.00	-0.66
S	-0.66	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 343.8 ft^2
Variance . . . . . 0.1567 ft^2
Std. Deviation . . . . . 0.3959 ft
Mean . . . . . -0.1496 ft
No. of Residuals 2196
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW23.aqt
Date: 04/11/25 Time: 12:09:28

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW23	563	1223

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1321.9 ft^2/day
S = 9.788E-5
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:11:27

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW23

X Location: 563. ft
Y Location: 1223. ft

Radial distance from BM 1B: 758.5894805 ft
Radial distance from BM2A: 1006.23854 ft
Radial distance from BM3: 512.69094 ft
Radial distance from BM 4 : 483.5969396 ft
Radial distance from BM5: 300.308175 ft
Radial distance from BM 6: 465.4137944 ft
Radial distance from BM7: 838.6715686 ft
Radial distance from BM9: 1523.649894 ft

Fully Penetrating Well

No. of Observations: 2195

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.01892	1971.	5.406
2.	0.003791	1972.	5.408
3.	0.0571	1973.	5.384
4.	0.0976	1974.	5.408
5.	0.1408	1975.	5.355
6.	0.2345	1976.	5.386
7.	0.3055	1977.	5.351
8.	0.3702	1978.	5.353
9.	0.4525	1979.	5.366
10.	0.557	1980.	5.363
11.	0.6525	1981.	5.37
12.	0.7444	1982.	5.31
13.	0.8132	1983.	5.356
14.	0.8999	1984.	5.343
15.	0.9679	1985.	5.317
16.	1.043	1986.	5.314
17.	1.099	1987.	5.305
18.	1.189	1988.	5.325
19.	1.223	1989.	5.314
20.	1.289	1990.	5.279
21.	1.329	1991.	5.277
22.	1.425	1992.	5.283
23.	1.456	1993.	5.287
24.	1.53	1994.	5.26
25.	1.63	1995.	5.289
26.	1.696	1996.	5.256
27.	1.786	1997.	5.263
28.	1.857	1998.	5.282
29.	1.91	1999.	5.238
30.	2.006	2000.	5.215
31.	2.074	2001.	5.228
32.	2.156	2002.	5.272

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	2.219	2003.	5.233
34.	2.294	2004.	5.21
35.	2.38	2005.	5.209
36.	2.426	2006.	5.199
37.	2.532	2007.	5.174
38.	2.605	2008.	5.208
39.	2.677	2009.	5.184
40.	2.751	2010.	5.18
41.	2.813	2011.	5.166
42.	2.895	2012.	5.181
43.	2.959	2013.	5.142
44.	3.058	2014.	5.168
45.	3.099	2015.	5.167
46.	3.201	2016.	5.126
47.	3.272	2017.	5.127
48.	3.37	2018.	5.097
49.	3.405	2019.	5.107
50.	3.494	2020.	5.123
51.	3.555	2021.	5.152
52.	3.634	2022.	5.127
53.	3.73	2023.	5.106
54.	3.753	2024.	5.109
55.	3.856	2025.	5.1
56.	3.912	2026.	5.098
57.	3.995	2027.	5.083
58.	4.051	2028.	5.055
59.	4.149	2029.	5.092
60.	4.185	2030.	5.08
61.	4.261	2031.	5.082
62.	4.321	2032.	5.046
63.	4.398	2033.	5.086
64.	4.47	2034.	5.087
65.	4.511	2035.	5.036
66.	4.581	2036.	5.012
67.	4.663	2037.	5.037
68.	4.695	2038.	5.035
69.	4.758	2039.	5.024
70.	4.819	2040.	5.016
71.	4.904	2041.	5.022
72.	4.967	2042.	5.007
73.	5.056	2043.	5.029
74.	5.082	2044.	4.99
75.	5.147	2045.	4.985
76.	5.202	2046.	5.01
77.	5.271	2047.	4.969
78.	5.311	2048.	4.99
79.	5.36	2049.	4.937
80.	5.423	2050.	4.944
81.	5.485	2051.	4.936
82.	5.563	2052.	4.958
83.	5.617	2053.	4.933
84.	5.64	2054.	4.958
85.	5.736	2055.	4.948
86.	5.769	2056.	4.957
87.	5.815	2057.	4.928
88.	5.848	2058.	4.945
89.	5.891	2059.	4.898
90.	5.995	2060.	4.927
91.	6.011	2061.	4.908
92.	6.101	2062.	4.89
93.	6.106	2063.	4.88
94.	6.167	2064.	4.883
95.	6.258	2065.	4.881
96.	6.277	2066.	4.867
97.	6.329	2067.	4.867
98.	6.386	2068.	4.856

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	6.41	2069.	4.848
100.	6.442	2070.	4.824
101.	6.528	2071.	4.879
102.	6.574	2072.	4.872
103.	6.624	2073.	4.865
104.	6.666	2074.	4.827
105.	6.707	2075.	4.838
106.	6.734	2076.	4.819
107.	6.8	2077.	4.807
108.	6.847	2078.	4.811
109.	6.873	2079.	4.806
110.	6.92	2080.	4.797
111.	6.984	2081.	4.801
112.	7.02	2082.	4.758
113.	7.04	2083.	4.772
114.	7.132	2084.	4.789
115.	7.138	2085.	4.801
116.	7.194	2086.	4.774
117.	7.229	2087.	4.762
118.	7.269	2088.	4.791
119.	7.324	2089.	4.766
120.	7.345	2090.	4.746
121.	7.416	2091.	4.764
122.	7.45	2092.	4.793
123.	7.46	2093.	4.725
124.	7.515	2094.	4.747
125.	7.583	2095.	4.737
126.	7.577	2096.	4.727
127.	7.647	2097.	4.707
128.	7.694	2098.	4.7
129.	7.717	2099.	4.724
130.	7.759	2100.	4.699
131.	7.814	2101.	4.707
132.	7.829	2102.	4.708
133.	7.891	2103.	4.712
134.	7.9	2104.	4.712
135.	7.958	2105.	4.662
136.	7.98	2106.	4.717
137.	8.05	2107.	4.701
138.	8.016	2108.	4.681
139.	8.116	2109.	4.69
140.	8.123	2110.	4.651
141.	8.186	2111.	4.671
142.	8.195	2112.	4.666
143.	8.265	2113.	4.636
144.	8.28	2114.	4.638
145.	8.312	2115.	4.639
146.	8.355	2116.	4.656
147.	8.389	2117.	4.608
148.	8.446	2118.	4.626
149.	8.44	2119.	4.62
150.	8.466	2120.	4.627
151.	8.503	2121.	4.632
152.	8.516	2122.	4.618
153.	8.595	2123.	4.615
154.	8.605	2124.	4.614
155.	8.633	2125.	4.623
156.	8.682	2126.	4.598
157.	8.728	2127.	4.576
158.	8.729	2128.	4.604
159.	8.777	2129.	4.564
160.	8.806	2130.	4.582
161.	8.854	2131.	4.582
162.	8.857	2132.	4.552
163.	8.897	2133.	4.569
164.	8.92	2134.	4.549

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	8.956	2135.	4.549
166.	8.975	2136.	4.562
167.	9.035	2137.	4.548
168.	9.043	2138.	4.545
169.	9.105	2139.	4.565
170.	9.112	2140.	4.553
171.	9.181	2141.	4.531
172.	9.138	2142.	4.511
173.	9.215	2143.	4.518
174.	9.247	2144.	4.541
175.	9.249	2145.	4.51
176.	9.288	2146.	4.531
177.	9.337	2147.	4.511
178.	9.342	2148.	4.498
179.	9.364	2149.	4.487
180.	9.391	2150.	4.486
181.	9.409	2151.	4.475
182.	9.469	2152.	4.473
183.	9.447	2153.	4.462
184.	9.497	2154.	4.493
185.	9.494	2155.	4.457
186.	9.567	2156.	4.496
187.	9.592	2157.	4.472
188.	9.615	2158.	4.464
189.	9.658	2159.	4.465
190.	9.662	2160.	4.462
191.	9.692	2161.	4.449
192.	9.688	2162.	4.453
193.	9.759	2163.	4.46
194.	9.763	2164.	4.434
195.	9.768	2165.	4.439
196.	9.819	2166.	4.4
197.	9.851	2167.	4.439
198.	9.869	2168.	4.411
199.	9.929	2169.	4.413
200.	9.947	2170.	4.419
201.	9.958	2171.	4.411
202.	9.988	2172.	4.393
203.	10.03	2173.	4.424
204.	10.05	2174.	4.402
205.	10.05	2175.	4.421
206.	10.06	2176.	4.384
207.	10.07	2177.	4.403
208.	10.1	2178.	4.396
209.	10.13	2179.	4.392
210.	10.17	2180.	4.382
211.	10.23	2181.	4.389
212.	10.19	2182.	4.355
213.	10.2	2183.	4.364
214.	10.28	2184.	4.33
215.	10.27	2185.	4.366
216.	10.31	2186.	4.355
217.	10.33	2187.	4.339
218.	10.32	2188.	4.349
219.	10.37	2189.	4.346
220.	10.39	2190.	4.325
221.	10.41	2191.	4.317
222.	10.43	2192.	4.321
223.	10.48	2193.	4.31
224.	10.48	2194.	4.335
225.	10.49	2195.	4.338
226.	10.52	2196.	4.344
227.	10.56	2197.	4.284
228.	10.56	2198.	4.329
229.	10.6	2199.	4.294
230.	10.61	2200.	4.318

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	10.63	2201.	4.281
232.	10.66	2202.	4.289
233.	10.69	2203.	4.289
234.	10.71	2204.	4.305
235.	10.71	2205.	4.297
236.	10.77	2206.	4.302
237.	10.77	2207.	4.265
238.	10.77	2208.	4.27
239.	10.79	2209.	4.264
240.	10.84	2210.	4.253
241.	10.84	2211.	4.258
242.	10.86	2212.	4.259
243.	10.88	2213.	4.234
244.	10.89	2214.	4.247
245.	10.92	2215.	4.25
246.	10.93	2216.	4.232
247.	10.93	2217.	4.221
248.	10.98	2218.	4.236
249.	11.	2219.	4.269
250.	11.02	2220.	4.208
251.	11.03	2221.	4.237
252.	11.03	2222.	4.223
253.	11.07	2223.	4.209
254.	11.08	2224.	4.218
255.	11.11	2225.	4.207
256.	11.15	2226.	4.22
257.	11.16	2227.	4.205
258.	11.17	2228.	4.216
259.	11.17	2229.	4.208
260.	11.23	2230.	4.207
261.	11.24	2231.	4.189
262.	11.24	2232.	4.215
263.	11.24	2233.	4.177
264.	11.28	2234.	4.189
265.	11.29	2235.	4.153
266.	11.3	2236.	4.169
267.	11.38	2237.	4.172
268.	11.34	2238.	4.17
269.	11.4	2239.	4.153
270.	11.38	2240.	4.159
271.	11.42	2241.	4.17
272.	11.45	2242.	4.132
273.	11.45	2243.	4.175
274.	11.46	2244.	4.147
275.	11.45	2245.	4.136
276.	11.48	2246.	4.149
277.	11.52	2247.	4.157
278.	11.54	2248.	4.121
279.	11.57	2249.	4.127
280.	11.58	2250.	4.133
281.	11.61	2251.	4.112
282.	11.63	2252.	4.129
283.	11.62	2253.	4.112
284.	11.64	2254.	4.108
285.	11.68	2255.	4.129
286.	11.67	2256.	4.115
287.	11.7	2257.	4.117
288.	11.7	2258.	4.101
289.	11.76	2259.	4.093
290.	11.76	2260.	4.113
291.	11.77	2261.	4.061
292.	11.8	2262.	4.106
293.	11.79	2263.	4.114
294.	11.82	2264.	4.092
295.	11.84	2265.	4.109
296.	11.85	2266.	4.074

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	11.87	2267.	4.085
298.	11.87	2268.	4.048
299.	11.9	2269.	4.045
300.	11.94	2270.	4.085
301.	11.92	2271.	4.089
302.	11.97	2272.	4.025
303.	11.97	2273.	4.068
304.	11.97	2274.	4.057
305.	12.02	2275.	4.025
306.	12.04	2276.	4.059
307.	12.04	2277.	4.048
308.	12.04	2278.	4.019
309.	12.08	2279.	4.03
310.	12.07	2280.	4.017
311.	12.07	2281.	4.033
312.	12.1	2282.	4.022
313.	12.12	2283.	4.025
314.	12.17	2284.	4.019
315.	12.17	2285.	4.042
316.	12.15	2286.	4.009
317.	12.19	2287.	4.015
318.	12.2	2288.	3.994
319.	12.2	2289.	4.006
320.	12.24	2290.	3.997
321.	12.26	2291.	3.995
322.	12.3	2292.	3.994
323.	12.27	2293.	3.995
324.	12.31	2294.	3.967
325.	12.29	2295.	3.992
326.	12.34	2296.	3.991
327.	12.33	2297.	3.972
328.	12.37	2298.	3.972
329.	12.39	2299.	3.955
330.	12.37	2300.	3.955
331.	12.41	2301.	3.993
332.	12.42	2302.	3.956
333.	12.43	2303.	4.007
334.	12.44	2304.	3.968
335.	12.46	2305.	3.96
336.	12.45	2306.	3.965
337.	12.47	2307.	3.961
338.	12.51	2308.	3.961
339.	12.53	2309.	3.949
340.	12.53	2310.	3.943
341.	12.55	2311.	3.946
342.	12.54	2312.	3.918
343.	12.56	2313.	3.921
344.	12.58	2314.	3.909
345.	12.59	2315.	3.924
346.	12.6	2316.	3.888
347.	12.6	2317.	3.902
348.	12.62	2318.	3.917
349.	12.63	2319.	3.879
350.	12.67	2320.	3.923
351.	12.7	2321.	3.912
352.	12.69	2322.	3.894
353.	12.7	2323.	3.914
354.	12.7	2324.	3.899
355.	12.71	2325.	3.893
356.	12.72	2326.	3.888
357.	12.75	2327.	3.874
358.	12.73	2328.	3.896
359.	12.75	2329.	3.899
360.	12.72	2330.	3.91
361.	12.79	2331.	3.85
362.	12.75	2332.	3.877

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	12.78	2333.	3.877
364.	12.73	2334.	3.853
365.	12.79	2335.	3.857
366.	12.78	2336.	3.896
367.	12.79	2337.	3.853
368.	12.76	2338.	3.858
369.	12.75	2339.	3.856
370.	12.79	2340.	3.853
371.	12.78	2341.	3.843
372.	12.82	2342.	3.831
373.	12.8	2343.	3.848
374.	12.8	2344.	3.823
375.	12.82	2345.	3.833
376.	12.83	2346.	3.812
377.	12.8	2347.	3.812
378.	12.79	2348.	3.814
379.	12.82	2349.	3.823
380.	12.87	2350.	3.789
381.	12.84	2351.	3.832
382.	12.83	2352.	3.813
383.	12.83	2353.	3.785
384.	12.85	2354.	3.813
385.	12.86	2355.	3.792
386.	12.86	2356.	3.842
387.	12.89	2357.	3.8
388.	12.88	2358.	3.806
389.	12.87	2359.	3.819
390.	12.88	2360.	3.82
391.	12.89	2361.	3.801
392.	12.91	2362.	3.769
393.	12.93	2363.	3.783
394.	12.94	2364.	3.753
395.	12.97	2365.	3.783
396.	12.95	2366.	3.781
397.	12.97	2367.	3.787
398.	12.99	2368.	3.743
399.	12.99	2369.	3.784
400.	13.01	2370.	3.77
401.	12.98	2371.	3.757
402.	13.03	2372.	3.762
403.	13.04	2373.	3.759
404.	13.	2374.	3.737
405.	13.06	2375.	3.753
406.	13.07	2376.	3.765
407.	13.07	2377.	3.759
408.	13.08	2378.	3.749
409.	13.07	2379.	3.741
410.	13.13	2380.	3.73
411.	13.16	2381.	3.733
412.	13.15	2382.	3.708
413.	13.15	2383.	3.71
414.	13.22	2384.	3.742
415.	13.16	2385.	3.693
416.	13.19	2386.	3.74
417.	13.21	2387.	3.722
418.	13.22	2388.	3.72
419.	13.21	2389.	3.711
420.	13.24	2390.	3.713
421.	13.26	2391.	3.701
422.	13.29	2392.	3.718
423.	13.26	2393.	3.682
424.	13.31	2394.	3.678
425.	13.31	2395.	3.668
426.	13.32	2396.	3.678
427.	13.3	2397.	3.697
428.	13.34	2398.	3.692

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	13.37	2399.	3.668
430.	13.38	2400.	3.651
431.	13.37	2401.	3.677
432.	13.42	2402.	3.681
433.	13.41	2403.	3.698
434.	13.43	2404.	3.65
435.	13.45	2405.	3.668
436.	13.47	2406.	3.644
437.	13.45	2407.	3.644
438.	13.46	2408.	3.661
439.	13.49	2409.	3.644
440.	13.48	2410.	3.68
441.	13.49	2411.	3.64
442.	13.52	2412.	3.653
443.	13.5	2413.	3.638
444.	13.57	2414.	3.635
445.	13.55	2415.	3.621
446.	13.56	2416.	3.636
447.	13.58	2417.	3.633
448.	13.6	2418.	3.643
449.	13.6	2419.	3.625
450.	13.59	2420.	3.634
451.	13.61	2421.	3.637
452.	13.61	2422.	3.63
453.	13.68	2423.	3.607
454.	13.67	2424.	3.594
455.	13.65	2425.	3.594
456.	13.67	2426.	3.599
457.	13.66	2427.	3.6
458.	13.7	2428.	3.568
459.	13.69	2429.	3.605
460.	13.72	2430.	3.591
461.	13.75	2431.	3.581
462.	13.75	2432.	3.582
463.	13.75	2433.	3.611
464.	13.76	2434.	3.603
465.	13.76	2435.	3.581
466.	13.79	2436.	3.596
467.	13.83	2437.	3.589
468.	13.79	2438.	3.576
469.	13.79	2439.	3.564
470.	13.82	2440.	3.541
471.	13.86	2441.	3.565
472.	13.86	2442.	3.575
473.	13.87	2443.	3.568
474.	13.92	2444.	3.586
475.	13.88	2445.	3.555
476.	13.89	2446.	3.58
477.	13.88	2447.	3.552
478.	13.92	2448.	3.553
479.	13.94	2449.	3.544
480.	13.95	2450.	3.546
481.	13.95	2451.	3.559
482.	13.93	2452.	3.577
483.	13.96	2453.	3.572
484.	13.94	2454.	3.563
485.	14.	2455.	3.553
486.	13.98	2456.	3.54
487.	14.	2457.	3.55
488.	13.99	2458.	3.532
489.	14.02	2459.	3.563
490.	14.02	2460.	3.506
491.	14.05	2461.	3.509
492.	14.05	2462.	3.545
493.	14.05	2463.	3.483
494.	14.07	2464.	3.494

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	14.08	2465.	3.513
496.	14.08	2466.	3.522
497.	14.08	2467.	3.479
498.	14.14	2468.	3.474
499.	14.09	2469.	3.487
500.	14.13	2470.	3.502
501.	14.15	2471.	3.491
502.	14.15	2472.	3.49
503.	14.15	2473.	3.459
504.	14.17	2474.	3.472
505.	14.2	2475.	3.504
506.	14.18	2476.	3.492
507.	14.18	2477.	3.46
508.	14.19	2478.	3.475
509.	14.22	2479.	3.479
510.	14.21	2480.	3.466
511.	14.23	2481.	3.471
512.	14.26	2482.	3.481
513.	14.24	2483.	3.44
514.	14.25	2484.	3.491
515.	14.27	2485.	3.449
516.	14.27	2486.	3.466
517.	14.29	2487.	3.475
518.	14.31	2488.	3.441
519.	14.29	2489.	3.45
520.	14.33	2490.	3.426
521.	14.31	2491.	3.44
522.	14.3	2492.	3.432
523.	14.33	2493.	3.449
524.	14.35	2494.	3.432
525.	14.33	2495.	3.442
526.	14.36	2496.	3.418
527.	14.37	2497.	3.456
528.	14.38	2498.	3.429
529.	14.39	2499.	3.43
530.	14.43	2500.	3.402
531.	14.43	2501.	3.416
532.	14.42	2502.	3.415
533.	14.45	2503.	3.432
534.	14.45	2504.	3.391
535.	14.47	2505.	3.388
536.	14.46	2506.	3.395
537.	14.47	2507.	3.417
538.	14.48	2508.	3.414
539.	14.5	2509.	3.384
540.	14.51	2510.	3.383
541.	14.51	2511.	3.4
542.	14.5	2512.	3.389
543.	14.53	2513.	3.388
544.	14.52	2514.	3.369
545.	14.5	2515.	3.399
546.	14.51	2516.	3.391
547.	14.54	2517.	3.377
548.	14.56	2518.	3.363
549.	14.55	2519.	3.37
550.	14.57	2520.	3.397
551.	14.57	2521.	3.384
552.	14.58	2522.	3.35
553.	14.57	2523.	3.365
554.	14.61	2524.	3.356
555.	14.59	2525.	3.349
556.	14.62	2526.	3.357
557.	14.67	2527.	3.359
558.	14.63	2528.	3.351
559.	14.67	2529.	3.324
560.	14.65	2530.	3.328

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	14.66	2531.	3.341
562.	14.67	2532.	3.304
563.	14.65	2533.	3.343
564.	14.68	2534.	3.347
565.	14.7	2535.	3.329
566.	14.72	2536.	3.32
567.	14.69	2537.	3.327
568.	14.71	2538.	3.338
569.	14.74	2539.	3.319
570.	14.72	2540.	3.306
571.	14.76	2541.	3.321
572.	14.73	2542.	3.31
573.	14.74	2543.	3.317
574.	14.74	2544.	3.314
575.	14.77	2545.	3.293
576.	14.78	2546.	3.314
577.	14.81	2547.	3.334
578.	14.81	2548.	3.299
579.	14.81	2549.	3.3
580.	14.78	2550.	3.285
581.	14.82	2551.	3.277
582.	14.83	2552.	3.3
583.	14.83	2553.	3.297
584.	14.84	2554.	3.302
585.	14.85	2555.	3.302
586.	14.84	2556.	3.251
587.	14.84	2557.	3.25
588.	14.89	2558.	3.26
589.	14.88	2559.	3.3
590.	14.87	2560.	3.26
591.	14.89	2561.	3.283
592.	14.91	2562.	3.27
593.	14.89	2563.	3.261
594.	14.91	2564.	3.235
595.	14.93	2565.	3.246
596.	14.9	2566.	3.243
597.	14.95	2567.	3.252
598.	14.87	2568.	3.233
599.	14.86	2569.	3.287
600.	14.88	2570.	3.258
601.	14.91	2571.	3.232
602.	14.9	2572.	3.236
603.	14.91	2573.	3.262
604.	14.88	2574.	3.248
605.	14.89	2575.	3.227
606.	14.86	2576.	3.239
1479.	14.77	2577.	3.217
1480.	14.66	2578.	3.236
1481.	14.58	2579.	3.231
1482.	14.55	2580.	3.197
1483.	14.48	2581.	3.201
1484.	14.43	2582.	3.245
1485.	14.37	2583.	3.21
1486.	14.3	2584.	3.254
1487.	14.23	2585.	3.208
1488.	14.16	2586.	3.185
1489.	14.12	2587.	3.228
1490.	14.05	2588.	3.241
1491.	13.99	2589.	3.214
1492.	13.93	2590.	3.205
1493.	13.86	2591.	3.187
1494.	13.81	2592.	3.2
1495.	13.74	2593.	3.208
1496.	13.7	2594.	3.199
1497.	13.67	2595.	3.159
1498.	13.63	2596.	3.186

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1499.	13.53	2597.	3.202
1500.	13.51	2598.	3.194
1501.	13.41	2599.	3.187
1502.	13.36	2600.	3.164
1503.	13.34	2601.	3.176
1504.	13.27	2602.	3.165
1505.	13.24	2603.	3.162
1506.	13.2	2604.	3.147
1507.	13.13	2605.	3.165
1508.	13.09	2606.	3.171
1509.	13.04	2607.	3.145
1510.	12.97	2608.	3.155
1511.	12.93	2609.	3.165
1512.	12.87	2610.	3.149
1513.	12.82	2611.	3.152
1514.	12.77	2612.	3.155
1515.	12.75	2613.	3.137
1516.	12.7	2614.	3.131
1517.	12.63	2615.	3.142
1518.	12.61	2616.	3.152
1519.	12.61	2617.	3.153
1520.	12.52	2618.	3.142
1521.	12.47	2619.	3.09
1522.	12.42	2620.	3.141
1523.	12.39	2621.	3.133
1524.	12.35	2622.	3.129
1525.	12.32	2623.	3.124
1526.	12.26	2624.	3.146
1527.	12.22	2625.	3.127
1528.	12.18	2626.	3.128
1529.	12.15	2627.	3.105
1530.	12.12	2628.	3.106
1531.	12.08	2629.	3.127
1532.	12.03	2630.	3.084
1533.	12.	2631.	3.115
1534.	11.95	2632.	3.108
1535.	11.9	2633.	3.114
1536.	11.86	2634.	3.115
1537.	11.83	2635.	3.065
1538.	11.78	2636.	3.09
1539.	11.73	2637.	3.106
1540.	11.73	2638.	3.113
1541.	11.68	2639.	3.087
1542.	11.63	2640.	3.082
1543.	11.6	2641.	3.096
1544.	11.57	2642.	3.086
1545.	11.54	2643.	3.088
1546.	11.47	2644.	3.096
1547.	11.46	2645.	3.075
1548.	11.43	2646.	3.076
1549.	11.37	2647.	3.031
1550.	11.35	2648.	3.081
1551.	11.31	2649.	3.062
1552.	11.29	2650.	3.058
1553.	11.25	2651.	3.08
1554.	11.2	2652.	3.07
1555.	11.19	2653.	3.066
1556.	11.14	2654.	3.035
1557.	11.1	2655.	3.093
1558.	11.09	2656.	3.08
1559.	11.05	2657.	3.054
1560.	11.	2658.	3.025
1561.	10.97	2659.	3.04
1562.	10.97	2660.	3.064
1563.	10.93	2661.	3.038
1564.	10.94	2662.	3.033

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1565.	10.84	2663.	3.054
1566.	10.85	2664.	3.038
1567.	10.82	2665.	3.016
1568.	10.8	2666.	3.037
1569.	10.73	2667.	3.047
1570.	10.7	2668.	3.049
1571.	10.7	2669.	3.012
1572.	10.63	2670.	3.034
1573.	10.64	2671.	3.018
1574.	10.59	2672.	3.01
1575.	10.56	2673.	3.004
1576.	10.56	2674.	3.056
1577.	10.52	2675.	3.027
1578.	10.51	2676.	3.041
1579.	10.45	2677.	3.029
1580.	10.44	2678.	3.022
1581.	10.39	2679.	2.992
1582.	10.37	2680.	3.02
1583.	10.33	2681.	3.004
1584.	10.31	2682.	3.008
1585.	10.31	2683.	3.02
1586.	10.28	2684.	3.007
1587.	10.23	2685.	3.008
1588.	10.2	2686.	3.008
1589.	10.18	2687.	2.957
1590.	10.18	2688.	3.005
1591.	10.14	2689.	2.992
1592.	10.12	2690.	3.004
1593.	10.09	2691.	2.998
1594.	10.04	2692.	2.992
1595.	10.05	2693.	2.985
1596.	10.05	2694.	2.984
1597.	9.957	2695.	2.994
1598.	9.953	2696.	2.947
1599.	9.929	2697.	2.961
1600.	9.89	2698.	3.002
1601.	9.883	2699.	2.965
1602.	9.882	2700.	2.965
1603.	9.842	2701.	2.965
1604.	9.825	2702.	2.955
1605.	9.768	2703.	2.935
1606.	9.776	2704.	2.958
1607.	9.742	2705.	2.925
1608.	9.725	2706.	2.93
1609.	9.688	2707.	2.933
1610.	9.653	2708.	2.965
1611.	9.635	2709.	2.945
1612.	9.614	2710.	2.937
1613.	9.632	2711.	2.927
1614.	9.579	2712.	2.94
1615.	9.575	2713.	2.967
1616.	9.524	2714.	2.933
1617.	9.518	2715.	2.942
1618.	9.489	2716.	2.945
1619.	9.476	2717.	2.931
1620.	9.439	2718.	2.922
1621.	9.434	2719.	2.942
1622.	9.425	2720.	2.941
1623.	9.377	2721.	2.908
1624.	9.358	2722.	2.934
1625.	9.353	2723.	2.899
1626.	9.351	2724.	2.958
1627.	9.305	2725.	2.9
1628.	9.316	2726.	2.903
1629.	9.281	2727.	2.901
1630.	9.246	2728.	2.921

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1631.	9.191	2729.	2.89
1632.	9.204	2730.	2.923
1633.	9.17	2731.	2.896
1634.	9.165	2732.	2.904
1635.	9.163	2733.	2.921
1636.	9.128	2734.	2.925
1637.	9.106	2735.	2.917
1638.	9.087	2736.	2.902
1639.	9.062	2737.	2.849
1640.	9.029	2738.	2.911
1641.	9.018	2739.	2.911
1642.	8.993	2740.	2.867
1643.	8.989	2741.	2.857
1644.	8.98	2742.	2.878
1645.	8.94	2743.	2.896
1646.	8.92	2744.	2.872
1647.	8.91	2745.	2.872
1648.	8.894	2746.	2.877
1649.	8.872	2747.	2.926
1650.	8.878	2748.	2.884
1651.	8.806	2749.	2.837
1652.	8.792	2750.	2.846
1653.	8.782	2751.	2.876
1654.	8.781	2752.	2.857
1655.	8.784	2753.	2.87
1656.	8.752	2754.	2.862
1657.	8.739	2755.	2.879
1658.	8.708	2756.	2.883
1659.	8.657	2757.	2.87
1660.	8.67	2758.	2.847
1661.	8.669	2759.	2.868
1662.	8.601	2760.	2.862
1663.	8.631	2761.	2.878
1664.	8.624	2762.	2.858
1665.	8.592	2763.	2.816
1666.	8.579	2764.	2.825
1667.	8.544	2765.	2.833
1668.	8.542	2766.	2.853
1669.	8.543	2767.	2.825
1670.	8.495	2768.	2.855
1671.	8.475	2769.	2.841
1672.	8.475	2770.	2.836
1673.	8.464	2771.	2.837
1674.	8.419	2772.	2.847
1675.	8.402	2773.	2.827
1676.	8.389	2774.	2.792
1677.	8.369	2775.	2.818
1678.	8.351	2776.	2.812
1679.	8.337	2777.	2.815
1680.	8.34	2778.	2.811
1681.	8.313	2779.	2.815
1682.	8.262	2780.	2.787
1683.	8.266	2781.	2.817
1684.	8.261	2782.	2.819
1685.	8.245	2783.	2.781
1686.	8.227	2784.	2.805
1687.	8.224	2785.	2.786
1688.	8.249	2786.	2.811
1689.	8.174	2787.	2.8
1690.	8.182	2788.	2.824
1691.	8.138	2789.	2.783
1692.	8.149	2790.	2.806
1693.	8.125	2791.	2.772
1694.	8.131	2792.	2.782
1695.	8.096	2793.	2.785
1696.	8.082	2794.	2.757

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1697.	8.045	2795.	2.76
1698.	8.064	2796.	2.779
1699.	8.042	2797.	2.792
1700.	8.041	2798.	2.766
1701.	8.	2799.	2.768
1702.	8.008	2800.	2.774
1703.	7.989	2801.	2.746
1704.	7.963	2802.	2.768
1705.	7.949	2803.	2.767
1706.	7.955	2804.	2.757
1707.	7.93	2805.	2.766
1708.	7.923	2806.	2.766
1709.	7.886	2807.	2.76
1710.	7.909	2808.	2.756
1711.	7.861	2809.	2.774
1712.	7.842	2810.	2.797
1713.	7.821	2811.	2.768
1714.	7.849	2812.	2.731
1715.	7.789	2813.	2.736
1716.	7.795	2814.	2.747
1717.	7.799	2815.	2.759
1718.	7.792	2816.	2.743
1719.	7.754	2817.	2.721
1720.	7.742	2818.	2.744
1721.	7.729	2819.	2.74
1722.	7.699	2820.	2.729
1723.	7.713	2821.	2.746
1724.	7.674	2822.	2.724
1725.	7.663	2823.	2.728
1726.	7.646	2824.	2.75
1727.	7.624	2825.	2.742
1728.	7.615	2826.	2.692
1729.	7.634	2827.	2.759
1730.	7.615	2828.	2.729
1731.	7.616	2829.	2.743
1732.	7.602	2830.	2.713
1733.	7.577	2831.	2.72
1734.	7.581	2832.	2.75
1735.	7.526	2833.	2.741
1736.	7.53	2834.	2.712
1737.	7.492	2835.	2.732
1738.	7.522	2836.	2.72
1739.	7.504	2837.	2.69
1740.	7.477	2838.	2.717
1741.	7.484	2839.	2.709
1742.	7.431	2840.	2.718
1743.	7.436	2841.	2.739
1744.	7.406	2842.	2.709
1745.	7.419	2843.	2.726
1746.	7.402	2844.	2.721
1747.	7.392	2845.	2.708
1748.	7.392	2846.	2.698
1749.	7.38	2847.	2.686
1750.	7.347	2848.	2.685
1751.	7.346	2849.	2.697
1752.	7.338	2850.	2.674
1753.	7.316	2851.	2.703
1754.	7.289	2852.	2.725
1755.	7.291	2853.	2.666
1756.	7.282	2854.	2.7
1757.	7.271	2855.	2.702
1758.	7.285	2856.	2.699
1759.	7.258	2857.	2.674
1760.	7.221	2858.	2.66
1761.	7.209	2859.	2.68
1762.	7.217	2860.	2.674

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1763.	7.196	2861.	2.657
1764.	7.2	2862.	2.691
1765.	7.164	2863.	2.682
1766.	7.165	2864.	2.681
1767.	7.159	2865.	2.685
1768.	7.154	2866.	2.671
1769.	7.114	2867.	2.659
1770.	7.119	2868.	2.661
1771.	7.093	2869.	2.669
1772.	7.1	2870.	2.682
1773.	7.105	2871.	2.67
1774.	7.072	2872.	2.666
1775.	7.058	2873.	2.673
1776.	7.063	2874.	2.686
1777.	7.04	2875.	2.635
1778.	7.009	2876.	2.666
1779.	7.022	2877.	2.658
1780.	7.004	2878.	2.662
1781.	6.996	2879.	2.644
1782.	6.975	2880.	2.64
1783.	6.967	2881.	2.668
1784.	6.952	2882.	2.643
1785.	6.955	2883.	2.627
1786.	6.94	2884.	2.669
1787.	6.922	2885.	2.665
1788.	6.914	2886.	2.626
1789.	6.906	2887.	2.623
1790.	6.908	2888.	2.617
1791.	6.879	2889.	2.627
1792.	6.895	2890.	2.656
1793.	6.904	2891.	2.618
1794.	6.842	2892.	2.634
1795.	6.842	2893.	2.636
1796.	6.82	2894.	2.633
1797.	6.838	2895.	2.624
1798.	6.819	2896.	2.606
1799.	6.816	2897.	2.603
1800.	6.785	2898.	2.627
1801.	6.785	2899.	2.638
1802.	6.79	2900.	2.619
1803.	6.766	2901.	2.623
1804.	6.77	2902.	2.621
1805.	6.767	2903.	2.644
1806.	6.72	2904.	2.636
1807.	6.751	2905.	2.61
1808.	6.704	2906.	2.602
1809.	6.738	2907.	2.626
1810.	6.674	2908.	2.59
1811.	6.687	2909.	2.597
1812.	6.675	2910.	2.61
1813.	6.665	2911.	2.605
1814.	6.647	2912.	2.591
1815.	6.634	2913.	2.598
1816.	6.635	2914.	2.637
1817.	6.653	2915.	2.595
1818.	6.599	2916.	2.601
1819.	6.58	2917.	2.602
1820.	6.591	2918.	2.574
1821.	6.593	2919.	2.596
1822.	6.574	2920.	2.619
1823.	6.545	2921.	2.583
1824.	6.595	2922.	2.587
1825.	6.579	2923.	2.595
1826.	6.536	2924.	2.598
1827.	6.515	2925.	2.632
1828.	6.536	2926.	2.569

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1829.	6.524	2927.	2.57
1830.	6.501	2928.	2.596
1831.	6.451	2929.	2.597
1832.	6.485	2930.	2.588
1833.	6.45	2931.	2.581
1834.	6.466	2932.	2.589
1835.	6.456	2933.	2.557
1836.	6.439	2934.	2.582
1837.	6.422	2935.	2.56
1838.	6.434	2936.	2.565
1839.	6.402	2937.	2.573
1840.	6.376	2938.	2.576
1841.	6.422	2939.	2.569
1842.	6.391	2940.	2.551
1843.	6.386	2941.	2.554
1844.	6.36	2942.	2.544
1845.	6.398	2943.	2.564
1846.	6.352	2944.	2.557
1847.	6.331	2945.	2.573
1848.	6.333	2946.	2.564
1849.	6.29	2947.	2.552
1850.	6.292	2948.	2.557
1851.	6.325	2949.	2.553
1852.	6.274	2950.	2.555
1853.	6.29	2951.	2.554
1854.	6.29	2952.	2.539
1855.	6.292	2953.	2.553
1856.	6.273	2954.	2.53
1857.	6.251	2955.	2.527
1858.	6.255	2956.	2.518
1859.	6.233	2957.	2.557
1860.	6.226	2958.	2.539
1861.	6.214	2959.	2.521
1862.	6.217	2960.	2.508
1863.	6.188	2961.	2.543
1864.	6.177	2962.	2.551
1865.	6.198	2963.	2.532
1866.	6.15	2964.	2.51
1867.	6.154	2965.	2.54
1868.	6.178	2966.	2.529
1869.	6.168	2967.	2.552
1870.	6.119	2968.	2.509
1871.	6.123	2969.	2.507
1872.	6.125	2970.	2.51
1873.	6.135	2971.	2.535
1874.	6.116	2972.	2.537
1875.	6.108	2973.	2.533
1876.	6.106	2974.	2.513
1877.	6.06	2975.	2.538
1878.	6.081	2976.	2.529
1879.	6.1	2977.	2.513
1880.	6.056	2978.	2.496
1881.	6.05	2979.	2.518
1882.	6.038	2980.	2.515
1883.	6.019	2981.	2.525
1884.	6.032	2982.	2.514
1885.	6.03	2983.	2.517
1886.	6.004	2984.	2.506
1887.	6.006	2985.	2.509
1888.	5.973	2986.	2.542
1889.	5.989	2987.	2.532
1890.	5.983	2988.	2.522
1891.	5.945	2989.	2.481
1892.	5.958	2990.	2.51
1893.	5.963	2991.	2.501
1894.	5.958	2992.	2.503

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1895.	5.93	2993.	2.513
1896.	5.966	2994.	2.522
1897.	5.925	2995.	2.496
1898.	5.939	2996.	2.531
1899.	5.897	2997.	2.484
1900.	5.913	2998.	2.472
1901.	5.91	2999.	2.482
1902.	5.884	3000.	2.496
1903.	5.869	3001.	2.493
1904.	5.879	3002.	2.519
1905.	5.871	3003.	2.477
1906.	5.885	3004.	2.499
1907.	5.847	3005.	2.486
1908.	5.879	3006.	2.488
1909.	5.832	3007.	2.486
1910.	5.815	3008.	2.499
1911.	5.823	3009.	2.507
1912.	5.829	3010.	2.458
1913.	5.806	3011.	2.467
1914.	5.774	3012.	2.487
1915.	5.821	3013.	2.449
1916.	5.795	3014.	2.448
1917.	5.763	3015.	2.482
1918.	5.724	3016.	2.478
1919.	5.732	3017.	2.488
1920.	5.776	3018.	2.444
1921.	5.744	3019.	2.467
1922.	5.73	3020.	2.468
1923.	5.719	3021.	2.489
1924.	5.681	3022.	2.479
1925.	5.694	3023.	2.469
1926.	5.693	3024.	2.463
1927.	5.71	3025.	2.487
1928.	5.695	3026.	2.454
1929.	5.682	3027.	2.45
1930.	5.677	3028.	2.438
1931.	5.686	3029.	2.47
1932.	5.683	3030.	2.466
1933.	5.644	3031.	2.448
1934.	5.687	3032.	2.462
1935.	5.657	3033.	2.461
1936.	5.644	3034.	2.451
1937.	5.657	3035.	2.428
1938.	5.629	3036.	2.469
1939.	5.621	3037.	2.452
1940.	5.612	3038.	2.446
1941.	5.608	3039.	2.482
1942.	5.6	3040.	2.482
1943.	5.621	3041.	2.466
1944.	5.623	3042.	2.445
1945.	5.576	3043.	2.427
1946.	5.557	3044.	2.432
1947.	5.541	3045.	2.432
1948.	5.576	3046.	2.458
1949.	5.553	3047.	2.429
1950.	5.556	3048.	2.403
1951.	5.532	3049.	2.433
1952.	5.552	3050.	2.439
1953.	5.528	3051.	2.434
1954.	5.539	3052.	2.44
1955.	5.511	3053.	2.449
1956.	5.527	3054.	2.431
1957.	5.518	3055.	2.419
1958.	5.49	3056.	2.442
1959.	5.498	3057.	2.427
1960.	5.485	3058.	2.434

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1961.	5.453	3059.	2.446
1962.	5.424	3060.	2.448
1963.	5.484	3061.	2.43
1964.	5.473	3062.	2.454
1965.	5.449	3063.	2.413
1966.	5.456	3064.	2.412
1967.	5.436	3065.	2.441
1968.	5.421	3066.	2.433
1969.	5.444	3067.	2.454
1970.	5.409		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1328.5	ft^2/day
S	9.4E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.61 ft/day (0.005858 cm/sec)
Ss = S/b = 1.175E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1321.9	2.543	+/- 4.986	519.9	ft^2/day
S	9.788E-5	5.523E-7	+/- 1.083E-6	177.2	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.52 ft/day (0.005829 cm/sec)
Ss = S/b = 1.224E-6 1/ft

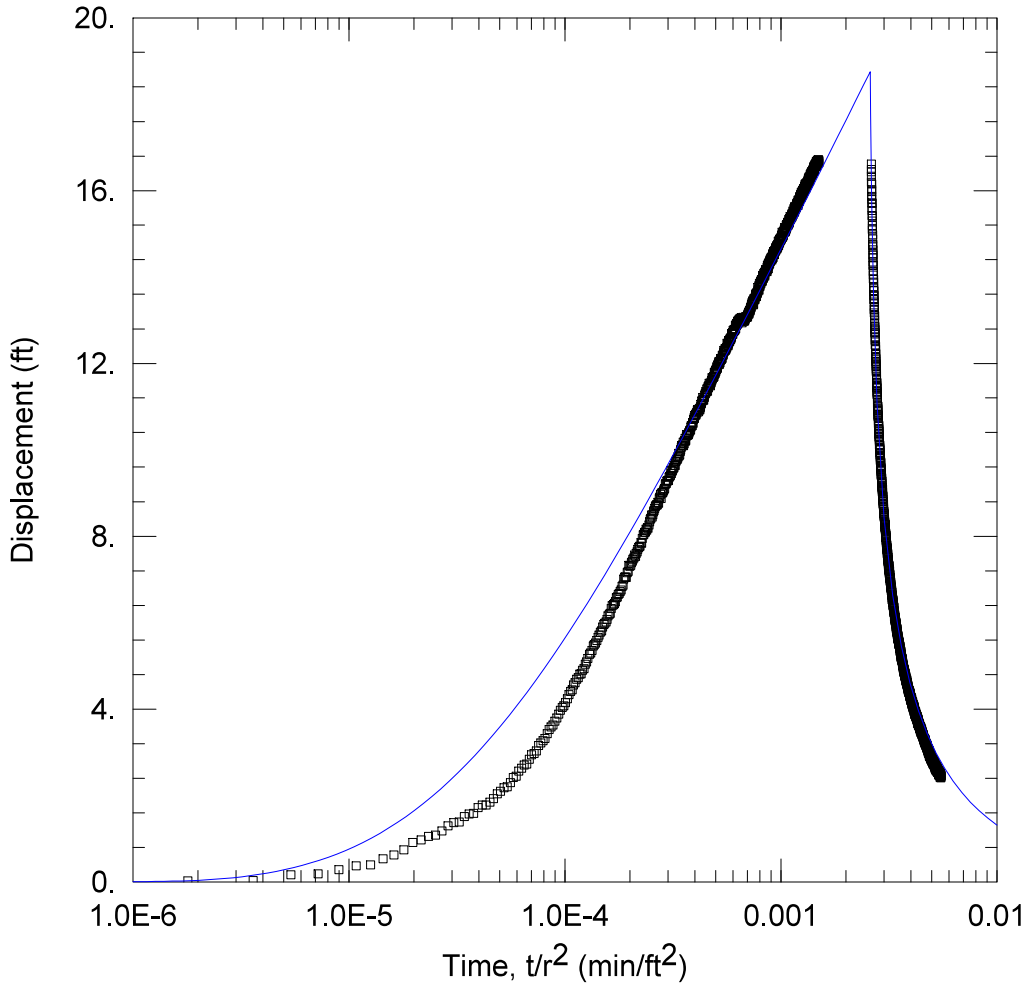
Parameter Correlations

	T	S
T	1.00	-0.68
S	-0.68	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 353.8 ft^2
Variance . . . . . 0.1613 ft^2
Std. Deviation . . . . . 0.4017 ft
Mean . . . . . -0.1512 ft
No. of Residuals 2195
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW24.aqt
Date: 04/11/25 Time: 12:09:53

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW24	641	1300

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1313.7 ft^2/day
S = 0.0001018
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:13:52

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW24

X Location: 641. ft
Y Location: 1300. ft

Radial distance from BM 1B: 745.2630408 ft
Radial distance from BM2A: 961.7614049 ft
Radial distance from BM3: 581.2202681 ft
Radial distance from BM 4 : 513.0155943 ft
Radial distance from BM5: 277.2183255 ft
Radial distance from BM 6: 381. ft
Radial distance from BM7: 752.662607 ft
Radial distance from BM9: 1435.462992 ft

Fully Penetrating Well

No. of Observations: 2440

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.02276	1842.	6.399
2.	0.02905	1843.	6.378
3.	0.1619	1844.	6.358
4.	0.1875	1845.	6.393
5.	0.2808	1846.	6.343
6.	0.3732	1847.	6.376
7.	0.3939	1848.	6.37
8.	0.5367	1849.	6.286
9.	0.6188	1850.	6.333
10.	0.7422	1851.	6.363
11.	0.911	1852.	6.349
12.	0.9733	1853.	6.365
13.	1.052	1854.	6.276
14.	1.082	1855.	6.28
15.	1.177	1856.	6.273
16.	1.298	1857.	6.27
17.	1.368	1858.	6.237
18.	1.386	1859.	6.268
19.	1.513	1860.	6.231
20.	1.572	1861.	6.24
21.	1.582	1862.	6.258
22.	1.716	1863.	6.223
23.	1.781	1864.	6.236
24.	1.777	1865.	6.197
25.	1.846	1866.	6.22
26.	1.924	1867.	6.135
27.	2.035	1868.	6.167
28.	2.099	1869.	6.188
29.	2.176	1870.	6.123
30.	2.201	1871.	6.118
31.	2.298	1872.	6.114
32.	2.418	1873.	6.138

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	2.448	1874.	6.135
34.	2.563	1875.	6.122
35.	2.628	1876.	6.114
36.	2.701	1877.	6.043
37.	2.724	1878.	6.085
38.	2.837	1879.	6.084
39.	2.938	1880.	6.063
40.	2.969	1881.	6.065
41.	3.027	1882.	6.057
42.	3.158	1883.	6.061
43.	3.218	1884.	6.106
44.	3.267	1885.	6.09
45.	3.319	1886.	6.03
46.	3.427	1887.	6.023
47.	3.527	1888.	6.004
48.	3.59	1889.	6.018
49.	3.634	1890.	5.985
50.	3.715	1891.	5.998
51.	3.79	1892.	6.008
52.	3.884	1893.	5.978
53.	3.969	1894.	5.966
54.	4.037	1895.	5.968
55.	4.071	1896.	5.942
56.	4.151	1897.	5.968
57.	4.236	1898.	5.969
58.	4.336	1899.	5.899
59.	4.408	1900.	5.955
60.	4.443	1901.	5.866
61.	4.556	1902.	5.922
62.	4.605	1903.	5.848
63.	4.692	1904.	5.896
64.	4.726	1905.	5.915
65.	4.809	1906.	5.904
66.	4.814	1907.	5.844
67.	4.894	1908.	5.85
68.	4.932	1909.	5.845
69.	5.039	1910.	5.821
70.	5.088	1911.	5.798
71.	5.168	1912.	5.816
72.	5.27	1913.	5.807
73.	5.293	1914.	5.865
74.	5.352	1915.	5.844
75.	5.458	1916.	5.8
76.	5.489	1917.	5.789
77.	5.525	1918.	5.803
78.	5.582	1919.	5.765
79.	5.658	1920.	5.769
80.	5.712	1921.	5.773
81.	5.777	1922.	5.781
82.	5.81	1923.	5.737
83.	5.898	1924.	5.759
84.	5.955	1925.	5.718
85.	5.983	1926.	5.685
86.	6.012	1927.	5.678
87.	6.076	1928.	5.658
88.	6.155	1929.	5.685
89.	6.189	1930.	5.718
90.	6.215	1931.	5.701
91.	6.325	1932.	5.651
92.	6.389	1933.	5.654
93.	6.416	1934.	5.635
94.	6.439	1935.	5.654
95.	6.485	1936.	5.692
96.	6.585	1937.	5.698
97.	6.6	1938.	5.644
98.	6.653	1939.	5.615

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	6.679	1940.	5.629
100.	6.723	1941.	5.629
101.	6.758	1942.	5.618
102.	6.839	1943.	5.62
103.	6.868	1944.	5.617
104.	7.011	1945.	5.619
105.	7.058	1946.	5.601
106.	7.062	1947.	5.564
107.	7.051	1948.	5.562
108.	7.161	1949.	5.572
109.	7.191	1950.	5.587
110.	7.328	1951.	5.529
111.	7.306	1952.	5.554
112.	7.332	1953.	5.525
113.	7.388	1954.	5.532
114.	7.428	1955.	5.56
115.	7.472	1956.	5.542
116.	7.5	1957.	5.536
117.	7.567	1958.	5.502
118.	7.535	1959.	5.545
119.	7.596	1960.	5.496
120.	7.637	1961.	5.503
121.	7.696	1962.	5.515
122.	7.743	1963.	5.493
123.	7.766	1964.	5.487
124.	7.767	1965.	5.486
125.	7.854	1966.	5.432
126.	7.84	1967.	5.422
127.	7.946	1968.	5.453
128.	8.029	1969.	5.45
129.	8.047	1970.	5.475
130.	8.086	1971.	5.465
131.	8.098	1972.	5.433
132.	8.166	1973.	5.46
133.	8.143	1974.	5.45
134.	8.202	1975.	5.431
135.	8.182	1976.	5.404
136.	8.263	1977.	5.397
137.	8.333	1978.	5.402
138.	8.389	1979.	5.424
139.	8.416	1980.	5.396
140.	8.487	1981.	5.343
141.	8.446	1982.	5.328
142.	8.497	1983.	5.385
143.	8.563	1984.	5.381
144.	8.594	1985.	5.348
145.	8.646	1986.	5.366
146.	8.685	1987.	5.344
147.	8.714	1988.	5.353
148.	8.725	1989.	5.314
149.	8.729	1990.	5.299
150.	8.787	1991.	5.311
151.	8.765	1992.	5.262
152.	8.864	1993.	5.257
153.	8.905	1994.	5.341
154.	8.967	1995.	5.312
155.	8.876	1996.	5.291
156.	9.003	1997.	5.325
157.	9.008	1998.	5.255
158.	9.007	1999.	5.278
159.	9.047	2000.	5.277
160.	9.072	2001.	5.236
161.	9.105	2002.	5.267
162.	9.197	2003.	5.204
163.	9.22	2004.	5.214
164.	9.22	2005.	5.192

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	9.275	2006.	5.201
166.	9.284	2007.	5.191
167.	9.3	2008.	5.198
168.	9.292	2009.	5.165
169.	9.361	2010.	5.236
170.	9.386	2011.	5.199
171.	9.406	2012.	5.183
172.	9.524	2013.	5.151
173.	9.455	2014.	5.155
174.	9.509	2015.	5.18
175.	9.523	2016.	5.134
176.	9.557	2017.	5.172
177.	9.58	2018.	5.153
178.	9.596	2019.	5.118
179.	9.651	2020.	5.151
180.	9.639	2021.	5.146
181.	9.731	2022.	5.15
182.	9.746	2023.	5.175
183.	9.785	2024.	5.138
184.	9.783	2025.	5.132
185.	9.814	2026.	5.134
186.	9.851	2027.	5.109
187.	9.926	2028.	5.097
188.	9.863	2029.	5.089
189.	9.883	2030.	5.091
190.	9.963	2031.	5.09
191.	10.	2032.	5.068
192.	10.06	2033.	5.104
193.	10.1	2034.	5.077
194.	10.1	2035.	5.034
195.	10.11	2036.	5.016
196.	10.18	2037.	5.006
197.	10.1	2038.	5.025
198.	10.14	2039.	5.001
199.	10.21	2040.	5.063
200.	10.27	2041.	5.013
201.	10.2	2042.	5.01
202.	10.22	2043.	4.987
203.	10.32	2044.	5.003
204.	10.36	2045.	4.959
205.	10.33	2046.	5.013
206.	10.35	2047.	5.016
207.	10.35	2048.	4.982
208.	10.37	2049.	5.012
209.	10.41	2050.	5.009
210.	10.43	2051.	5.017
211.	10.45	2052.	4.939
212.	10.46	2053.	4.944
213.	10.53	2054.	4.935
214.	10.56	2055.	4.925
215.	10.56	2056.	4.909
216.	10.57	2057.	4.922
217.	10.63	2058.	4.907
218.	10.62	2059.	4.88
219.	10.7	2060.	4.94
220.	10.74	2061.	4.887
221.	10.72	2062.	4.928
222.	10.79	2063.	4.902
223.	10.79	2064.	4.919
224.	10.82	2065.	4.856
225.	10.81	2066.	4.896
226.	10.85	2067.	4.861
227.	10.86	2068.	4.868
228.	10.91	2069.	4.838
229.	10.93	2070.	4.877
230.	10.93	2071.	4.844

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	10.88	2072.	4.844
232.	10.92	2073.	4.839
233.	10.95	2074.	4.871
234.	10.93	2075.	4.847
235.	10.97	2076.	4.844
236.	11.	2077.	4.846
237.	11.05	2078.	4.832
238.	11.08	2079.	4.83
239.	11.12	2080.	4.825
240.	11.15	2081.	4.807
241.	11.15	2082.	4.764
242.	11.21	2083.	4.795
243.	11.17	2084.	4.797
244.	11.15	2085.	4.786
245.	11.21	2086.	4.838
246.	11.22	2087.	4.821
247.	11.27	2088.	4.77
248.	11.3	2089.	4.788
249.	11.31	2090.	4.778
250.	11.34	2091.	4.763
251.	11.34	2092.	4.769
252.	11.36	2093.	4.75
253.	11.41	2094.	4.742
254.	11.36	2095.	4.785
255.	11.43	2096.	4.732
256.	11.47	2097.	4.765
257.	11.44	2098.	4.77
258.	11.48	2099.	4.698
259.	11.54	2100.	4.71
260.	11.5	2101.	4.752
261.	11.52	2102.	4.749
262.	11.48	2103.	4.733
263.	11.54	2104.	4.754
264.	11.56	2105.	4.725
265.	11.59	2106.	4.697
266.	11.6	2107.	4.655
267.	11.66	2108.	4.702
268.	11.64	2109.	4.689
269.	11.66	2110.	4.716
270.	11.67	2111.	4.661
271.	11.69	2112.	4.667
272.	11.7	2113.	4.651
273.	11.78	2114.	4.66
274.	11.75	2115.	4.679
275.	11.8	2116.	4.645
276.	11.77	2117.	4.629
277.	11.83	2118.	4.674
278.	11.81	2119.	4.64
279.	11.87	2120.	4.678
280.	11.86	2121.	4.685
281.	11.92	2122.	4.661
282.	11.89	2123.	4.63
283.	11.89	2124.	4.659
284.	11.96	2125.	4.634
285.	11.98	2126.	4.577
286.	12.	2127.	4.661
287.	12.02	2128.	4.597
288.	12.05	2129.	4.601
289.	11.98	2130.	4.584
290.	12.02	2131.	4.593
291.	12.07	2132.	4.604
292.	12.11	2133.	4.615
293.	12.09	2134.	4.608
294.	12.09	2135.	4.611
295.	12.11	2136.	4.576
296.	12.12	2137.	4.55

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	12.12	2138.	4.579
298.	12.18	2139.	4.559
299.	12.19	2140.	4.553
300.	12.19	2141.	4.52
301.	12.2	2142.	4.524
302.	12.24	2143.	4.553
303.	12.3	2144.	4.53
304.	12.3	2145.	4.546
305.	12.28	2146.	4.527
306.	12.31	2147.	4.519
307.	12.34	2148.	4.499
308.	12.31	2149.	4.527
309.	12.32	2150.	4.51
310.	12.33	2151.	4.506
311.	12.37	2152.	4.527
312.	12.37	2153.	4.552
313.	12.47	2154.	4.508
314.	12.45	2155.	4.491
315.	12.41	2156.	4.472
316.	12.4	2157.	4.469
317.	12.44	2158.	4.453
318.	12.47	2159.	4.462
319.	12.52	2160.	4.474
320.	12.53	2161.	4.451
321.	12.52	2162.	4.429
322.	12.5	2163.	4.437
323.	12.56	2164.	4.456
324.	12.58	2165.	4.45
325.	12.55	2166.	4.433
326.	12.58	2167.	4.45
327.	12.59	2168.	4.424
328.	12.62	2169.	4.459
329.	12.69	2170.	4.42
330.	12.69	2171.	4.42
331.	12.67	2172.	4.413
332.	12.71	2173.	4.42
333.	12.68	2174.	4.405
334.	12.77	2175.	4.405
335.	12.74	2176.	4.403
336.	12.74	2177.	4.382
337.	12.79	2178.	4.376
338.	12.76	2179.	4.42
339.	12.77	2180.	4.437
340.	12.77	2181.	4.4
341.	12.79	2182.	4.428
342.	12.88	2183.	4.377
343.	12.8	2184.	4.387
344.	12.89	2185.	4.37
345.	12.88	2186.	4.368
346.	12.87	2187.	4.374
347.	12.92	2188.	4.384
348.	12.92	2189.	4.368
349.	12.9	2190.	4.361
350.	12.98	2191.	4.358
351.	12.93	2192.	4.394
352.	12.92	2193.	4.335
353.	12.97	2194.	4.36
354.	12.97	2195.	4.393
355.	13.	2196.	4.332
356.	13.02	2197.	4.306
357.	12.99	2198.	4.3
358.	12.99	2199.	4.343
359.	12.98	2200.	4.345
360.	13.04	2201.	4.347
361.	13.02	2202.	4.32
362.	12.99	2203.	4.338

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	12.98	2204.	4.374
364.	13.	2205.	4.291
365.	13.06	2206.	4.289
366.	12.99	2207.	4.339
367.	12.94	2208.	4.345
368.	13.	2209.	4.294
369.	13.04	2210.	4.301
370.	13.05	2211.	4.266
371.	13.07	2212.	4.281
372.	13.05	2213.	4.245
373.	12.99	2214.	4.249
374.	12.99	2215.	4.267
375.	12.98	2216.	4.246
376.	13.	2217.	4.246
377.	13.03	2218.	4.278
378.	12.98	2219.	4.266
379.	13.01	2220.	4.202
380.	13.04	2221.	4.243
381.	13.06	2222.	4.273
382.	13.07	2223.	4.266
383.	13.08	2224.	4.216
384.	13.08	2225.	4.277
385.	13.08	2226.	4.242
386.	13.07	2227.	4.217
387.	13.09	2228.	4.22
388.	13.09	2229.	4.232
389.	13.12	2230.	4.206
390.	13.08	2231.	4.182
391.	13.12	2232.	4.182
392.	13.15	2233.	4.198
393.	13.17	2234.	4.218
394.	13.19	2235.	4.238
395.	13.15	2236.	4.186
396.	13.16	2237.	4.198
397.	13.22	2238.	4.169
398.	13.23	2239.	4.164
399.	13.23	2240.	4.14
400.	13.22	2241.	4.235
401.	13.26	2242.	4.215
402.	13.29	2243.	4.191
403.	13.28	2244.	4.132
404.	13.3	2245.	4.175
405.	13.31	2246.	4.167
406.	13.36	2247.	4.15
407.	13.36	2248.	4.129
408.	13.4	2249.	4.177
409.	13.37	2250.	4.157
410.	13.42	2251.	4.166
411.	13.4	2252.	4.153
412.	13.44	2253.	4.097
413.	13.44	2254.	4.142
414.	13.36	2255.	4.153
415.	13.37	2256.	4.095
416.	13.45	2257.	4.14
417.	13.49	2258.	4.135
418.	13.51	2259.	4.101
419.	13.5	2260.	4.129
420.	13.48	2261.	4.104
421.	13.47	2262.	4.163
422.	13.5	2263.	4.099
423.	13.54	2264.	4.101
424.	13.58	2265.	4.085
425.	13.56	2266.	4.106
426.	13.61	2267.	4.12
427.	13.58	2268.	4.076
428.	13.55	2269.	4.088

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	13.61	2270.	4.052
430.	13.63	2271.	4.057
431.	13.62	2272.	4.12
432.	13.64	2273.	4.025
433.	13.64	2274.	4.075
434.	13.76	2275.	4.041
435.	13.66	2276.	4.083
436.	13.69	2277.	4.089
437.	13.71	2278.	4.102
438.	13.71	2279.	4.034
439.	13.77	2280.	4.074
440.	13.7	2281.	4.065
441.	13.8	2282.	4.062
442.	13.85	2283.	4.027
443.	13.78	2284.	4.024
444.	13.78	2285.	4.041
445.	13.81	2286.	4.037
446.	13.84	2287.	4.043
447.	13.88	2288.	3.997
448.	13.89	2289.	4.079
449.	13.85	2290.	4.066
450.	13.9	2291.	4.022
451.	13.93	2292.	3.996
452.	13.9	2293.	3.991
453.	13.94	2294.	4.012
454.	13.9	2295.	4.014
455.	13.95	2296.	4.051
456.	13.91	2297.	4.06
457.	13.97	2298.	4.028
458.	14.04	2299.	3.999
459.	14.01	2300.	4.016
460.	14.03	2301.	3.949
461.	13.97	2302.	3.947
462.	13.98	2303.	4.03
463.	14.02	2304.	3.948
464.	14.07	2305.	3.952
465.	14.09	2306.	3.959
466.	14.09	2307.	3.94
467.	14.09	2308.	3.927
468.	14.02	2309.	3.945
469.	14.06	2310.	3.919
470.	14.12	2311.	3.908
471.	14.15	2312.	3.908
472.	14.12	2313.	3.923
473.	14.17	2314.	3.952
474.	14.15	2315.	3.997
475.	14.16	2316.	3.952
476.	14.16	2317.	3.957
477.	14.15	2318.	3.947
478.	14.16	2319.	3.918
479.	14.13	2320.	3.921
480.	14.21	2321.	3.964
481.	14.17	2322.	3.926
482.	14.27	2323.	3.869
483.	14.25	2324.	3.891
484.	14.25	2325.	3.876
485.	14.24	2326.	3.88
486.	14.2	2327.	3.88
487.	14.31	2328.	3.932
488.	14.26	2329.	3.89
489.	14.32	2330.	3.868
490.	14.32	2331.	3.909
491.	14.34	2332.	3.884
492.	14.29	2333.	3.913
493.	14.3	2334.	3.888
494.	14.39	2335.	3.881

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	14.36	2336.	3.913
496.	14.37	2337.	3.939
497.	14.36	2338.	3.878
498.	14.4	2339.	3.873
499.	14.42	2340.	3.88
500.	14.41	2341.	3.84
501.	14.42	2342.	3.826
502.	14.45	2343.	3.841
503.	14.41	2344.	3.856
504.	14.39	2345.	3.818
505.	14.43	2346.	3.851
506.	14.48	2347.	3.908
507.	14.43	2348.	3.867
508.	14.43	2349.	3.834
509.	14.52	2350.	3.86
510.	14.54	2351.	3.864
511.	14.45	2352.	3.804
512.	14.54	2353.	3.822
513.	14.57	2354.	3.829
514.	14.58	2355.	3.865
515.	14.55	2356.	3.804
516.	14.52	2357.	3.802
517.	14.52	2358.	3.779
518.	14.52	2359.	3.804
519.	14.59	2360.	3.785
520.	14.61	2361.	3.826
521.	14.6	2362.	3.857
522.	14.6	2363.	3.797
523.	14.58	2364.	3.836
524.	14.64	2365.	3.839
525.	14.63	2366.	3.783
526.	14.66	2367.	3.825
527.	14.62	2368.	3.761
528.	14.68	2369.	3.792
529.	14.67	2370.	3.815
530.	14.7	2371.	3.809
531.	14.72	2372.	3.774
532.	14.68	2373.	3.826
533.	14.65	2374.	3.754
534.	14.68	2375.	3.778
535.	14.73	2376.	3.732
536.	14.69	2377.	3.754
537.	14.72	2378.	3.778
538.	14.76	2379.	3.759
539.	14.74	2380.	3.77
540.	14.83	2381.	3.747
541.	14.75	2382.	3.728
542.	14.73	2383.	3.762
543.	14.76	2384.	3.76
544.	14.83	2385.	3.754
545.	14.78	2386.	3.669
546.	14.81	2387.	3.723
547.	14.78	2388.	3.768
548.	14.87	2389.	3.721
549.	14.85	2390.	3.752
550.	14.83	2391.	3.741
551.	14.85	2392.	3.778
552.	14.89	2393.	3.745
553.	14.89	2394.	3.688
554.	14.85	2395.	3.734
555.	14.87	2396.	3.705
556.	14.86	2397.	3.754
557.	14.92	2398.	3.684
558.	14.9	2399.	3.722
559.	14.89	2400.	3.751
560.	14.95	2401.	3.719

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	14.92	2402.	3.698
562.	14.97	2403.	3.688
563.	14.97	2404.	3.681
564.	15.03	2405.	3.705
565.	14.92	2406.	3.712
566.	14.93	2407.	3.723
567.	15.02	2408.	3.677
568.	15.01	2409.	3.684
569.	15.03	2410.	3.622
570.	15.04	2411.	3.646
571.	14.97	2412.	3.636
572.	15.03	2413.	3.645
573.	15.06	2414.	3.689
574.	15.07	2415.	3.633
575.	15.06	2416.	3.65
576.	15.11	2417.	3.677
577.	15.04	2418.	3.641
578.	15.07	2419.	3.638
579.	15.15	2420.	3.674
580.	15.04	2421.	3.667
581.	15.07	2422.	3.632
582.	15.1	2423.	3.606
583.	15.06	2424.	3.634
584.	15.13	2425.	3.621
585.	15.15	2426.	3.628
586.	15.09	2427.	3.654
587.	15.14	2428.	3.672
588.	15.2	2429.	3.585
589.	15.12	2430.	3.637
590.	15.16	2431.	3.641
591.	15.21	2432.	3.594
592.	15.2	2433.	3.606
593.	15.16	2434.	3.609
594.	15.23	2435.	3.615
595.	15.22	2436.	3.597
596.	15.27	2437.	3.596
597.	15.26	2438.	3.606
598.	15.26	2439.	3.635
599.	15.23	2440.	3.608
600.	15.22	2441.	3.599
601.	15.2	2442.	3.592
602.	15.24	2443.	3.556
603.	15.25	2444.	3.563
604.	15.28	2445.	3.565
605.	15.33	2446.	3.59
606.	15.3	2447.	3.586
607.	15.25	2448.	3.582
608.	15.27	2449.	3.6
609.	15.35	2450.	3.587
610.	15.31	2451.	3.58
611.	15.32	2452.	3.543
612.	15.31	2453.	3.533
613.	15.34	2454.	3.54
614.	15.4	2455.	3.551
615.	15.36	2456.	3.537
616.	15.35	2457.	3.5
617.	15.35	2458.	3.55
618.	15.4	2459.	3.537
619.	15.37	2460.	3.514
620.	15.37	2461.	3.549
621.	15.4	2462.	3.575
622.	15.41	2463.	3.536
623.	15.42	2464.	3.579
624.	15.44	2465.	3.51
625.	15.46	2466.	3.522
626.	15.4	2467.	3.506

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	15.44	2468.	3.539
628.	15.46	2469.	3.528
629.	15.48	2470.	3.519
630.	15.45	2471.	3.524
631.	15.46	2472.	3.53
632.	15.45	2473.	3.516
633.	15.53	2474.	3.498
634.	15.51	2475.	3.49
635.	15.5	2476.	3.46
636.	15.52	2477.	3.492
637.	15.52	2478.	3.46
638.	15.5	2479.	3.49
639.	15.58	2480.	3.551
640.	15.5	2481.	3.472
641.	15.52	2482.	3.464
642.	15.56	2483.	3.517
643.	15.52	2484.	3.49
644.	15.63	2485.	3.506
645.	15.57	2486.	3.498
646.	15.55	2487.	3.463
647.	15.6	2488.	3.526
648.	15.58	2489.	3.464
649.	15.58	2490.	3.504
650.	15.61	2491.	3.46
651.	15.61	2492.	3.487
652.	15.61	2493.	3.457
653.	15.64	2494.	3.476
654.	15.61	2495.	3.489
655.	15.65	2496.	3.471
656.	15.7	2497.	3.445
657.	15.65	2498.	3.451
658.	15.69	2499.	3.454
659.	15.67	2500.	3.409
660.	15.66	2501.	3.438
661.	15.71	2502.	3.44
662.	15.66	2503.	3.485
663.	15.73	2504.	3.423
664.	15.71	2505.	3.444
665.	15.72	2506.	3.419
666.	15.74	2507.	3.447
667.	15.67	2508.	3.448
668.	15.78	2509.	3.451
669.	15.7	2510.	3.395
670.	15.77	2511.	3.408
671.	15.73	2512.	3.43
672.	15.75	2513.	3.418
673.	15.78	2514.	3.41
674.	15.77	2515.	3.407
675.	15.79	2516.	3.4
676.	15.75	2517.	3.395
677.	15.81	2518.	3.4
678.	15.78	2519.	3.4
679.	15.85	2520.	3.4
680.	15.85	2521.	3.38
681.	15.82	2522.	3.371
682.	15.82	2523.	3.394
683.	15.82	2524.	3.385
684.	15.87	2525.	3.42
685.	15.83	2526.	3.35
686.	15.9	2527.	3.386
687.	15.84	2528.	3.398
688.	15.9	2529.	3.379
689.	15.84	2530.	3.394
690.	15.93	2531.	3.385
691.	15.85	2532.	3.375
692.	15.97	2533.	3.353

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	15.89	2534.	3.34
694.	15.91	2535.	3.378
695.	15.95	2536.	3.409
696.	15.88	2537.	3.352
697.	15.97	2538.	3.356
698.	15.91	2539.	3.311
699.	15.96	2540.	3.331
700.	15.91	2541.	3.359
701.	16.01	2542.	3.332
702.	15.93	2543.	3.357
703.	15.99	2544.	3.332
704.	15.96	2545.	3.355
705.	16.	2546.	3.314
706.	15.96	2547.	3.336
707.	16.04	2548.	3.317
708.	16.02	2549.	3.307
709.	16.01	2550.	3.32
710.	15.98	2551.	3.329
711.	16.05	2552.	3.326
712.	16.02	2553.	3.295
713.	15.99	2554.	3.329
714.	16.05	2555.	3.292
715.	16.01	2556.	3.331
716.	16.09	2557.	3.26
717.	16.06	2558.	3.299
718.	16.02	2559.	3.284
719.	16.15	2560.	3.301
720.	16.05	2561.	3.323
721.	16.12	2562.	3.307
722.	16.13	2563.	3.259
723.	16.11	2564.	3.294
724.	16.15	2565.	3.252
725.	16.09	2566.	3.279
726.	16.06	2567.	3.291
727.	16.17	2568.	3.291
728.	16.12	2569.	3.308
729.	16.17	2570.	3.255
730.	16.13	2571.	3.275
731.	16.11	2572.	3.267
732.	16.15	2573.	3.292
733.	16.11	2574.	3.25
734.	16.19	2575.	3.292
735.	16.14	2576.	3.246
736.	16.18	2577.	3.249
737.	16.18	2578.	3.279
738.	16.18	2579.	3.235
739.	16.2	2580.	3.306
740.	16.16	2581.	3.264
741.	16.18	2582.	3.271
742.	16.22	2583.	3.292
743.	16.22	2584.	3.243
744.	16.27	2585.	3.255
745.	16.18	2586.	3.219
746.	16.25	2587.	3.211
747.	16.2	2588.	3.214
748.	16.28	2589.	3.263
749.	16.21	2590.	3.218
750.	16.31	2591.	3.23
751.	16.26	2592.	3.224
752.	16.27	2593.	3.207
753.	16.27	2594.	3.2
754.	16.24	2595.	3.211
755.	16.29	2596.	3.208
756.	16.23	2597.	3.202
757.	16.32	2598.	3.183
758.	16.31	2599.	3.217

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	16.35	2600.	3.191
760.	16.33	2601.	3.177
761.	16.38	2602.	3.174
762.	16.3	2603.	3.193
763.	16.35	2604.	3.182
764.	16.38	2605.	3.175
765.	16.35	2606.	3.21
766.	16.36	2607.	3.16
767.	16.35	2608.	3.188
768.	16.41	2609.	3.183
769.	16.35	2610.	3.185
770.	16.38	2611.	3.161
771.	16.37	2612.	3.172
772.	16.44	2613.	3.174
773.	16.43	2614.	3.181
774.	16.43	2615.	3.212
775.	16.41	2616.	3.202
776.	16.38	2617.	3.164
777.	16.38	2618.	3.184
778.	16.45	2619.	3.142
779.	16.41	2620.	3.185
780.	16.47	2621.	3.167
781.	16.44	2622.	3.133
782.	16.47	2623.	3.164
783.	16.46	2624.	3.179
784.	16.44	2625.	3.163
785.	16.45	2626.	3.156
786.	16.53	2627.	3.16
787.	16.43	2628.	3.119
788.	16.53	2629.	3.174
789.	16.47	2630.	3.154
790.	16.46	2631.	3.118
791.	16.55	2632.	3.165
792.	16.47	2633.	3.131
793.	16.56	2634.	3.126
794.	16.47	2635.	3.171
795.	16.5	2636.	3.135
796.	16.54	2637.	3.127
797.	16.57	2638.	3.151
798.	16.53	2639.	3.108
799.	16.57	2640.	3.118
800.	16.58	2641.	3.138
801.	16.6	2642.	3.085
802.	16.58	2643.	3.093
803.	16.55	2644.	3.13
804.	16.61	2645.	3.115
805.	16.57	2646.	3.113
806.	16.58	2647.	3.132
807.	16.61	2648.	3.073
808.	16.58	2649.	3.102
809.	16.63	2650.	3.079
810.	16.55	2651.	3.079
811.	16.68	2652.	3.105
812.	16.58	2653.	3.102
813.	16.64	2654.	3.08
814.	16.61	2655.	3.084
815.	16.6	2656.	3.09
816.	16.64	2657.	3.061
817.	16.6	2658.	3.073
818.	16.66	2659.	3.095
819.	16.69	2660.	3.059
820.	16.62	2661.	3.075
821.	16.7	2662.	3.095
822.	16.63	2663.	3.071
823.	16.69	2664.	3.041
824.	16.65	2665.	3.043

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	16.67	2666.	3.078
826.	16.7	2667.	3.053
827.	16.69	2668.	3.048
828.	16.7	2669.	3.042
829.	16.71	2670.	3.054
830.	16.71	2671.	3.066
831.	16.68	2672.	3.029
832.	16.71	2673.	3.039
833.	16.69	2674.	3.062
834.	16.64	2675.	3.056
1456.	16.62	2676.	3.047
1457.	16.49	2677.	3.06
1458.	16.44	2678.	2.989
1459.	16.33	2679.	3.014
1460.	16.19	2680.	3.011
1461.	16.16	2681.	3.055
1462.	16.02	2682.	3.051
1463.	15.98	2683.	3.031
1464.	15.87	2684.	3.02
1465.	15.81	2685.	3.022
1466.	15.72	2686.	3.018
1467.	15.7	2687.	3.013
1468.	15.6	2688.	3.034
1469.	15.54	2689.	2.998
1470.	15.42	2690.	2.973
1471.	15.41	2691.	2.988
1472.	15.3	2692.	3.038
1473.	15.19	2693.	3.044
1474.	15.12	2694.	2.978
1475.	15.09	2695.	2.989
1476.	14.98	2696.	3.006
1477.	14.88	2697.	3.011
1478.	14.76	2698.	3.006
1479.	14.75	2699.	3.018
1480.	14.72	2700.	3.014
1481.	14.63	2701.	2.965
1482.	14.54	2702.	3.031
1483.	14.5	2703.	2.987
1484.	14.44	2704.	2.993
1485.	14.35	2705.	2.944
1486.	14.26	2706.	3.01
1487.	14.28	2707.	2.917
1488.	14.14	2708.	3.016
1489.	14.13	2709.	2.956
1490.	14.05	2710.	2.957
1491.	13.95	2711.	2.97
1492.	13.95	2712.	2.995
1493.	13.88	2713.	2.961
1494.	13.78	2714.	2.998
1495.	13.74	2715.	2.957
1496.	13.69	2716.	2.947
1497.	13.68	2717.	2.897
1498.	13.58	2718.	2.963
1499.	13.56	2719.	2.931
1500.	13.48	2720.	2.981
1501.	13.48	2721.	2.968
1502.	13.42	2722.	2.93
1503.	13.32	2723.	2.915
1504.	13.24	2724.	2.919
1505.	13.25	2725.	2.969
1506.	13.17	2726.	2.953
1507.	13.1	2727.	2.954
1508.	13.1	2728.	2.94
1509.	13.01	2729.	2.909
1510.	12.95	2730.	2.924
1511.	12.87	2731.	2.917

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1512.	12.86	2732.	2.885
1513.	12.8	2733.	2.897
1514.	12.78	2734.	2.962
1515.	12.73	2735.	2.922
1516.	12.72	2736.	2.921
1517.	12.69	2737.	2.921
1518.	12.61	2738.	2.958
1519.	12.53	2739.	2.895
1520.	12.55	2740.	2.924
1521.	12.43	2741.	2.912
1522.	12.41	2742.	2.899
1523.	12.39	2743.	2.92
1524.	12.34	2744.	2.929
1525.	12.33	2745.	2.867
1526.	12.23	2746.	2.909
1527.	12.17	2747.	2.91
1528.	12.23	2748.	2.896
1529.	12.13	2749.	2.885
1530.	12.1	2750.	2.897
1531.	12.03	2751.	2.892
1532.	12.05	2752.	2.846
1533.	11.95	2753.	2.935
1534.	12.	2754.	2.892
1535.	11.93	2755.	2.834
1536.	11.87	2756.	2.907
1537.	11.82	2757.	2.856
1538.	11.79	2758.	2.862
1539.	11.74	2759.	2.856
1540.	11.7	2760.	2.834
1541.	11.63	2761.	2.882
1542.	11.66	2762.	2.844
1543.	11.57	2763.	2.868
1544.	11.55	2764.	2.838
1545.	11.49	2765.	2.841
1546.	11.45	2766.	2.823
1547.	11.43	2767.	2.85
1548.	11.44	2768.	2.883
1549.	11.34	2769.	2.861
1550.	11.36	2770.	2.828
1551.	11.32	2771.	2.829
1552.	11.29	2772.	2.849
1553.	11.27	2773.	2.855
1554.	11.23	2774.	2.812
1555.	11.21	2775.	2.845
1556.	11.16	2776.	2.832
1557.	11.07	2777.	2.863
1558.	11.1	2778.	2.839
1559.	11.01	2779.	2.792
1560.	11.01	2780.	2.849
1561.	10.94	2781.	2.814
1562.	10.96	2782.	2.855
1563.	10.88	2783.	2.834
1564.	10.93	2784.	2.817
1565.	10.8	2785.	2.84
1566.	10.82	2786.	2.807
1567.	10.79	2787.	2.839
1568.	10.77	2788.	2.841
1569.	10.82	2789.	2.782
1570.	10.73	2790.	2.819
1571.	10.63	2791.	2.818
1572.	10.68	2792.	2.825
1573.	10.66	2793.	2.784
1574.	10.6	2794.	2.825
1575.	10.56	2795.	2.805
1576.	10.57	2796.	2.814
1577.	10.49	2797.	2.78

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1578.	10.46	2798.	2.841
1579.	10.49	2799.	2.832
1580.	10.36	2800.	2.825
1581.	10.43	2801.	2.757
1582.	10.38	2802.	2.829
1583.	10.31	2803.	2.825
1584.	10.29	2804.	2.795
1585.	10.34	2805.	2.784
1586.	10.23	2806.	2.788
1587.	10.25	2807.	2.807
1588.	10.19	2808.	2.789
1589.	10.22	2809.	2.791
1590.	10.12	2810.	2.778
1591.	10.11	2811.	2.776
1592.	10.11	2812.	2.793
1593.	10.06	2813.	2.788
1594.	10.04	2814.	2.756
1595.	10.	2815.	2.753
1596.	10.03	2816.	2.748
1597.	9.922	2817.	2.804
1598.	9.997	2818.	2.779
1599.	9.923	2819.	2.775
1600.	9.944	2820.	2.737
1601.	9.883	2821.	2.726
1602.	9.864	2822.	2.724
1603.	9.826	2823.	2.768
1604.	9.84	2824.	2.735
1605.	9.797	2825.	2.752
1606.	9.747	2826.	2.784
1607.	9.762	2827.	2.757
1608.	9.727	2828.	2.737
1609.	9.693	2829.	2.804
1610.	9.708	2830.	2.747
1611.	9.704	2831.	2.747
1612.	9.64	2832.	2.758
1613.	9.595	2833.	2.765
1614.	9.55	2834.	2.755
1615.	9.567	2835.	2.753
1616.	9.555	2836.	2.769
1617.	9.485	2837.	2.717
1618.	9.52	2838.	2.735
1619.	9.439	2839.	2.754
1620.	9.428	2840.	2.794
1621.	9.419	2841.	2.749
1622.	9.4	2842.	2.756
1623.	9.407	2843.	2.727
1624.	9.356	2844.	2.708
1625.	9.285	2845.	2.738
1626.	9.346	2846.	2.741
1627.	9.277	2847.	2.765
1628.	9.31	2848.	2.726
1629.	9.237	2849.	2.705
1630.	9.275	2850.	2.698
1631.	9.182	2851.	2.741
1632.	9.221	2852.	2.75
1633.	9.152	2853.	2.713
1634.	9.138	2854.	2.737
1635.	9.124	2855.	2.695
1636.	9.12	2856.	2.707
1637.	9.1	2857.	2.728
1638.	9.082	2858.	2.713
1639.	9.062	2859.	2.723
1640.	9.026	2860.	2.736
1641.	9.087	2861.	2.699
1642.	9.02	2862.	2.679
1643.	8.959	2863.	2.742

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1644.	8.989	2864.	2.726
1645.	8.932	2865.	2.713
1646.	8.88	2866.	2.688
1647.	8.934	2867.	2.671
1648.	8.914	2868.	2.697
1649.	8.82	2869.	2.695
1650.	8.866	2870.	2.675
1651.	8.855	2871.	2.697
1652.	8.807	2872.	2.706
1653.	8.809	2873.	2.647
1654.	8.767	2874.	2.68
1655.	8.719	2875.	2.707
1656.	8.753	2876.	2.663
1657.	8.76	2877.	2.691
1658.	8.741	2878.	2.62
1659.	8.685	2879.	2.653
1660.	8.624	2880.	2.665
1661.	8.626	2881.	2.685
1662.	8.655	2882.	2.64
1663.	8.589	2883.	2.668
1664.	8.577	2884.	2.631
1665.	8.572	2885.	2.713
1666.	8.531	2886.	2.662
1667.	8.527	2887.	2.645
1668.	8.533	2888.	2.633
1669.	8.52	2889.	2.694
1670.	8.498	2890.	2.657
1671.	8.482	2891.	2.675
1672.	8.479	2892.	2.676
1673.	8.438	2893.	2.629
1674.	8.454	2894.	2.669
1675.	8.407	2895.	2.583
1676.	8.363	2896.	2.656
1677.	8.381	2897.	2.676
1678.	8.384	2898.	2.681
1679.	8.351	2899.	2.661
1680.	8.324	2900.	2.665
1681.	8.3	2901.	2.65
1682.	8.339	2902.	2.694
1683.	8.28	2903.	2.633
1684.	8.276	2904.	2.61
1685.	8.22	2905.	2.644
1686.	8.231	2906.	2.675
1687.	8.267	2907.	2.604
1688.	8.269	2908.	2.616
1689.	8.197	2909.	2.597
1690.	8.165	2910.	2.649
1691.	8.203	2911.	2.616
1692.	8.158	2912.	2.625
1693.	8.176	2913.	2.611
1694.	8.135	2914.	2.592
1695.	8.123	2915.	2.623
1696.	8.117	2916.	2.62
1697.	8.068	2917.	2.636
1698.	8.078	2918.	2.652
1699.	8.045	2919.	2.594
1700.	8.012	2920.	2.583
1701.	7.968	2921.	2.593
1702.	8.019	2922.	2.621
1703.	7.981	2923.	2.595
1704.	7.965	2924.	2.633
1705.	8.013	2925.	2.611
1706.	7.975	2926.	2.582
1707.	7.974	2927.	2.62
1708.	7.888	2928.	2.586
1709.	7.929	2929.	2.648

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1710.	7.863	2930.	2.643
1711.	7.914	2931.	2.581
1712.	7.85	2932.	2.552
1713.	7.841	2933.	2.596
1714.	7.831	2934.	2.629
1715.	7.803	2935.	2.597
1716.	7.738	2936.	2.642
1717.	7.803	2937.	2.597
1718.	7.743	2938.	2.616
1719.	7.76	2939.	2.608
1720.	7.731	2940.	2.555
1721.	7.688	2941.	2.558
1722.	7.731	2942.	2.591
1723.	7.71	2943.	2.593
1724.	7.708	2944.	2.592
1725.	7.682	2945.	2.581
1726.	7.673	2946.	2.56
1727.	7.636	2947.	2.556
1728.	7.593	2948.	2.593
1729.	7.626	2949.	2.614
1730.	7.598	2950.	2.618
1731.	7.589	2951.	2.611
1732.	7.601	2952.	2.552
1733.	7.601	2953.	2.541
1734.	7.513	2954.	2.545
1735.	7.552	2955.	2.598
1736.	7.59	2956.	2.592
1737.	7.517	2957.	2.538
1738.	7.527	2958.	2.552
1739.	7.507	2959.	2.533
1740.	7.468	2960.	2.588
1741.	7.456	2961.	2.557
1742.	7.439	2962.	2.55
1743.	7.443	2963.	2.555
1744.	7.41	2964.	2.569
1745.	7.449	2965.	2.573
1746.	7.383	2966.	2.596
1747.	7.431	2967.	2.545
1748.	7.405	2968.	2.582
1749.	7.365	2969.	2.569
1750.	7.322	2970.	2.559
1751.	7.339	2971.	2.522
1752.	7.328	2972.	2.564
1753.	7.325	2973.	2.572
1754.	7.303	2974.	2.528
1755.	7.312	2975.	2.574
1756.	7.313	2976.	2.567
1757.	7.315	2977.	2.546
1758.	7.269	2978.	2.54
1759.	7.223	2979.	2.568
1760.	7.227	2980.	2.568
1761.	7.211	2981.	2.525
1762.	7.191	2982.	2.566
1763.	7.235	2983.	2.549
1764.	7.149	2984.	2.512
1765.	7.22	2985.	2.54
1766.	7.17	2986.	2.475
1767.	7.197	2987.	2.552
1768.	7.133	2988.	2.541
1769.	7.199	2989.	2.518
1770.	7.111	2990.	2.535
1771.	7.137	2991.	2.49
1772.	7.11	2992.	2.484
1773.	7.092	2993.	2.537
1774.	7.067	2994.	2.528
1775.	7.054	2995.	2.563

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1776.	7.022	2996.	2.505
1777.	7.112	2997.	2.537
1778.	7.025	2998.	2.475
1779.	7.043	2999.	2.541
1780.	7.025	3000.	2.535
1781.	7.046	3001.	2.524
1782.	7.002	3002.	2.529
1783.	6.957	3003.	2.505
1784.	6.994	3004.	2.512
1785.	6.953	3005.	2.5
1786.	6.961	3006.	2.535
1787.	6.938	3007.	2.541
1788.	6.927	3008.	2.522
1789.	6.951	3009.	2.518
1790.	6.883	3010.	2.512
1791.	6.923	3011.	2.509
1792.	6.939	3012.	2.524
1793.	6.868	3013.	2.512
1794.	6.894	3014.	2.515
1795.	6.829	3015.	2.53
1796.	6.83	3016.	2.525
1797.	6.832	3017.	2.498
1798.	6.807	3018.	2.49
1799.	6.824	3019.	2.462
1800.	6.797	3020.	2.467
1801.	6.807	3021.	2.487
1802.	6.826	3022.	2.538
1803.	6.778	3023.	2.493
1804.	6.743	3024.	2.481
1805.	6.76	3025.	2.5
1806.	6.767	3026.	2.515
1807.	6.731	3027.	2.514
1808.	6.763	3028.	2.495
1809.	6.669	3029.	2.502
1810.	6.726	3030.	2.456
1811.	6.723	3031.	2.462
1812.	6.71	3032.	2.501
1813.	6.694	3033.	2.505
1814.	6.64	3034.	2.479
1815.	6.637	3035.	2.452
1816.	6.65	3036.	2.47
1817.	6.666	3037.	2.487
1818.	6.611	3038.	2.418
1819.	6.627	3039.	2.428
1820.	6.575	3040.	2.486
1821.	6.572	3041.	2.498
1822.	6.527	3042.	2.494
1823.	6.533	3043.	2.501
1824.	6.562	3044.	2.471
1825.	6.52	3045.	2.479
1826.	6.576	3046.	2.461
1827.	6.537	3047.	2.446
1828.	6.536	3048.	2.448
1829.	6.505	3049.	2.417
1830.	6.539	3050.	2.481
1831.	6.526	3051.	2.453
1832.	6.514	3052.	2.434
1833.	6.505	3053.	2.482
1834.	6.477	3054.	2.462
1835.	6.495	3055.	2.451
1836.	6.467	3056.	2.424
1837.	6.466	3057.	2.407
1838.	6.4	3058.	2.455
1839.	6.445	3059.	2.435
1840.	6.414	3060.	2.455
1841.	6.382	3061.	2.459

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1321.9	ft^2/day
S	9.788E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.52 ft/day (0.005829 cm/sec)
Ss = S/b = 1.224E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1313.7	2.306	+/- 4.523	569.6	ft^2/day
S	0.0001018	5.226E-7	+/- 1.025E-6	194.7	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.42 ft/day (0.005793 cm/sec)
Ss = S/b = 1.272E-6 1/ft

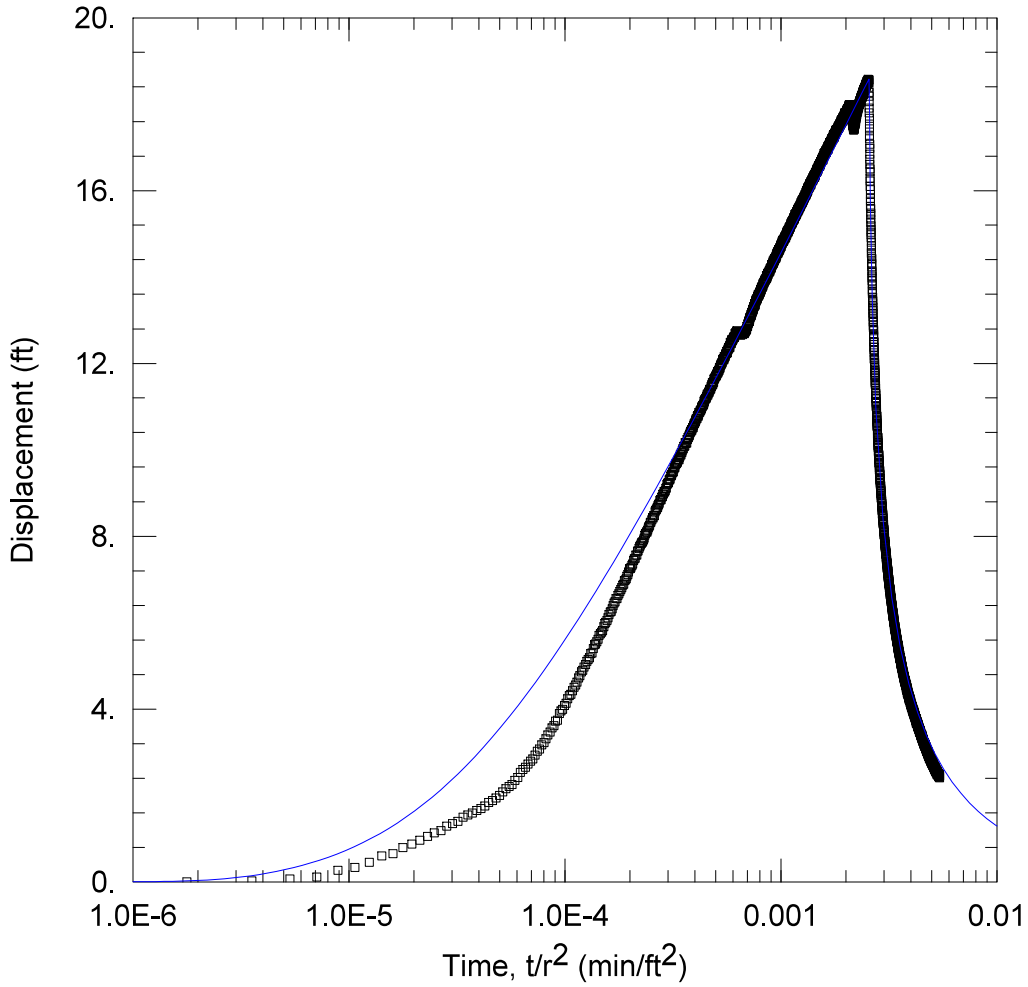
Parameter Correlations

	T	S
T	1.00	-0.77
S	-0.77	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 360.6 ft^2
Variance . . . . . 0.1479 ft^2
Std. Deviation . . . . . 0.3846 ft
Mean . . . . . -0.1482 ft
No. of Residuals 2440
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW25.aqt
Date: 04/11/25 Time: 12:10:15

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW25	722	1382

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1323.7 ft^2/day
S = 0.0001103
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:16:37

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW25

X Location: 722. ft
Y Location: 1382. ft

Radial distance from BM 1B: 749.9466648 ft
Radial distance from BM2A: 928.1519272 ft
Radial distance from BM3: 666.1786547 ft
Radial distance from BM 4 : 566.8474222 ft
Radial distance from BM5: 299.2473893 ft
Radial distance from BM 6: 311.0048231 ft
Radial distance from BM7: 670.7637438 ft
Radial distance from BM9: 1347.077206 ft

Fully Penetrating Well

No. of Observations: 3053

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.000747	1528.	12.
2.	0.02267	1529.	11.96
3.	0.06566	1530.	11.91
4.	0.1085	1531.	11.87
5.	0.2693	1532.	11.83
6.	0.332	1533.	11.79
7.	0.4498	1534.	11.78
8.	0.5976	1535.	11.73
9.	0.6513	1536.	11.71
10.	0.7891	1537.	11.66
11.	0.8768	1538.	11.6
12.	0.9637	1539.	11.57
13.	1.049	1540.	11.54
14.	1.131	1541.	11.51
15.	1.186	1542.	11.49
16.	1.292	1543.	11.43
17.	1.351	1544.	11.43
18.	1.402	1545.	11.37
19.	1.497	1546.	11.31
20.	1.551	1547.	11.3
21.	1.589	1548.	11.27
22.	1.652	1549.	11.2
23.	1.7	1550.	11.2
24.	1.756	1551.	11.18
25.	1.835	1552.	11.12
26.	1.881	1553.	11.09
27.	1.939	1554.	11.07
28.	2.003	1555.	11.03
29.	2.08	1556.	10.99
30.	2.152	1557.	10.96
31.	2.209	1558.	10.93
32.	2.251	1559.	10.87

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	2.346	1560.	10.88
34.	2.414	1561.	10.83
35.	2.531	1562.	10.79
36.	2.602	1563.	10.78
37.	2.65	1564.	10.78
38.	2.722	1565.	10.72
39.	2.794	1566.	10.69
40.	2.847	1567.	10.65
41.	2.93	1568.	10.62
42.	3.022	1569.	10.6
43.	3.072	1570.	10.56
44.	3.167	1571.	10.53
45.	3.219	1572.	10.54
46.	3.312	1573.	10.5
47.	3.403	1574.	10.44
48.	3.466	1575.	10.43
49.	3.564	1576.	10.37
50.	3.611	1577.	10.36
51.	3.721	1578.	10.33
52.	3.738	1579.	10.3
53.	3.899	1580.	10.29
54.	3.959	1581.	10.28
55.	3.994	1582.	10.22
56.	4.082	1583.	10.21
57.	4.135	1584.	10.17
58.	4.239	1585.	10.16
59.	4.314	1586.	10.13
60.	4.342	1587.	10.1
61.	4.425	1588.	10.09
62.	4.501	1589.	10.05
63.	4.555	1590.	10.06
64.	4.624	1591.	9.975
65.	4.717	1592.	9.966
66.	4.773	1593.	9.943
67.	4.856	1594.	9.952
68.	4.895	1595.	9.882
69.	4.97	1596.	9.875
70.	5.027	1597.	9.895
71.	5.102	1598.	9.842
72.	5.148	1599.	9.81
73.	5.189	1600.	9.775
74.	5.281	1601.	9.763
75.	5.297	1602.	9.739
76.	5.402	1603.	9.707
77.	5.491	1604.	9.694
78.	5.504	1605.	9.689
79.	5.552	1606.	9.654
80.	5.612	1607.	9.631
81.	5.7	1608.	9.586
82.	5.743	1609.	9.587
83.	5.775	1610.	9.539
84.	5.815	1611.	9.526
85.	5.91	1612.	9.53
86.	5.982	1613.	9.509
87.	6.011	1614.	9.467
88.	6.054	1615.	9.433
89.	6.117	1616.	9.433
90.	6.185	1617.	9.424
91.	6.248	1618.	9.342
92.	6.262	1619.	9.344
93.	6.319	1620.	9.311
94.	6.396	1621.	9.291
95.	6.454	1622.	9.301
96.	6.478	1623.	9.244
97.	6.559	1624.	9.242
98.	6.559	1625.	9.223

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	6.626	1626.	9.216
100.	6.665	1627.	9.188
101.	6.716	1628.	9.17
102.	6.762	1629.	9.171
103.	6.81	1630.	9.12
104.	6.865	1631.	9.091
105.	6.886	1632.	9.061
106.	6.969	1633.	9.094
107.	6.988	1634.	9.058
108.	7.017	1635.	9.033
109.	7.073	1636.	8.989
110.	7.112	1637.	8.979
111.	7.168	1638.	9.
112.	7.243	1639.	8.946
113.	7.249	1640.	8.943
114.	7.285	1641.	8.932
115.	7.323	1642.	8.883
116.	7.357	1643.	8.887
117.	7.435	1644.	8.877
118.	7.479	1645.	8.855
119.	7.492	1646.	8.822
120.	7.565	1647.	8.818
121.	7.566	1648.	8.78
122.	7.655	1649.	8.765
123.	7.663	1650.	8.756
124.	7.716	1651.	8.721
125.	7.752	1652.	8.695
126.	7.794	1653.	8.686
127.	7.835	1654.	8.694
128.	7.865	1655.	8.654
129.	7.872	1656.	8.665
130.	7.913	1657.	8.602
131.	7.963	1658.	8.599
132.	8.027	1659.	8.596
133.	8.06	1660.	8.586
134.	8.099	1661.	8.509
135.	8.099	1662.	8.525
136.	8.144	1663.	8.548
137.	8.193	1664.	8.506
138.	8.226	1665.	8.477
139.	8.257	1666.	8.449
140.	8.316	1667.	8.495
141.	8.327	1668.	8.444
142.	8.38	1669.	8.41
143.	8.43	1670.	8.407
144.	8.426	1671.	8.364
145.	8.473	1672.	8.368
146.	8.476	1673.	8.332
147.	8.561	1674.	8.326
148.	8.606	1675.	8.297
149.	8.615	1676.	8.298
150.	8.658	1677.	8.306
151.	8.669	1678.	8.275
152.	8.704	1679.	8.28
153.	8.74	1680.	8.272
154.	8.768	1681.	8.225
155.	8.828	1682.	8.204
156.	8.858	1683.	8.191
157.	8.849	1684.	8.201
158.	8.907	1685.	8.153
159.	8.923	1686.	8.142
160.	8.97	1687.	8.163
161.	8.981	1688.	8.103
162.	9.032	1689.	8.109
163.	9.029	1690.	8.083
164.	9.066	1691.	8.093

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	9.11	1692.	8.024
166.	9.124	1693.	8.067
167.	9.196	1694.	8.034
168.	9.219	1695.	8.031
169.	9.241	1696.	7.983
170.	9.239	1697.	7.963
171.	9.302	1698.	7.968
172.	9.304	1699.	7.968
173.	9.335	1700.	7.946
174.	9.396	1701.	7.902
175.	9.398	1702.	7.89
176.	9.428	1703.	7.893
177.	9.468	1704.	7.881
178.	9.49	1705.	7.85
179.	9.489	1706.	7.817
180.	9.559	1707.	7.829
181.	9.583	1708.	7.823
182.	9.6	1709.	7.816
183.	9.649	1710.	7.785
184.	9.673	1711.	7.777
185.	9.68	1712.	7.764
186.	9.705	1713.	7.74
187.	9.72	1714.	7.721
188.	9.765	1715.	7.763
189.	9.789	1716.	7.701
190.	9.777	1717.	7.723
191.	9.829	1718.	7.702
192.	9.856	1719.	7.666
193.	9.9	1720.	7.636
194.	9.883	1721.	7.636
195.	9.934	1722.	7.642
196.	9.947	1723.	7.574
197.	9.988	1724.	7.604
198.	10.02	1725.	7.59
199.	10.03	1726.	7.581
200.	10.08	1727.	7.592
201.	10.08	1728.	7.595
202.	10.09	1729.	7.593
203.	10.17	1730.	7.514
204.	10.15	1731.	7.525
205.	10.17	1732.	7.49
206.	10.16	1733.	7.462
207.	10.24	1734.	7.482
208.	10.24	1735.	7.461
209.	10.28	1736.	7.474
210.	10.28	1737.	7.458
211.	10.32	1738.	7.415
212.	10.34	1739.	7.395
213.	10.36	1740.	7.379
214.	10.4	1741.	7.379
215.	10.43	1742.	7.392
216.	10.43	1743.	7.388
217.	10.47	1744.	7.362
218.	10.46	1745.	7.343
219.	10.51	1746.	7.34
220.	10.52	1747.	7.311
221.	10.51	1748.	7.277
222.	10.56	1749.	7.291
223.	10.6	1750.	7.267
224.	10.61	1751.	7.293
225.	10.63	1752.	7.251
226.	10.66	1753.	7.245
227.	10.68	1754.	7.247
228.	10.72	1755.	7.228
229.	10.72	1756.	7.226
230.	10.73	1757.	7.202

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	10.78	1758.	7.192
232.	10.8	1759.	7.156
233.	10.78	1760.	7.137
234.	10.82	1761.	7.192
235.	10.86	1762.	7.154
236.	10.87	1763.	7.137
237.	10.88	1764.	7.129
238.	10.91	1765.	7.069
239.	10.92	1766.	7.093
240.	10.93	1767.	7.094
241.	10.95	1768.	7.038
242.	10.99	1769.	7.069
243.	11.	1770.	7.084
244.	11.02	1771.	7.039
245.	11.04	1772.	7.02
246.	11.04	1773.	7.012
247.	11.06	1774.	7.007
248.	11.13	1775.	7.004
249.	11.11	1776.	6.974
250.	11.15	1777.	6.989
251.	11.17	1778.	6.978
252.	11.19	1779.	6.956
253.	11.2	1780.	6.952
254.	11.21	1781.	6.9
255.	11.24	1782.	6.897
256.	11.25	1783.	6.918
257.	11.29	1784.	6.9
258.	11.27	1785.	6.909
259.	11.31	1786.	6.877
260.	11.34	1787.	6.856
261.	11.34	1788.	6.849
262.	11.34	1789.	6.887
263.	11.4	1790.	6.809
264.	11.38	1791.	6.802
265.	11.41	1792.	6.803
266.	11.41	1793.	6.781
267.	11.46	1794.	6.808
268.	11.46	1795.	6.752
269.	11.5	1796.	6.793
270.	11.51	1797.	6.765
271.	11.56	1798.	6.774
272.	11.51	1799.	6.762
273.	11.55	1800.	6.732
274.	11.58	1801.	6.763
275.	11.56	1802.	6.728
276.	11.64	1803.	6.705
277.	11.64	1804.	6.687
278.	11.65	1805.	6.696
279.	11.67	1806.	6.676
280.	11.7	1807.	6.659
281.	11.7	1808.	6.645
282.	11.72	1809.	6.635
283.	11.73	1810.	6.656
284.	11.75	1811.	6.636
285.	11.78	1812.	6.638
286.	11.81	1813.	6.613
287.	11.78	1814.	6.602
288.	11.8	1815.	6.583
289.	11.82	1816.	6.592
290.	11.85	1817.	6.578
291.	11.84	1818.	6.549
292.	11.91	1819.	6.552
293.	11.89	1820.	6.554
294.	11.9	1821.	6.52
295.	11.95	1822.	6.541
296.	11.96	1823.	6.549

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	11.98	1824.	6.523
298.	11.99	1825.	6.478
299.	12.	1826.	6.487
300.	12.02	1827.	6.484
301.	12.03	1828.	6.493
302.	12.09	1829.	6.438
303.	12.09	1830.	6.444
304.	12.1	1831.	6.424
305.	12.11	1832.	6.428
306.	12.09	1833.	6.432
307.	12.16	1834.	6.413
308.	12.13	1835.	6.398
309.	12.16	1836.	6.408
310.	12.15	1837.	6.393
311.	12.17	1838.	6.371
312.	12.2	1839.	6.365
313.	12.22	1840.	6.348
314.	12.24	1841.	6.373
315.	12.23	1842.	6.32
316.	12.28	1843.	6.338
317.	12.28	1844.	6.326
318.	12.25	1845.	6.278
319.	12.3	1846.	6.296
320.	12.32	1847.	6.316
321.	12.36	1848.	6.27
322.	12.36	1849.	6.279
323.	12.34	1850.	6.261
324.	12.36	1851.	6.234
325.	12.39	1852.	6.26
326.	12.41	1853.	6.232
327.	12.38	1854.	6.251
328.	12.49	1855.	6.237
329.	12.45	1856.	6.231
330.	12.47	1857.	6.206
331.	12.47	1858.	6.207
332.	12.5	1859.	6.168
333.	12.54	1860.	6.205
334.	12.55	1861.	6.178
335.	12.52	1862.	6.156
336.	12.54	1863.	6.151
337.	12.55	1864.	6.14
338.	12.57	1865.	6.135
339.	12.6	1866.	6.123
340.	12.6	1867.	6.13
341.	12.61	1868.	6.139
342.	12.62	1869.	6.112
343.	12.6	1870.	6.126
344.	12.63	1871.	6.084
345.	12.7	1872.	6.113
346.	12.68	1873.	6.072
347.	12.69	1874.	6.033
348.	12.7	1875.	6.086
349.	12.71	1876.	6.057
350.	12.7	1877.	6.024
351.	12.74	1878.	6.043
352.	12.72	1879.	6.047
353.	12.76	1880.	6.006
354.	12.75	1881.	6.012
355.	12.7	1882.	5.999
356.	12.72	1883.	6.01
357.	12.7	1884.	5.988
358.	12.74	1885.	5.997
359.	12.71	1886.	5.939
360.	12.68	1887.	5.982
361.	12.71	1888.	5.938
362.	12.72	1889.	5.901

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	12.72	1890.	5.935
364.	12.68	1891.	5.918
365.	12.72	1892.	5.921
366.	12.66	1893.	5.902
367.	12.7	1894.	5.924
368.	12.72	1895.	5.92
369.	12.69	1896.	5.869
370.	12.72	1897.	5.879
371.	12.71	1898.	5.88
372.	12.7	1899.	5.852
373.	12.67	1900.	5.871
374.	12.71	1901.	5.847
375.	12.7	1902.	5.856
376.	12.72	1903.	5.827
377.	12.71	1904.	5.835
378.	12.7	1905.	5.84
379.	12.72	1906.	5.831
380.	12.73	1907.	5.801
381.	12.69	1908.	5.812
382.	12.71	1909.	5.799
383.	12.73	1910.	5.794
384.	12.73	1911.	5.778
385.	12.74	1912.	5.794
386.	12.76	1913.	5.768
387.	12.77	1914.	5.766
388.	12.77	1915.	5.759
389.	12.79	1916.	5.731
390.	12.79	1917.	5.741
391.	12.81	1918.	5.737
392.	12.86	1919.	5.728
393.	12.86	1920.	5.711
394.	12.86	1921.	5.714
395.	12.86	1922.	5.69
396.	12.92	1923.	5.715
397.	12.92	1924.	5.705
398.	12.95	1925.	5.709
399.	12.95	1926.	5.678
400.	12.99	1927.	5.69
401.	13.	1928.	5.669
402.	12.98	1929.	5.665
403.	13.05	1930.	5.661
404.	13.02	1931.	5.639
405.	13.07	1932.	5.655
406.	13.07	1933.	5.619
407.	13.08	1934.	5.617
408.	13.09	1935.	5.621
409.	13.12	1936.	5.586
410.	13.14	1937.	5.595
411.	13.12	1938.	5.613
412.	13.16	1939.	5.601
413.	13.18	1940.	5.568
414.	13.19	1941.	5.566
415.	13.2	1942.	5.564
416.	13.24	1943.	5.592
417.	13.24	1944.	5.54
418.	13.24	1945.	5.571
419.	13.25	1946.	5.536
420.	13.27	1947.	5.551
421.	13.3	1948.	5.548
422.	13.32	1949.	5.529
423.	13.32	1950.	5.547
424.	13.33	1951.	5.52
425.	13.38	1952.	5.477
426.	13.34	1953.	5.465
427.	13.37	1954.	5.482
428.	13.35	1955.	5.468

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	13.42	1956.	5.464
430.	13.44	1957.	5.484
431.	13.44	1958.	5.478
432.	13.44	1959.	5.476
433.	13.47	1960.	5.49
434.	13.48	1961.	5.421
435.	13.48	1962.	5.463
436.	13.5	1963.	5.419
437.	13.5	1964.	5.433
438.	13.52	1965.	5.395
439.	13.55	1966.	5.413
440.	13.55	1967.	5.395
441.	13.56	1968.	5.406
442.	13.59	1969.	5.375
443.	13.58	1970.	5.385
444.	13.57	1971.	5.399
445.	13.6	1972.	5.399
446.	13.61	1973.	5.379
447.	13.61	1974.	5.386
448.	13.62	1975.	5.357
449.	13.65	1976.	5.345
450.	13.64	1977.	5.327
451.	13.67	1978.	5.333
452.	13.65	1979.	5.34
453.	13.68	1980.	5.35
454.	13.71	1981.	5.317
455.	13.7	1982.	5.296
456.	13.72	1983.	5.333
457.	13.75	1984.	5.282
458.	13.76	1985.	5.299
459.	13.76	1986.	5.292
460.	13.77	1987.	5.303
461.	13.78	1988.	5.276
462.	13.77	1989.	5.287
463.	13.79	1990.	5.255
464.	13.79	1991.	5.238
465.	13.83	1992.	5.244
466.	13.84	1993.	5.273
467.	13.85	1994.	5.283
468.	13.85	1995.	5.235
469.	13.88	1996.	5.216
470.	13.86	1997.	5.235
471.	13.88	1998.	5.244
472.	13.9	1999.	5.209
473.	13.9	2000.	5.187
474.	13.91	2001.	5.206
475.	13.91	2002.	5.185
476.	13.94	2003.	5.184
477.	13.94	2004.	5.162
478.	13.94	2005.	5.177
479.	13.96	2006.	5.198
480.	13.96	2007.	5.158
481.	13.97	2008.	5.169
482.	13.98	2009.	5.171
483.	14.03	2010.	5.157
484.	13.98	2011.	5.195
485.	14.	2012.	5.15
486.	14.02	2013.	5.143
487.	14.05	2014.	5.126
488.	14.04	2015.	5.126
489.	14.09	2016.	5.133
490.	14.05	2017.	5.106
491.	14.07	2018.	5.103
492.	14.11	2019.	5.117
493.	14.1	2020.	5.115
494.	14.11	2021.	5.11

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	14.11	2022.	5.085
496.	14.12	2023.	5.102
497.	14.15	2024.	5.122
498.	14.14	2025.	5.055
499.	14.15	2026.	5.028
500.	14.17	2027.	5.039
501.	14.14	2028.	5.029
502.	14.2	2029.	5.045
503.	14.2	2030.	5.059
504.	14.2	2031.	5.05
505.	14.21	2032.	5.034
506.	14.2	2033.	4.989
507.	14.22	2034.	5.022
508.	14.23	2035.	4.981
509.	14.29	2036.	5.007
510.	14.26	2037.	4.994
511.	14.26	2038.	4.993
512.	14.28	2039.	5.011
513.	14.3	2040.	4.998
514.	14.31	2041.	4.999
515.	14.29	2042.	4.99
516.	14.31	2043.	4.971
517.	14.33	2044.	4.978
518.	14.33	2045.	4.979
519.	14.37	2046.	4.952
520.	14.32	2047.	4.952
521.	14.36	2048.	4.953
522.	14.35	2049.	4.931
523.	14.4	2050.	4.933
524.	14.39	2051.	4.969
525.	14.41	2052.	4.926
526.	14.38	2053.	4.927
527.	14.42	2054.	4.936
528.	14.43	2055.	4.936
529.	14.43	2056.	4.899
530.	14.42	2057.	4.888
531.	14.45	2058.	4.863
532.	14.43	2059.	4.897
533.	14.46	2060.	4.888
534.	14.46	2061.	4.896
535.	14.48	2062.	4.859
536.	14.49	2063.	4.855
537.	14.52	2064.	4.838
538.	14.5	2065.	4.882
539.	14.54	2066.	4.846
540.	14.55	2067.	4.84
541.	14.56	2068.	4.841
542.	14.55	2069.	4.826
543.	14.58	2070.	4.836
544.	14.57	2071.	4.822
545.	14.55	2072.	4.869
546.	14.6	2073.	4.845
547.	14.58	2074.	4.812
548.	14.61	2075.	4.809
549.	14.59	2076.	4.808
550.	14.64	2077.	4.79
551.	14.61	2078.	4.803
552.	14.62	2079.	4.794
553.	14.63	2080.	4.808
554.	14.66	2081.	4.776
555.	14.67	2082.	4.781
556.	14.67	2083.	4.758
557.	14.65	2084.	4.798
558.	14.68	2085.	4.75
559.	14.69	2086.	4.737
560.	14.7	2087.	4.735

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	14.7	2088.	4.75
562.	14.72	2089.	4.739
563.	14.75	2090.	4.712
564.	14.7	2091.	4.737
565.	14.74	2092.	4.739
566.	14.76	2093.	4.748
567.	14.75	2094.	4.747
568.	14.78	2095.	4.741
569.	14.79	2096.	4.749
570.	14.81	2097.	4.714
571.	14.77	2098.	4.699
572.	14.81	2099.	4.707
573.	14.81	2100.	4.692
574.	14.82	2101.	4.7
575.	14.85	2102.	4.679
576.	14.83	2103.	4.699
577.	14.82	2104.	4.68
578.	14.83	2105.	4.628
579.	14.85	2106.	4.685
580.	14.86	2107.	4.649
581.	14.85	2108.	4.658
582.	14.88	2109.	4.638
583.	14.89	2110.	4.652
584.	14.89	2111.	4.618
585.	14.91	2112.	4.642
586.	14.92	2113.	4.662
587.	14.94	2114.	4.641
588.	14.91	2115.	4.658
589.	14.91	2116.	4.641
590.	14.94	2117.	4.655
591.	14.91	2118.	4.609
592.	14.95	2119.	4.66
593.	14.96	2120.	4.619
594.	14.95	2121.	4.594
595.	14.99	2122.	4.633
596.	14.98	2123.	4.618
597.	14.98	2124.	4.606
598.	14.97	2125.	4.57
599.	15.01	2126.	4.611
600.	15.	2127.	4.592
601.	15.04	2128.	4.609
602.	15.03	2129.	4.594
603.	15.06	2130.	4.564
604.	15.07	2131.	4.554
605.	15.06	2132.	4.571
606.	15.05	2133.	4.561
607.	15.04	2134.	4.545
608.	15.09	2135.	4.567
609.	15.05	2136.	4.561
610.	15.1	2137.	4.554
611.	15.08	2138.	4.553
612.	15.09	2139.	4.544
613.	15.12	2140.	4.528
614.	15.1	2141.	4.493
615.	15.14	2142.	4.537
616.	15.11	2143.	4.531
617.	15.15	2144.	4.473
618.	15.16	2145.	4.526
619.	15.16	2146.	4.498
620.	15.15	2147.	4.514
621.	15.15	2148.	4.554
622.	15.18	2149.	4.515
623.	15.18	2150.	4.492
624.	15.18	2151.	4.487
625.	15.2	2152.	4.475
626.	15.2	2153.	4.477

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	15.25	2154.	4.472
628.	15.22	2155.	4.456
629.	15.22	2156.	4.476
630.	15.24	2157.	4.449
631.	15.24	2158.	4.473
632.	15.28	2159.	4.428
633.	15.25	2160.	4.43
634.	15.28	2161.	4.45
635.	15.27	2162.	4.415
636.	15.26	2163.	4.496
637.	15.31	2164.	4.444
638.	15.31	2165.	4.442
639.	15.3	2166.	4.441
640.	15.31	2167.	4.372
641.	15.29	2168.	4.436
642.	15.33	2169.	4.415
643.	15.32	2170.	4.431
644.	15.35	2171.	4.429
645.	15.32	2172.	4.407
646.	15.36	2173.	4.375
647.	15.38	2174.	4.401
648.	15.34	2175.	4.412
649.	15.35	2176.	4.398
650.	15.35	2177.	4.368
651.	15.39	2178.	4.385
652.	15.41	2179.	4.351
653.	15.45	2180.	4.375
654.	15.4	2181.	4.375
655.	15.4	2182.	4.337
656.	15.43	2183.	4.368
657.	15.43	2184.	4.343
658.	15.44	2185.	4.356
659.	15.42	2186.	4.355
660.	15.47	2187.	4.377
661.	15.47	2188.	4.333
662.	15.45	2189.	4.325
663.	15.44	2190.	4.331
664.	15.47	2191.	4.32
665.	15.48	2192.	4.349
666.	15.5	2193.	4.318
667.	15.48	2194.	4.304
668.	15.51	2195.	4.33
669.	15.51	2196.	4.289
670.	15.52	2197.	4.323
671.	15.53	2198.	4.297
672.	15.57	2199.	4.323
673.	15.51	2200.	4.301
674.	15.54	2201.	4.297
675.	15.57	2202.	4.255
676.	15.55	2203.	4.285
677.	15.56	2204.	4.31
678.	15.57	2205.	4.256
679.	15.57	2206.	4.259
680.	15.59	2207.	4.278
681.	15.56	2208.	4.273
682.	15.59	2209.	4.279
683.	15.6	2210.	4.216
684.	15.62	2211.	4.242
685.	15.63	2212.	4.249
686.	15.63	2213.	4.27
687.	15.62	2214.	4.248
688.	15.65	2215.	4.246
689.	15.64	2216.	4.246
690.	15.63	2217.	4.202
691.	15.64	2218.	4.254
692.	15.68	2219.	4.255

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	15.66	2220.	4.214
694.	15.69	2221.	4.249
695.	15.66	2222.	4.228
696.	15.68	2223.	4.215
697.	15.72	2224.	4.246
698.	15.68	2225.	4.2
699.	15.71	2226.	4.193
700.	15.71	2227.	4.199
701.	15.73	2228.	4.206
702.	15.71	2229.	4.204
703.	15.72	2230.	4.233
704.	15.74	2231.	4.211
705.	15.76	2232.	4.204
706.	15.72	2233.	4.205
707.	15.78	2234.	4.188
708.	15.77	2235.	4.145
709.	15.75	2236.	4.175
710.	15.79	2237.	4.141
711.	15.78	2238.	4.191
712.	15.77	2239.	4.183
713.	15.8	2240.	4.184
714.	15.78	2241.	4.156
715.	15.81	2242.	4.16
716.	15.8	2243.	4.169
717.	15.81	2244.	4.133
718.	15.83	2245.	4.169
719.	15.81	2246.	4.135
720.	15.83	2247.	4.159
721.	15.84	2248.	4.133
722.	15.86	2249.	4.119
723.	15.86	2250.	4.137
724.	15.84	2251.	4.103
725.	15.86	2252.	4.115
726.	15.86	2253.	4.117
727.	15.87	2254.	4.104
728.	15.89	2255.	4.093
729.	15.9	2256.	4.103
730.	15.92	2257.	4.109
731.	15.89	2258.	4.087
732.	15.92	2259.	4.082
733.	15.9	2260.	4.097
734.	15.91	2261.	4.082
735.	15.9	2262.	4.085
736.	15.96	2263.	4.094
737.	15.95	2264.	4.06
738.	15.97	2265.	4.042
739.	15.95	2266.	4.059
740.	15.92	2267.	4.039
741.	16.	2268.	4.07
742.	15.98	2269.	4.087
743.	16.	2270.	4.07
744.	16.	2271.	4.039
745.	15.99	2272.	4.043
746.	15.97	2273.	4.029
747.	16.03	2274.	4.07
748.	15.99	2275.	4.043
749.	16.	2276.	4.058
750.	16.05	2277.	4.025
751.	16.04	2278.	4.054
752.	16.08	2279.	4.028
753.	16.06	2280.	4.036
754.	16.07	2281.	4.045
755.	16.05	2282.	4.046
756.	16.05	2283.	4.025
757.	16.07	2284.	4.016
758.	16.08	2285.	3.976

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	16.1	2286.	4.033
760.	16.1	2287.	4.043
761.	16.1	2288.	3.985
762.	16.1	2289.	4.013
763.	16.1	2290.	4.01
764.	16.08	2291.	4.002
765.	16.15	2292.	3.971
766.	16.14	2293.	4.003
767.	16.14	2294.	4.02
768.	16.14	2295.	3.987
769.	16.14	2296.	4.007
770.	16.13	2297.	3.966
771.	16.16	2298.	3.975
772.	16.17	2299.	3.957
773.	16.17	2300.	3.971
774.	16.13	2301.	3.969
775.	16.17	2302.	3.994
776.	16.21	2303.	3.94
777.	16.21	2304.	3.98
778.	16.21	2305.	3.954
779.	16.21	2306.	3.963
780.	16.21	2307.	3.929
781.	16.23	2308.	3.936
782.	16.22	2309.	3.965
783.	16.24	2310.	3.929
784.	16.23	2311.	3.932
785.	16.26	2312.	3.933
786.	16.23	2313.	3.912
787.	16.26	2314.	3.922
788.	16.24	2315.	3.912
789.	16.26	2316.	3.936
790.	16.27	2317.	3.934
791.	16.24	2318.	3.918
792.	16.3	2319.	3.913
793.	16.28	2320.	3.97
794.	16.27	2321.	3.93
795.	16.29	2322.	3.908
796.	16.3	2323.	3.92
797.	16.31	2324.	3.935
798.	16.3	2325.	3.911
799.	16.31	2326.	3.864
800.	16.34	2327.	3.882
801.	16.31	2328.	3.887
802.	16.34	2329.	3.905
803.	16.35	2330.	3.884
804.	16.37	2331.	3.897
805.	16.36	2332.	3.874
806.	16.36	2333.	3.893
807.	16.36	2334.	3.846
808.	16.31	2335.	3.882
809.	16.35	2336.	3.881
810.	16.38	2337.	3.835
811.	16.35	2338.	3.891
812.	16.38	2339.	3.868
813.	16.42	2340.	3.858
814.	16.41	2341.	3.82
815.	16.43	2342.	3.861
816.	16.43	2343.	3.867
817.	16.42	2344.	3.839
818.	16.42	2345.	3.86
819.	16.43	2346.	3.844
820.	16.44	2347.	3.824
821.	16.44	2348.	3.85
822.	16.44	2349.	3.816
823.	16.43	2350.	3.8
824.	16.44	2351.	3.843

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	16.48	2352.	3.836
826.	16.48	2353.	3.817
827.	16.5	2354.	3.821
828.	16.44	2355.	3.816
829.	16.47	2356.	3.808
830.	16.51	2357.	3.821
831.	16.48	2358.	3.78
832.	16.5	2359.	3.805
833.	16.51	2360.	3.823
834.	16.52	2361.	3.795
835.	16.48	2362.	3.801
836.	16.52	2363.	3.787
837.	16.53	2364.	3.792
838.	16.55	2365.	3.757
839.	16.56	2366.	3.78
840.	16.55	2367.	3.777
841.	16.55	2368.	3.755
842.	16.55	2369.	3.777
843.	16.56	2370.	3.775
844.	16.59	2371.	3.764
845.	16.58	2372.	3.733
846.	16.57	2373.	3.779
847.	16.59	2374.	3.737
848.	16.57	2375.	3.775
849.	16.61	2376.	3.758
850.	16.58	2377.	3.746
851.	16.6	2378.	3.753
852.	16.62	2379.	3.727
853.	16.57	2380.	3.736
854.	16.62	2381.	3.733
855.	16.61	2382.	3.718
856.	16.64	2383.	3.702
857.	16.62	2384.	3.678
858.	16.62	2385.	3.754
859.	16.67	2386.	3.714
860.	16.65	2387.	3.728
861.	16.67	2388.	3.775
862.	16.66	2389.	3.715
863.	16.67	2390.	3.728
864.	16.68	2391.	3.734
865.	16.68	2392.	3.705
866.	16.69	2393.	3.75
867.	16.67	2394.	3.697
868.	16.7	2395.	3.697
869.	16.72	2396.	3.701
870.	16.72	2397.	3.696
871.	16.7	2398.	3.703
872.	16.72	2399.	3.721
873.	16.7	2400.	3.667
874.	16.73	2401.	3.684
875.	16.73	2402.	3.669
876.	16.75	2403.	3.668
877.	16.74	2404.	3.711
878.	16.76	2405.	3.655
879.	16.76	2406.	3.654
880.	16.74	2407.	3.658
881.	16.71	2408.	3.681
882.	16.76	2409.	3.663
883.	16.78	2410.	3.665
884.	16.76	2411.	3.64
885.	16.79	2412.	3.67
886.	16.81	2413.	3.633
887.	16.79	2414.	3.654
888.	16.77	2415.	3.64
889.	16.8	2416.	3.666
890.	16.82	2417.	3.621

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	16.81	2418.	3.628
892.	16.86	2419.	3.634
893.	16.82	2420.	3.668
894.	16.82	2421.	3.608
895.	16.85	2422.	3.603
896.	16.82	2423.	3.596
897.	16.83	2424.	3.632
898.	16.84	2425.	3.624
899.	16.87	2426.	3.629
900.	16.86	2427.	3.636
901.	16.85	2428.	3.621
902.	16.85	2429.	3.627
903.	16.89	2430.	3.612
904.	16.87	2431.	3.572
905.	16.88	2432.	3.604
906.	16.87	2433.	3.583
907.	16.91	2434.	3.597
908.	16.87	2435.	3.603
909.	16.92	2436.	3.574
910.	16.93	2437.	3.585
911.	16.89	2438.	3.588
912.	16.89	2439.	3.627
913.	16.88	2440.	3.59
914.	16.91	2441.	3.568
915.	16.95	2442.	3.602
916.	16.93	2443.	3.573
917.	16.93	2444.	3.57
918.	16.93	2445.	3.579
919.	16.94	2446.	3.567
920.	16.94	2447.	3.593
921.	16.97	2448.	3.566
922.	16.98	2449.	3.552
923.	16.96	2450.	3.531
924.	16.96	2451.	3.537
925.	16.96	2452.	3.558
926.	16.98	2453.	3.551
927.	16.97	2454.	3.544
928.	16.99	2455.	3.529
929.	17.02	2456.	3.534
930.	16.99	2457.	3.551
931.	16.96	2458.	3.526
932.	17.	2459.	3.541
933.	17.03	2460.	3.527
934.	17.04	2461.	3.529
935.	17.	2462.	3.511
936.	17.	2463.	3.531
937.	17.03	2464.	3.515
938.	17.04	2465.	3.477
939.	17.05	2466.	3.495
940.	17.05	2467.	3.52
941.	17.06	2468.	3.518
942.	17.05	2469.	3.51
943.	17.05	2470.	3.511
944.	17.07	2471.	3.508
945.	17.08	2472.	3.495
946.	17.06	2473.	3.491
947.	17.08	2474.	3.468
948.	17.05	2475.	3.501
949.	17.11	2476.	3.496
950.	17.11	2477.	3.51
951.	17.09	2478.	3.463
952.	17.09	2479.	3.505
953.	17.12	2480.	3.458
954.	17.12	2481.	3.458
955.	17.12	2482.	3.474
956.	17.12	2483.	3.493

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	17.12	2484.	3.449
958.	17.12	2485.	3.486
959.	17.14	2486.	3.457
960.	17.12	2487.	3.456
961.	17.15	2488.	3.453
962.	17.14	2489.	3.472
963.	17.14	2490.	3.451
964.	17.16	2491.	3.463
965.	17.17	2492.	3.451
966.	17.17	2493.	3.437
967.	17.15	2494.	3.411
968.	17.17	2495.	3.427
969.	17.2	2496.	3.455
970.	17.21	2497.	3.437
971.	17.18	2498.	3.451
972.	17.18	2499.	3.398
973.	17.21	2500.	3.45
974.	17.2	2501.	3.427
975.	17.18	2502.	3.423
976.	17.2	2503.	3.403
977.	17.18	2504.	3.413
978.	17.22	2505.	3.392
979.	17.19	2506.	3.411
980.	17.23	2507.	3.385
981.	17.24	2508.	3.403
982.	17.21	2509.	3.41
983.	17.27	2510.	3.404
984.	17.23	2511.	3.401
985.	17.27	2512.	3.367
986.	17.24	2513.	3.406
987.	17.24	2514.	3.388
988.	17.24	2515.	3.379
989.	17.29	2516.	3.397
990.	17.28	2517.	3.366
991.	17.3	2518.	3.381
992.	17.23	2519.	3.362
993.	17.24	2520.	3.403
994.	17.29	2521.	3.37
995.	17.28	2522.	3.389
996.	17.28	2523.	3.323
997.	17.31	2524.	3.347
998.	17.33	2525.	3.401
999.	17.28	2526.	3.369
1000.	17.3	2527.	3.364
1001.	17.3	2528.	3.402
1002.	17.32	2529.	3.362
1003.	17.34	2530.	3.372
1004.	17.33	2531.	3.365
1005.	17.31	2532.	3.356
1006.	17.34	2533.	3.343
1007.	17.34	2534.	3.364
1008.	17.32	2535.	3.336
1009.	17.36	2536.	3.346
1010.	17.39	2537.	3.294
1011.	17.34	2538.	3.324
1012.	17.35	2539.	3.31
1013.	17.35	2540.	3.326
1014.	17.38	2541.	3.319
1015.	17.37	2542.	3.335
1016.	17.41	2543.	3.331
1017.	17.37	2544.	3.314
1018.	17.4	2545.	3.297
1019.	17.41	2546.	3.333
1020.	17.4	2547.	3.299
1021.	17.4	2548.	3.305
1022.	17.41	2549.	3.326

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	17.41	2550.	3.314
1024.	17.42	2551.	3.318
1025.	17.42	2552.	3.289
1026.	17.39	2553.	3.303
1027.	17.42	2554.	3.298
1028.	17.41	2555.	3.302
1029.	17.43	2556.	3.285
1030.	17.42	2557.	3.3
1031.	17.43	2558.	3.271
1032.	17.44	2559.	3.288
1033.	17.44	2560.	3.312
1034.	17.43	2561.	3.299
1035.	17.44	2562.	3.248
1036.	17.46	2563.	3.275
1037.	17.47	2564.	3.29
1038.	17.46	2565.	3.274
1039.	17.46	2566.	3.258
1040.	17.46	2567.	3.25
1041.	17.46	2568.	3.271
1042.	17.5	2569.	3.263
1043.	17.47	2570.	3.252
1044.	17.49	2571.	3.23
1045.	17.48	2572.	3.256
1046.	17.47	2573.	3.237
1047.	17.5	2574.	3.254
1048.	17.49	2575.	3.241
1049.	17.52	2576.	3.216
1050.	17.52	2577.	3.231
1051.	17.53	2578.	3.255
1052.	17.51	2579.	3.231
1053.	17.51	2580.	3.228
1054.	17.54	2581.	3.224
1055.	17.54	2582.	3.233
1056.	17.53	2583.	3.211
1057.	17.54	2584.	3.228
1058.	17.53	2585.	3.197
1059.	17.54	2586.	3.2
1060.	17.57	2587.	3.229
1061.	17.56	2588.	3.225
1062.	17.57	2589.	3.209
1063.	17.55	2590.	3.198
1064.	17.55	2591.	3.225
1065.	17.58	2592.	3.169
1066.	17.56	2593.	3.21
1067.	17.56	2594.	3.185
1068.	17.6	2595.	3.179
1069.	17.62	2596.	3.193
1070.	17.58	2597.	3.19
1071.	17.59	2598.	3.189
1072.	17.58	2599.	3.207
1073.	17.58	2600.	3.189
1074.	17.58	2601.	3.19
1075.	17.59	2602.	3.219
1076.	17.63	2603.	3.166
1077.	17.6	2604.	3.151
1078.	17.59	2605.	3.186
1079.	17.6	2606.	3.143
1080.	17.63	2607.	3.181
1081.	17.65	2608.	3.175
1082.	17.62	2609.	3.161
1083.	17.65	2610.	3.14
1084.	17.62	2611.	3.163
1085.	17.63	2612.	3.174
1086.	17.65	2613.	3.164
1087.	17.67	2614.	3.181
1088.	17.68	2615.	3.164

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	17.67	2616.	3.169
1090.	17.67	2617.	3.173
1091.	17.68	2618.	3.148
1092.	17.66	2619.	3.184
1093.	17.68	2620.	3.164
1094.	17.71	2621.	3.141
1095.	17.65	2622.	3.146
1096.	17.7	2623.	3.137
1097.	17.7	2624.	3.132
1098.	17.7	2625.	3.154
1099.	17.7	2626.	3.149
1100.	17.71	2627.	3.129
1101.	17.7	2628.	3.135
1102.	17.72	2629.	3.147
1103.	17.71	2630.	3.158
1104.	17.73	2631.	3.115
1105.	17.75	2632.	3.129
1106.	17.73	2633.	3.131
1107.	17.75	2634.	3.08
1108.	17.74	2635.	3.086
1109.	17.72	2636.	3.132
1110.	17.79	2637.	3.103
1111.	17.74	2638.	3.118
1112.	17.71	2639.	3.112
1113.	17.79	2640.	3.124
1114.	17.75	2641.	3.102
1115.	17.78	2642.	3.085
1116.	17.78	2643.	3.088
1117.	17.8	2644.	3.091
1118.	17.79	2645.	3.079
1119.	17.76	2646.	3.115
1120.	17.77	2647.	3.096
1121.	17.79	2648.	3.067
1122.	17.81	2649.	3.115
1123.	17.78	2650.	3.1
1124.	17.8	2651.	3.085
1125.	17.78	2652.	3.054
1126.	17.8	2653.	3.062
1127.	17.78	2654.	3.062
1128.	17.82	2655.	3.077
1129.	17.82	2656.	3.047
1130.	17.79	2657.	3.048
1131.	17.79	2658.	3.114
1132.	17.83	2659.	3.065
1133.	17.81	2660.	3.059
1134.	17.83	2661.	3.054
1135.	17.86	2662.	3.073
1136.	17.87	2663.	3.08
1137.	17.85	2664.	3.029
1138.	17.84	2665.	3.055
1139.	17.86	2666.	3.052
1140.	17.87	2667.	3.023
1141.	17.83	2668.	3.04
1142.	17.87	2669.	3.037
1143.	17.86	2670.	3.047
1144.	17.84	2671.	3.022
1145.	17.85	2672.	3.026
1146.	17.87	2673.	3.006
1147.	17.86	2674.	3.044
1148.	17.87	2675.	3.03
1149.	17.9	2676.	3.018
1150.	17.9	2677.	3.033
1151.	17.89	2678.	3.007
1152.	17.89	2679.	3.022
1153.	17.9	2680.	3.013
1154.	17.89	2681.	3.011

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	17.91	2682.	3.037
1156.	17.92	2683.	3.011
1157.	17.92	2684.	3.038
1158.	17.93	2685.	3.001
1159.	17.89	2686.	3.034
1160.	17.95	2687.	3.011
1161.	17.89	2688.	2.978
1162.	17.92	2689.	3.02
1163.	17.91	2690.	2.997
1164.	17.98	2691.	2.989
1165.	17.9	2692.	3.002
1166.	17.94	2693.	2.96
1167.	17.96	2694.	3.018
1168.	17.93	2695.	2.987
1169.	17.97	2696.	2.995
1170.	17.96	2697.	2.969
1171.	17.95	2698.	2.973
1172.	17.97	2699.	3.017
1173.	17.97	2700.	2.984
1174.	17.99	2701.	2.955
1175.	17.97	2702.	2.987
1176.	17.99	2703.	2.966
1177.	18.	2704.	3.009
1178.	17.98	2705.	2.984
1179.	17.99	2706.	2.954
1180.	17.98	2707.	2.944
1181.	17.93	2708.	2.967
1182.	17.96	2709.	2.997
1183.	17.95	2710.	2.993
1184.	17.93	2711.	2.951
1185.	17.88	2712.	2.919
1186.	17.85	2713.	2.949
1187.	17.85	2714.	2.943
1188.	17.86	2715.	2.941
1189.	17.83	2716.	2.946
1190.	17.82	2717.	2.948
1191.	17.78	2718.	2.977
1192.	17.77	2719.	2.924
1193.	17.75	2720.	2.951
1194.	17.69	2721.	2.955
1195.	17.74	2722.	2.927
1196.	17.7	2723.	2.903
1197.	17.71	2724.	2.953
1198.	17.66	2725.	2.915
1199.	17.64	2726.	2.944
1200.	17.66	2727.	2.909
1201.	17.66	2728.	2.898
1202.	17.65	2729.	2.915
1203.	17.61	2730.	2.9
1204.	17.61	2731.	2.915
1205.	17.61	2732.	2.94
1206.	17.59	2733.	2.94
1207.	17.57	2734.	2.936
1208.	17.56	2735.	2.901
1209.	17.55	2736.	2.858
1210.	17.56	2737.	2.923
1211.	17.52	2738.	2.895
1212.	17.51	2739.	2.904
1213.	17.51	2740.	2.894
1214.	17.49	2741.	2.93
1215.	17.52	2742.	2.926
1216.	17.51	2743.	2.923
1217.	17.47	2744.	2.902
1218.	17.47	2745.	2.887
1219.	17.43	2746.	2.884
1220.	17.45	2747.	2.863

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	17.41	2748.	2.863
1222.	17.41	2749.	2.914
1223.	17.42	2750.	2.898
1224.	17.41	2751.	2.862
1225.	17.43	2752.	2.873
1226.	17.41	2753.	2.925
1227.	17.42	2754.	2.858
1228.	17.43	2755.	2.865
1229.	17.45	2756.	2.874
1230.	17.45	2757.	2.882
1231.	17.47	2758.	2.849
1232.	17.48	2759.	2.867
1233.	17.49	2760.	2.877
1234.	17.52	2761.	2.856
1235.	17.51	2762.	2.857
1236.	17.53	2763.	2.845
1237.	17.56	2764.	2.857
1238.	17.54	2765.	2.823
1239.	17.54	2766.	2.858
1240.	17.56	2767.	2.857
1241.	17.59	2768.	2.853
1242.	17.58	2769.	2.859
1243.	17.57	2770.	2.855
1244.	17.61	2771.	2.832
1245.	17.63	2772.	2.827
1246.	17.64	2773.	2.833
1247.	17.66	2774.	2.818
1248.	17.61	2775.	2.86
1249.	17.65	2776.	2.812
1250.	17.66	2777.	2.833
1251.	17.68	2778.	2.825
1252.	17.68	2779.	2.846
1253.	17.71	2780.	2.831
1254.	17.72	2781.	2.807
1255.	17.74	2782.	2.827
1256.	17.72	2783.	2.835
1257.	17.75	2784.	2.826
1258.	17.74	2785.	2.815
1259.	17.72	2786.	2.835
1260.	17.75	2787.	2.795
1261.	17.75	2788.	2.826
1262.	17.77	2789.	2.813
1263.	17.79	2790.	2.821
1264.	17.81	2791.	2.784
1265.	17.81	2792.	2.819
1266.	17.84	2793.	2.805
1267.	17.83	2794.	2.82
1268.	17.81	2795.	2.802
1269.	17.84	2796.	2.786
1270.	17.85	2797.	2.777
1271.	17.83	2798.	2.767
1272.	17.87	2799.	2.782
1273.	17.87	2800.	2.79
1274.	17.83	2801.	2.797
1275.	17.9	2802.	2.768
1276.	17.89	2803.	2.764
1277.	17.89	2804.	2.78
1278.	17.88	2805.	2.774
1279.	17.93	2806.	2.788
1280.	17.91	2807.	2.758
1281.	17.91	2808.	2.76
1282.	17.93	2809.	2.785
1283.	17.93	2810.	2.755
1284.	17.93	2811.	2.774
1285.	17.95	2812.	2.772
1286.	17.97	2813.	2.751

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	17.94	2814.	2.756
1288.	17.97	2815.	2.784
1289.	17.98	2816.	2.766
1290.	17.95	2817.	2.788
1291.	17.98	2818.	2.754
1292.	18.	2819.	2.759
1293.	17.99	2820.	2.745
1294.	18.	2821.	2.729
1295.	18.	2822.	2.739
1296.	18.	2823.	2.792
1297.	18.02	2824.	2.766
1298.	18.03	2825.	2.737
1299.	18.	2826.	2.766
1300.	18.01	2827.	2.776
1301.	18.03	2828.	2.753
1302.	18.04	2829.	2.737
1303.	18.04	2830.	2.714
1304.	18.04	2831.	2.765
1305.	18.02	2832.	2.753
1306.	18.05	2833.	2.736
1307.	18.05	2834.	2.729
1308.	18.06	2835.	2.758
1309.	18.08	2836.	2.771
1310.	18.09	2837.	2.73
1311.	18.09	2838.	2.73
1312.	18.08	2839.	2.746
1313.	18.05	2840.	2.715
1314.	18.1	2841.	2.742
1315.	18.11	2842.	2.73
1316.	18.11	2843.	2.758
1317.	18.09	2844.	2.729
1318.	18.14	2845.	2.697
1319.	18.1	2846.	2.721
1320.	18.1	2847.	2.748
1321.	18.14	2848.	2.707
1322.	18.13	2849.	2.708
1323.	18.15	2850.	2.731
1324.	18.13	2851.	2.711
1325.	18.17	2852.	2.695
1326.	18.15	2853.	2.714
1327.	18.16	2854.	2.695
1328.	18.16	2855.	2.686
1329.	18.17	2856.	2.71
1330.	18.19	2857.	2.693
1331.	18.17	2858.	2.681
1332.	18.18	2859.	2.701
1333.	18.19	2860.	2.695
1334.	18.19	2861.	2.707
1335.	18.21	2862.	2.7
1336.	18.17	2863.	2.699
1337.	18.16	2864.	2.675
1338.	18.18	2865.	2.683
1339.	18.22	2866.	2.673
1340.	18.2	2867.	2.669
1341.	18.21	2868.	2.676
1342.	18.24	2869.	2.667
1343.	18.24	2870.	2.684
1344.	18.21	2871.	2.667
1345.	18.2	2872.	2.681
1346.	18.25	2873.	2.665
1347.	18.24	2874.	2.659
1348.	18.23	2875.	2.654
1349.	18.27	2876.	2.685
1350.	18.24	2877.	2.67
1351.	18.28	2878.	2.676
1352.	18.27	2879.	2.662

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	18.29	2880.	2.666
1354.	18.23	2881.	2.646
1355.	18.27	2882.	2.686
1356.	18.26	2883.	2.65
1357.	18.31	2884.	2.659
1358.	18.3	2885.	2.684
1359.	18.25	2886.	2.647
1360.	18.31	2887.	2.624
1361.	18.34	2888.	2.614
1362.	18.29	2889.	2.675
1363.	18.32	2890.	2.632
1364.	18.3	2891.	2.64
1365.	18.34	2892.	2.676
1366.	18.32	2893.	2.637
1367.	18.34	2894.	2.629
1368.	18.31	2895.	2.644
1369.	18.33	2896.	2.676
1370.	18.36	2897.	2.662
1371.	18.36	2898.	2.593
1372.	18.34	2899.	2.627
1373.	18.34	2900.	2.655
1374.	18.35	2901.	2.635
1375.	18.39	2902.	2.61
1376.	18.37	2903.	2.631
1377.	18.38	2904.	2.632
1378.	18.37	2905.	2.634
1379.	18.36	2906.	2.644
1380.	18.39	2907.	2.635
1381.	18.34	2908.	2.623
1382.	18.37	2909.	2.605
1383.	18.41	2910.	2.615
1384.	18.41	2911.	2.625
1385.	18.4	2912.	2.597
1386.	18.37	2913.	2.656
1387.	18.4	2914.	2.616
1388.	18.4	2915.	2.635
1389.	18.41	2916.	2.622
1390.	18.42	2917.	2.592
1391.	18.45	2918.	2.579
1392.	18.41	2919.	2.61
1393.	18.41	2920.	2.579
1394.	18.47	2921.	2.619
1395.	18.44	2922.	2.6
1396.	18.45	2923.	2.588
1397.	18.45	2924.	2.581
1398.	18.45	2925.	2.595
1399.	18.44	2926.	2.6
1400.	18.47	2927.	2.618
1401.	18.44	2928.	2.557
1402.	18.45	2929.	2.601
1403.	18.47	2930.	2.575
1404.	18.48	2931.	2.586
1405.	18.46	2932.	2.573
1406.	18.52	2933.	2.585
1407.	18.48	2934.	2.6
1408.	18.5	2935.	2.569
1409.	18.46	2936.	2.603
1410.	18.48	2937.	2.563
1411.	18.5	2938.	2.577
1412.	18.47	2939.	2.572
1413.	18.52	2940.	2.589
1414.	18.51	2941.	2.571
1415.	18.53	2942.	2.601
1416.	18.49	2943.	2.579
1417.	18.52	2944.	2.577
1418.	18.54	2945.	2.54

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	18.52	2946.	2.539
1420.	18.52	2947.	2.544
1421.	18.52	2948.	2.578
1422.	18.51	2949.	2.562
1423.	18.54	2950.	2.585
1424.	18.54	2951.	2.568
1425.	18.54	2952.	2.563
1426.	18.56	2953.	2.558
1427.	18.54	2954.	2.57
1428.	18.58	2955.	2.578
1429.	18.55	2956.	2.575
1430.	18.57	2957.	2.523
1431.	18.55	2958.	2.554
1432.	18.57	2959.	2.528
1433.	18.57	2960.	2.545
1434.	18.57	2961.	2.545
1435.	18.56	2962.	2.536
1436.	18.58	2963.	2.567
1437.	18.56	2964.	2.567
1438.	18.51	2965.	2.559
1439.	18.39	2966.	2.53
1440.	18.27	2967.	2.541
1441.	18.18	2968.	2.551
1442.	18.06	2969.	2.535
1443.	17.91	2970.	2.568
1444.	17.8	2971.	2.542
1445.	17.68	2972.	2.543
1446.	17.54	2973.	2.536
1447.	17.43	2974.	2.537
1448.	17.28	2975.	2.505
1449.	17.2	2976.	2.481
1450.	17.08	2977.	2.543
1451.	16.98	2978.	2.527
1452.	16.84	2979.	2.53
1453.	16.73	2980.	2.524
1454.	16.61	2981.	2.537
1455.	16.5	2982.	2.527
1456.	16.43	2983.	2.542
1457.	16.29	2984.	2.534
1458.	16.23	2985.	2.504
1459.	16.1	2986.	2.508
1460.	16.02	2987.	2.529
1461.	15.91	2988.	2.515
1462.	15.82	2989.	2.507
1463.	15.75	2990.	2.482
1464.	15.64	2991.	2.516
1465.	15.58	2992.	2.474
1466.	15.49	2993.	2.494
1467.	15.44	2994.	2.501
1468.	15.34	2995.	2.526
1469.	15.26	2996.	2.479
1470.	15.19	2997.	2.493
1471.	15.1	2998.	2.493
1472.	15.04	2999.	2.487
1473.	14.98	3000.	2.514
1474.	14.91	3001.	2.515
1475.	14.81	3002.	2.522
1476.	14.72	3003.	2.509
1477.	14.67	3004.	2.503
1478.	14.57	3005.	2.487
1479.	14.54	3006.	2.487
1480.	14.44	3007.	2.502
1481.	14.42	3008.	2.483
1482.	14.32	3009.	2.493
1483.	14.29	3010.	2.506
1484.	14.24	3011.	2.491

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	14.14	3012.	2.502
1486.	14.1	3013.	2.505
1487.	14.02	3014.	2.458
1488.	13.98	3015.	2.496
1489.	13.91	3016.	2.471
1490.	13.84	3017.	2.501
1491.	13.81	3018.	2.498
1492.	13.7	3019.	2.481
1493.	13.66	3020.	2.481
1494.	13.61	3021.	2.502
1495.	13.54	3022.	2.453
1496.	13.44	3023.	2.464
1497.	13.46	3024.	2.487
1498.	13.4	3025.	2.481
1499.	13.34	3026.	2.451
1500.	13.31	3027.	2.479
1501.	13.23	3028.	2.494
1502.	13.16	3029.	2.48
1503.	13.16	3030.	2.478
1504.	13.09	3031.	2.484
1505.	13.01	3032.	2.43
1506.	12.97	3033.	2.469
1507.	12.95	3034.	2.469
1508.	12.88	3035.	2.486
1509.	12.83	3036.	2.437
1510.	12.79	3037.	2.458
1511.	12.75	3038.	2.463
1512.	12.67	3039.	2.452
1513.	12.63	3040.	2.442
1514.	12.62	3041.	2.446
1515.	12.5	3042.	2.448
1516.	12.5	3043.	2.471
1517.	12.5	3044.	2.485
1518.	12.37	3045.	2.454
1519.	12.37	3046.	2.475
1520.	12.32	3047.	2.43
1521.	12.29	3048.	2.435
1522.	12.24	3049.	2.456
1523.	12.18	3050.	2.445
1524.	12.1	3051.	2.445
1525.	12.1	3052.	2.408
1526.	12.08	3053.	2.461
1527.	12.03		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1313.7	ft^2/day
S	0.0001018	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.42 ft/day (0.005793 cm/sec)
Ss = S/b = 1.272E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1323.7	2.019	+/- 3.959	655.7	ft^2/day
S	0.0001103	5.041E-7	+/- 9.886E-7	218.8	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.55 ft/day (0.005837 cm/sec)
Ss = S/b = 1.379E-6 1/ft

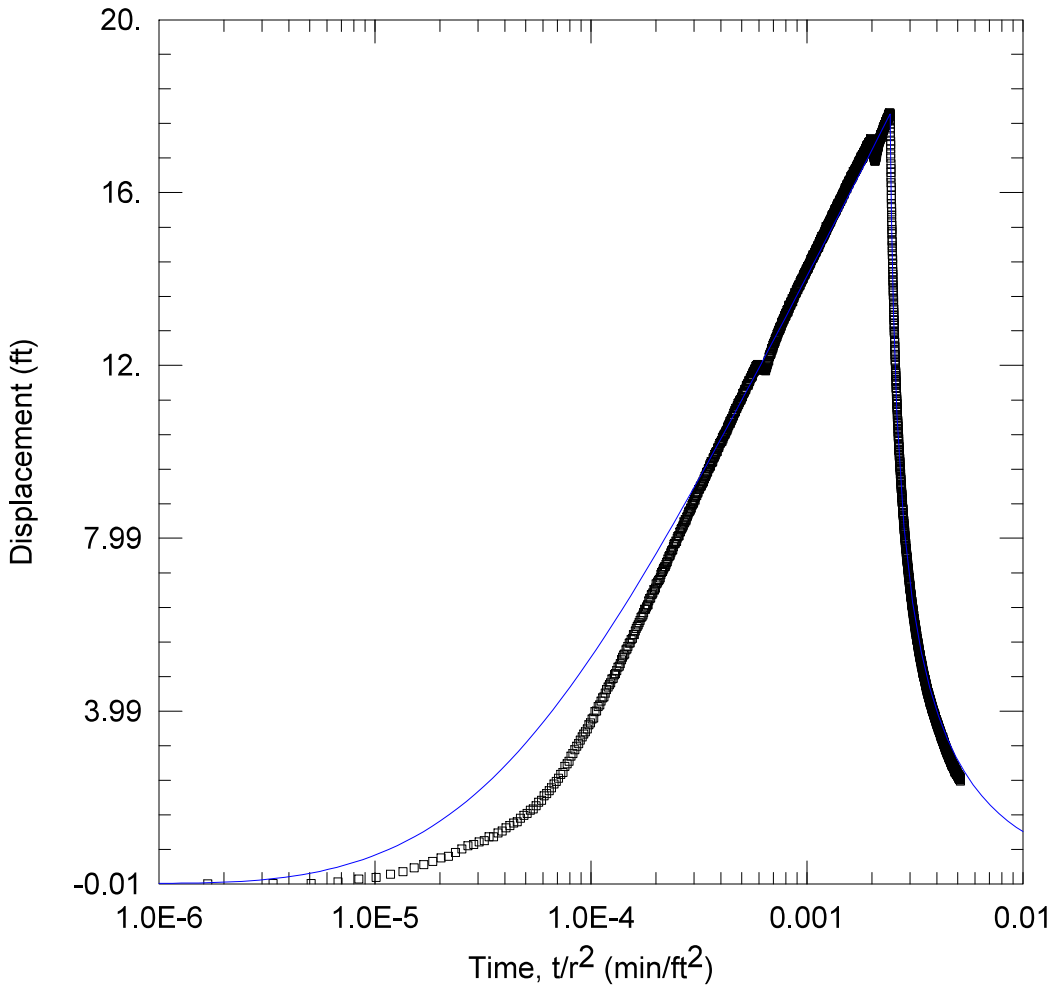
Parameter Correlations

	T	S
T	1.00	-0.88
S	-0.88	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 370.8 ft^2
Variance . . . . . 0.1215 ft^2
Std. Deviation . . . . . 0.3486 ft
Mean . . . . . -0.1212 ft
No. of Residuals 3053
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW26.aqt
Date: 04/11/25 Time: 12:10:36

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW26	799	1459

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1336.5 ft^2/day
S = 0.0001284
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:34:51

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW26

X Location: 799. ft
Y Location: 1459. ft

Radial distance from BM 1B: 769.7077367 ft
Radial distance from BM2A: 908.1079231 ft
Radial distance from BM3: 753.5011612 ft
Radial distance from BM 4 : 632.4634377 ft
Radial distance from BM5: 354.3797398 ft
Radial distance from BM 6: 273.8795356 ft
Radial distance from BM7: 602.9344906 ft
Radial distance from BM9: 1267.077346 ft

Fully Penetrating Well

No. of Observations: 3048

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.009491	1525.	11.91
2.	-0.002113	1526.	11.89
3.	-0.002113	1527.	11.86
4.	0.03576	1528.	11.83
5.	0.09848	1529.	11.76
6.	0.1357	1530.	11.76
7.	0.2117	1531.	11.72
8.	0.2697	1532.	11.66
9.	0.3616	1533.	11.62
10.	0.4374	1534.	11.61
11.	0.5112	1535.	11.56
12.	0.5873	1536.	11.49
13.	0.6276	1537.	11.46
14.	0.7147	1538.	11.46
15.	0.7943	1539.	11.38
16.	0.873	1540.	11.38
17.	0.9049	1541.	11.34
18.	0.9592	1542.	11.3
19.	0.9899	1543.	11.28
20.	1.083	1544.	11.23
21.	1.082	1545.	11.2
22.	1.17	1546.	11.17
23.	1.216	1547.	11.1
24.	1.284	1548.	11.12
25.	1.339	1549.	11.09
26.	1.401	1550.	11.02
27.	1.426	1551.	11.
28.	1.506	1552.	10.97
29.	1.577	1553.	10.95
30.	1.62	1554.	10.92
31.	1.695	1555.	10.86
32.	1.724	1556.	10.85

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.798	1557.	10.8
34.	1.877	1558.	10.78
35.	1.924	1559.	10.73
36.	2.031	1560.	10.72
37.	2.079	1561.	10.69
38.	2.146	1562.	10.66
39.	2.211	1563.	10.66
40.	2.302	1564.	10.6
41.	2.358	1565.	10.59
42.	2.436	1566.	10.52
43.	2.522	1567.	10.53
44.	2.569	1568.	10.46
45.	2.713	1569.	10.44
46.	2.772	1570.	10.42
47.	2.831	1571.	10.36
48.	2.949	1572.	10.35
49.	3.007	1573.	10.31
50.	3.099	1574.	10.34
51.	3.174	1575.	10.32
52.	3.239	1576.	10.29
53.	3.316	1577.	10.24
54.	3.389	1578.	10.18
55.	3.461	1579.	10.16
56.	3.514	1580.	10.12
57.	3.575	1581.	10.11
58.	3.671	1582.	10.1
59.	3.716	1583.	10.05
60.	3.805	1584.	10.03
61.	3.826	1585.	10.03
62.	3.977	1586.	9.963
63.	3.989	1587.	9.986
64.	4.094	1588.	9.907
65.	4.131	1589.	9.876
66.	4.221	1590.	9.912
67.	4.294	1591.	9.836
68.	4.319	1592.	9.853
69.	4.408	1593.	9.834
70.	4.486	1594.	9.776
71.	4.548	1595.	9.787
72.	4.597	1596.	9.767
73.	4.643	1597.	9.741
74.	4.733	1598.	9.701
75.	4.747	1599.	9.627
76.	4.832	1600.	9.649
77.	4.856	1601.	9.658
78.	4.926	1602.	9.611
79.	5.004	1603.	9.577
80.	5.028	1604.	9.552
81.	5.089	1605.	9.557
82.	5.175	1606.	9.476
83.	5.233	1607.	9.497
84.	5.288	1608.	9.482
85.	5.308	1609.	9.412
86.	5.409	1610.	9.419
87.	5.432	1611.	9.402
88.	5.491	1612.	9.387
89.	5.563	1613.	9.357
90.	5.577	1614.	9.347
91.	5.646	1615.	9.32
92.	5.677	1616.	9.295
93.	5.761	1617.	9.242
94.	5.764	1618.	9.258
95.	5.841	1619.	9.216
96.	5.903	1620.	9.195
97.	5.95	1621.	9.176
98.	5.984	1622.	9.142

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	6.041	1623.	9.138
100.	6.091	1624.	9.145
101.	6.156	1625.	9.076
102.	6.18	1626.	9.06
103.	6.219	1627.	9.076
104.	6.266	1628.	9.062
105.	6.346	1629.	9.015
106.	6.346	1630.	9.024
107.	6.402	1631.	8.969
108.	6.442	1632.	8.989
109.	6.452	1633.	8.925
110.	6.541	1634.	8.925
111.	6.591	1635.	8.927
112.	6.606	1636.	8.902
113.	6.681	1637.	8.867
114.	6.699	1638.	8.829
115.	6.727	1639.	8.815
116.	6.798	1640.	8.838
117.	6.796	1641.	8.774
118.	6.841	1642.	8.759
119.	6.937	1643.	8.76
120.	6.952	1644.	8.758
121.	6.981	1645.	8.704
122.	7.02	1646.	8.688
123.	7.045	1647.	8.665
124.	7.076	1648.	8.669
125.	7.15	1649.	8.649
126.	7.207	1650.	8.664
127.	7.23	1651.	8.587
128.	7.261	1652.	8.593
129.	7.302	1653.	8.558
130.	7.332	1654.	8.563
131.	7.345	1655.	8.513
132.	7.392	1656.	8.539
133.	7.433	1657.	8.485
134.	7.46	1658.	8.464
135.	7.516	1659.	8.445
136.	7.566	1660.	8.453
137.	7.589	1661.	8.468
138.	7.607	1662.	8.413
139.	7.655	1663.	8.4
140.	7.704	1664.	8.412
141.	7.72	1665.	8.35
142.	7.734	1666.	8.345
143.	7.797	1667.	8.35
144.	7.86	1668.	8.308
145.	7.877	1669.	8.274
146.	7.878	1670.	8.304
147.	7.932	1671.	8.284
148.	7.924	1672.	8.247
149.	7.994	1673.	8.209
150.	8.036	1674.	8.188
151.	8.05	1675.	8.227
152.	8.059	1676.	8.204
153.	8.137	1677.	8.148
154.	8.146	1678.	8.177
155.	8.196	1679.	8.154
156.	8.218	1680.	8.168
157.	8.247	1681.	8.135
158.	8.276	1682.	8.098
159.	8.298	1683.	8.054
160.	8.374	1684.	8.059
161.	8.353	1685.	8.053
162.	8.424	1686.	8.051
163.	8.399	1687.	7.985
164.	8.434	1688.	8.001

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	8.485	1689.	8.005
166.	8.51	1690.	7.982
167.	8.552	1691.	7.942
168.	8.597	1692.	7.939
169.	8.618	1693.	7.939
170.	8.624	1694.	7.9
171.	8.646	1695.	7.878
172.	8.693	1696.	7.924
173.	8.689	1697.	7.878
174.	8.749	1698.	7.866
175.	8.782	1699.	7.881
176.	8.798	1700.	7.826
177.	8.809	1701.	7.784
178.	8.843	1702.	7.835
179.	8.901	1703.	7.757
180.	8.873	1704.	7.755
181.	8.941	1705.	7.766
182.	8.992	1706.	7.749
183.	8.981	1707.	7.744
184.	9.038	1708.	7.73
185.	9.038	1709.	7.692
186.	9.063	1710.	7.692
187.	9.118	1711.	7.679
188.	9.126	1712.	7.663
189.	9.142	1713.	7.653
190.	9.19	1714.	7.618
191.	9.205	1715.	7.586
192.	9.2	1716.	7.581
193.	9.223	1717.	7.587
194.	9.271	1718.	7.62
195.	9.269	1719.	7.602
196.	9.313	1720.	7.563
197.	9.298	1721.	7.549
198.	9.362	1722.	7.548
199.	9.371	1723.	7.542
200.	9.426	1724.	7.507
201.	9.426	1725.	7.504
202.	9.452	1726.	7.475
203.	9.484	1727.	7.481
204.	9.522	1728.	7.438
205.	9.532	1729.	7.474
206.	9.531	1730.	7.448
207.	9.595	1731.	7.437
208.	9.608	1732.	7.43
209.	9.616	1733.	7.407
210.	9.655	1734.	7.387
211.	9.691	1735.	7.362
212.	9.665	1736.	7.342
213.	9.726	1737.	7.382
214.	9.765	1738.	7.338
215.	9.751	1739.	7.299
216.	9.751	1740.	7.314
217.	9.775	1741.	7.314
218.	9.834	1742.	7.299
219.	9.863	1743.	7.271
220.	9.861	1744.	7.253
221.	9.881	1745.	7.24
222.	9.938	1746.	7.233
223.	9.922	1747.	7.26
224.	9.965	1748.	7.204
225.	9.97	1749.	7.176
226.	9.996	1750.	7.14
227.	10.	1751.	7.155
228.	10.	1752.	7.162
229.	10.08	1753.	7.142
230.	10.1	1754.	7.176

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	10.09	1755.	7.148
232.	10.1	1756.	7.089
233.	10.14	1757.	7.083
234.	10.19	1758.	7.097
235.	10.19	1759.	7.073
236.	10.21	1760.	7.097
237.	10.22	1761.	7.076
238.	10.24	1762.	7.019
239.	10.25	1763.	7.026
240.	10.25	1764.	7.023
241.	10.32	1765.	7.011
242.	10.29	1766.	6.961
243.	10.35	1767.	6.993
244.	10.35	1768.	6.971
245.	10.37	1769.	6.98
246.	10.4	1770.	6.966
247.	10.39	1771.	6.94
248.	10.42	1772.	6.937
249.	10.45	1773.	6.948
250.	10.46	1774.	6.918
251.	10.48	1775.	6.897
252.	10.49	1776.	6.898
253.	10.51	1777.	6.889
254.	10.56	1778.	6.895
255.	10.55	1779.	6.831
256.	10.59	1780.	6.846
257.	10.6	1781.	6.814
258.	10.61	1782.	6.828
259.	10.64	1783.	6.814
260.	10.67	1784.	6.817
261.	10.7	1785.	6.8
262.	10.66	1786.	6.783
263.	10.7	1787.	6.766
264.	10.73	1788.	6.766
265.	10.73	1789.	6.753
266.	10.77	1790.	6.736
267.	10.76	1791.	6.781
268.	10.78	1792.	6.699
269.	10.82	1793.	6.717
270.	10.84	1794.	6.703
271.	10.84	1795.	6.699
272.	10.88	1796.	6.665
273.	10.9	1797.	6.655
274.	10.89	1798.	6.664
275.	10.94	1799.	6.68
276.	10.94	1800.	6.634
277.	10.92	1801.	6.629
278.	10.99	1802.	6.633
279.	11.01	1803.	6.621
280.	11.	1804.	6.606
281.	11.	1805.	6.573
282.	11.04	1806.	6.584
283.	11.07	1807.	6.565
284.	11.06	1808.	6.564
285.	11.11	1809.	6.544
286.	11.09	1810.	6.55
287.	11.13	1811.	6.54
288.	11.14	1812.	6.537
289.	11.16	1813.	6.529
290.	11.19	1814.	6.483
291.	11.19	1815.	6.505
292.	11.2	1816.	6.494
293.	11.19	1817.	6.474
294.	11.22	1818.	6.464
295.	11.26	1819.	6.452
296.	11.26	1820.	6.438

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	11.28	1821.	6.418
298.	11.28	1822.	6.436
299.	11.34	1823.	6.435
300.	11.34	1824.	6.425
301.	11.34	1825.	6.421
302.	11.35	1826.	6.391
303.	11.36	1827.	6.405
304.	11.39	1828.	6.345
305.	11.38	1829.	6.379
306.	11.43	1830.	6.364
307.	11.42	1831.	6.373
308.	11.43	1832.	6.338
309.	11.43	1833.	6.344
310.	11.47	1834.	6.308
311.	11.53	1835.	6.306
312.	11.51	1836.	6.319
313.	11.53	1837.	6.298
314.	11.56	1838.	6.289
315.	11.56	1839.	6.28
316.	11.58	1840.	6.337
317.	11.54	1841.	6.249
318.	11.58	1842.	6.242
319.	11.63	1843.	6.26
320.	11.64	1844.	6.241
321.	11.62	1845.	6.224
322.	11.62	1846.	6.246
323.	11.65	1847.	6.188
324.	11.69	1848.	6.217
325.	11.69	1849.	6.206
326.	11.71	1850.	6.213
327.	11.71	1851.	6.199
328.	11.75	1852.	6.123
329.	11.74	1853.	6.134
330.	11.77	1854.	6.145
331.	11.75	1855.	6.132
332.	11.76	1856.	6.113
333.	11.8	1857.	6.124
334.	11.83	1858.	6.124
335.	11.84	1859.	6.124
336.	11.85	1860.	6.123
337.	11.86	1861.	6.061
338.	11.87	1862.	6.103
339.	11.87	1863.	6.07
340.	11.9	1864.	6.096
341.	11.92	1865.	6.068
342.	11.92	1866.	6.065
343.	11.91	1867.	6.04
344.	11.94	1868.	6.052
345.	11.98	1869.	6.
346.	11.98	1870.	6.018
347.	12.	1871.	5.995
348.	11.99	1872.	5.984
349.	11.99	1873.	5.983
350.	12.03	1874.	5.99
351.	12.	1875.	5.974
352.	12.02	1876.	5.947
353.	11.99	1877.	5.975
354.	11.99	1878.	6.003
355.	11.97	1879.	5.95
356.	11.97	1880.	5.949
357.	11.99	1881.	5.901
358.	11.95	1882.	5.919
359.	11.98	1883.	5.911
360.	11.95	1884.	5.92
361.	11.94	1885.	5.887
362.	11.95	1886.	5.856

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	11.96	1887.	5.898
364.	11.95	1888.	5.884
365.	11.92	1889.	5.873
366.	11.9	1890.	5.866
367.	11.93	1891.	5.854
368.	11.93	1892.	5.813
369.	11.91	1893.	5.864
370.	11.91	1894.	5.83
371.	11.92	1895.	5.828
372.	11.9	1896.	5.817
373.	11.88	1897.	5.829
374.	11.88	1898.	5.817
375.	11.91	1899.	5.798
376.	11.92	1900.	5.794
377.	11.92	1901.	5.777
378.	11.91	1902.	5.744
379.	11.89	1903.	5.756
380.	11.89	1904.	5.757
381.	11.87	1905.	5.754
382.	11.88	1906.	5.743
383.	11.92	1907.	5.748
384.	11.96	1908.	5.748
385.	11.95	1909.	5.746
386.	11.96	1910.	5.734
387.	11.98	1911.	5.725
388.	12.02	1912.	5.725
389.	12.03	1913.	5.679
390.	12.05	1914.	5.678
391.	12.06	1915.	5.678
392.	12.1	1916.	5.633
393.	12.11	1917.	5.656
394.	12.11	1918.	5.656
395.	12.1	1919.	5.657
396.	12.19	1920.	5.635
397.	12.21	1921.	5.646
398.	12.2	1922.	5.628
399.	12.23	1923.	5.629
400.	12.26	1924.	5.613
401.	12.25	1925.	5.637
402.	12.25	1926.	5.594
403.	12.29	1927.	5.606
404.	12.27	1928.	5.578
405.	12.31	1929.	5.566
406.	12.33	1930.	5.584
407.	12.38	1931.	5.543
408.	12.35	1932.	5.58
409.	12.36	1933.	5.559
410.	12.4	1934.	5.547
411.	12.41	1935.	5.528
412.	12.4	1936.	5.578
413.	12.46	1937.	5.536
414.	12.44	1938.	5.552
415.	12.47	1939.	5.496
416.	12.51	1940.	5.514
417.	12.51	1941.	5.462
418.	12.52	1942.	5.511
419.	12.51	1943.	5.522
420.	12.54	1944.	5.476
421.	12.53	1945.	5.495
422.	12.55	1946.	5.47
423.	12.6	1947.	5.471
424.	12.6	1948.	5.498
425.	12.61	1949.	5.423
426.	12.63	1950.	5.451
427.	12.64	1951.	5.476
428.	12.65	1952.	5.46

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	12.66	1953.	5.414
430.	12.66	1954.	5.438
431.	12.67	1955.	5.428
432.	12.72	1956.	5.384
433.	12.72	1957.	5.389
434.	12.73	1958.	5.411
435.	12.73	1959.	5.361
436.	12.76	1960.	5.366
437.	12.78	1961.	5.401
438.	12.77	1962.	5.333
439.	12.81	1963.	5.364
440.	12.8	1964.	5.387
441.	12.8	1965.	5.354
442.	12.81	1966.	5.337
443.	12.85	1967.	5.341
444.	12.85	1968.	5.341
445.	12.88	1969.	5.307
446.	12.84	1970.	5.3
447.	12.89	1971.	5.332
448.	12.9	1972.	5.314
449.	12.9	1973.	5.277
450.	12.9	1974.	5.31
451.	12.92	1975.	5.3
452.	12.98	1976.	5.275
453.	12.96	1977.	5.293
454.	13.	1978.	5.283
455.	12.98	1979.	5.247
456.	12.97	1980.	5.288
457.	13.01	1981.	5.249
458.	13.02	1982.	5.242
459.	13.02	1983.	5.234
460.	13.05	1984.	5.225
461.	13.05	1985.	5.232
462.	13.07	1986.	5.236
463.	13.07	1987.	5.236
464.	13.07	1988.	5.23
465.	13.07	1989.	5.195
466.	13.13	1990.	5.21
467.	13.11	1991.	5.19
468.	13.15	1992.	5.182
469.	13.13	1993.	5.173
470.	13.15	1994.	5.178
471.	13.13	1995.	5.174
472.	13.15	1996.	5.142
473.	13.19	1997.	5.158
474.	13.16	1998.	5.148
475.	13.21	1999.	5.132
476.	13.21	2000.	5.152
477.	13.22	2001.	5.149
478.	13.21	2002.	5.151
479.	13.21	2003.	5.124
480.	13.27	2004.	5.122
481.	13.25	2005.	5.141
482.	13.24	2006.	5.115
483.	13.29	2007.	5.109
484.	13.24	2008.	5.066
485.	13.26	2009.	5.084
486.	13.29	2010.	5.078
487.	13.32	2011.	5.066
488.	13.35	2012.	5.073
489.	13.33	2013.	5.087
490.	13.39	2014.	5.091
491.	13.31	2015.	5.05
492.	13.37	2016.	5.054
493.	13.37	2017.	5.052
494.	13.39	2018.	5.023

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	13.4	2019.	5.056
496.	13.38	2020.	5.023
497.	13.42	2021.	5.02
498.	13.42	2022.	5.018
499.	13.4	2023.	5.034
500.	13.46	2024.	5.047
501.	13.44	2025.	5.001
502.	13.45	2026.	5.016
503.	13.47	2027.	4.978
504.	13.48	2028.	5.021
505.	13.48	2029.	4.984
506.	13.48	2030.	4.988
507.	13.53	2031.	4.965
508.	13.52	2032.	5.004
509.	13.52	2033.	4.972
510.	13.47	2034.	4.982
511.	13.54	2035.	4.941
512.	13.54	2036.	4.959
513.	13.56	2037.	4.936
514.	13.56	2038.	4.947
515.	13.57	2039.	4.927
516.	13.59	2040.	4.915
517.	13.56	2041.	4.92
518.	13.61	2042.	4.905
519.	13.62	2043.	4.91
520.	13.62	2044.	4.899
521.	13.62	2045.	4.886
522.	13.68	2046.	4.865
523.	13.67	2047.	4.899
524.	13.68	2048.	4.883
525.	13.66	2049.	4.899
526.	13.67	2050.	4.852
527.	13.68	2051.	4.865
528.	13.68	2052.	4.871
529.	13.7	2053.	4.85
530.	13.73	2054.	4.854
531.	13.72	2055.	4.851
532.	13.73	2056.	4.856
533.	13.76	2057.	4.835
534.	13.75	2058.	4.794
535.	13.77	2059.	4.81
536.	13.76	2060.	4.821
537.	13.75	2061.	4.827
538.	13.76	2062.	4.796
539.	13.81	2063.	4.825
540.	13.81	2064.	4.799
541.	13.82	2065.	4.793
542.	13.82	2066.	4.794
543.	13.84	2067.	4.779
544.	13.81	2068.	4.807
545.	13.84	2069.	4.785
546.	13.87	2070.	4.779
547.	13.87	2071.	4.803
548.	13.86	2072.	4.768
549.	13.86	2073.	4.771
550.	13.88	2074.	4.765
551.	13.86	2075.	4.775
552.	13.91	2076.	4.738
553.	13.92	2077.	4.702
554.	13.92	2078.	4.695
555.	13.93	2079.	4.698
556.	13.94	2080.	4.704
557.	13.96	2081.	4.718
558.	13.97	2082.	4.728
559.	13.98	2083.	4.722
560.	13.93	2084.	4.733

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	14.	2085.	4.721
562.	13.98	2086.	4.708
563.	13.98	2087.	4.707
564.	13.99	2088.	4.695
565.	14.	2089.	4.725
566.	14.02	2090.	4.671
567.	14.02	2091.	4.712
568.	14.02	2092.	4.686
569.	14.01	2093.	4.651
570.	14.06	2094.	4.658
571.	14.05	2095.	4.665
572.	14.06	2096.	4.66
573.	14.09	2097.	4.647
574.	14.11	2098.	4.64
575.	14.08	2099.	4.625
576.	14.1	2100.	4.653
577.	14.12	2101.	4.649
578.	14.13	2102.	4.62
579.	14.12	2103.	4.632
580.	14.1	2104.	4.605
581.	14.15	2105.	4.62
582.	14.14	2106.	4.637
583.	14.12	2107.	4.585
584.	14.15	2108.	4.588
585.	14.17	2109.	4.579
586.	14.16	2110.	4.617
587.	14.19	2111.	4.587
588.	14.17	2112.	4.544
589.	14.21	2113.	4.598
590.	14.19	2114.	4.573
591.	14.2	2115.	4.599
592.	14.22	2116.	4.601
593.	14.24	2117.	4.594
594.	14.22	2118.	4.538
595.	14.22	2119.	4.568
596.	14.23	2120.	4.573
597.	14.28	2121.	4.545
598.	14.25	2122.	4.55
599.	14.26	2123.	4.543
600.	14.27	2124.	4.513
601.	14.28	2125.	4.576
602.	14.29	2126.	4.506
603.	14.25	2127.	4.5
604.	14.31	2128.	4.516
605.	14.31	2129.	4.538
606.	14.32	2130.	4.517
607.	14.32	2131.	4.518
608.	14.34	2132.	4.511
609.	14.35	2133.	4.502
610.	14.37	2134.	4.498
611.	14.33	2135.	4.442
612.	14.37	2136.	4.516
613.	14.36	2137.	4.486
614.	14.36	2138.	4.47
615.	14.38	2139.	4.464
616.	14.4	2140.	4.448
617.	14.38	2141.	4.47
618.	14.41	2142.	4.468
619.	14.44	2143.	4.448
620.	14.45	2144.	4.452
621.	14.42	2145.	4.486
622.	14.43	2146.	4.464
623.	14.48	2147.	4.442
624.	14.45	2148.	4.421
625.	14.46	2149.	4.438
626.	14.48	2150.	4.415

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	14.48	2151.	4.426
628.	14.47	2152.	4.405
629.	14.48	2153.	4.413
630.	14.51	2154.	4.424
631.	14.51	2155.	4.412
632.	14.53	2156.	4.378
633.	14.56	2157.	4.407
634.	14.52	2158.	4.417
635.	14.49	2159.	4.387
636.	14.54	2160.	4.409
637.	14.56	2161.	4.372
638.	14.53	2162.	4.374
639.	14.55	2163.	4.377
640.	14.55	2164.	4.391
641.	14.56	2165.	4.353
642.	14.56	2166.	4.37
643.	14.6	2167.	4.378
644.	14.6	2168.	4.328
645.	14.58	2169.	4.359
646.	14.6	2170.	4.335
647.	14.61	2171.	4.365
648.	14.63	2172.	4.38
649.	14.64	2173.	4.348
650.	14.66	2174.	4.332
651.	14.63	2175.	4.358
652.	14.64	2176.	4.318
653.	14.63	2177.	4.307
654.	14.69	2178.	4.315
655.	14.67	2179.	4.304
656.	14.67	2180.	4.314
657.	14.67	2181.	4.311
658.	14.71	2182.	4.296
659.	14.69	2183.	4.302
660.	14.7	2184.	4.292
661.	14.71	2185.	4.31
662.	14.71	2186.	4.309
663.	14.72	2187.	4.302
664.	14.72	2188.	4.309
665.	14.74	2189.	4.277
666.	14.76	2190.	4.272
667.	14.75	2191.	4.268
668.	14.78	2192.	4.289
669.	14.74	2193.	4.264
670.	14.76	2194.	4.28
671.	14.77	2195.	4.262
672.	14.73	2196.	4.232
673.	14.75	2197.	4.245
674.	14.81	2198.	4.245
675.	14.78	2199.	4.232
676.	14.82	2200.	4.261
677.	14.81	2201.	4.229
678.	14.83	2202.	4.23
679.	14.81	2203.	4.258
680.	14.87	2204.	4.228
681.	14.84	2205.	4.186
682.	14.86	2206.	4.214
683.	14.83	2207.	4.178
684.	14.87	2208.	4.249
685.	14.87	2209.	4.216
686.	14.87	2210.	4.197
687.	14.92	2211.	4.223
688.	14.9	2212.	4.181
689.	14.9	2213.	4.197
690.	14.91	2214.	4.185
691.	14.94	2215.	4.202
692.	14.91	2216.	4.192

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	14.92	2217.	4.202
694.	14.95	2218.	4.161
695.	14.98	2219.	4.206
696.	14.93	2220.	4.178
697.	14.94	2221.	4.163
698.	14.93	2222.	4.161
699.	14.93	2223.	4.142
700.	14.95	2224.	4.166
701.	14.95	2225.	4.149
702.	14.97	2226.	4.137
703.	14.96	2227.	4.17
704.	14.98	2228.	4.152
705.	15.	2229.	4.159
706.	15.01	2230.	4.141
707.	15.01	2231.	4.172
708.	15.03	2232.	4.166
709.	15.	2233.	4.116
710.	15.02	2234.	4.115
711.	15.01	2235.	4.116
712.	15.02	2236.	4.1
713.	15.06	2237.	4.126
714.	15.07	2238.	4.101
715.	15.05	2239.	4.091
716.	15.05	2240.	4.125
717.	15.06	2241.	4.069
718.	15.09	2242.	4.091
719.	15.07	2243.	4.105
720.	15.1	2244.	4.062
721.	15.09	2245.	4.085
722.	15.14	2246.	4.108
723.	15.12	2247.	4.101
724.	15.13	2248.	4.064
725.	15.11	2249.	4.079
726.	15.12	2250.	4.052
727.	15.12	2251.	4.064
728.	15.2	2252.	4.058
729.	15.16	2253.	4.06
730.	15.16	2254.	4.038
731.	15.18	2255.	4.069
732.	15.13	2256.	4.04
733.	15.2	2257.	4.054
734.	15.19	2258.	4.044
735.	15.2	2259.	4.023
736.	15.19	2260.	4.021
737.	15.18	2261.	4.032
738.	15.18	2262.	4.054
739.	15.22	2263.	4.047
740.	15.23	2264.	4.
741.	15.21	2265.	3.977
742.	15.22	2266.	4.031
743.	15.25	2267.	4.018
744.	15.22	2268.	4.017
745.	15.25	2269.	3.99
746.	15.27	2270.	3.999
747.	15.25	2271.	4.026
748.	15.25	2272.	3.999
749.	15.29	2273.	3.993
750.	15.29	2274.	4.003
751.	15.27	2275.	3.986
752.	15.28	2276.	4.
753.	15.27	2277.	3.98
754.	15.32	2278.	3.96
755.	15.29	2279.	3.987
756.	15.31	2280.	4.006
757.	15.32	2281.	3.989
758.	15.31	2282.	3.965

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	15.35	2283.	3.997
760.	15.31	2284.	3.968
761.	15.35	2285.	3.955
762.	15.35	2286.	3.951
763.	15.36	2287.	3.961
764.	15.33	2288.	3.968
765.	15.37	2289.	3.93
766.	15.36	2290.	3.96
767.	15.37	2291.	3.968
768.	15.38	2292.	3.956
769.	15.4	2293.	3.929
770.	15.41	2294.	3.914
771.	15.41	2295.	3.943
772.	15.4	2296.	3.933
773.	15.44	2297.	3.922
774.	15.42	2298.	3.928
775.	15.42	2299.	3.899
776.	15.44	2300.	3.915
777.	15.47	2301.	3.937
778.	15.45	2302.	3.925
779.	15.44	2303.	3.896
780.	15.48	2304.	3.922
781.	15.46	2305.	3.88
782.	15.49	2306.	3.927
783.	15.48	2307.	3.911
784.	15.48	2308.	3.903
785.	15.49	2309.	3.9
786.	15.48	2310.	3.866
787.	15.48	2311.	3.872
788.	15.49	2312.	3.907
789.	15.51	2313.	3.854
790.	15.51	2314.	3.879
791.	15.51	2315.	3.881
792.	15.54	2316.	3.859
793.	15.52	2317.	3.861
794.	15.53	2318.	3.907
795.	15.56	2319.	3.864
796.	15.55	2320.	3.836
797.	15.54	2321.	3.87
798.	15.55	2322.	3.865
799.	15.61	2323.	3.835
800.	15.6	2324.	3.842
801.	15.59	2325.	3.827
802.	15.56	2326.	3.837
803.	15.57	2327.	3.835
804.	15.6	2328.	3.821
805.	15.63	2329.	3.824
806.	15.57	2330.	3.824
807.	15.62	2331.	3.824
808.	15.6	2332.	3.846
809.	15.63	2333.	3.83
810.	15.59	2334.	3.865
811.	15.64	2335.	3.799
812.	15.62	2336.	3.816
813.	15.64	2337.	3.813
814.	15.63	2338.	3.798
815.	15.65	2339.	3.791
816.	15.66	2340.	3.794
817.	15.69	2341.	3.783
818.	15.66	2342.	3.799
819.	15.7	2343.	3.786
820.	15.68	2344.	3.777
821.	15.67	2345.	3.787
822.	15.71	2346.	3.796
823.	15.73	2347.	3.783
824.	15.67	2348.	3.76

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	15.7	2349.	3.795
826.	15.71	2350.	3.793
827.	15.74	2351.	3.772
828.	15.73	2352.	3.765
829.	15.75	2353.	3.732
830.	15.72	2354.	3.738
831.	15.75	2355.	3.778
832.	15.73	2356.	3.764
833.	15.76	2357.	3.748
834.	15.75	2358.	3.754
835.	15.78	2359.	3.747
836.	15.76	2360.	3.749
837.	15.74	2361.	3.759
838.	15.8	2362.	3.748
839.	15.79	2363.	3.756
840.	15.81	2364.	3.758
841.	15.81	2365.	3.723
842.	15.8	2366.	3.719
843.	15.79	2367.	3.7
844.	15.79	2368.	3.726
845.	15.82	2369.	3.697
846.	15.84	2370.	3.724
847.	15.83	2371.	3.693
848.	15.83	2372.	3.715
849.	15.83	2373.	3.711
850.	15.8	2374.	3.681
851.	15.84	2375.	3.684
852.	15.85	2376.	3.712
853.	15.87	2377.	3.692
854.	15.86	2378.	3.667
855.	15.88	2379.	3.712
856.	15.87	2380.	3.704
857.	15.88	2381.	3.702
858.	15.88	2382.	3.711
859.	15.89	2383.	3.684
860.	15.88	2384.	3.675
861.	15.86	2385.	3.709
862.	15.91	2386.	3.666
863.	15.92	2387.	3.689
864.	15.91	2388.	3.685
865.	15.94	2389.	3.669
866.	15.91	2390.	3.643
867.	15.94	2391.	3.657
868.	15.93	2392.	3.665
869.	15.92	2393.	3.647
870.	15.94	2394.	3.663
871.	15.95	2395.	3.662
872.	15.97	2396.	3.676
873.	15.95	2397.	3.658
874.	15.97	2398.	3.642
875.	15.97	2399.	3.635
876.	15.98	2400.	3.626
877.	15.98	2401.	3.622
878.	15.99	2402.	3.629
879.	15.98	2403.	3.612
880.	16.01	2404.	3.617
881.	15.96	2405.	3.637
882.	15.99	2406.	3.595
883.	16.02	2407.	3.627
884.	16.02	2408.	3.617
885.	16.03	2409.	3.587
886.	16.05	2410.	3.641
887.	16.01	2411.	3.588
888.	16.06	2412.	3.598
889.	16.04	2413.	3.572
890.	16.04	2414.	3.61

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	16.06	2415.	3.616
892.	16.09	2416.	3.593
893.	16.1	2417.	3.612
894.	16.08	2418.	3.6
895.	16.08	2419.	3.592
896.	16.09	2420.	3.584
897.	16.1	2421.	3.589
898.	16.08	2422.	3.549
899.	16.12	2423.	3.59
900.	16.09	2424.	3.58
901.	16.1	2425.	3.574
902.	16.11	2426.	3.565
903.	16.13	2427.	3.542
904.	16.14	2428.	3.532
905.	16.13	2429.	3.573
906.	16.09	2430.	3.576
907.	16.13	2431.	3.563
908.	16.11	2432.	3.556
909.	16.18	2433.	3.579
910.	16.15	2434.	3.561
911.	16.15	2435.	3.587
912.	16.16	2436.	3.57
913.	16.18	2437.	3.547
914.	16.18	2438.	3.536
915.	16.18	2439.	3.492
916.	16.18	2440.	3.52
917.	16.19	2441.	3.552
918.	16.17	2442.	3.54
919.	16.22	2443.	3.523
920.	16.19	2444.	3.523
921.	16.2	2445.	3.493
922.	16.21	2446.	3.507
923.	16.21	2447.	3.511
924.	16.21	2448.	3.496
925.	16.21	2449.	3.513
926.	16.26	2450.	3.497
927.	16.19	2451.	3.501
928.	16.25	2452.	3.498
929.	16.22	2453.	3.511
930.	16.23	2454.	3.498
931.	16.23	2455.	3.515
932.	16.27	2456.	3.531
933.	16.24	2457.	3.514
934.	16.28	2458.	3.48
935.	16.27	2459.	3.486
936.	16.28	2460.	3.484
937.	16.27	2461.	3.448
938.	16.29	2462.	3.473
939.	16.27	2463.	3.491
940.	16.28	2464.	3.488
941.	16.28	2465.	3.471
942.	16.28	2466.	3.487
943.	16.31	2467.	3.434
944.	16.33	2468.	3.435
945.	16.29	2469.	3.447
946.	16.31	2470.	3.456
947.	16.33	2471.	3.465
948.	16.31	2472.	3.437
949.	16.36	2473.	3.447
950.	16.37	2474.	3.45
951.	16.33	2475.	3.425
952.	16.36	2476.	3.432
953.	16.32	2477.	3.464
954.	16.33	2478.	3.401
955.	16.33	2479.	3.445
956.	16.38	2480.	3.437

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	16.34	2481.	3.438
958.	16.39	2482.	3.385
959.	16.38	2483.	3.404
960.	16.39	2484.	3.43
961.	16.37	2485.	3.426
962.	16.37	2486.	3.434
963.	16.41	2487.	3.408
964.	16.37	2488.	3.392
965.	16.41	2489.	3.38
966.	16.42	2490.	3.395
967.	16.39	2491.	3.424
968.	16.38	2492.	3.411
969.	16.41	2493.	3.391
970.	16.42	2494.	3.416
971.	16.41	2495.	3.395
972.	16.43	2496.	3.398
973.	16.49	2497.	3.399
974.	16.44	2498.	3.347
975.	16.47	2499.	3.385
976.	16.45	2500.	3.382
977.	16.46	2501.	3.389
978.	16.46	2502.	3.382
979.	16.47	2503.	3.353
980.	16.46	2504.	3.368
981.	16.5	2505.	3.351
982.	16.47	2506.	3.385
983.	16.49	2507.	3.371
984.	16.48	2508.	3.351
985.	16.5	2509.	3.33
986.	16.5	2510.	3.35
987.	16.49	2511.	3.356
988.	16.49	2512.	3.331
989.	16.5	2513.	3.375
990.	16.49	2514.	3.333
991.	16.49	2515.	3.339
992.	16.53	2516.	3.309
993.	16.54	2517.	3.298
994.	16.54	2518.	3.317
995.	16.53	2519.	3.341
996.	16.55	2520.	3.345
997.	16.56	2521.	3.387
998.	16.53	2522.	3.305
999.	16.53	2523.	3.348
1000.	16.53	2524.	3.332
1001.	16.54	2525.	3.329
1002.	16.56	2526.	3.31
1003.	16.56	2527.	3.296
1004.	16.6	2528.	3.3
1005.	16.57	2529.	3.312
1006.	16.6	2530.	3.311
1007.	16.6	2531.	3.298
1008.	16.55	2532.	3.273
1009.	16.59	2533.	3.293
1010.	16.58	2534.	3.281
1011.	16.59	2535.	3.339
1012.	16.6	2536.	3.292
1013.	16.62	2537.	3.287
1014.	16.62	2538.	3.3
1015.	16.61	2539.	3.252
1016.	16.62	2540.	3.284
1017.	16.62	2541.	3.246
1018.	16.63	2542.	3.25
1019.	16.62	2543.	3.301
1020.	16.62	2544.	3.277
1021.	16.65	2545.	3.291
1022.	16.64	2546.	3.269

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	16.65	2547.	3.271
1024.	16.66	2548.	3.253
1025.	16.63	2549.	3.243
1026.	16.66	2550.	3.269
1027.	16.69	2551.	3.282
1028.	16.66	2552.	3.251
1029.	16.65	2553.	3.216
1030.	16.68	2554.	3.262
1031.	16.64	2555.	3.233
1032.	16.7	2556.	3.278
1033.	16.72	2557.	3.229
1034.	16.69	2558.	3.205
1035.	16.69	2559.	3.265
1036.	16.71	2560.	3.25
1037.	16.7	2561.	3.245
1038.	16.73	2562.	3.234
1039.	16.7	2563.	3.226
1040.	16.72	2564.	3.21
1041.	16.74	2565.	3.229
1042.	16.73	2566.	3.243
1043.	16.72	2567.	3.233
1044.	16.73	2568.	3.204
1045.	16.73	2569.	3.224
1046.	16.75	2570.	3.211
1047.	16.77	2571.	3.253
1048.	16.73	2572.	3.211
1049.	16.76	2573.	3.168
1050.	16.76	2574.	3.196
1051.	16.76	2575.	3.211
1052.	16.78	2576.	3.198
1053.	16.75	2577.	3.185
1054.	16.75	2578.	3.197
1055.	16.78	2579.	3.2
1056.	16.83	2580.	3.178
1057.	16.77	2581.	3.17
1058.	16.78	2582.	3.146
1059.	16.78	2583.	3.157
1060.	16.78	2584.	3.189
1061.	16.78	2585.	3.194
1062.	16.8	2586.	3.151
1063.	16.81	2587.	3.201
1064.	16.8	2588.	3.198
1065.	16.85	2589.	3.159
1066.	16.81	2590.	3.173
1067.	16.81	2591.	3.164
1068.	16.8	2592.	3.162
1069.	16.84	2593.	3.167
1070.	16.85	2594.	3.171
1071.	16.84	2595.	3.162
1072.	16.79	2596.	3.167
1073.	16.85	2597.	3.103
1074.	16.87	2598.	3.129
1075.	16.81	2599.	3.178
1076.	16.82	2600.	3.12
1077.	16.86	2601.	3.135
1078.	16.88	2602.	3.163
1079.	16.87	2603.	3.145
1080.	16.84	2604.	3.123
1081.	16.85	2605.	3.143
1082.	16.87	2606.	3.134
1083.	16.87	2607.	3.089
1084.	16.88	2608.	3.106
1085.	16.88	2609.	3.128
1086.	16.89	2610.	3.133
1087.	16.87	2611.	3.136
1088.	16.94	2612.	3.098

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	16.93	2613.	3.099
1090.	16.93	2614.	3.11
1091.	16.88	2615.	3.122
1092.	16.93	2616.	3.104
1093.	16.95	2617.	3.094
1094.	16.9	2618.	3.094
1095.	16.92	2619.	3.088
1096.	16.92	2620.	3.122
1097.	16.94	2621.	3.087
1098.	16.95	2622.	3.104
1099.	16.95	2623.	3.091
1100.	16.92	2624.	3.088
1101.	16.94	2625.	3.063
1102.	16.95	2626.	3.071
1103.	16.96	2627.	3.101
1104.	16.98	2628.	3.07
1105.	16.95	2629.	3.075
1106.	16.95	2630.	3.081
1107.	16.99	2631.	3.079
1108.	16.96	2632.	3.053
1109.	16.99	2633.	3.065
1110.	17.02	2634.	3.045
1111.	16.98	2635.	3.075
1112.	17.03	2636.	3.019
1113.	17.	2637.	3.056
1114.	17.01	2638.	3.049
1115.	16.99	2639.	3.063
1116.	17.	2640.	3.05
1117.	17.01	2641.	3.045
1118.	17.	2642.	3.063
1119.	17.	2643.	3.058
1120.	17.02	2644.	3.043
1121.	17.08	2645.	3.067
1122.	17.03	2646.	3.018
1123.	17.04	2647.	3.015
1124.	17.02	2648.	3.024
1125.	17.02	2649.	3.057
1126.	17.04	2650.	3.049
1127.	17.02	2651.	3.003
1128.	17.06	2652.	3.058
1129.	17.04	2653.	3.018
1130.	17.09	2654.	3.048
1131.	17.07	2655.	3.01
1132.	17.04	2656.	2.989
1133.	17.04	2657.	3.001
1134.	17.06	2658.	3.021
1135.	17.06	2659.	2.994
1136.	17.07	2660.	3.01
1137.	17.11	2661.	3.004
1138.	17.09	2662.	3.013
1139.	17.09	2663.	3.02
1140.	17.11	2664.	3.005
1141.	17.11	2665.	3.008
1142.	17.11	2666.	2.997
1143.	17.11	2667.	3.015
1144.	17.12	2668.	2.971
1145.	17.11	2669.	2.999
1146.	17.13	2670.	2.992
1147.	17.11	2671.	3.011
1148.	17.14	2672.	2.981
1149.	17.11	2673.	3.004
1150.	17.16	2674.	2.968
1151.	17.08	2675.	2.967
1152.	17.11	2676.	2.984
1153.	17.16	2677.	2.993
1154.	17.14	2678.	2.999

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	17.14	2679.	2.969
1156.	17.16	2680.	2.983
1157.	17.14	2681.	2.978
1158.	17.13	2682.	3.012
1159.	17.14	2683.	2.964
1160.	17.17	2684.	2.95
1161.	17.16	2685.	2.985
1162.	17.18	2686.	2.969
1163.	17.17	2687.	2.947
1164.	17.16	2688.	2.948
1165.	17.15	2689.	2.982
1166.	17.18	2690.	2.938
1167.	17.19	2691.	2.935
1168.	17.2	2692.	2.933
1169.	17.19	2693.	2.949
1170.	17.24	2694.	2.922
1171.	17.2	2695.	2.953
1172.	17.19	2696.	2.951
1173.	17.21	2697.	2.918
1174.	17.21	2698.	2.928
1175.	17.2	2699.	2.925
1176.	17.21	2700.	2.947
1177.	17.24	2701.	2.903
1178.	17.22	2702.	2.931
1179.	17.2	2703.	2.918
1180.	17.21	2704.	2.907
1181.	17.23	2705.	2.918
1182.	17.21	2706.	2.895
1183.	17.2	2707.	2.958
1184.	17.17	2708.	2.915
1185.	17.16	2709.	2.936
1186.	17.16	2710.	2.914
1187.	17.13	2711.	2.904
1188.	17.12	2712.	2.935
1189.	17.09	2713.	2.913
1190.	17.09	2714.	2.947
1191.	17.07	2715.	2.882
1192.	17.08	2716.	2.886
1193.	17.07	2717.	2.906
1194.	17.04	2718.	2.926
1195.	17.02	2719.	2.899
1196.	17.01	2720.	2.915
1197.	17.	2721.	2.9
1198.	16.99	2722.	2.909
1199.	16.96	2723.	2.915
1200.	16.96	2724.	2.878
1201.	16.96	2725.	2.885
1202.	16.94	2726.	2.868
1203.	16.91	2727.	2.892
1204.	16.93	2728.	2.878
1205.	16.9	2729.	2.842
1206.	16.87	2730.	2.88
1207.	16.87	2731.	2.881
1208.	16.87	2732.	2.88
1209.	16.88	2733.	2.862
1210.	16.87	2734.	2.876
1211.	16.84	2735.	2.863
1212.	16.81	2736.	2.856
1213.	16.82	2737.	2.879
1214.	16.81	2738.	2.87
1215.	16.87	2739.	2.866
1216.	16.82	2740.	2.871
1217.	16.78	2741.	2.848
1218.	16.79	2742.	2.853
1219.	16.78	2743.	2.858
1220.	16.77	2744.	2.882

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	16.78	2745.	2.861
1222.	16.79	2746.	2.867
1223.	16.74	2747.	2.856
1224.	16.75	2748.	2.851
1225.	16.72	2749.	2.856
1226.	16.73	2750.	2.797
1227.	16.77	2751.	2.83
1228.	16.78	2752.	2.85
1229.	16.77	2753.	2.805
1230.	16.75	2754.	2.853
1231.	16.78	2755.	2.849
1232.	16.79	2756.	2.819
1233.	16.79	2757.	2.821
1234.	16.81	2758.	2.806
1235.	16.83	2759.	2.856
1236.	16.82	2760.	2.842
1237.	16.81	2761.	2.798
1238.	16.84	2762.	2.808
1239.	16.85	2763.	2.828
1240.	16.86	2764.	2.813
1241.	16.88	2765.	2.823
1242.	16.88	2766.	2.769
1243.	16.9	2767.	2.796
1244.	16.91	2768.	2.788
1245.	16.92	2769.	2.825
1246.	16.89	2770.	2.78
1247.	16.9	2771.	2.803
1248.	16.94	2772.	2.776
1249.	16.97	2773.	2.802
1250.	16.94	2774.	2.786
1251.	16.98	2775.	2.777
1252.	16.97	2776.	2.804
1253.	16.98	2777.	2.781
1254.	16.98	2778.	2.782
1255.	17.01	2779.	2.799
1256.	16.98	2780.	2.789
1257.	17.01	2781.	2.779
1258.	17.03	2782.	2.751
1259.	17.05	2783.	2.774
1260.	17.07	2784.	2.742
1261.	17.06	2785.	2.749
1262.	17.06	2786.	2.748
1263.	17.1	2787.	2.777
1264.	17.04	2788.	2.761
1265.	17.04	2789.	2.753
1266.	17.09	2790.	2.763
1267.	17.13	2791.	2.77
1268.	17.1	2792.	2.726
1269.	17.07	2793.	2.775
1270.	17.15	2794.	2.764
1271.	17.11	2795.	2.759
1272.	17.16	2796.	2.754
1273.	17.14	2797.	2.734
1274.	17.14	2798.	2.767
1275.	17.14	2799.	2.739
1276.	17.21	2800.	2.735
1277.	17.18	2801.	2.751
1278.	17.17	2802.	2.75
1279.	17.18	2803.	2.731
1280.	17.19	2804.	2.74
1281.	17.16	2805.	2.735
1282.	17.21	2806.	2.72
1283.	17.19	2807.	2.727
1284.	17.22	2808.	2.706
1285.	17.2	2809.	2.736
1286.	17.2	2810.	2.734

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	17.23	2811.	2.712
1288.	17.23	2812.	2.758
1289.	17.21	2813.	2.734
1290.	17.24	2814.	2.727
1291.	17.24	2815.	2.721
1292.	17.23	2816.	2.707
1293.	17.28	2817.	2.719
1294.	17.24	2818.	2.726
1295.	17.27	2819.	2.729
1296.	17.27	2820.	2.719
1297.	17.29	2821.	2.715
1298.	17.28	2822.	2.713
1299.	17.27	2823.	2.72
1300.	17.28	2824.	2.696
1301.	17.27	2825.	2.719
1302.	17.3	2826.	2.692
1303.	17.3	2827.	2.697
1304.	17.27	2828.	2.703
1305.	17.34	2829.	2.712
1306.	17.27	2830.	2.727
1307.	17.32	2831.	2.681
1308.	17.28	2832.	2.728
1309.	17.32	2833.	2.706
1310.	17.34	2834.	2.704
1311.	17.32	2835.	2.694
1312.	17.35	2836.	2.704
1313.	17.35	2837.	2.696
1314.	17.35	2838.	2.695
1315.	17.34	2839.	2.701
1316.	17.34	2840.	2.728
1317.	17.37	2841.	2.685
1318.	17.37	2842.	2.695
1319.	17.39	2843.	2.677
1320.	17.38	2844.	2.686
1321.	17.33	2845.	2.658
1322.	17.35	2846.	2.669
1323.	17.4	2847.	2.694
1324.	17.4	2848.	2.686
1325.	17.4	2849.	2.66
1326.	17.4	2850.	2.656
1327.	17.4	2851.	2.668
1328.	17.42	2852.	2.656
1329.	17.4	2853.	2.697
1330.	17.42	2854.	2.625
1331.	17.43	2855.	2.673
1332.	17.44	2856.	2.638
1333.	17.43	2857.	2.641
1334.	17.45	2858.	2.657
1335.	17.44	2859.	2.663
1336.	17.42	2860.	2.639
1337.	17.45	2861.	2.625
1338.	17.45	2862.	2.677
1339.	17.44	2863.	2.607
1340.	17.5	2864.	2.688
1341.	17.43	2865.	2.665
1342.	17.49	2866.	2.634
1343.	17.47	2867.	2.634
1344.	17.49	2868.	2.63
1345.	17.46	2869.	2.645
1346.	17.5	2870.	2.638
1347.	17.52	2871.	2.619
1348.	17.51	2872.	2.655
1349.	17.51	2873.	2.638
1350.	17.52	2874.	2.614
1351.	17.52	2875.	2.576
1352.	17.53	2876.	2.604

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	17.54	2877.	2.588
1354.	17.52	2878.	2.61
1355.	17.52	2879.	2.597
1356.	17.54	2880.	2.618
1357.	17.56	2881.	2.628
1358.	17.53	2882.	2.596
1359.	17.53	2883.	2.591
1360.	17.55	2884.	2.617
1361.	17.55	2885.	2.636
1362.	17.58	2886.	2.603
1363.	17.56	2887.	2.622
1364.	17.57	2888.	2.566
1365.	17.58	2889.	2.606
1366.	17.57	2890.	2.614
1367.	17.54	2891.	2.576
1368.	17.58	2892.	2.61
1369.	17.58	2893.	2.608
1370.	17.56	2894.	2.585
1371.	17.6	2895.	2.579
1372.	17.61	2896.	2.593
1373.	17.61	2897.	2.57
1374.	17.61	2898.	2.578
1375.	17.61	2899.	2.575
1376.	17.64	2900.	2.589
1377.	17.62	2901.	2.562
1378.	17.63	2902.	2.596
1379.	17.61	2903.	2.589
1380.	17.65	2904.	2.62
1381.	17.63	2905.	2.573
1382.	17.65	2906.	2.62
1383.	17.66	2907.	2.584
1384.	17.63	2908.	2.627
1385.	17.62	2909.	2.551
1386.	17.66	2910.	2.603
1387.	17.63	2911.	2.594
1388.	17.68	2912.	2.563
1389.	17.67	2913.	2.589
1390.	17.67	2914.	2.548
1391.	17.68	2915.	2.569
1392.	17.64	2916.	2.569
1393.	17.69	2917.	2.567
1394.	17.67	2918.	2.543
1395.	17.7	2919.	2.588
1396.	17.7	2920.	2.591
1397.	17.71	2921.	2.552
1398.	17.71	2922.	2.534
1399.	17.69	2923.	2.555
1400.	17.71	2924.	2.551
1401.	17.68	2925.	2.561
1402.	17.73	2926.	2.57
1403.	17.7	2927.	2.582
1404.	17.74	2928.	2.558
1405.	17.74	2929.	2.535
1406.	17.72	2930.	2.583
1407.	17.73	2931.	2.547
1408.	17.7	2932.	2.555
1409.	17.74	2933.	2.543
1410.	17.73	2934.	2.542
1411.	17.72	2935.	2.518
1412.	17.74	2936.	2.545
1413.	17.75	2937.	2.551
1414.	17.77	2938.	2.527
1415.	17.78	2939.	2.534
1416.	17.78	2940.	2.531
1417.	17.8	2941.	2.55
1418.	17.75	2942.	2.545

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	17.76	2943.	2.521
1420.	17.74	2944.	2.527
1421.	17.78	2945.	2.555
1422.	17.77	2946.	2.541
1423.	17.78	2947.	2.555
1424.	17.8	2948.	2.516
1425.	17.82	2949.	2.531
1426.	17.78	2950.	2.504
1427.	17.79	2951.	2.53
1428.	17.79	2952.	2.522
1429.	17.83	2953.	2.525
1430.	17.85	2954.	2.505
1431.	17.8	2955.	2.516
1432.	17.82	2956.	2.524
1433.	17.84	2957.	2.489
1434.	17.83	2958.	2.524
1435.	17.83	2959.	2.532
1436.	17.85	2960.	2.511
1437.	17.81	2961.	2.504
1438.	17.82	2962.	2.535
1439.	17.77	2963.	2.5
1440.	17.7	2964.	2.502
1441.	17.67	2965.	2.522
1442.	17.59	2966.	2.515
1443.	17.47	2967.	2.491
1444.	17.4	2968.	2.52
1445.	17.31	2969.	2.498
1446.	17.19	2970.	2.513
1447.	17.11	2971.	2.501
1448.	17.01	2972.	2.48
1449.	16.9	2973.	2.511
1450.	16.8	2974.	2.493
1451.	16.66	2975.	2.486
1452.	16.55	2976.	2.496
1453.	16.47	2977.	2.513
1454.	16.36	2978.	2.479
1455.	16.23	2979.	2.49
1456.	16.13	2980.	2.472
1457.	16.05	2981.	2.482
1458.	15.93	2982.	2.473
1459.	15.86	2983.	2.462
1460.	15.74	2984.	2.466
1461.	15.65	2985.	2.466
1462.	15.55	2986.	2.432
1463.	15.48	2987.	2.468
1464.	15.42	2988.	2.467
1465.	15.32	2989.	2.465
1466.	15.25	2990.	2.466
1467.	15.15	2991.	2.497
1468.	15.1	2992.	2.452
1469.	15.04	2993.	2.465
1470.	14.89	2994.	2.45
1471.	14.86	2995.	2.456
1472.	14.77	2996.	2.465
1473.	14.72	2997.	2.489
1474.	14.64	2998.	2.465
1475.	14.55	2999.	2.467
1476.	14.47	3000.	2.456
1477.	14.45	3001.	2.479
1478.	14.36	3002.	2.477
1479.	14.34	3003.	2.467
1480.	14.24	3004.	2.469
1481.	14.17	3005.	2.495
1482.	14.11	3006.	2.45
1483.	14.05	3007.	2.471
1484.	13.96	3008.	2.456

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	13.93	3009.	2.441
1486.	13.86	3010.	2.458
1487.	13.81	3011.	2.422
1488.	13.73	3012.	2.452
1489.	13.7	3013.	2.463
1490.	13.62	3014.	2.465
1491.	13.56	3015.	2.475
1492.	13.51	3016.	2.416
1493.	13.46	3017.	2.446
1494.	13.41	3018.	2.434
1495.	13.34	3019.	2.439
1496.	13.31	3020.	2.427
1497.	13.23	3021.	2.458
1498.	13.17	3022.	2.426
1499.	13.11	3023.	2.432
1500.	13.06	3024.	2.409
1501.	13.04	3025.	2.441
1502.	12.97	3026.	2.446
1503.	12.94	3027.	2.445
1504.	12.87	3028.	2.468
1505.	12.8	3029.	2.432
1506.	12.77	3030.	2.407
1507.	12.72	3031.	2.432
1508.	12.72	3032.	2.422
1509.	12.65	3033.	2.4
1510.	12.59	3034.	2.41
1511.	12.55	3035.	2.414
1512.	12.54	3036.	2.448
1513.	12.44	3037.	2.433
1514.	12.43	3038.	2.404
1515.	12.36	3039.	2.4
1516.	12.32	3040.	2.424
1517.	12.25	3041.	2.414
1518.	12.24	3042.	2.403
1519.	12.21	3043.	2.431
1520.	12.12	3044.	2.418
1521.	12.09	3045.	2.416
1522.	12.07	3046.	2.403
1523.	12.01	3047.	2.368
1524.	11.99	3048.	2.432

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1349.3	ft^2/day
S	3.839E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.87 ft/day (0.00595 cm/sec)
Ss = S/b = 4.799E-7 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1336.5	2.124	+/- 4.166	629.1	ft^2/day

S	0.0001284	5.894E-7	+/- 1.156E-6	217.9	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.71 ft/day (0.005894 cm/sec)
Ss = S/b = 1.605E-6 1/ft

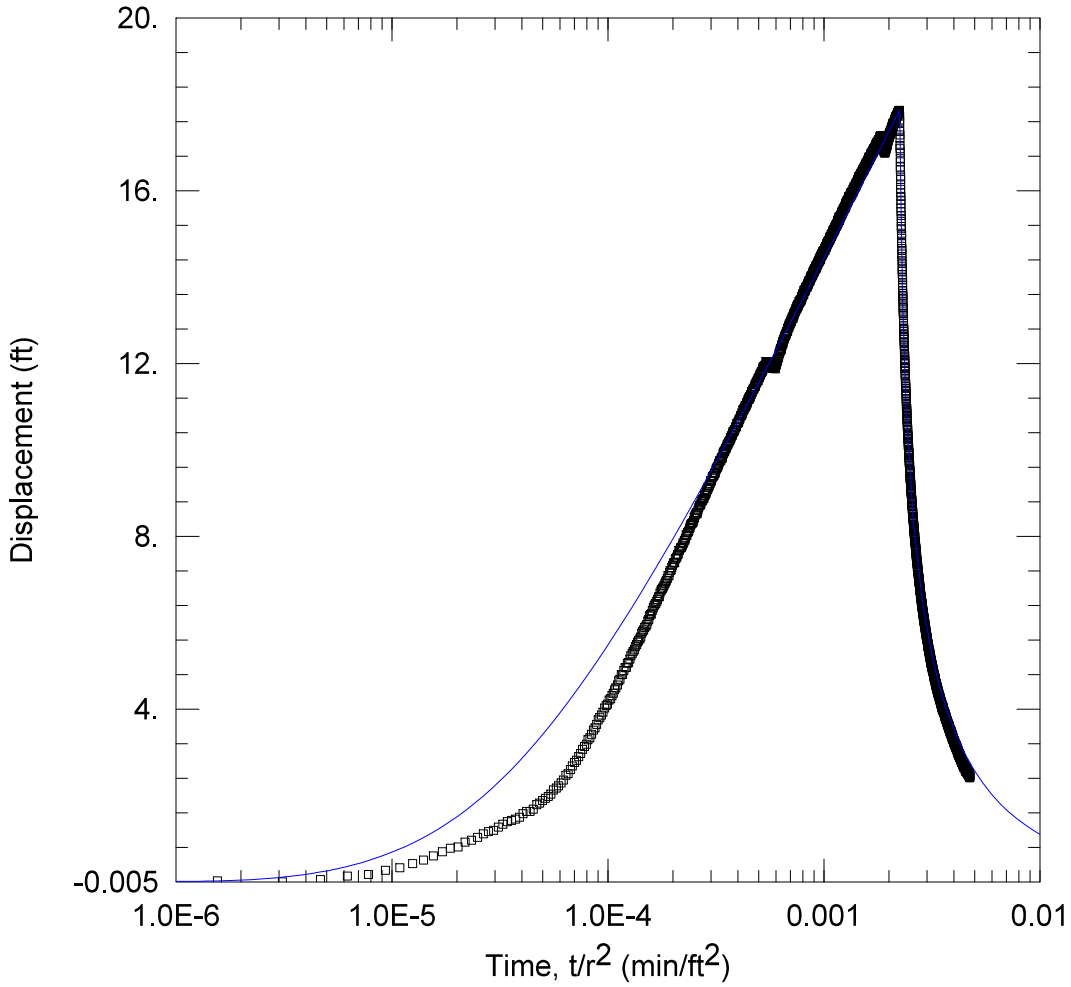
Parameter Correlations

	T	S
T	1.00	-0.87
S	-0.87	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 381.6 ft^2
Variance . . . . . 0.1253 ft^2
Std. Deviation . . . . . 0.354 ft
Mean . . . . . -0.1256 ft
No. of Residuals 3048
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW27.aqt
Date: 04/11/25 Time: 12:11:04

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW27	883	1536

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1338.4 ft^2/day
S = 0.0001212
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:21:10

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW27

X Location: 883. ft
Y Location: 1536. ft

Radial distance from BM 1B: 801.1547915 ft
Radial distance from BM2A: 895.9045708 ft
Radial distance from BM3: 847.6821338 ft
Radial distance from BM 4 : 709.1861533 ft
Radial distance from BM5: 431.149626 ft
Radial distance from BM 6: 273.8923146 ft
Radial distance from BM7: 541.9197358 ft
Radial distance from BM9: 1184.676327 ft

Fully Penetrating Well

No. of Observations: 3042

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.01702	1522.	12.
2.	-0.004396	1523.	12.03
3.	0.04335	1524.	11.94
4.	0.1255	1525.	11.9
5.	0.1672	1526.	11.89
6.	0.2604	1527.	11.82
7.	0.3233	1528.	11.77
8.	0.4205	1529.	11.73
9.	0.4995	1530.	11.71
10.	0.5917	1531.	11.69
11.	0.6932	1532.	11.65
12.	0.7755	1533.	11.59
13.	0.8036	1534.	11.55
14.	0.9133	1535.	11.47
15.	0.9578	1536.	11.54
16.	1.025	1537.	11.46
17.	1.104	1538.	11.42
18.	1.158	1539.	11.37
19.	1.188	1540.	11.36
20.	1.259	1541.	11.29
21.	1.332	1542.	11.31
22.	1.387	1543.	11.26
23.	1.419	1544.	11.19
24.	1.444	1545.	11.18
25.	1.49	1546.	11.13
26.	1.574	1547.	11.12
27.	1.625	1548.	11.06
28.	1.627	1549.	11.04
29.	1.673	1550.	11.
30.	1.779	1551.	10.96
31.	1.819	1552.	10.95
32.	1.878	1553.	10.91

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.926	1554.	10.89
34.	1.974	1555.	10.85
35.	2.025	1556.	10.82
36.	2.124	1557.	10.79
37.	2.164	1558.	10.74
38.	2.218	1559.	10.73
39.	2.288	1560.	10.68
40.	2.349	1561.	10.65
41.	2.464	1562.	10.65
42.	2.499	1563.	10.59
43.	2.594	1564.	10.55
44.	2.678	1565.	10.53
45.	2.759	1566.	10.53
46.	2.814	1567.	10.51
47.	2.889	1568.	10.45
48.	2.97	1569.	10.45
49.	3.06	1570.	10.39
50.	3.126	1571.	10.36
51.	3.184	1572.	10.33
52.	3.284	1573.	10.3
53.	3.329	1574.	10.29
54.	3.409	1575.	10.25
55.	3.506	1576.	10.24
56.	3.556	1577.	10.19
57.	3.642	1578.	10.17
58.	3.747	1579.	10.16
59.	3.794	1580.	10.14
60.	3.854	1581.	10.08
61.	3.919	1582.	10.09
62.	4.016	1583.	10.06
63.	4.08	1584.	10.04
64.	4.107	1585.	9.991
65.	4.2	1586.	9.963
66.	4.234	1587.	9.904
67.	4.306	1588.	9.929
68.	4.358	1589.	9.928
69.	4.439	1590.	9.868
70.	4.483	1591.	9.812
71.	4.551	1592.	9.863
72.	4.649	1593.	9.811
73.	4.682	1594.	9.782
74.	4.789	1595.	9.731
75.	4.793	1596.	9.735
76.	4.882	1597.	9.703
77.	4.95	1598.	9.686
78.	4.965	1599.	9.653
79.	5.059	1600.	9.639
80.	5.077	1601.	9.637
81.	5.152	1602.	9.561
82.	5.223	1603.	9.574
83.	5.281	1604.	9.549
84.	5.319	1605.	9.522
85.	5.367	1606.	9.501
86.	5.438	1607.	9.484
87.	5.484	1608.	9.467
88.	5.541	1609.	9.431
89.	5.579	1610.	9.376
90.	5.615	1611.	9.388
91.	5.664	1612.	9.312
92.	5.754	1613.	9.346
93.	5.798	1614.	9.327
94.	5.829	1615.	9.308
95.	5.883	1616.	9.28
96.	5.918	1617.	9.259
97.	5.953	1618.	9.257
98.	6.039	1619.	9.219

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	6.072	1620.	9.205
100.	6.152	1621.	9.189
101.	6.187	1622.	9.171
102.	6.202	1623.	9.104
103.	6.284	1624.	9.136
104.	6.338	1625.	9.077
105.	6.393	1626.	9.058
106.	6.427	1627.	9.055
107.	6.446	1628.	9.014
108.	6.486	1629.	8.98
109.	6.534	1630.	9.022
110.	6.594	1631.	8.993
111.	6.602	1632.	8.957
112.	6.683	1633.	8.933
113.	6.731	1634.	8.896
114.	6.774	1635.	8.899
115.	6.79	1636.	8.897
116.	6.824	1637.	8.849
117.	6.869	1638.	8.851
118.	6.91	1639.	8.837
119.	6.943	1640.	8.811
120.	6.973	1641.	8.789
121.	7.021	1642.	8.769
122.	7.088	1643.	8.742
123.	7.075	1644.	8.716
124.	7.159	1645.	8.71
125.	7.204	1646.	8.688
126.	7.21	1647.	8.685
127.	7.273	1648.	8.626
128.	7.326	1649.	8.674
129.	7.377	1650.	8.606
130.	7.393	1651.	8.593
131.	7.384	1652.	8.579
132.	7.471	1653.	8.57
133.	7.491	1654.	8.526
134.	7.514	1655.	8.568
135.	7.564	1656.	8.532
136.	7.585	1657.	8.52
137.	7.665	1658.	8.44
138.	7.674	1659.	8.431
139.	7.721	1660.	8.45
140.	7.729	1661.	8.456
141.	7.747	1662.	8.386
142.	7.79	1663.	8.396
143.	7.836	1664.	8.415
144.	7.839	1665.	8.383
145.	7.891	1666.	8.367
146.	7.91	1667.	8.309
147.	7.952	1668.	8.324
148.	8.032	1669.	8.353
149.	8.013	1670.	8.277
150.	8.077	1671.	8.282
151.	8.095	1672.	8.259
152.	8.112	1673.	8.257
153.	8.175	1674.	8.192
154.	8.2	1675.	8.219
155.	8.245	1676.	8.188
156.	8.27	1677.	8.187
157.	8.285	1678.	8.166
158.	8.307	1679.	8.15
159.	8.323	1680.	8.128
160.	8.356	1681.	8.11
161.	8.449	1682.	8.109
162.	8.423	1683.	8.068
163.	8.492	1684.	8.055
164.	8.512	1685.	8.042

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	8.542	1686.	8.039
166.	8.521	1687.	8.035
167.	8.557	1688.	8.026
168.	8.6	1689.	7.996
169.	8.654	1690.	8.002
170.	8.699	1691.	7.99
171.	8.708	1692.	7.961
172.	8.715	1693.	7.92
173.	8.744	1694.	7.937
174.	8.803	1695.	7.881
175.	8.81	1696.	7.895
176.	8.817	1697.	7.875
177.	8.855	1698.	7.857
178.	8.873	1699.	7.868
179.	8.885	1700.	7.848
180.	8.943	1701.	7.838
181.	8.948	1702.	7.818
182.	8.981	1703.	7.822
183.	8.999	1704.	7.767
184.	9.038	1705.	7.773
185.	9.081	1706.	7.773
186.	9.086	1707.	7.729
187.	9.133	1708.	7.722
188.	9.13	1709.	7.716
189.	9.173	1710.	7.72
190.	9.186	1711.	7.69
191.	9.224	1712.	7.696
192.	9.283	1713.	7.655
193.	9.282	1714.	7.649
194.	9.282	1715.	7.654
195.	9.346	1716.	7.594
196.	9.386	1717.	7.64
197.	9.381	1718.	7.609
198.	9.411	1719.	7.561
199.	9.411	1720.	7.563
200.	9.459	1721.	7.565
201.	9.456	1722.	7.534
202.	9.483	1723.	7.525
203.	9.535	1724.	7.541
204.	9.564	1725.	7.48
205.	9.581	1726.	7.504
206.	9.588	1727.	7.452
207.	9.611	1728.	7.479
208.	9.628	1729.	7.451
209.	9.667	1730.	7.433
210.	9.693	1731.	7.381
211.	9.718	1732.	7.433
212.	9.746	1733.	7.422
213.	9.755	1734.	7.405
214.	9.752	1735.	7.383
215.	9.791	1736.	7.355
216.	9.821	1737.	7.365
217.	9.8	1738.	7.336
218.	9.841	1739.	7.338
219.	9.909	1740.	7.288
220.	9.905	1741.	7.31
221.	9.948	1742.	7.3
222.	9.959	1743.	7.271
223.	9.957	1744.	7.284
224.	9.997	1745.	7.258
225.	10.03	1746.	7.248
226.	10.02	1747.	7.206
227.	10.04	1748.	7.232
228.	10.08	1749.	7.168
229.	10.12	1750.	7.194
230.	10.13	1751.	7.165

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	10.12	1752.	7.19
232.	10.15	1753.	7.203
233.	10.17	1754.	7.181
234.	10.2	1755.	7.152
235.	10.21	1756.	7.16
236.	10.22	1757.	7.107
237.	10.28	1758.	7.103
238.	10.26	1759.	7.114
239.	10.29	1760.	7.05
240.	10.32	1761.	7.069
241.	10.33	1762.	7.07
242.	10.34	1763.	7.076
243.	10.39	1764.	7.047
244.	10.41	1765.	7.024
245.	10.41	1766.	7.03
246.	10.43	1767.	7.029
247.	10.46	1768.	6.988
248.	10.45	1769.	6.977
249.	10.47	1770.	6.958
250.	10.51	1771.	6.957
251.	10.53	1772.	6.939
252.	10.53	1773.	6.917
253.	10.55	1774.	6.916
254.	10.6	1775.	6.943
255.	10.61	1776.	6.912
256.	10.62	1777.	6.895
257.	10.64	1778.	6.886
258.	10.63	1779.	6.877
259.	10.66	1780.	6.837
260.	10.7	1781.	6.859
261.	10.7	1782.	6.857
262.	10.7	1783.	6.847
263.	10.74	1784.	6.809
264.	10.79	1785.	6.808
265.	10.79	1786.	6.806
266.	10.8	1787.	6.799
267.	10.79	1788.	6.795
268.	10.85	1789.	6.732
269.	10.84	1790.	6.75
270.	10.84	1791.	6.742
271.	10.91	1792.	6.738
272.	10.94	1793.	6.749
273.	10.9	1794.	6.729
274.	10.94	1795.	6.721
275.	10.95	1796.	6.683
276.	10.98	1797.	6.708
277.	11.02	1798.	6.658
278.	11.01	1799.	6.668
279.	11.	1800.	6.659
280.	11.03	1801.	6.657
281.	11.05	1802.	6.644
282.	11.09	1803.	6.622
283.	11.07	1804.	6.607
284.	11.09	1805.	6.621
285.	11.12	1806.	6.604
286.	11.16	1807.	6.575
287.	11.16	1808.	6.576
288.	11.18	1809.	6.591
289.	11.2	1810.	6.556
290.	11.17	1811.	6.546
291.	11.23	1812.	6.556
292.	11.21	1813.	6.535
293.	11.23	1814.	6.523
294.	11.27	1815.	6.5
295.	11.29	1816.	6.515
296.	11.29	1817.	6.458

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	11.33	1818.	6.494
298.	11.35	1819.	6.489
299.	11.32	1820.	6.458
300.	11.37	1821.	6.462
301.	11.38	1822.	6.463
302.	11.41	1823.	6.412
303.	11.4	1824.	6.451
304.	11.41	1825.	6.424
305.	11.43	1826.	6.45
306.	11.46	1827.	6.427
307.	11.46	1828.	6.425
308.	11.51	1829.	6.399
309.	11.47	1830.	6.358
310.	11.52	1831.	6.376
311.	11.53	1832.	6.374
312.	11.56	1833.	6.348
313.	11.56	1834.	6.318
314.	11.56	1835.	6.341
315.	11.58	1836.	6.322
316.	11.61	1837.	6.33
317.	11.59	1838.	6.305
318.	11.65	1839.	6.299
319.	11.6	1840.	6.285
320.	11.65	1841.	6.288
321.	11.67	1842.	6.264
322.	11.68	1843.	6.267
323.	11.67	1844.	6.262
324.	11.72	1845.	6.226
325.	11.72	1846.	6.237
326.	11.75	1847.	6.214
327.	11.74	1848.	6.223
328.	11.76	1849.	6.193
329.	11.78	1850.	6.213
330.	11.8	1851.	6.199
331.	11.81	1852.	6.186
332.	11.81	1853.	6.18
333.	11.85	1854.	6.147
334.	11.84	1855.	6.156
335.	11.87	1856.	6.168
336.	11.91	1857.	6.131
337.	11.89	1858.	6.141
338.	11.92	1859.	6.129
339.	11.94	1860.	6.126
340.	11.92	1861.	6.123
341.	11.94	1862.	6.123
342.	11.95	1863.	6.107
343.	11.95	1864.	6.08
344.	11.97	1865.	6.065
345.	11.97	1866.	6.089
346.	12.04	1867.	6.07
347.	12.02	1868.	6.044
348.	12.02	1869.	6.083
349.	12.04	1870.	6.033
350.	12.04	1871.	6.052
351.	11.98	1872.	6.017
352.	12.02	1873.	6.016
353.	12.	1874.	6.018
354.	12.04	1875.	5.99
355.	12.03	1876.	6.004
356.	11.98	1877.	5.979
357.	11.99	1878.	5.968
358.	11.97	1879.	5.956
359.	11.98	1880.	5.965
360.	11.96	1881.	5.955
361.	11.97	1882.	5.943
362.	11.93	1883.	5.985

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	11.94	1884.	5.901
364.	11.93	1885.	5.923
365.	11.94	1886.	5.921
366.	11.93	1887.	5.91
367.	11.9	1888.	5.895
368.	11.91	1889.	5.899
369.	11.9	1890.	5.849
370.	11.88	1891.	5.892
371.	11.91	1892.	5.85
372.	11.93	1893.	5.874
373.	11.89	1894.	5.885
374.	11.9	1895.	5.847
375.	11.9	1896.	5.85
376.	11.91	1897.	5.829
377.	11.89	1898.	5.837
378.	11.91	1899.	5.823
379.	11.92	1900.	5.823
380.	11.89	1901.	5.775
381.	11.9	1902.	5.799
382.	11.9	1903.	5.8
383.	11.87	1904.	5.769
384.	11.93	1905.	5.778
385.	11.95	1906.	5.751
386.	11.96	1907.	5.777
387.	11.98	1908.	5.77
388.	12.	1909.	5.726
389.	12.02	1910.	5.736
390.	12.04	1911.	5.724
391.	12.06	1912.	5.746
392.	12.09	1913.	5.696
393.	12.11	1914.	5.722
394.	12.12	1915.	5.704
395.	12.14	1916.	5.698
396.	12.17	1917.	5.679
397.	12.17	1918.	5.669
398.	12.22	1919.	5.658
399.	12.23	1920.	5.694
400.	12.25	1921.	5.68
401.	12.24	1922.	5.646
402.	12.28	1923.	5.663
403.	12.29	1924.	5.641
404.	12.33	1925.	5.655
405.	12.3	1926.	5.613
406.	12.32	1927.	5.642
407.	12.35	1928.	5.635
408.	12.32	1929.	5.607
409.	12.39	1930.	5.616
410.	12.41	1931.	5.605
411.	12.44	1932.	5.606
412.	12.44	1933.	5.579
413.	12.46	1934.	5.594
414.	12.49	1935.	5.573
415.	12.52	1936.	5.563
416.	12.47	1937.	5.558
417.	12.54	1938.	5.524
418.	12.53	1939.	5.504
419.	12.55	1940.	5.539
420.	12.57	1941.	5.576
421.	12.57	1942.	5.519
422.	12.62	1943.	5.487
423.	12.63	1944.	5.526
424.	12.62	1945.	5.501
425.	12.64	1946.	5.481
426.	12.64	1947.	5.48
427.	12.65	1948.	5.474
428.	12.67	1949.	5.437

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	12.69	1950.	5.49
430.	12.69	1951.	5.462
431.	12.72	1952.	5.434
432.	12.73	1953.	5.434
433.	12.74	1954.	5.455
434.	12.74	1955.	5.457
435.	12.75	1956.	5.437
436.	12.75	1957.	5.423
437.	12.81	1958.	5.418
438.	12.81	1959.	5.426
439.	12.84	1960.	5.392
440.	12.84	1961.	5.411
441.	12.86	1962.	5.378
442.	12.83	1963.	5.405
443.	12.87	1964.	5.401
444.	12.91	1965.	5.343
445.	12.88	1966.	5.356
446.	12.88	1967.	5.381
447.	12.92	1968.	5.335
448.	12.92	1969.	5.352
449.	12.94	1970.	5.348
450.	12.95	1971.	5.351
451.	12.97	1972.	5.337
452.	12.98	1973.	5.302
453.	12.97	1974.	5.337
454.	13.02	1975.	5.335
455.	12.98	1976.	5.329
456.	13.02	1977.	5.32
457.	13.03	1978.	5.311
458.	13.06	1979.	5.298
459.	13.05	1980.	5.317
460.	13.06	1981.	5.273
461.	13.08	1982.	5.29
462.	13.05	1983.	5.265
463.	13.1	1984.	5.295
464.	13.07	1985.	5.269
465.	13.11	1986.	5.275
466.	13.14	1987.	5.24
467.	13.14	1988.	5.245
468.	13.16	1989.	5.221
469.	13.17	1990.	5.239
470.	13.17	1991.	5.214
471.	13.18	1992.	5.192
472.	13.2	1993.	5.201
473.	13.21	1994.	5.24
474.	13.23	1995.	5.199
475.	13.23	1996.	5.205
476.	13.23	1997.	5.171
477.	13.27	1998.	5.16
478.	13.28	1999.	5.177
479.	13.25	2000.	5.171
480.	13.28	2001.	5.159
481.	13.28	2002.	5.172
482.	13.32	2003.	5.145
483.	13.28	2004.	5.187
484.	13.33	2005.	5.154
485.	13.31	2006.	5.156
486.	13.35	2007.	5.111
487.	13.35	2008.	5.115
488.	13.34	2009.	5.116
489.	13.36	2010.	5.107
490.	13.35	2011.	5.111
491.	13.35	2012.	5.101
492.	13.39	2013.	5.09
493.	13.43	2014.	5.064
494.	13.44	2015.	5.061

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	13.41	2016.	5.129
496.	13.41	2017.	5.041
497.	13.42	2018.	5.078
498.	13.47	2019.	5.035
499.	13.46	2020.	5.064
500.	13.43	2021.	5.06
501.	13.46	2022.	5.051
502.	13.46	2023.	5.02
503.	13.47	2024.	5.039
504.	13.48	2025.	5.032
505.	13.47	2026.	4.999
506.	13.5	2027.	5.012
507.	13.53	2028.	5.011
508.	13.55	2029.	5.016
509.	13.53	2030.	5.024
510.	13.57	2031.	4.976
511.	13.56	2032.	4.969
512.	13.58	2033.	5.003
513.	13.6	2034.	4.993
514.	13.59	2035.	5.025
515.	13.62	2036.	4.977
516.	13.61	2037.	4.959
517.	13.59	2038.	4.96
518.	13.59	2039.	4.955
519.	13.65	2040.	4.921
520.	13.69	2041.	4.942
521.	13.68	2042.	4.929
522.	13.7	2043.	4.936
523.	13.68	2044.	4.95
524.	13.68	2045.	4.923
525.	13.69	2046.	4.928
526.	13.73	2047.	4.94
527.	13.68	2048.	4.922
528.	13.72	2049.	4.902
529.	13.75	2050.	4.935
530.	13.75	2051.	4.921
531.	13.77	2052.	4.9
532.	13.76	2053.	4.884
533.	13.76	2054.	4.882
534.	13.79	2055.	4.905
535.	13.77	2056.	4.881
536.	13.78	2057.	4.863
537.	13.79	2058.	4.864
538.	13.77	2059.	4.852
539.	13.8	2060.	4.854
540.	13.83	2061.	4.872
541.	13.82	2062.	4.858
542.	13.85	2063.	4.835
543.	13.86	2064.	4.845
544.	13.83	2065.	4.833
545.	13.86	2066.	4.852
546.	13.87	2067.	4.832
547.	13.91	2068.	4.793
548.	13.89	2069.	4.796
549.	13.91	2070.	4.831
550.	13.91	2071.	4.772
551.	13.91	2072.	4.779
552.	13.91	2073.	4.804
553.	13.93	2074.	4.804
554.	13.93	2075.	4.765
555.	13.93	2076.	4.788
556.	13.97	2077.	4.785
557.	14.	2078.	4.759
558.	13.97	2079.	4.775
559.	13.99	2080.	4.743
560.	13.99	2081.	4.759

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	14.	2082.	4.72
562.	14.04	2083.	4.747
563.	14.	2084.	4.72
564.	14.02	2085.	4.713
565.	14.03	2086.	4.738
566.	14.04	2087.	4.76
567.	14.04	2088.	4.718
568.	14.05	2089.	4.708
569.	14.04	2090.	4.736
570.	14.06	2091.	4.736
571.	14.11	2092.	4.735
572.	14.07	2093.	4.715
573.	14.12	2094.	4.679
574.	14.09	2095.	4.715
575.	14.14	2096.	4.684
576.	14.13	2097.	4.705
577.	14.12	2098.	4.69
578.	14.14	2099.	4.714
579.	14.11	2100.	4.676
580.	14.17	2101.	4.68
581.	14.17	2102.	4.628
582.	14.18	2103.	4.671
583.	14.19	2104.	4.664
584.	14.17	2105.	4.659
585.	14.17	2106.	4.613
586.	14.2	2107.	4.654
587.	14.19	2108.	4.629
588.	14.23	2109.	4.645
589.	14.25	2110.	4.64
590.	14.21	2111.	4.591
591.	14.2	2112.	4.614
592.	14.21	2113.	4.633
593.	14.25	2114.	4.609
594.	14.24	2115.	4.595
595.	14.25	2116.	4.579
596.	14.27	2117.	4.582
597.	14.28	2118.	4.585
598.	14.29	2119.	4.588
599.	14.31	2120.	4.557
600.	14.3	2121.	4.605
601.	14.31	2122.	4.582
602.	14.29	2123.	4.578
603.	14.34	2124.	4.556
604.	14.34	2125.	4.54
605.	14.35	2126.	4.511
606.	14.33	2127.	4.546
607.	14.36	2128.	4.551
608.	14.34	2129.	4.579
609.	14.39	2130.	4.546
610.	14.36	2131.	4.531
611.	14.41	2132.	4.527
612.	14.41	2133.	4.52
613.	14.37	2134.	4.52
614.	14.39	2135.	4.517
615.	14.42	2136.	4.513
616.	14.4	2137.	4.516
617.	14.44	2138.	4.502
618.	14.41	2139.	4.521
619.	14.44	2140.	4.508
620.	14.41	2141.	4.507
621.	14.45	2142.	4.511
622.	14.46	2143.	4.477
623.	14.48	2144.	4.479
624.	14.48	2145.	4.501
625.	14.5	2146.	4.495
626.	14.52	2147.	4.464

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	14.5	2148.	4.466
628.	14.51	2149.	4.448
629.	14.54	2150.	4.444
630.	14.5	2151.	4.455
631.	14.53	2152.	4.45
632.	14.52	2153.	4.485
633.	14.53	2154.	4.434
634.	14.57	2155.	4.424
635.	14.55	2156.	4.441
636.	14.58	2157.	4.447
637.	14.55	2158.	4.402
638.	14.58	2159.	4.444
639.	14.6	2160.	4.433
640.	14.6	2161.	4.426
641.	14.58	2162.	4.392
642.	14.61	2163.	4.402
643.	14.62	2164.	4.417
644.	14.61	2165.	4.422
645.	14.61	2166.	4.388
646.	14.62	2167.	4.404
647.	14.63	2168.	4.394
648.	14.66	2169.	4.358
649.	14.66	2170.	4.363
650.	14.62	2171.	4.389
651.	14.67	2172.	4.384
652.	14.7	2173.	4.36
653.	14.7	2174.	4.388
654.	14.68	2175.	4.366
655.	14.69	2176.	4.362
656.	14.71	2177.	4.372
657.	14.69	2178.	4.352
658.	14.69	2179.	4.375
659.	14.7	2180.	4.333
660.	14.73	2181.	4.344
661.	14.73	2182.	4.369
662.	14.73	2183.	4.307
663.	14.78	2184.	4.341
664.	14.74	2185.	4.329
665.	14.77	2186.	4.32
666.	14.78	2187.	4.311
667.	14.77	2188.	4.301
668.	14.78	2189.	4.306
669.	14.79	2190.	4.322
670.	14.78	2191.	4.299
671.	14.79	2192.	4.299
672.	14.81	2193.	4.301
673.	14.83	2194.	4.307
674.	14.82	2195.	4.316
675.	14.84	2196.	4.306
676.	14.83	2197.	4.288
677.	14.84	2198.	4.278
678.	14.83	2199.	4.275
679.	14.85	2200.	4.272
680.	14.86	2201.	4.249
681.	14.84	2202.	4.261
682.	14.86	2203.	4.25
683.	14.92	2204.	4.282
684.	14.88	2205.	4.27
685.	14.92	2206.	4.258
686.	14.88	2207.	4.227
687.	14.92	2208.	4.255
688.	14.91	2209.	4.244
689.	14.9	2210.	4.237
690.	14.93	2211.	4.241
691.	14.94	2212.	4.26
692.	14.94	2213.	4.225

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	14.94	2214.	4.225
694.	14.95	2215.	4.235
695.	14.99	2216.	4.244
696.	14.99	2217.	4.196
697.	14.94	2218.	4.214
698.	14.96	2219.	4.218
699.	14.98	2220.	4.212
700.	14.99	2221.	4.224
701.	14.99	2222.	4.206
702.	15.01	2223.	4.192
703.	15.01	2224.	4.194
704.	15.03	2225.	4.19
705.	15.05	2226.	4.156
706.	15.03	2227.	4.165
707.	15.04	2228.	4.19
708.	15.08	2229.	4.163
709.	15.04	2230.	4.162
710.	15.06	2231.	4.157
711.	15.04	2232.	4.16
712.	15.09	2233.	4.126
713.	15.1	2234.	4.168
714.	15.05	2235.	4.185
715.	15.1	2236.	4.15
716.	15.09	2237.	4.16
717.	15.08	2238.	4.13
718.	15.13	2239.	4.143
719.	15.1	2240.	4.152
720.	15.13	2241.	4.152
721.	15.12	2242.	4.114
722.	15.08	2243.	4.132
723.	15.12	2244.	4.135
724.	15.16	2245.	4.124
725.	15.17	2246.	4.096
726.	15.15	2247.	4.107
727.	15.17	2248.	4.114
728.	15.2	2249.	4.101
729.	15.17	2250.	4.087
730.	15.17	2251.	4.127
731.	15.2	2252.	4.111
732.	15.18	2253.	4.123
733.	15.22	2254.	4.072
734.	15.21	2255.	4.084
735.	15.22	2256.	4.082
736.	15.22	2257.	4.067
737.	15.21	2258.	4.066
738.	15.23	2259.	4.069
739.	15.21	2260.	4.11
740.	15.24	2261.	4.077
741.	15.26	2262.	4.037
742.	15.26	2263.	4.03
743.	15.28	2264.	4.047
744.	15.31	2265.	4.054
745.	15.28	2266.	4.065
746.	15.25	2267.	4.076
747.	15.26	2268.	4.053
748.	15.29	2269.	4.052
749.	15.33	2270.	3.999
750.	15.31	2271.	4.031
751.	15.3	2272.	4.019
752.	15.34	2273.	4.014
753.	15.31	2274.	4.056
754.	15.39	2275.	4.05
755.	15.31	2276.	4.026
756.	15.31	2277.	4.006
757.	15.35	2278.	4.029
758.	15.34	2279.	3.995

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	15.36	2280.	4.033
760.	15.35	2281.	4.014
761.	15.37	2282.	4.02
762.	15.39	2283.	4.024
763.	15.39	2284.	3.98
764.	15.41	2285.	3.953
765.	15.41	2286.	4.019
766.	15.4	2287.	3.997
767.	15.42	2288.	4.039
768.	15.4	2289.	3.976
769.	15.42	2290.	3.966
770.	15.43	2291.	3.994
771.	15.43	2292.	3.991
772.	15.44	2293.	3.966
773.	15.45	2294.	3.968
774.	15.46	2295.	3.996
775.	15.45	2296.	3.947
776.	15.49	2297.	3.979
777.	15.5	2298.	3.968
778.	15.46	2299.	3.948
779.	15.46	2300.	3.946
780.	15.51	2301.	3.933
781.	15.48	2302.	3.96
782.	15.48	2303.	3.933
783.	15.52	2304.	3.951
784.	15.5	2305.	3.921
785.	15.5	2306.	3.938
786.	15.52	2307.	3.926
787.	15.52	2308.	3.914
788.	15.54	2309.	3.923
789.	15.56	2310.	3.923
790.	15.57	2311.	3.928
791.	15.58	2312.	3.913
792.	15.57	2313.	3.924
793.	15.57	2314.	3.915
794.	15.56	2315.	3.917
795.	15.57	2316.	3.903
796.	15.59	2317.	3.913
797.	15.58	2318.	3.909
798.	15.58	2319.	3.907
799.	15.63	2320.	3.908
800.	15.6	2321.	3.904
801.	15.59	2322.	3.88
802.	15.6	2323.	3.849
803.	15.6	2324.	3.889
804.	15.63	2325.	3.902
805.	15.64	2326.	3.886
806.	15.62	2327.	3.89
807.	15.63	2328.	3.866
808.	15.62	2329.	3.868
809.	15.67	2330.	3.833
810.	15.67	2331.	3.853
811.	15.66	2332.	3.894
812.	15.71	2333.	3.897
813.	15.64	2334.	3.84
814.	15.69	2335.	3.855
815.	15.7	2336.	3.881
816.	15.69	2337.	3.825
817.	15.7	2338.	3.846
818.	15.71	2339.	3.867
819.	15.7	2340.	3.831
820.	15.75	2341.	3.818
821.	15.7	2342.	3.828
822.	15.73	2343.	3.825
823.	15.74	2344.	3.819
824.	15.77	2345.	3.804

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	15.72	2346.	3.811
826.	15.75	2347.	3.833
827.	15.76	2348.	3.774
828.	15.75	2349.	3.813
829.	15.78	2350.	3.809
830.	15.78	2351.	3.838
831.	15.76	2352.	3.832
832.	15.79	2353.	3.805
833.	15.8	2354.	3.787
834.	15.77	2355.	3.779
835.	15.8	2356.	3.786
836.	15.82	2357.	3.785
837.	15.86	2358.	3.764
838.	15.82	2359.	3.777
839.	15.83	2360.	3.776
840.	15.85	2361.	3.773
841.	15.83	2362.	3.796
842.	15.83	2363.	3.769
843.	15.83	2364.	3.799
844.	15.84	2365.	3.775
845.	15.86	2366.	3.778
846.	15.85	2367.	3.764
847.	15.85	2368.	3.759
848.	15.87	2369.	3.761
849.	15.89	2370.	3.728
850.	15.87	2371.	3.758
851.	15.88	2372.	3.771
852.	15.88	2373.	3.722
853.	15.94	2374.	3.741
854.	15.9	2375.	3.734
855.	15.85	2376.	3.723
856.	15.92	2377.	3.736
857.	15.91	2378.	3.711
858.	15.92	2379.	3.734
859.	15.93	2380.	3.745
860.	15.91	2381.	3.711
861.	15.91	2382.	3.74
862.	15.94	2383.	3.708
863.	15.92	2384.	3.706
864.	15.89	2385.	3.711
865.	15.91	2386.	3.702
866.	15.96	2387.	3.709
867.	15.98	2388.	3.69
868.	15.96	2389.	3.679
869.	15.95	2390.	3.725
870.	15.97	2391.	3.674
871.	15.95	2392.	3.711
872.	15.98	2393.	3.718
873.	15.98	2394.	3.698
874.	15.98	2395.	3.702
875.	16.03	2396.	3.691
876.	15.96	2397.	3.684
877.	15.99	2398.	3.644
878.	16.	2399.	3.674
879.	16.02	2400.	3.681
880.	16.03	2401.	3.659
881.	16.04	2402.	3.672
882.	16.02	2403.	3.654
883.	16.05	2404.	3.668
884.	16.04	2405.	3.644
885.	16.03	2406.	3.651
886.	16.08	2407.	3.679
887.	16.04	2408.	3.65
888.	16.09	2409.	3.642
889.	16.08	2410.	3.631
890.	16.09	2411.	3.613

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	16.07	2412.	3.619
892.	16.1	2413.	3.637
893.	16.09	2414.	3.636
894.	16.07	2415.	3.615
895.	16.1	2416.	3.64
896.	16.12	2417.	3.632
897.	16.09	2418.	3.632
898.	16.1	2419.	3.641
899.	16.1	2420.	3.638
900.	16.12	2421.	3.632
901.	16.08	2422.	3.587
902.	16.13	2423.	3.615
903.	16.13	2424.	3.572
904.	16.16	2425.	3.585
905.	16.11	2426.	3.607
906.	16.13	2427.	3.616
907.	16.16	2428.	3.584
908.	16.15	2429.	3.589
909.	16.16	2430.	3.555
910.	16.19	2431.	3.567
911.	16.18	2432.	3.626
912.	16.17	2433.	3.588
913.	16.19	2434.	3.583
914.	16.2	2435.	3.567
915.	16.2	2436.	3.596
916.	16.18	2437.	3.578
917.	16.21	2438.	3.559
918.	16.21	2439.	3.566
919.	16.23	2440.	3.593
920.	16.24	2441.	3.576
921.	16.2	2442.	3.566
922.	16.24	2443.	3.583
923.	16.24	2444.	3.539
924.	16.27	2445.	3.574
925.	16.24	2446.	3.53
926.	16.21	2447.	3.541
927.	16.25	2448.	3.537
928.	16.25	2449.	3.512
929.	16.28	2450.	3.535
930.	16.24	2451.	3.513
931.	16.27	2452.	3.534
932.	16.32	2453.	3.522
933.	16.28	2454.	3.54
934.	16.27	2455.	3.532
935.	16.27	2456.	3.538
936.	16.28	2457.	3.514
937.	16.3	2458.	3.528
938.	16.32	2459.	3.524
939.	16.31	2460.	3.501
940.	16.33	2461.	3.495
941.	16.33	2462.	3.534
942.	16.33	2463.	3.497
943.	16.34	2464.	3.487
944.	16.33	2465.	3.507
945.	16.34	2466.	3.47
946.	16.35	2467.	3.502
947.	16.33	2468.	3.458
948.	16.35	2469.	3.471
949.	16.36	2470.	3.509
950.	16.37	2471.	3.486
951.	16.36	2472.	3.463
952.	16.36	2473.	3.477
953.	16.38	2474.	3.491
954.	16.4	2475.	3.491
955.	16.39	2476.	3.466
956.	16.37	2477.	3.484

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	16.39	2478.	3.453
958.	16.41	2479.	3.491
959.	16.42	2480.	3.441
960.	16.42	2481.	3.456
961.	16.4	2482.	3.44
962.	16.42	2483.	3.467
963.	16.43	2484.	3.493
964.	16.43	2485.	3.477
965.	16.41	2486.	3.425
966.	16.43	2487.	3.461
967.	16.43	2488.	3.425
968.	16.45	2489.	3.441
969.	16.43	2490.	3.477
970.	16.44	2491.	3.439
971.	16.44	2492.	3.421
972.	16.47	2493.	3.432
973.	16.43	2494.	3.454
974.	16.46	2495.	3.436
975.	16.48	2496.	3.444
976.	16.48	2497.	3.394
977.	16.49	2498.	3.419
978.	16.5	2499.	3.416
979.	16.47	2500.	3.407
980.	16.5	2501.	3.413
981.	16.48	2502.	3.375
982.	16.52	2503.	3.443
983.	16.47	2504.	3.414
984.	16.51	2505.	3.416
985.	16.5	2506.	3.383
986.	16.51	2507.	3.415
987.	16.52	2508.	3.419
988.	16.52	2509.	3.415
989.	16.56	2510.	3.375
990.	16.56	2511.	3.395
991.	16.54	2512.	3.404
992.	16.55	2513.	3.386
993.	16.57	2514.	3.39
994.	16.54	2515.	3.386
995.	16.56	2516.	3.373
996.	16.55	2517.	3.323
997.	16.56	2518.	3.395
998.	16.57	2519.	3.341
999.	16.58	2520.	3.382
1000.	16.58	2521.	3.391
1001.	16.62	2522.	3.35
1002.	16.57	2523.	3.38
1003.	16.55	2524.	3.366
1004.	16.59	2525.	3.328
1005.	16.6	2526.	3.344
1006.	16.59	2527.	3.346
1007.	16.6	2528.	3.345
1008.	16.61	2529.	3.317
1009.	16.6	2530.	3.335
1010.	16.62	2531.	3.35
1011.	16.66	2532.	3.355
1012.	16.64	2533.	3.312
1013.	16.64	2534.	3.36
1014.	16.63	2535.	3.348
1015.	16.62	2536.	3.317
1016.	16.62	2537.	3.314
1017.	16.64	2538.	3.303
1018.	16.62	2539.	3.317
1019.	16.66	2540.	3.297
1020.	16.66	2541.	3.316
1021.	16.68	2542.	3.313
1022.	16.67	2543.	3.33

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	16.65	2544.	3.307
1024.	16.66	2545.	3.315
1025.	16.69	2546.	3.311
1026.	16.67	2547.	3.291
1027.	16.67	2548.	3.294
1028.	16.69	2549.	3.298
1029.	16.69	2550.	3.3
1030.	16.7	2551.	3.285
1031.	16.71	2552.	3.291
1032.	16.74	2553.	3.294
1033.	16.73	2554.	3.273
1034.	16.77	2555.	3.282
1035.	16.71	2556.	3.286
1036.	16.73	2557.	3.261
1037.	16.72	2558.	3.268
1038.	16.71	2559.	3.261
1039.	16.75	2560.	3.227
1040.	16.74	2561.	3.268
1041.	16.74	2562.	3.278
1042.	16.72	2563.	3.262
1043.	16.74	2564.	3.268
1044.	16.74	2565.	3.247
1045.	16.78	2566.	3.277
1046.	16.76	2567.	3.274
1047.	16.78	2568.	3.232
1048.	16.79	2569.	3.229
1049.	16.78	2570.	3.237
1050.	16.77	2571.	3.237
1051.	16.77	2572.	3.243
1052.	16.78	2573.	3.255
1053.	16.8	2574.	3.235
1054.	16.77	2575.	3.232
1055.	16.79	2576.	3.257
1056.	16.85	2577.	3.24
1057.	16.82	2578.	3.213
1058.	16.81	2579.	3.234
1059.	16.79	2580.	3.23
1060.	16.81	2581.	3.197
1061.	16.83	2582.	3.229
1062.	16.8	2583.	3.248
1063.	16.87	2584.	3.217
1064.	16.83	2585.	3.189
1065.	16.83	2586.	3.229
1066.	16.83	2587.	3.234
1067.	16.83	2588.	3.219
1068.	16.86	2589.	3.189
1069.	16.85	2590.	3.187
1070.	16.83	2591.	3.198
1071.	16.84	2592.	3.218
1072.	16.88	2593.	3.198
1073.	16.88	2594.	3.182
1074.	16.89	2595.	3.19
1075.	16.89	2596.	3.156
1076.	16.87	2597.	3.182
1077.	16.91	2598.	3.184
1078.	16.89	2599.	3.19
1079.	16.9	2600.	3.173
1080.	16.88	2601.	3.175
1081.	16.92	2602.	3.174
1082.	16.91	2603.	3.179
1083.	16.92	2604.	3.144
1084.	16.91	2605.	3.17
1085.	16.94	2606.	3.171
1086.	16.88	2607.	3.16
1087.	16.92	2608.	3.17
1088.	16.91	2609.	3.149

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	16.95	2610.	3.151
1090.	16.95	2611.	3.135
1091.	16.94	2612.	3.139
1092.	16.93	2613.	3.176
1093.	16.93	2614.	3.158
1094.	16.97	2615.	3.121
1095.	16.94	2616.	3.167
1096.	16.96	2617.	3.155
1097.	16.96	2618.	3.168
1098.	16.98	2619.	3.155
1099.	16.96	2620.	3.147
1100.	16.97	2621.	3.166
1101.	16.97	2622.	3.133
1102.	16.99	2623.	3.126
1103.	16.98	2624.	3.125
1104.	16.96	2625.	3.134
1105.	16.98	2626.	3.135
1106.	16.99	2627.	3.118
1107.	17.01	2628.	3.13
1108.	17.	2629.	3.092
1109.	17.	2630.	3.122
1110.	17.01	2631.	3.142
1111.	16.99	2632.	3.12
1112.	17.01	2633.	3.105
1113.	17.03	2634.	3.104
1114.	17.03	2635.	3.107
1115.	17.01	2636.	3.112
1116.	17.01	2637.	3.102
1117.	17.01	2638.	3.123
1118.	17.04	2639.	3.089
1119.	17.03	2640.	3.108
1120.	17.04	2641.	3.09
1121.	17.08	2642.	3.098
1122.	17.04	2643.	3.105
1123.	17.07	2644.	3.127
1124.	17.07	2645.	3.105
1125.	17.03	2646.	3.102
1126.	17.05	2647.	3.06
1127.	17.05	2648.	3.06
1128.	17.09	2649.	3.081
1129.	17.1	2650.	3.066
1130.	17.07	2651.	3.077
1131.	17.1	2652.	3.075
1132.	17.09	2653.	3.065
1133.	17.09	2654.	3.103
1134.	17.11	2655.	3.094
1135.	17.09	2656.	3.067
1136.	17.1	2657.	3.071
1137.	17.12	2658.	3.053
1138.	17.11	2659.	3.022
1139.	17.12	2660.	3.049
1140.	17.12	2661.	3.055
1141.	17.15	2662.	3.051
1142.	17.13	2663.	3.052
1143.	17.13	2664.	3.061
1144.	17.11	2665.	3.031
1145.	17.15	2666.	3.068
1146.	17.14	2667.	3.041
1147.	17.13	2668.	3.065
1148.	17.15	2669.	3.017
1149.	17.15	2670.	3.046
1150.	17.14	2671.	3.037
1151.	17.16	2672.	3.025
1152.	17.16	2673.	3.021
1153.	17.13	2674.	3.028
1154.	17.16	2675.	3.034

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	17.18	2676.	3.05
1156.	17.17	2677.	2.972
1157.	17.15	2678.	3.024
1158.	17.16	2679.	2.988
1159.	17.18	2680.	3.005
1160.	17.16	2681.	2.994
1161.	17.19	2682.	3.001
1162.	17.18	2683.	2.987
1163.	17.18	2684.	2.987
1164.	17.19	2685.	2.996
1165.	17.2	2686.	2.987
1166.	17.24	2687.	3.
1167.	17.2	2688.	3.003
1168.	17.2	2689.	2.991
1169.	17.2	2690.	2.98
1170.	17.2	2691.	2.97
1171.	17.24	2692.	3.004
1172.	17.21	2693.	2.97
1173.	17.24	2694.	2.967
1174.	17.24	2695.	2.983
1175.	17.27	2696.	2.968
1176.	17.25	2697.	2.952
1177.	17.27	2698.	2.957
1178.	17.22	2699.	2.961
1179.	17.28	2700.	2.958
1180.	17.27	2701.	2.963
1181.	17.25	2702.	2.95
1182.	17.22	2703.	2.955
1183.	17.23	2704.	2.941
1184.	17.27	2705.	2.95
1185.	17.21	2706.	2.928
1186.	17.22	2707.	2.978
1187.	17.2	2708.	2.96
1188.	17.21	2709.	2.932
1189.	17.18	2710.	2.946
1190.	17.19	2711.	2.965
1191.	17.17	2712.	2.968
1192.	17.16	2713.	2.953
1193.	17.15	2714.	2.921
1194.	17.14	2715.	2.953
1195.	17.12	2716.	2.925
1196.	17.13	2717.	2.958
1197.	17.12	2718.	2.939
1198.	17.08	2719.	2.897
1199.	17.08	2720.	2.915
1200.	17.09	2721.	2.932
1201.	17.07	2722.	2.903
1202.	17.05	2723.	2.927
1203.	17.03	2724.	2.927
1204.	17.01	2725.	2.928
1205.	17.02	2726.	2.908
1206.	17.03	2727.	2.901
1207.	17.03	2728.	2.903
1208.	17.01	2729.	2.91
1209.	17.	2730.	2.911
1210.	17.01	2731.	2.908
1211.	17.01	2732.	2.895
1212.	16.97	2733.	2.889
1213.	16.95	2734.	2.896
1214.	17.	2735.	2.9
1215.	16.97	2736.	2.885
1216.	16.98	2737.	2.905
1217.	16.96	2738.	2.911
1218.	16.91	2739.	2.869
1219.	16.93	2740.	2.899
1220.	16.91	2741.	2.931

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	16.93	2742.	2.865
1222.	16.91	2743.	2.895
1223.	16.89	2744.	2.876
1224.	16.9	2745.	2.898
1225.	16.89	2746.	2.886
1226.	16.89	2747.	2.87
1227.	16.87	2748.	2.878
1228.	16.89	2749.	2.867
1229.	16.89	2750.	2.868
1230.	16.9	2751.	2.849
1231.	16.89	2752.	2.884
1232.	16.89	2753.	2.883
1233.	16.86	2754.	2.824
1234.	16.94	2755.	2.859
1235.	16.93	2756.	2.838
1236.	16.9	2757.	2.871
1237.	16.91	2758.	2.856
1238.	16.92	2759.	2.849
1239.	16.95	2760.	2.842
1240.	16.95	2761.	2.843
1241.	16.95	2762.	2.842
1242.	16.96	2763.	2.869
1243.	17.	2764.	2.849
1244.	16.95	2765.	2.845
1245.	16.98	2766.	2.82
1246.	16.99	2767.	2.833
1247.	17.	2768.	2.834
1248.	17.01	2769.	2.858
1249.	17.	2770.	2.831
1250.	17.02	2771.	2.827
1251.	17.05	2772.	2.832
1252.	17.02	2773.	2.821
1253.	17.04	2774.	2.804
1254.	17.08	2775.	2.819
1255.	17.08	2776.	2.831
1256.	17.05	2777.	2.821
1257.	17.02	2778.	2.788
1258.	17.06	2779.	2.803
1259.	17.1	2780.	2.821
1260.	17.09	2781.	2.845
1261.	17.07	2782.	2.767
1262.	17.09	2783.	2.773
1263.	17.1	2784.	2.8
1264.	17.13	2785.	2.833
1265.	17.11	2786.	2.807
1266.	17.11	2787.	2.821
1267.	17.15	2788.	2.796
1268.	17.16	2789.	2.775
1269.	17.14	2790.	2.811
1270.	17.16	2791.	2.808
1271.	17.14	2792.	2.757
1272.	17.16	2793.	2.775
1273.	17.19	2794.	2.802
1274.	17.2	2795.	2.806
1275.	17.18	2796.	2.809
1276.	17.23	2797.	2.774
1277.	17.2	2798.	2.791
1278.	17.19	2799.	2.764
1279.	17.18	2800.	2.763
1280.	17.24	2801.	2.765
1281.	17.23	2802.	2.776
1282.	17.21	2803.	2.803
1283.	17.26	2804.	2.78
1284.	17.22	2805.	2.79
1285.	17.29	2806.	2.76
1286.	17.25	2807.	2.758

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	17.24	2808.	2.78
1288.	17.26	2809.	2.771
1289.	17.25	2810.	2.749
1290.	17.25	2811.	2.729
1291.	17.25	2812.	2.762
1292.	17.3	2813.	2.789
1293.	17.27	2814.	2.737
1294.	17.3	2815.	2.772
1295.	17.3	2816.	2.769
1296.	17.32	2817.	2.763
1297.	17.31	2818.	2.744
1298.	17.33	2819.	2.74
1299.	17.3	2820.	2.721
1300.	17.32	2821.	2.754
1301.	17.31	2822.	2.745
1302.	17.35	2823.	2.727
1303.	17.36	2824.	2.737
1304.	17.35	2825.	2.76
1305.	17.34	2826.	2.753
1306.	17.35	2827.	2.725
1307.	17.4	2828.	2.727
1308.	17.34	2829.	2.74
1309.	17.38	2830.	2.734
1310.	17.37	2831.	2.732
1311.	17.38	2832.	2.755
1312.	17.4	2833.	2.72
1313.	17.38	2834.	2.714
1314.	17.39	2835.	2.759
1315.	17.36	2836.	2.729
1316.	17.41	2837.	2.705
1317.	17.41	2838.	2.721
1318.	17.4	2839.	2.68
1319.	17.39	2840.	2.748
1320.	17.43	2841.	2.718
1321.	17.42	2842.	2.722
1322.	17.44	2843.	2.667
1323.	17.42	2844.	2.68
1324.	17.4	2845.	2.697
1325.	17.41	2846.	2.693
1326.	17.48	2847.	2.678
1327.	17.45	2848.	2.706
1328.	17.46	2849.	2.723
1329.	17.45	2850.	2.708
1330.	17.42	2851.	2.667
1331.	17.46	2852.	2.706
1332.	17.45	2853.	2.686
1333.	17.47	2854.	2.692
1334.	17.48	2855.	2.677
1335.	17.52	2856.	2.708
1336.	17.48	2857.	2.69
1337.	17.47	2858.	2.68
1338.	17.5	2859.	2.691
1339.	17.47	2860.	2.668
1340.	17.49	2861.	2.663
1341.	17.5	2862.	2.666
1342.	17.56	2863.	2.64
1343.	17.48	2864.	2.65
1344.	17.51	2865.	2.659
1345.	17.52	2866.	2.648
1346.	17.54	2867.	2.691
1347.	17.52	2868.	2.637
1348.	17.55	2869.	2.67
1349.	17.52	2870.	2.669
1350.	17.54	2871.	2.652
1351.	17.56	2872.	2.667
1352.	17.55	2873.	2.671

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	17.54	2874.	2.688
1354.	17.56	2875.	2.672
1355.	17.55	2876.	2.661
1356.	17.56	2877.	2.642
1357.	17.54	2878.	2.678
1358.	17.58	2879.	2.662
1359.	17.58	2880.	2.655
1360.	17.6	2881.	2.659
1361.	17.56	2882.	2.653
1362.	17.6	2883.	2.651
1363.	17.61	2884.	2.645
1364.	17.61	2885.	2.662
1365.	17.6	2886.	2.645
1366.	17.65	2887.	2.658
1367.	17.61	2888.	2.638
1368.	17.61	2889.	2.647
1369.	17.64	2890.	2.657
1370.	17.63	2891.	2.639
1371.	17.65	2892.	2.638
1372.	17.64	2893.	2.656
1373.	17.62	2894.	2.629
1374.	17.66	2895.	2.629
1375.	17.64	2896.	2.642
1376.	17.67	2897.	2.615
1377.	17.65	2898.	2.631
1378.	17.65	2899.	2.646
1379.	17.63	2900.	2.607
1380.	17.64	2901.	2.59
1381.	17.68	2902.	2.649
1382.	17.66	2903.	2.597
1383.	17.71	2904.	2.632
1384.	17.68	2905.	2.602
1385.	17.68	2906.	2.626
1386.	17.65	2907.	2.594
1387.	17.7	2908.	2.601
1388.	17.7	2909.	2.606
1389.	17.7	2910.	2.589
1390.	17.72	2911.	2.581
1391.	17.69	2912.	2.595
1392.	17.72	2913.	2.562
1393.	17.71	2914.	2.609
1394.	17.73	2915.	2.601
1395.	17.73	2916.	2.603
1396.	17.73	2917.	2.609
1397.	17.73	2918.	2.617
1398.	17.73	2919.	2.567
1399.	17.73	2920.	2.603
1400.	17.72	2921.	2.577
1401.	17.73	2922.	2.585
1402.	17.75	2923.	2.559
1403.	17.76	2924.	2.611
1404.	17.74	2925.	2.608
1405.	17.74	2926.	2.594
1406.	17.78	2927.	2.604
1407.	17.75	2928.	2.623
1408.	17.77	2929.	2.599
1409.	17.78	2930.	2.588
1410.	17.76	2931.	2.583
1411.	17.78	2932.	2.543
1412.	17.8	2933.	2.609
1413.	17.81	2934.	2.578
1414.	17.78	2935.	2.558
1415.	17.78	2936.	2.56
1416.	17.8	2937.	2.566
1417.	17.77	2938.	2.584
1418.	17.79	2939.	2.59

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	17.8	2940.	2.605
1420.	17.8	2941.	2.567
1421.	17.84	2942.	2.543
1422.	17.82	2943.	2.571
1423.	17.83	2944.	2.546
1424.	17.84	2945.	2.581
1425.	17.81	2946.	2.552
1426.	17.83	2947.	2.555
1427.	17.81	2948.	2.573
1428.	17.84	2949.	2.564
1429.	17.85	2950.	2.545
1430.	17.86	2951.	2.544
1431.	17.86	2952.	2.552
1432.	17.84	2953.	2.544
1433.	17.85	2954.	2.546
1434.	17.85	2955.	2.564
1435.	17.86	2956.	2.555
1436.	17.85	2957.	2.541
1437.	17.86	2958.	2.531
1438.	17.81	2959.	2.545
1439.	17.73	2960.	2.543
1440.	17.64	2961.	2.562
1441.	17.57	2962.	2.558
1442.	17.42	2963.	2.54
1443.	17.37	2964.	2.535
1444.	17.29	2965.	2.55
1445.	17.2	2966.	2.554
1446.	17.04	2967.	2.564
1447.	16.97	2968.	2.501
1448.	16.89	2969.	2.538
1449.	16.75	2970.	2.557
1450.	16.67	2971.	2.547
1451.	16.55	2972.	2.53
1452.	16.48	2973.	2.536
1453.	16.34	2974.	2.528
1454.	16.26	2975.	2.525
1455.	16.14	2976.	2.521
1456.	16.03	2977.	2.533
1457.	15.95	2978.	2.528
1458.	15.87	2979.	2.508
1459.	15.78	2980.	2.504
1460.	15.7	2981.	2.533
1461.	15.6	2982.	2.507
1462.	15.51	2983.	2.518
1463.	15.43	2984.	2.513
1464.	15.36	2985.	2.518
1465.	15.28	2986.	2.503
1466.	15.17	2987.	2.496
1467.	15.12	2988.	2.502
1468.	15.02	2989.	2.503
1469.	14.97	2990.	2.502
1470.	14.89	2991.	2.509
1471.	14.8	2992.	2.48
1472.	14.77	2993.	2.499
1473.	14.66	2994.	2.49
1474.	14.61	2995.	2.509
1475.	14.53	2996.	2.506
1476.	14.46	2997.	2.486
1477.	14.38	2998.	2.491
1478.	14.32	2999.	2.486
1479.	14.24	3000.	2.488
1480.	14.17	3001.	2.525
1481.	14.13	3002.	2.492
1482.	14.06	3003.	2.501
1483.	14.	3004.	2.477
1484.	13.93	3005.	2.503

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	13.86	3006.	2.482
1486.	13.81	3007.	2.511
1487.	13.77	3008.	2.501
1488.	13.69	3009.	2.478
1489.	13.63	3010.	2.49
1490.	13.57	3011.	2.492
1491.	13.54	3012.	2.473
1492.	13.48	3013.	2.499
1493.	13.43	3014.	2.469
1494.	13.33	3015.	2.47
1495.	13.29	3016.	2.446
1496.	13.26	3017.	2.507
1497.	13.2	3018.	2.512
1498.	13.15	3019.	2.456
1499.	13.11	3020.	2.486
1500.	13.03	3021.	2.486
1501.	12.99	3022.	2.475
1502.	12.94	3023.	2.474
1503.	12.88	3024.	2.47
1504.	12.81	3025.	2.446
1505.	12.79	3026.	2.481
1506.	12.74	3027.	2.456
1507.	12.67	3028.	2.42
1508.	12.64	3029.	2.461
1509.	12.61	3030.	2.475
1510.	12.56	3031.	2.454
1511.	12.51	3032.	2.421
1512.	12.49	3033.	2.462
1513.	12.41	3034.	2.431
1514.	12.35	3035.	2.442
1515.	12.32	3036.	2.401
1516.	12.28	3037.	2.443
1517.	12.24	3038.	2.453
1518.	12.21	3039.	2.452
1519.	12.17	3040.	2.443
1520.	12.1	3041.	2.43
1521.	12.07	3042.	2.464

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1349.3	ft^2/day
S	3.839E-5	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.87 ft/day (0.00595 cm/sec)
Ss = S/b = 4.799E-7 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1338.4	1.923	+/- 3.771	696.1	ft^2/day
S	0.0001212	5.035E-7	+/- 9.874E-7	240.7	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.73 ft/day (0.005902 cm/sec)
Ss = S/b = 1.515E-6 1/ft

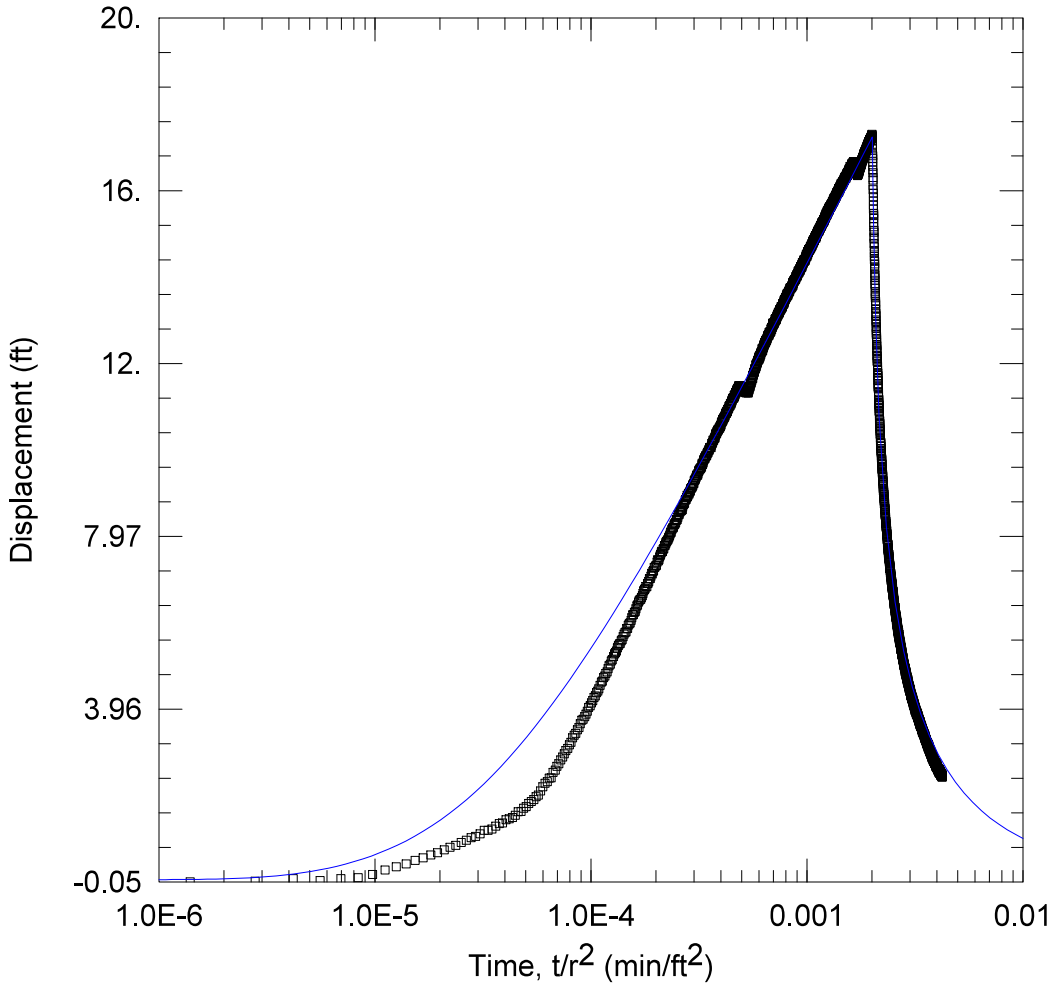
Parameter Correlations

	T	S
T	1.00	-0.87
S	-0.87	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 318.2 ft^2
Variance . . . . . 0.1047 ft^2
Std. Deviation . . . . . 0.3235 ft
Mean . . . . . -0.1132 ft
No. of Residuals 3042
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW28.aqt
Date: 04/11/25 Time: 12:11:40

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW28	961	1611

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1350.3 ft^2/day
S = 0.0001231
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:22:51

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW28

X Location: 961. ft
Y Location: 1611. ft

Radial distance from BM 1B: 846.5612795 ft
Radial distance from BM2A: 900.2221948 ft
Radial distance from BM3: 942.3799658 ft
Radial distance from BM 4 : 791.9911616 ft
Radial distance from BM5: 518.3213289 ft
Radial distance from BM 6: 316.9258588 ft
Radial distance from BM7: 503.867046 ft
Radial distance from BM9: 1113.583854 ft

Fully Penetrating Well

No. of Observations: 3037

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.04974	1520.	12.02
2.	-0.03283	1521.	11.93
3.	0.02175	1522.	11.91
4.	-0.01971	1523.	11.84
5.	0.02369	1524.	11.82
6.	0.0498	1525.	11.78
7.	0.123	1526.	11.76
8.	0.2262	1527.	11.69
9.	0.2993	1528.	11.7
10.	0.366	1529.	11.64
11.	0.4471	1530.	11.59
12.	0.5086	1531.	11.58
13.	0.5701	1532.	11.51
14.	0.6246	1533.	11.48
15.	0.6901	1534.	11.44
16.	0.7555	1535.	11.44
17.	0.7982	1536.	11.4
18.	0.8665	1537.	11.3
19.	0.9173	1538.	11.3
20.	0.9767	1539.	11.27
21.	1.001	1540.	11.24
22.	1.062	1541.	11.2
23.	1.143	1542.	11.15
24.	1.147	1543.	11.12
25.	1.173	1544.	11.07
26.	1.239	1545.	11.04
27.	1.301	1546.	11.02
28.	1.318	1547.	11.01
29.	1.394	1548.	10.96
30.	1.412	1549.	10.92
31.	1.444	1550.	10.88
32.	1.492	1551.	10.87

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.576	1552.	10.8
34.	1.582	1553.	10.81
35.	1.657	1554.	10.75
36.	1.696	1555.	10.77
37.	1.766	1556.	10.71
38.	1.813	1557.	10.68
39.	1.857	1558.	10.65
40.	1.923	1559.	10.59
41.	1.963	1560.	10.58
42.	2.055	1561.	10.56
43.	2.155	1562.	10.51
44.	2.235	1563.	10.46
45.	2.276	1564.	10.46
46.	2.359	1565.	10.42
47.	2.367	1566.	10.4
48.	2.492	1567.	10.34
49.	2.538	1568.	10.35
50.	2.629	1569.	10.32
51.	2.688	1570.	10.31
52.	2.781	1571.	10.24
53.	2.849	1572.	10.25
54.	2.923	1573.	10.19
55.	2.996	1574.	10.15
56.	3.048	1575.	10.15
57.	3.131	1576.	10.12
58.	3.188	1577.	10.12
59.	3.291	1578.	10.06
60.	3.354	1579.	10.06
61.	3.393	1580.	9.997
62.	3.475	1581.	10.
63.	3.529	1582.	9.962
64.	3.616	1583.	9.955
65.	3.698	1584.	9.922
66.	3.719	1585.	9.894
67.	3.785	1586.	9.89
68.	3.84	1587.	9.838
69.	3.911	1588.	9.826
70.	3.998	1589.	9.783
71.	4.031	1590.	9.75
72.	4.101	1591.	9.772
73.	4.155	1592.	9.744
74.	4.231	1593.	9.719
75.	4.261	1594.	9.679
76.	4.34	1595.	9.651
77.	4.379	1596.	9.633
78.	4.424	1597.	9.587
79.	4.51	1598.	9.559
80.	4.583	1599.	9.523
81.	4.608	1600.	9.526
82.	4.688	1601.	9.513
83.	4.726	1602.	9.522
84.	4.785	1603.	9.471
85.	4.819	1604.	9.45
86.	4.898	1605.	9.428
87.	4.959	1606.	9.401
88.	4.996	1607.	9.375
89.	5.074	1608.	9.356
90.	5.102	1609.	9.353
91.	5.178	1610.	9.263
92.	5.236	1611.	9.321
93.	5.268	1612.	9.264
94.	5.305	1613.	9.253
95.	5.382	1614.	9.223
96.	5.429	1615.	9.227
97.	5.468	1616.	9.182
98.	5.481	1617.	9.163

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	5.544	1618.	9.134
100.	5.571	1619.	9.117
101.	5.636	1620.	9.083
102.	5.695	1621.	9.069
103.	5.734	1622.	9.023
104.	5.75	1623.	9.048
105.	5.822	1624.	9.003
106.	5.83	1625.	9.011
107.	5.902	1626.	8.985
108.	5.935	1627.	8.947
109.	5.959	1628.	8.935
110.	6.014	1629.	8.949
111.	6.074	1630.	8.898
112.	6.14	1631.	8.9
113.	6.153	1632.	8.861
114.	6.201	1633.	8.838
115.	6.226	1634.	8.805
116.	6.284	1635.	8.83
117.	6.348	1636.	8.794
118.	6.372	1637.	8.776
119.	6.44	1638.	8.718
120.	6.469	1639.	8.747
121.	6.499	1640.	8.723
122.	6.514	1641.	8.704
123.	6.55	1642.	8.667
124.	6.596	1643.	8.662
125.	6.644	1644.	8.616
126.	6.706	1645.	8.622
127.	6.733	1646.	8.616
128.	6.766	1647.	8.584
129.	6.806	1648.	8.583
130.	6.802	1649.	8.57
131.	6.877	1650.	8.507
132.	6.882	1651.	8.514
133.	6.921	1652.	8.481
134.	6.989	1653.	8.465
135.	6.99	1654.	8.443
136.	7.049	1655.	8.467
137.	7.11	1656.	8.417
138.	7.098	1657.	8.421
139.	7.148	1658.	8.379
140.	7.17	1659.	8.367
141.	7.24	1660.	8.375
142.	7.252	1661.	8.329
143.	7.28	1662.	8.323
144.	7.298	1663.	8.312
145.	7.371	1664.	8.276
146.	7.423	1665.	8.276
147.	7.401	1666.	8.268
148.	7.433	1667.	8.253
149.	7.486	1668.	8.213
150.	7.525	1669.	8.22
151.	7.548	1670.	8.187
152.	7.587	1671.	8.191
153.	7.623	1672.	8.171
154.	7.619	1673.	8.166
155.	7.666	1674.	8.15
156.	7.685	1675.	8.126
157.	7.75	1676.	8.099
158.	7.761	1677.	8.11
159.	7.793	1678.	8.055
160.	7.836	1679.	8.093
161.	7.849	1680.	8.028
162.	7.88	1681.	8.01
163.	7.892	1682.	8.028
164.	7.926	1683.	8.019

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.948	1684.	8.028
166.	7.982	1685.	7.98
167.	8.024	1686.	7.963
168.	8.07	1687.	7.94
169.	8.065	1688.	7.973
170.	8.117	1689.	7.907
171.	8.159	1690.	7.886
172.	8.16	1691.	7.909
173.	8.181	1692.	7.861
174.	8.233	1693.	7.865
175.	8.244	1694.	7.827
176.	8.272	1695.	7.825
177.	8.288	1696.	7.792
178.	8.335	1697.	7.783
179.	8.354	1698.	7.781
180.	8.353	1699.	7.763
181.	8.411	1700.	7.754
182.	8.464	1701.	7.76
183.	8.465	1702.	7.708
184.	8.485	1703.	7.689
185.	8.529	1704.	7.655
186.	8.553	1705.	7.669
187.	8.575	1706.	7.679
188.	8.57	1707.	7.635
189.	8.608	1708.	7.631
190.	8.588	1709.	7.63
191.	8.652	1710.	7.592
192.	8.7	1711.	7.607
193.	8.707	1712.	7.575
194.	8.741	1713.	7.554
195.	8.74	1714.	7.554
196.	8.801	1715.	7.552
197.	8.827	1716.	7.537
198.	8.831	1717.	7.517
199.	8.87	1718.	7.493
200.	8.925	1719.	7.486
201.	8.881	1720.	7.502
202.	8.927	1721.	7.456
203.	8.965	1722.	7.445
204.	8.951	1723.	7.466
205.	8.994	1724.	7.425
206.	9.023	1725.	7.443
207.	9.02	1726.	7.389
208.	9.07	1727.	7.403
209.	9.09	1728.	7.415
210.	9.1	1729.	7.376
211.	9.118	1730.	7.363
212.	9.161	1731.	7.294
213.	9.158	1732.	7.332
214.	9.2	1733.	7.304
215.	9.2	1734.	7.287
216.	9.259	1735.	7.3
217.	9.274	1736.	7.262
218.	9.292	1737.	7.272
219.	9.303	1738.	7.262
220.	9.335	1739.	7.248
221.	9.369	1740.	7.222
222.	9.396	1741.	7.223
223.	9.39	1742.	7.223
224.	9.393	1743.	7.205
225.	9.431	1744.	7.182
226.	9.471	1745.	7.165
227.	9.504	1746.	7.168
228.	9.508	1747.	7.15
229.	9.53	1748.	7.117
230.	9.545	1749.	7.118

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	9.54	1750.	7.094
232.	9.561	1751.	7.106
233.	9.576	1752.	7.104
234.	9.629	1753.	7.083
235.	9.669	1754.	7.054
236.	9.634	1755.	7.054
237.	9.672	1756.	7.033
238.	9.719	1757.	7.05
239.	9.74	1758.	7.017
240.	9.753	1759.	7.024
241.	9.795	1760.	7.002
242.	9.776	1761.	6.98
243.	9.815	1762.	6.96
244.	9.835	1763.	6.967
245.	9.831	1764.	6.956
246.	9.844	1765.	6.929
247.	9.885	1766.	6.936
248.	9.908	1767.	6.931
249.	9.91	1768.	6.919
250.	9.914	1769.	6.914
251.	9.948	1770.	6.91
252.	9.976	1771.	6.878
253.	9.97	1772.	6.886
254.	10.02	1773.	6.877
255.	10.03	1774.	6.862
256.	10.03	1775.	6.862
257.	10.04	1776.	6.809
258.	10.03	1777.	6.79
259.	10.08	1778.	6.801
260.	10.12	1779.	6.817
261.	10.12	1780.	6.768
262.	10.15	1781.	6.793
263.	10.16	1782.	6.763
264.	10.2	1783.	6.753
265.	10.2	1784.	6.763
266.	10.2	1785.	6.703
267.	10.25	1786.	6.762
268.	10.26	1787.	6.723
269.	10.26	1788.	6.707
270.	10.29	1789.	6.692
271.	10.34	1790.	6.683
272.	10.35	1791.	6.692
273.	10.36	1792.	6.69
274.	10.35	1793.	6.664
275.	10.39	1794.	6.656
276.	10.39	1795.	6.662
277.	10.41	1796.	6.614
278.	10.43	1797.	6.642
279.	10.45	1798.	6.613
280.	10.44	1799.	6.605
281.	10.48	1800.	6.617
282.	10.49	1801.	6.586
283.	10.49	1802.	6.578
284.	10.52	1803.	6.592
285.	10.52	1804.	6.568
286.	10.54	1805.	6.538
287.	10.56	1806.	6.543
288.	10.61	1807.	6.541
289.	10.61	1808.	6.537
290.	10.63	1809.	6.51
291.	10.64	1810.	6.495
292.	10.68	1811.	6.479
293.	10.66	1812.	6.499
294.	10.7	1813.	6.442
295.	10.7	1814.	6.477
296.	10.72	1815.	6.463

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	10.74	1816.	6.435
298.	10.73	1817.	6.398
299.	10.76	1818.	6.422
300.	10.78	1819.	6.404
301.	10.81	1820.	6.389
302.	10.83	1821.	6.378
303.	10.84	1822.	6.397
304.	10.82	1823.	6.365
305.	10.86	1824.	6.373
306.	10.87	1825.	6.362
307.	10.88	1826.	6.323
308.	10.86	1827.	6.328
309.	10.92	1828.	6.351
310.	10.92	1829.	6.32
311.	10.94	1830.	6.325
312.	10.94	1831.	6.321
313.	10.99	1832.	6.306
314.	11.	1833.	6.318
315.	11.	1834.	6.3
316.	11.	1835.	6.279
317.	11.05	1836.	6.28
318.	11.05	1837.	6.239
319.	11.04	1838.	6.234
320.	11.07	1839.	6.207
321.	11.09	1840.	6.249
322.	11.1	1841.	6.218
323.	11.11	1842.	6.204
324.	11.13	1843.	6.185
325.	11.17	1844.	6.177
326.	11.18	1845.	6.187
327.	11.18	1846.	6.192
328.	11.18	1847.	6.159
329.	11.18	1848.	6.149
330.	11.24	1849.	6.131
331.	11.2	1850.	6.122
332.	11.25	1851.	6.116
333.	11.24	1852.	6.111
334.	11.27	1853.	6.127
335.	11.3	1854.	6.086
336.	11.3	1855.	6.109
337.	11.3	1856.	6.101
338.	11.34	1857.	6.085
339.	11.33	1858.	6.11
340.	11.37	1859.	6.077
341.	11.35	1860.	6.068
342.	11.38	1861.	6.062
343.	11.39	1862.	6.05
344.	11.41	1863.	6.016
345.	11.41	1864.	6.016
346.	11.46	1865.	6.017
347.	11.44	1866.	6.03
348.	11.47	1867.	5.996
349.	11.46	1868.	5.976
350.	11.47	1869.	5.977
351.	11.46	1870.	5.968
352.	11.46	1871.	5.974
353.	11.46	1872.	5.989
354.	11.44	1873.	5.96
355.	11.44	1874.	5.898
356.	11.43	1875.	5.952
357.	11.4	1876.	5.916
358.	11.41	1877.	5.922
359.	11.4	1878.	5.918
360.	11.38	1879.	5.931
361.	11.37	1880.	5.897
362.	11.37	1881.	5.912

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	11.36	1882.	5.893
364.	11.36	1883.	5.846
365.	11.37	1884.	5.87
366.	11.34	1885.	5.868
367.	11.35	1886.	5.843
368.	11.32	1887.	5.847
369.	11.33	1888.	5.815
370.	11.33	1889.	5.811
371.	11.32	1890.	5.784
372.	11.32	1891.	5.801
373.	11.31	1892.	5.782
374.	11.3	1893.	5.793
375.	11.29	1894.	5.757
376.	11.31	1895.	5.772
377.	11.32	1896.	5.775
378.	11.32	1897.	5.748
379.	11.3	1898.	5.765
380.	11.3	1899.	5.727
381.	11.34	1900.	5.794
382.	11.32	1901.	5.743
383.	11.3	1902.	5.702
384.	11.3	1903.	5.706
385.	11.34	1904.	5.723
386.	11.36	1905.	5.74
387.	11.37	1906.	5.693
388.	11.4	1907.	5.699
389.	11.44	1908.	5.688
390.	11.44	1909.	5.694
391.	11.43	1910.	5.66
392.	11.47	1911.	5.694
393.	11.5	1912.	5.647
394.	11.53	1913.	5.649
395.	11.52	1914.	5.646
396.	11.54	1915.	5.632
397.	11.58	1916.	5.624
398.	11.58	1917.	5.646
399.	11.61	1918.	5.609
400.	11.62	1919.	5.629
401.	11.66	1920.	5.6
402.	11.63	1921.	5.599
403.	11.7	1922.	5.566
404.	11.71	1923.	5.592
405.	11.72	1924.	5.589
406.	11.74	1925.	5.559
407.	11.78	1926.	5.57
408.	11.77	1927.	5.542
409.	11.8	1928.	5.576
410.	11.78	1929.	5.531
411.	11.84	1930.	5.533
412.	11.86	1931.	5.548
413.	11.85	1932.	5.501
414.	11.86	1933.	5.507
415.	11.87	1934.	5.514
416.	11.94	1935.	5.53
417.	11.94	1936.	5.511
418.	11.91	1937.	5.506
419.	11.97	1938.	5.518
420.	11.95	1939.	5.498
421.	11.99	1940.	5.494
422.	12.	1941.	5.475
423.	11.99	1942.	5.504
424.	12.02	1943.	5.47
425.	12.05	1944.	5.467
426.	12.06	1945.	5.435
427.	12.07	1946.	5.456
428.	12.09	1947.	5.425

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	12.1	1948.	5.431
430.	12.13	1949.	5.412
431.	12.08	1950.	5.4
432.	12.11	1951.	5.405
433.	12.13	1952.	5.402
434.	12.17	1953.	5.387
435.	12.17	1954.	5.388
436.	12.13	1955.	5.352
437.	12.19	1956.	5.366
438.	12.18	1957.	5.344
439.	12.22	1958.	5.35
440.	12.23	1959.	5.331
441.	12.25	1960.	5.371
442.	12.25	1961.	5.364
443.	12.27	1962.	5.346
444.	12.27	1963.	5.343
445.	12.32	1964.	5.307
446.	12.33	1965.	5.336
447.	12.28	1966.	5.32
448.	12.32	1967.	5.312
449.	12.33	1968.	5.299
450.	12.35	1969.	5.296
451.	12.35	1970.	5.299
452.	12.38	1971.	5.299
453.	12.39	1972.	5.278
454.	12.4	1973.	5.277
455.	12.42	1974.	5.247
456.	12.43	1975.	5.233
457.	12.44	1976.	5.229
458.	12.46	1977.	5.244
459.	12.47	1978.	5.237
460.	12.48	1979.	5.224
461.	12.48	1980.	5.207
462.	12.46	1981.	5.233
463.	12.52	1982.	5.204
464.	12.52	1983.	5.211
465.	12.52	1984.	5.183
466.	12.51	1985.	5.197
467.	12.51	1986.	5.178
468.	12.54	1987.	5.177
469.	12.56	1988.	5.188
470.	12.57	1989.	5.185
471.	12.61	1990.	5.169
472.	12.59	1991.	5.141
473.	12.61	1992.	5.152
474.	12.63	1993.	5.125
475.	12.63	1994.	5.16
476.	12.64	1995.	5.164
477.	12.65	1996.	5.125
478.	12.66	1997.	5.143
479.	12.64	1998.	5.104
480.	12.69	1999.	5.118
481.	12.67	2000.	5.101
482.	12.71	2001.	5.097
483.	12.69	2002.	5.094
484.	12.7	2003.	5.103
485.	12.72	2004.	5.079
486.	12.71	2005.	5.068
487.	12.72	2006.	5.079
488.	12.72	2007.	5.079
489.	12.77	2008.	5.055
490.	12.78	2009.	5.02
491.	12.79	2010.	5.069
492.	12.76	2011.	5.068
493.	12.81	2012.	5.009
494.	12.82	2013.	5.04

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	12.83	2014.	5.011
496.	12.83	2015.	5.03
497.	12.9	2016.	4.995
498.	12.85	2017.	5.009
499.	12.86	2018.	4.974
500.	12.92	2019.	4.999
501.	12.89	2020.	4.987
502.	12.88	2021.	5.002
503.	12.91	2022.	4.999
504.	12.9	2023.	4.979
505.	12.93	2024.	4.985
506.	12.93	2025.	4.987
507.	12.92	2026.	4.972
508.	12.94	2027.	4.951
509.	12.96	2028.	4.963
510.	12.95	2029.	4.928
511.	13.01	2030.	4.926
512.	12.99	2031.	4.952
513.	12.98	2032.	4.908
514.	12.98	2033.	4.917
515.	13.03	2034.	4.904
516.	13.	2035.	4.913
517.	13.03	2036.	4.915
518.	13.03	2037.	4.907
519.	13.01	2038.	4.898
520.	13.06	2039.	4.914
521.	13.05	2040.	4.912
522.	13.08	2041.	4.879
523.	13.09	2042.	4.886
524.	13.08	2043.	4.883
525.	13.11	2044.	4.886
526.	13.12	2045.	4.837
527.	13.11	2046.	4.861
528.	13.1	2047.	4.844
529.	13.16	2048.	4.856
530.	13.15	2049.	4.843
531.	13.15	2050.	4.822
532.	13.15	2051.	4.823
533.	13.18	2052.	4.81
534.	13.15	2053.	4.829
535.	13.17	2054.	4.823
536.	13.2	2055.	4.815
537.	13.22	2056.	4.833
538.	13.23	2057.	4.831
539.	13.2	2058.	4.829
540.	13.22	2059.	4.785
541.	13.23	2060.	4.791
542.	13.24	2061.	4.771
543.	13.23	2062.	4.773
544.	13.26	2063.	4.817
545.	13.26	2064.	4.782
546.	13.3	2065.	4.75
547.	13.26	2066.	4.761
548.	13.31	2067.	4.748
549.	13.31	2068.	4.757
550.	13.27	2069.	4.774
551.	13.3	2070.	4.744
552.	13.3	2071.	4.732
553.	13.3	2072.	4.746
554.	13.34	2073.	4.723
555.	13.38	2074.	4.714
556.	13.36	2075.	4.717
557.	13.36	2076.	4.741
558.	13.38	2077.	4.716
559.	13.38	2078.	4.726
560.	13.36	2079.	4.703

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	13.38	2080.	4.682
562.	13.43	2081.	4.705
563.	13.44	2082.	4.689
564.	13.4	2083.	4.667
565.	13.45	2084.	4.69
566.	13.44	2085.	4.672
567.	13.46	2086.	4.662
568.	13.46	2087.	4.659
569.	13.47	2088.	4.699
570.	13.47	2089.	4.64
571.	13.49	2090.	4.651
572.	13.51	2091.	4.648
573.	13.49	2092.	4.648
574.	13.51	2093.	4.623
575.	13.5	2094.	4.625
576.	13.52	2095.	4.627
577.	13.55	2096.	4.64
578.	13.55	2097.	4.63
579.	13.53	2098.	4.624
580.	13.58	2099.	4.621
581.	13.54	2100.	4.619
582.	13.61	2101.	4.608
583.	13.58	2102.	4.611
584.	13.56	2103.	4.59
585.	13.57	2104.	4.59
586.	13.57	2105.	4.564
587.	13.6	2106.	4.569
588.	13.62	2107.	4.645
589.	13.61	2108.	4.564
590.	13.62	2109.	4.592
591.	13.63	2110.	4.555
592.	13.65	2111.	4.565
593.	13.64	2112.	4.581
594.	13.65	2113.	4.558
595.	13.68	2114.	4.544
596.	13.65	2115.	4.528
597.	13.64	2116.	4.557
598.	13.68	2117.	4.552
599.	13.71	2118.	4.535
600.	13.73	2119.	4.511
601.	13.71	2120.	4.509
602.	13.71	2121.	4.513
603.	13.72	2122.	4.514
604.	13.74	2123.	4.492
605.	13.72	2124.	4.49
606.	13.73	2125.	4.498
607.	13.74	2126.	4.489
608.	13.74	2127.	4.492
609.	13.77	2128.	4.488
610.	13.77	2129.	4.494
611.	13.77	2130.	4.512
612.	13.76	2131.	4.484
613.	13.79	2132.	4.489
614.	13.8	2133.	4.443
615.	13.8	2134.	4.49
616.	13.84	2135.	4.481
617.	13.85	2136.	4.437
618.	13.79	2137.	4.445
619.	13.87	2138.	4.444
620.	13.84	2139.	4.457
621.	13.87	2140.	4.463
622.	13.86	2141.	4.425
623.	13.87	2142.	4.45
624.	13.87	2143.	4.44
625.	13.89	2144.	4.42
626.	13.9	2145.	4.41

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	13.9	2146.	4.41
628.	13.89	2147.	4.429
629.	13.91	2148.	4.397
630.	13.93	2149.	4.418
631.	13.93	2150.	4.408
632.	13.92	2151.	4.377
633.	13.93	2152.	4.428
634.	13.93	2153.	4.394
635.	13.93	2154.	4.412
636.	13.95	2155.	4.373
637.	13.95	2156.	4.395
638.	14.	2157.	4.364
639.	13.98	2158.	4.372
640.	14.	2159.	4.413
641.	13.99	2160.	4.373
642.	14.03	2161.	4.369
643.	14.02	2162.	4.356
644.	14.	2163.	4.345
645.	14.03	2164.	4.361
646.	14.04	2165.	4.328
647.	14.02	2166.	4.388
648.	14.03	2167.	4.342
649.	14.04	2168.	4.327
650.	14.04	2169.	4.344
651.	14.07	2170.	4.311
652.	14.06	2171.	4.316
653.	14.1	2172.	4.305
654.	14.12	2173.	4.293
655.	14.1	2174.	4.275
656.	14.11	2175.	4.263
657.	14.09	2176.	4.302
658.	14.13	2177.	4.306
659.	14.11	2178.	4.301
660.	14.11	2179.	4.274
661.	14.15	2180.	4.283
662.	14.14	2181.	4.293
663.	14.18	2182.	4.278
664.	14.16	2183.	4.254
665.	14.16	2184.	4.258
666.	14.15	2185.	4.266
667.	14.14	2186.	4.239
668.	14.17	2187.	4.283
669.	14.2	2188.	4.276
670.	14.18	2189.	4.241
671.	14.19	2190.	4.266
672.	14.23	2191.	4.265
673.	14.2	2192.	4.237
674.	14.2	2193.	4.249
675.	14.2	2194.	4.237
676.	14.22	2195.	4.246
677.	14.23	2196.	4.193
678.	14.21	2197.	4.242
679.	14.27	2198.	4.217
680.	14.23	2199.	4.205
681.	14.26	2200.	4.233
682.	14.26	2201.	4.202
683.	14.3	2202.	4.207
684.	14.32	2203.	4.211
685.	14.29	2204.	4.205
686.	14.31	2205.	4.195
687.	14.29	2206.	4.19
688.	14.32	2207.	4.176
689.	14.32	2208.	4.185
690.	14.34	2209.	4.193
691.	14.32	2210.	4.2
692.	14.34	2211.	4.177

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	14.36	2212.	4.19
694.	14.35	2213.	4.167
695.	14.35	2214.	4.196
696.	14.38	2215.	4.179
697.	14.37	2216.	4.165
698.	14.39	2217.	4.139
699.	14.37	2218.	4.158
700.	14.4	2219.	4.137
701.	14.37	2220.	4.149
702.	14.36	2221.	4.124
703.	14.39	2222.	4.122
704.	14.4	2223.	4.123
705.	14.41	2224.	4.148
706.	14.43	2225.	4.126
707.	14.43	2226.	4.126
708.	14.43	2227.	4.117
709.	14.46	2228.	4.143
710.	14.43	2229.	4.11
711.	14.46	2230.	4.114
712.	14.46	2231.	4.089
713.	14.5	2232.	4.097
714.	14.46	2233.	4.075
715.	14.48	2234.	4.122
716.	14.51	2235.	4.081
717.	14.49	2236.	4.11
718.	14.47	2237.	4.076
719.	14.51	2238.	4.086
720.	14.52	2239.	4.098
721.	14.54	2240.	4.093
722.	14.54	2241.	4.082
723.	14.57	2242.	4.075
724.	14.52	2243.	4.052
725.	14.56	2244.	4.069
726.	14.58	2245.	4.081
727.	14.57	2246.	4.053
728.	14.57	2247.	4.081
729.	14.56	2248.	4.079
730.	14.56	2249.	4.036
731.	14.6	2250.	4.035
732.	14.62	2251.	4.03
733.	14.61	2252.	4.045
734.	14.6	2253.	4.015
735.	14.61	2254.	4.029
736.	14.64	2255.	3.996
737.	14.63	2256.	4.057
738.	14.63	2257.	4.049
739.	14.64	2258.	4.043
740.	14.63	2259.	3.996
741.	14.64	2260.	4.028
742.	14.66	2261.	4.011
743.	14.67	2262.	4.034
744.	14.66	2263.	3.997
745.	14.7	2264.	4.015
746.	14.7	2265.	3.98
747.	14.66	2266.	4.001
748.	14.68	2267.	3.996
749.	14.68	2268.	3.973
750.	14.7	2269.	3.978
751.	14.71	2270.	3.975
752.	14.73	2271.	3.948
753.	14.7	2272.	3.991
754.	14.71	2273.	3.97
755.	14.72	2274.	3.925
756.	14.71	2275.	3.991
757.	14.73	2276.	3.966
758.	14.76	2277.	3.98

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	14.75	2278.	3.95
760.	14.76	2279.	3.929
761.	14.76	2280.	3.944
762.	14.8	2281.	3.979
763.	14.81	2282.	3.955
764.	14.77	2283.	3.952
765.	14.82	2284.	3.943
766.	14.77	2285.	3.92
767.	14.81	2286.	3.931
768.	14.83	2287.	3.943
769.	14.81	2288.	3.943
770.	14.82	2289.	3.931
771.	14.84	2290.	3.915
772.	14.83	2291.	3.921
773.	14.82	2292.	3.914
774.	14.84	2293.	3.883
775.	14.84	2294.	3.892
776.	14.86	2295.	3.89
777.	14.87	2296.	3.905
778.	14.89	2297.	3.923
779.	14.84	2298.	3.893
780.	14.89	2299.	3.891
781.	14.9	2300.	3.894
782.	14.9	2301.	3.892
783.	14.91	2302.	3.848
784.	14.91	2303.	3.886
785.	14.95	2304.	3.884
786.	14.91	2305.	3.901
787.	14.94	2306.	3.869
788.	14.91	2307.	3.89
789.	14.89	2308.	3.856
790.	14.92	2309.	3.868
791.	14.94	2310.	3.876
792.	14.95	2311.	3.901
793.	14.94	2312.	3.875
794.	14.93	2313.	3.853
795.	14.94	2314.	3.865
796.	14.97	2315.	3.834
797.	14.97	2316.	3.874
798.	15.	2317.	3.846
799.	15.	2318.	3.835
800.	14.98	2319.	3.869
801.	15.02	2320.	3.831
802.	15.	2321.	3.831
803.	15.01	2322.	3.808
804.	15.04	2323.	3.837
805.	15.03	2324.	3.849
806.	15.04	2325.	3.805
807.	15.05	2326.	3.856
808.	15.06	2327.	3.819
809.	15.04	2328.	3.827
810.	15.04	2329.	3.811
811.	15.06	2330.	3.86
812.	15.05	2331.	3.808
813.	15.04	2332.	3.793
814.	15.08	2333.	3.818
815.	15.07	2334.	3.792
816.	15.09	2335.	3.806
817.	15.06	2336.	3.816
818.	15.09	2337.	3.758
819.	15.11	2338.	3.808
820.	15.12	2339.	3.776
821.	15.11	2340.	3.793
822.	15.11	2341.	3.768
823.	15.13	2342.	3.765
824.	15.11	2343.	3.792

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	15.11	2344.	3.783
826.	15.15	2345.	3.804
827.	15.16	2346.	3.744
828.	15.15	2347.	3.758
829.	15.16	2348.	3.755
830.	15.16	2349.	3.786
831.	15.19	2350.	3.761
832.	15.19	2351.	3.739
833.	15.17	2352.	3.774
834.	15.17	2353.	3.728
835.	15.17	2354.	3.753
836.	15.2	2355.	3.731
837.	15.17	2356.	3.73
838.	15.2	2357.	3.736
839.	15.2	2358.	3.72
840.	15.2	2359.	3.728
841.	15.23	2360.	3.711
842.	15.24	2361.	3.753
843.	15.22	2362.	3.724
844.	15.24	2363.	3.725
845.	15.24	2364.	3.717
846.	15.24	2365.	3.69
847.	15.25	2366.	3.725
848.	15.27	2367.	3.706
849.	15.26	2368.	3.703
850.	15.25	2369.	3.685
851.	15.25	2370.	3.685
852.	15.26	2371.	3.689
853.	15.27	2372.	3.672
854.	15.28	2373.	3.689
855.	15.3	2374.	3.709
856.	15.32	2375.	3.675
857.	15.29	2376.	3.692
858.	15.28	2377.	3.706
859.	15.29	2378.	3.688
860.	15.29	2379.	3.673
861.	15.31	2380.	3.661
862.	15.32	2381.	3.662
863.	15.3	2382.	3.67
864.	15.32	2383.	3.693
865.	15.32	2384.	3.661
866.	15.36	2385.	3.633
867.	15.36	2386.	3.634
868.	15.34	2387.	3.662
869.	15.35	2388.	3.619
870.	15.39	2389.	3.638
871.	15.38	2390.	3.675
872.	15.35	2391.	3.644
873.	15.37	2392.	3.605
874.	15.37	2393.	3.649
875.	15.4	2394.	3.665
876.	15.37	2395.	3.647
877.	15.41	2396.	3.646
878.	15.45	2397.	3.591
879.	15.43	2398.	3.622
880.	15.4	2399.	3.648
881.	15.43	2400.	3.62
882.	15.41	2401.	3.615
883.	15.46	2402.	3.619
884.	15.46	2403.	3.663
885.	15.42	2404.	3.599
886.	15.44	2405.	3.598
887.	15.45	2406.	3.622
888.	15.44	2407.	3.611
889.	15.47	2408.	3.618
890.	15.48	2409.	3.582

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	15.48	2410.	3.579
892.	15.51	2411.	3.604
893.	15.51	2412.	3.61
894.	15.47	2413.	3.555
895.	15.48	2414.	3.57
896.	15.49	2415.	3.589
897.	15.5	2416.	3.569
898.	15.49	2417.	3.575
899.	15.51	2418.	3.559
900.	15.54	2419.	3.565
901.	15.52	2420.	3.581
902.	15.54	2421.	3.565
903.	15.54	2422.	3.557
904.	15.52	2423.	3.55
905.	15.58	2424.	3.551
906.	15.54	2425.	3.555
907.	15.54	2426.	3.551
908.	15.54	2427.	3.545
909.	15.54	2428.	3.538
910.	15.58	2429.	3.536
911.	15.59	2430.	3.546
912.	15.57	2431.	3.549
913.	15.58	2432.	3.564
914.	15.58	2433.	3.552
915.	15.6	2434.	3.539
916.	15.59	2435.	3.523
917.	15.62	2436.	3.522
918.	15.6	2437.	3.494
919.	15.62	2438.	3.52
920.	15.61	2439.	3.519
921.	15.61	2440.	3.552
922.	15.63	2441.	3.512
923.	15.65	2442.	3.495
924.	15.61	2443.	3.491
925.	15.62	2444.	3.478
926.	15.64	2445.	3.514
927.	15.63	2446.	3.497
928.	15.64	2447.	3.516
929.	15.67	2448.	3.481
930.	15.66	2449.	3.489
931.	15.65	2450.	3.464
932.	15.69	2451.	3.502
933.	15.68	2452.	3.463
934.	15.69	2453.	3.488
935.	15.66	2454.	3.485
936.	15.7	2455.	3.491
937.	15.68	2456.	3.425
938.	15.69	2457.	3.461
939.	15.69	2458.	3.484
940.	15.73	2459.	3.489
941.	15.72	2460.	3.457
942.	15.72	2461.	3.453
943.	15.74	2462.	3.464
944.	15.73	2463.	3.446
945.	15.73	2464.	3.467
946.	15.73	2465.	3.434
947.	15.74	2466.	3.448
948.	15.72	2467.	3.45
949.	15.75	2468.	3.446
950.	15.78	2469.	3.424
951.	15.76	2470.	3.413
952.	15.77	2471.	3.434
953.	15.75	2472.	3.431
954.	15.77	2473.	3.405
955.	15.75	2474.	3.437
956.	15.78	2475.	3.446

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	15.77	2476.	3.442
958.	15.82	2477.	3.443
959.	15.8	2478.	3.422
960.	15.79	2479.	3.44
961.	15.8	2480.	3.435
962.	15.8	2481.	3.425
963.	15.81	2482.	3.445
964.	15.81	2483.	3.402
965.	15.82	2484.	3.395
966.	15.82	2485.	3.389
967.	15.82	2486.	3.391
968.	15.82	2487.	3.368
969.	15.84	2488.	3.393
970.	15.84	2489.	3.417
971.	15.86	2490.	3.376
972.	15.83	2491.	3.403
973.	15.83	2492.	3.397
974.	15.86	2493.	3.382
975.	15.87	2494.	3.378
976.	15.85	2495.	3.379
977.	15.85	2496.	3.376
978.	15.89	2497.	3.397
979.	15.88	2498.	3.363
980.	15.88	2499.	3.375
981.	15.9	2500.	3.36
982.	15.89	2501.	3.367
983.	15.9	2502.	3.38
984.	15.88	2503.	3.358
985.	15.93	2504.	3.36
986.	15.94	2505.	3.326
987.	15.93	2506.	3.35
988.	15.92	2507.	3.36
989.	15.94	2508.	3.34
990.	15.94	2509.	3.345
991.	15.92	2510.	3.364
992.	15.95	2511.	3.313
993.	15.93	2512.	3.327
994.	15.95	2513.	3.326
995.	15.95	2514.	3.312
996.	15.97	2515.	3.333
997.	15.96	2516.	3.33
998.	15.99	2517.	3.343
999.	15.96	2518.	3.347
1000.	15.97	2519.	3.328
1001.	15.95	2520.	3.304
1002.	15.98	2521.	3.295
1003.	15.98	2522.	3.348
1004.	16.01	2523.	3.301
1005.	16.	2524.	3.331
1006.	16.02	2525.	3.31
1007.	16.01	2526.	3.277
1008.	16.04	2527.	3.322
1009.	15.97	2528.	3.3
1010.	16.	2529.	3.274
1011.	16.01	2530.	3.262
1012.	16.03	2531.	3.307
1013.	16.03	2532.	3.292
1014.	16.03	2533.	3.293
1015.	16.05	2534.	3.302
1016.	16.03	2535.	3.279
1017.	16.07	2536.	3.272
1018.	16.07	2537.	3.271
1019.	16.07	2538.	3.247
1020.	16.05	2539.	3.281
1021.	16.03	2540.	3.239
1022.	16.05	2541.	3.257

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	16.08	2542.	3.259
1024.	16.07	2543.	3.265
1025.	16.09	2544.	3.239
1026.	16.11	2545.	3.26
1027.	16.1	2546.	3.233
1028.	16.08	2547.	3.237
1029.	16.09	2548.	3.222
1030.	16.09	2549.	3.242
1031.	16.12	2550.	3.262
1032.	16.09	2551.	3.241
1033.	16.12	2552.	3.236
1034.	16.14	2553.	3.221
1035.	16.14	2554.	3.221
1036.	16.11	2555.	3.225
1037.	16.15	2556.	3.196
1038.	16.13	2557.	3.233
1039.	16.14	2558.	3.255
1040.	16.13	2559.	3.241
1041.	16.16	2560.	3.223
1042.	16.13	2561.	3.229
1043.	16.17	2562.	3.227
1044.	16.12	2563.	3.193
1045.	16.15	2564.	3.195
1046.	16.14	2565.	3.175
1047.	16.16	2566.	3.214
1048.	16.16	2567.	3.203
1049.	16.16	2568.	3.202
1050.	16.15	2569.	3.2
1051.	16.17	2570.	3.19
1052.	16.21	2571.	3.2
1053.	16.19	2572.	3.192
1054.	16.2	2573.	3.174
1055.	16.19	2574.	3.192
1056.	16.2	2575.	3.175
1057.	16.2	2576.	3.168
1058.	16.21	2577.	3.185
1059.	16.2	2578.	3.164
1060.	16.22	2579.	3.191
1061.	16.24	2580.	3.184
1062.	16.21	2581.	3.166
1063.	16.23	2582.	3.141
1064.	16.22	2583.	3.159
1065.	16.22	2584.	3.176
1066.	16.23	2585.	3.167
1067.	16.25	2586.	3.19
1068.	16.23	2587.	3.156
1069.	16.27	2588.	3.137
1070.	16.24	2589.	3.123
1071.	16.27	2590.	3.142
1072.	16.25	2591.	3.165
1073.	16.27	2592.	3.136
1074.	16.27	2593.	3.116
1075.	16.3	2594.	3.129
1076.	16.26	2595.	3.164
1077.	16.26	2596.	3.151
1078.	16.28	2597.	3.135
1079.	16.3	2598.	3.154
1080.	16.28	2599.	3.149
1081.	16.31	2600.	3.125
1082.	16.29	2601.	3.14
1083.	16.3	2602.	3.132
1084.	16.3	2603.	3.148
1085.	16.32	2604.	3.12
1086.	16.3	2605.	3.104
1087.	16.27	2606.	3.135
1088.	16.3	2607.	3.133

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	16.31	2608.	3.115
1090.	16.32	2609.	3.116
1091.	16.33	2610.	3.11
1092.	16.34	2611.	3.142
1093.	16.34	2612.	3.065
1094.	16.32	2613.	3.107
1095.	16.37	2614.	3.083
1096.	16.35	2615.	3.093
1097.	16.35	2616.	3.089
1098.	16.35	2617.	3.096
1099.	16.35	2618.	3.1
1100.	16.39	2619.	3.099
1101.	16.39	2620.	3.076
1102.	16.36	2621.	3.085
1103.	16.37	2622.	3.083
1104.	16.39	2623.	3.074
1105.	16.39	2624.	3.101
1106.	16.34	2625.	3.096
1107.	16.39	2626.	3.093
1108.	16.4	2627.	3.076
1109.	16.4	2628.	3.116
1110.	16.39	2629.	3.093
1111.	16.4	2630.	3.046
1112.	16.42	2631.	3.075
1113.	16.43	2632.	3.047
1114.	16.42	2633.	3.04
1115.	16.4	2634.	3.022
1116.	16.43	2635.	3.064
1117.	16.43	2636.	3.071
1118.	16.44	2637.	3.04
1119.	16.44	2638.	3.051
1120.	16.44	2639.	3.052
1121.	16.43	2640.	3.026
1122.	16.43	2641.	3.067
1123.	16.46	2642.	3.024
1124.	16.46	2643.	3.042
1125.	16.49	2644.	3.034
1126.	16.45	2645.	3.04
1127.	16.44	2646.	3.029
1128.	16.45	2647.	3.069
1129.	16.48	2648.	3.034
1130.	16.47	2649.	3.039
1131.	16.5	2650.	3.
1132.	16.47	2651.	3.021
1133.	16.51	2652.	3.027
1134.	16.49	2653.	3.037
1135.	16.49	2654.	3.003
1136.	16.55	2655.	3.007
1137.	16.48	2656.	3.026
1138.	16.49	2657.	3.018
1139.	16.53	2658.	3.
1140.	16.49	2659.	2.999
1141.	16.53	2660.	2.965
1142.	16.53	2661.	2.999
1143.	16.52	2662.	2.998
1144.	16.54	2663.	2.99
1145.	16.52	2664.	2.964
1146.	16.55	2665.	3.014
1147.	16.54	2666.	2.985
1148.	16.54	2667.	2.992
1149.	16.52	2668.	2.993
1150.	16.56	2669.	2.972
1151.	16.49	2670.	2.989
1152.	16.53	2671.	2.972
1153.	16.57	2672.	2.957
1154.	16.56	2673.	2.985

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	16.54	2674.	2.992
1156.	16.56	2675.	2.988
1157.	16.61	2676.	2.956
1158.	16.58	2677.	2.962
1159.	16.55	2678.	2.975
1160.	16.57	2679.	2.987
1161.	16.6	2680.	2.962
1162.	16.58	2681.	2.979
1163.	16.59	2682.	2.958
1164.	16.62	2683.	2.964
1165.	16.6	2684.	2.956
1166.	16.6	2685.	2.937
1167.	16.58	2686.	2.945
1168.	16.63	2687.	2.932
1169.	16.6	2688.	2.919
1170.	16.62	2689.	2.915
1171.	16.62	2690.	2.938
1172.	16.62	2691.	2.94
1173.	16.63	2692.	2.912
1174.	16.64	2693.	2.946
1175.	16.62	2694.	2.934
1176.	16.65	2695.	2.913
1177.	16.65	2696.	2.948
1178.	16.67	2697.	2.9
1179.	16.62	2698.	2.928
1180.	16.67	2699.	2.929
1181.	16.64	2700.	2.925
1182.	16.65	2701.	2.937
1183.	16.67	2702.	2.939
1184.	16.66	2703.	2.894
1185.	16.66	2704.	2.888
1186.	16.64	2705.	2.898
1187.	16.65	2706.	2.895
1188.	16.63	2707.	2.907
1189.	16.64	2708.	2.906
1190.	16.65	2709.	2.881
1191.	16.61	2710.	2.922
1192.	16.61	2711.	2.918
1193.	16.59	2712.	2.884
1194.	16.57	2713.	2.848
1195.	16.57	2714.	2.906
1196.	16.55	2715.	2.89
1197.	16.56	2716.	2.901
1198.	16.6	2717.	2.854
1199.	16.57	2718.	2.888
1200.	16.58	2719.	2.877
1201.	16.53	2720.	2.864
1202.	16.55	2721.	2.859
1203.	16.5	2722.	2.863
1204.	16.52	2723.	2.9
1205.	16.53	2724.	2.892
1206.	16.53	2725.	2.849
1207.	16.48	2726.	2.87
1208.	16.45	2727.	2.885
1209.	16.48	2728.	2.84
1210.	16.5	2729.	2.891
1211.	16.5	2730.	2.828
1212.	16.44	2731.	2.82
1213.	16.45	2732.	2.847
1214.	16.45	2733.	2.836
1215.	16.43	2734.	2.844
1216.	16.42	2735.	2.876
1217.	16.44	2736.	2.86
1218.	16.43	2737.	2.835
1219.	16.44	2738.	2.802
1220.	16.4	2739.	2.871

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	16.41	2740.	2.841
1222.	16.38	2741.	2.812
1223.	16.37	2742.	2.826
1224.	16.38	2743.	2.822
1225.	16.38	2744.	2.845
1226.	16.37	2745.	2.842
1227.	16.39	2746.	2.806
1228.	16.34	2747.	2.843
1229.	16.38	2748.	2.827
1230.	16.35	2749.	2.811
1231.	16.36	2750.	2.814
1232.	16.38	2751.	2.814
1233.	16.35	2752.	2.839
1234.	16.36	2753.	2.815
1235.	16.38	2754.	2.806
1236.	16.4	2755.	2.802
1237.	16.4	2756.	2.831
1238.	16.37	2757.	2.801
1239.	16.38	2758.	2.776
1240.	16.39	2759.	2.829
1241.	16.41	2760.	2.806
1242.	16.4	2761.	2.785
1243.	16.41	2762.	2.767
1244.	16.42	2763.	2.805
1245.	16.44	2764.	2.823
1246.	16.41	2765.	2.759
1247.	16.45	2766.	2.774
1248.	16.46	2767.	2.784
1249.	16.42	2768.	2.775
1250.	16.46	2769.	2.783
1251.	16.46	2770.	2.806
1252.	16.48	2771.	2.787
1253.	16.46	2772.	2.787
1254.	16.46	2773.	2.778
1255.	16.48	2774.	2.764
1256.	16.5	2775.	2.761
1257.	16.52	2776.	2.77
1258.	16.5	2777.	2.743
1259.	16.51	2778.	2.756
1260.	16.5	2779.	2.746
1261.	16.53	2780.	2.749
1262.	16.52	2781.	2.743
1263.	16.53	2782.	2.742
1264.	16.56	2783.	2.756
1265.	16.56	2784.	2.739
1266.	16.54	2785.	2.756
1267.	16.58	2786.	2.75
1268.	16.56	2787.	2.756
1269.	16.55	2788.	2.777
1270.	16.59	2789.	2.739
1271.	16.59	2790.	2.75
1272.	16.57	2791.	2.74
1273.	16.57	2792.	2.75
1274.	16.6	2793.	2.711
1275.	16.63	2794.	2.749
1276.	16.63	2795.	2.744
1277.	16.61	2796.	2.771
1278.	16.64	2797.	2.732
1279.	16.65	2798.	2.742
1280.	16.59	2799.	2.736
1281.	16.61	2800.	2.724
1282.	16.64	2801.	2.719
1283.	16.66	2802.	2.734
1284.	16.68	2803.	2.697
1285.	16.7	2804.	2.745
1286.	16.66	2805.	2.723

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	16.65	2806.	2.712
1288.	16.67	2807.	2.718
1289.	16.68	2808.	2.705
1290.	16.7	2809.	2.726
1291.	16.7	2810.	2.698
1292.	16.69	2811.	2.716
1293.	16.68	2812.	2.705
1294.	16.71	2813.	2.695
1295.	16.72	2814.	2.714
1296.	16.74	2815.	2.708
1297.	16.71	2816.	2.72
1298.	16.72	2817.	2.707
1299.	16.74	2818.	2.723
1300.	16.75	2819.	2.72
1301.	16.74	2820.	2.712
1302.	16.77	2821.	2.676
1303.	16.72	2822.	2.68
1304.	16.74	2823.	2.673
1305.	16.74	2824.	2.69
1306.	16.77	2825.	2.675
1307.	16.77	2826.	2.675
1308.	16.77	2827.	2.699
1309.	16.78	2828.	2.666
1310.	16.76	2829.	2.664
1311.	16.78	2830.	2.683
1312.	16.8	2831.	2.677
1313.	16.8	2832.	2.658
1314.	16.82	2833.	2.686
1315.	16.8	2834.	2.622
1316.	16.84	2835.	2.685
1317.	16.84	2836.	2.653
1318.	16.84	2837.	2.653
1319.	16.82	2838.	2.643
1320.	16.83	2839.	2.657
1321.	16.83	2840.	2.696
1322.	16.84	2841.	2.671
1323.	16.86	2842.	2.674
1324.	16.82	2843.	2.661
1325.	16.84	2844.	2.661
1326.	16.85	2845.	2.701
1327.	16.86	2846.	2.64
1328.	16.84	2847.	2.676
1329.	16.85	2848.	2.657
1330.	16.87	2849.	2.675
1331.	16.89	2850.	2.647
1332.	16.87	2851.	2.651
1333.	16.89	2852.	2.672
1334.	16.86	2853.	2.642
1335.	16.89	2854.	2.628
1336.	16.88	2855.	2.671
1337.	16.9	2856.	2.661
1338.	16.89	2857.	2.635
1339.	16.92	2858.	2.635
1340.	16.88	2859.	2.659
1341.	16.91	2860.	2.674
1342.	16.9	2861.	2.623
1343.	16.9	2862.	2.645
1344.	16.92	2863.	2.607
1345.	16.94	2864.	2.626
1346.	16.91	2865.	2.606
1347.	16.92	2866.	2.608
1348.	16.96	2867.	2.603
1349.	16.94	2868.	2.625
1350.	16.93	2869.	2.633
1351.	16.96	2870.	2.626
1352.	16.95	2871.	2.633

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	16.98	2872.	2.637
1354.	16.96	2873.	2.61
1355.	16.97	2874.	2.618
1356.	17.	2875.	2.603
1357.	16.98	2876.	2.615
1358.	17.	2877.	2.644
1359.	16.96	2878.	2.579
1360.	16.99	2879.	2.599
1361.	16.97	2880.	2.616
1362.	16.99	2881.	2.577
1363.	17.01	2882.	2.606
1364.	17.	2883.	2.623
1365.	17.01	2884.	2.604
1366.	17.03	2885.	2.602
1367.	16.99	2886.	2.57
1368.	17.01	2887.	2.586
1369.	17.03	2888.	2.587
1370.	17.01	2889.	2.6
1371.	17.01	2890.	2.579
1372.	17.02	2891.	2.579
1373.	17.02	2892.	2.588
1374.	17.04	2893.	2.578
1375.	17.07	2894.	2.581
1376.	17.06	2895.	2.593
1377.	17.03	2896.	2.563
1378.	17.07	2897.	2.574
1379.	17.05	2898.	2.587
1380.	17.07	2899.	2.586
1381.	17.07	2900.	2.569
1382.	17.05	2901.	2.568
1383.	17.05	2902.	2.549
1384.	17.06	2903.	2.539
1385.	17.09	2904.	2.558
1386.	17.09	2905.	2.548
1387.	17.06	2906.	2.552
1388.	17.09	2907.	2.568
1389.	17.09	2908.	2.563
1390.	17.13	2909.	2.58
1391.	17.11	2910.	2.555
1392.	17.14	2911.	2.554
1393.	17.12	2912.	2.529
1394.	17.14	2913.	2.548
1395.	17.14	2914.	2.531
1396.	17.13	2915.	2.545
1397.	17.15	2916.	2.579
1398.	17.18	2917.	2.548
1399.	17.13	2918.	2.501
1400.	17.15	2919.	2.549
1401.	17.18	2920.	2.565
1402.	17.15	2921.	2.533
1403.	17.14	2922.	2.521
1404.	17.17	2923.	2.502
1405.	17.16	2924.	2.536
1406.	17.16	2925.	2.555
1407.	17.16	2926.	2.547
1408.	17.16	2927.	2.543
1409.	17.16	2928.	2.518
1410.	17.19	2929.	2.529
1411.	17.19	2930.	2.535
1412.	17.2	2931.	2.497
1413.	17.21	2932.	2.509
1414.	17.19	2933.	2.51
1415.	17.2	2934.	2.551
1416.	17.18	2935.	2.551
1417.	17.22	2936.	2.513
1418.	17.2	2937.	2.53

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	17.19	2938.	2.531
1420.	17.19	2939.	2.499
1421.	17.21	2940.	2.479
1422.	17.22	2941.	2.53
1423.	17.21	2942.	2.514
1424.	17.19	2943.	2.512
1425.	17.23	2944.	2.506
1426.	17.25	2945.	2.51
1427.	17.22	2946.	2.532
1428.	17.26	2947.	2.518
1429.	17.24	2948.	2.495
1430.	17.28	2949.	2.558
1431.	17.24	2950.	2.506
1432.	17.27	2951.	2.525
1433.	17.27	2952.	2.498
1434.	17.27	2953.	2.506
1435.	17.3	2954.	2.5
1436.	17.24	2955.	2.495
1437.	17.27	2956.	2.508
1438.	17.26	2957.	2.487
1439.	17.23	2958.	2.5
1440.	17.16	2959.	2.514
1441.	17.07	2960.	2.527
1442.	17.03	2961.	2.496
1443.	16.96	2962.	2.489
1444.	16.86	2963.	2.481
1445.	16.8	2964.	2.523
1446.	16.73	2965.	2.48
1447.	16.66	2966.	2.467
1448.	16.56	2967.	2.488
1449.	16.47	2968.	2.49
1450.	16.41	2969.	2.482
1451.	16.3	2970.	2.457
1452.	16.24	2971.	2.506
1453.	16.12	2972.	2.475
1454.	16.01	2973.	2.48
1455.	15.93	2974.	2.506
1456.	15.85	2975.	2.46
1457.	15.76	2976.	2.478
1458.	15.65	2977.	2.479
1459.	15.56	2978.	2.498
1460.	15.46	2979.	2.447
1461.	15.42	2980.	2.46
1462.	15.35	2981.	2.471
1463.	15.25	2982.	2.507
1464.	15.15	2983.	2.471
1465.	15.07	2984.	2.485
1466.	15.03	2985.	2.447
1467.	14.91	2986.	2.451
1468.	14.88	2987.	2.432
1469.	14.77	2988.	2.454
1470.	14.68	2989.	2.431
1471.	14.6	2990.	2.462
1472.	14.55	2991.	2.443
1473.	14.46	2992.	2.427
1474.	14.39	2993.	2.447
1475.	14.35	2994.	2.42
1476.	14.29	2995.	2.458
1477.	14.23	2996.	2.459
1478.	14.19	2997.	2.471
1479.	14.06	2998.	2.451
1480.	14.03	2999.	2.44
1481.	13.97	3000.	2.438
1482.	13.91	3001.	2.406
1483.	13.83	3002.	2.45
1484.	13.79	3003.	2.461

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	13.73	3004.	2.43
1486.	13.65	3005.	2.421
1487.	13.6	3006.	2.45
1488.	13.56	3007.	2.413
1489.	13.5	3008.	2.442
1490.	13.42	3009.	2.429
1491.	13.37	3010.	2.435
1492.	13.34	3011.	2.416
1493.	13.25	3012.	2.451
1494.	13.24	3013.	2.465
1495.	13.15	3014.	2.417
1496.	13.1	3015.	2.437
1497.	13.08	3016.	2.441
1498.	12.99	3017.	2.421
1499.	12.96	3018.	2.447
1500.	12.9	3019.	2.427
1501.	12.83	3020.	2.43
1502.	12.81	3021.	2.408
1503.	12.75	3022.	2.387
1504.	12.69	3023.	2.455
1505.	12.65	3024.	2.425
1506.	12.61	3025.	2.403
1507.	12.56	3026.	2.433
1508.	12.53	3027.	2.415
1509.	12.48	3028.	2.428
1510.	12.42	3029.	2.408
1511.	12.39	3030.	2.407
1512.	12.32	3031.	2.403
1513.	12.29	3032.	2.414
1514.	12.26	3033.	2.412
1515.	12.17	3034.	2.414
1516.	12.15	3035.	2.379
1517.	12.1	3036.	2.403
1518.	12.08	3037.	2.393
1519.	12.04		

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1338.4	ft^2/day
S	0.0001212	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.73 ft/day (0.005902 cm/sec)
Ss = S/b = 1.515E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1350.3	2.022	+/- 3.965	667.9	ft^2/day
S	0.0001231	5.165E-7	+/- 1.013E-6	238.4	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter

t-ratio = estimate/std. error
No estimation window

K = T/b = 16.88 ft/day (0.005954 cm/sec)
Ss = S/b = 1.539E-6 1/ft

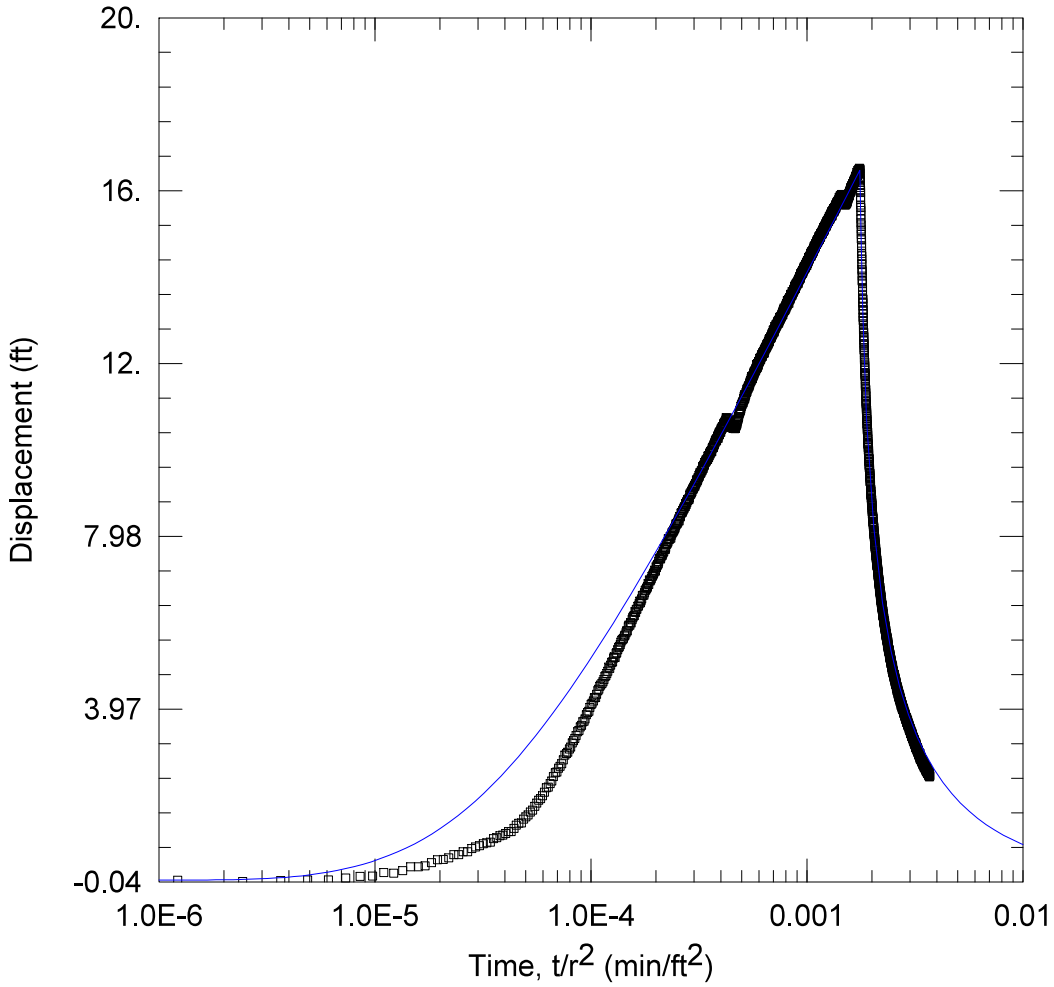
Parameter Correlations

	T	S
T	1.00	-0.86
S	-0.86	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 335.3 ft^2
Variance . . . . . 0.1105 ft^2
Std. Deviation . . . . . 0.3324 ft
Mean . . . . . -0.1205 ft
No. of Residuals 3037
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW29.aqt
Date: 04/11/25 Time: 12:12:06

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW29	1038	1688

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1349.8 ft^2/day
S = 0.0001292
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:24:40

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW29

X Location: 1038. ft
Y Location: 1688. ft

Radial distance from BM 1B: 904.8579999 ft
Radial distance from BM2A: 919.6010004 ft
Radial distance from BM3: 1041.211794 ft
Radial distance from BM 4 : 882.0521527 ft
Radial distance from BM5: 613.8118604 ft
Radial distance from BM 6: 388.3297568 ft
Radial distance from BM7: 489.4486694 ft
Radial distance from BM9: 1050.242353 ft

Fully Penetrating Well

No. of Observations: 3032

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.000726	1517.	11.95
2.	-0.03288	1518.	11.93
3.	-0.01125	1519.	11.89
4.	0.004049	1520.	11.83
5.	0.005202	1521.	11.77
6.	0.05135	1522.	11.75
7.	0.08586	1523.	11.73
8.	0.09615	1524.	11.71
9.	0.1775	1525.	11.68
10.	0.164	1526.	11.62
11.	0.2208	1527.	11.59
12.	0.3103	1528.	11.52
13.	0.3062	1529.	11.49
14.	0.331	1530.	11.46
15.	0.4037	1531.	11.44
16.	0.4709	1532.	11.39
17.	0.4763	1533.	11.37
18.	0.5173	1534.	11.32
19.	0.5873	1535.	11.29
20.	0.5873	1536.	11.25
21.	0.6545	1537.	11.23
22.	0.6607	1538.	11.16
23.	0.7325	1539.	11.11
24.	0.7688	1540.	11.09
25.	0.7977	1541.	11.06
26.	0.8402	1542.	11.03
27.	0.8627	1543.	11.01
28.	0.8839	1544.	10.97
29.	0.9585	1545.	10.94
30.	0.9863	1546.	10.9
31.	1.031	1547.	10.9
32.	1.044	1548.	10.85

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	1.082	1549.	10.82
34.	1.123	1550.	10.79
35.	1.122	1551.	10.75
36.	1.198	1552.	10.71
37.	1.274	1553.	10.69
38.	1.316	1554.	10.66
39.	1.326	1555.	10.64
40.	1.411	1556.	10.58
41.	1.463	1557.	10.58
42.	1.511	1558.	10.55
43.	1.577	1559.	10.52
44.	1.623	1560.	10.48
45.	1.714	1561.	10.45
46.	1.787	1562.	10.44
47.	1.856	1563.	10.39
48.	1.891	1564.	10.38
49.	1.958	1565.	10.32
50.	2.04	1566.	10.33
51.	2.144	1567.	10.29
52.	2.159	1568.	10.25
53.	2.236	1569.	10.24
54.	2.301	1570.	10.18
55.	2.399	1571.	10.14
56.	2.494	1572.	10.12
57.	2.508	1573.	10.11
58.	2.592	1574.	10.09
59.	2.637	1575.	10.09
60.	2.699	1576.	10.03
61.	2.787	1577.	10.03
62.	2.902	1578.	9.976
63.	2.936	1579.	9.972
64.	2.968	1580.	9.94
65.	3.044	1581.	9.908
66.	3.088	1582.	9.872
67.	3.18	1583.	9.825
68.	3.231	1584.	9.87
69.	3.286	1585.	9.782
70.	3.352	1586.	9.782
71.	3.438	1587.	9.764
72.	3.467	1588.	9.717
73.	3.556	1589.	9.708
74.	3.59	1590.	9.707
75.	3.669	1591.	9.657
76.	3.686	1592.	9.627
77.	3.741	1593.	9.626
78.	3.838	1594.	9.603
79.	3.885	1595.	9.564
80.	3.915	1596.	9.549
81.	4.006	1597.	9.541
82.	4.074	1598.	9.497
83.	4.1	1599.	9.508
84.	4.155	1600.	9.454
85.	4.228	1601.	9.441
86.	4.232	1602.	9.4
87.	4.309	1603.	9.432
88.	4.39	1604.	9.377
89.	4.432	1605.	9.35
90.	4.497	1606.	9.341
91.	4.521	1607.	9.31
92.	4.559	1608.	9.299
93.	4.602	1609.	9.264
94.	4.652	1610.	9.237
95.	4.721	1611.	9.236
96.	4.737	1612.	9.173
97.	4.788	1613.	9.171
98.	4.842	1614.	9.166

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	4.94	1615.	9.13
100.	4.911	1616.	9.141
101.	4.986	1617.	9.077
102.	5.049	1618.	9.07
103.	5.058	1619.	9.039
104.	5.147	1620.	9.021
105.	5.175	1621.	9.017
106.	5.161	1622.	8.964
107.	5.254	1623.	8.942
108.	5.276	1624.	8.938
109.	5.345	1625.	8.938
110.	5.396	1626.	8.918
111.	5.416	1627.	8.921
112.	5.459	1628.	8.861
113.	5.522	1629.	8.827
114.	5.563	1630.	8.844
115.	5.587	1631.	8.806
116.	5.61	1632.	8.822
117.	5.661	1633.	8.786
118.	5.684	1634.	8.762
119.	5.735	1635.	8.822
120.	5.776	1636.	8.712
121.	5.778	1637.	8.73
122.	5.877	1638.	8.737
123.	5.915	1639.	8.69
124.	5.914	1640.	8.688
125.	5.973	1641.	8.636
126.	5.962	1642.	8.621
127.	6.037	1643.	8.593
128.	6.081	1644.	8.544
129.	6.117	1645.	8.575
130.	6.134	1646.	8.568
131.	6.222	1647.	8.54
132.	6.211	1648.	8.489
133.	6.274	1649.	8.492
134.	6.284	1650.	8.483
135.	6.353	1651.	8.45
136.	6.356	1652.	8.432
137.	6.407	1653.	8.407
138.	6.468	1654.	8.409
139.	6.431	1655.	8.393
140.	6.478	1656.	8.372
141.	6.518	1657.	8.314
142.	6.601	1658.	8.381
143.	6.6	1659.	8.316
144.	6.61	1660.	8.297
145.	6.661	1661.	8.301
146.	6.722	1662.	8.271
147.	6.729	1663.	8.246
148.	6.764	1664.	8.253
149.	6.778	1665.	8.252
150.	6.81	1666.	8.22
151.	6.877	1667.	8.188
152.	6.855	1668.	8.209
153.	6.962	1669.	8.17
154.	6.936	1670.	8.176
155.	6.96	1671.	8.173
156.	6.997	1672.	8.111
157.	7.041	1673.	8.087
158.	7.057	1674.	8.109
159.	7.089	1675.	8.043
160.	7.105	1676.	8.072
161.	7.145	1677.	8.033
162.	7.193	1678.	8.002
163.	7.172	1679.	8.017
164.	7.268	1680.	8.02

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	7.255	1681.	7.983
166.	7.294	1682.	8.006
167.	7.32	1683.	7.945
168.	7.349	1684.	7.959
169.	7.395	1685.	7.939
170.	7.449	1686.	7.931
171.	7.467	1687.	7.9
172.	7.446	1688.	7.906
173.	7.492	1689.	7.862
174.	7.525	1690.	7.88
175.	7.535	1691.	7.848
176.	7.565	1692.	7.82
177.	7.59	1693.	7.768
178.	7.627	1694.	7.801
179.	7.687	1695.	7.728
180.	7.673	1696.	7.785
181.	7.678	1697.	7.759
182.	7.717	1698.	7.728
183.	7.797	1699.	7.691
184.	7.796	1700.	7.687
185.	7.819	1701.	7.71
186.	7.845	1702.	7.71
187.	7.919	1703.	7.674
188.	7.896	1704.	7.693
189.	7.912	1705.	7.646
190.	7.92	1706.	7.619
191.	7.97	1707.	7.621
192.	7.936	1708.	7.621
193.	7.997	1709.	7.594
194.	8.033	1710.	7.595
195.	8.058	1711.	7.589
196.	8.076	1712.	7.526
197.	8.084	1713.	7.541
198.	8.112	1714.	7.526
199.	8.131	1715.	7.493
200.	8.158	1716.	7.483
201.	8.174	1717.	7.48
202.	8.22	1718.	7.452
203.	8.258	1719.	7.521
204.	8.263	1720.	7.462
205.	8.269	1721.	7.444
206.	8.281	1722.	7.416
207.	8.306	1723.	7.433
208.	8.338	1724.	7.391
209.	8.377	1725.	7.398
210.	8.335	1726.	7.419
211.	8.436	1727.	7.351
212.	8.428	1728.	7.332
213.	8.442	1729.	7.37
214.	8.516	1730.	7.345
215.	8.519	1731.	7.312
216.	8.525	1732.	7.286
217.	8.54	1733.	7.295
218.	8.575	1734.	7.284
219.	8.578	1735.	7.301
220.	8.608	1736.	7.283
221.	8.611	1737.	7.276
222.	8.654	1738.	7.229
223.	8.666	1739.	7.227
224.	8.67	1740.	7.209
225.	8.732	1741.	7.232
226.	8.713	1742.	7.188
227.	8.767	1743.	7.175
228.	8.754	1744.	7.196
229.	8.797	1745.	7.163
230.	8.834	1746.	7.158

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	8.816	1747.	7.142
232.	8.838	1748.	7.13
233.	8.83	1749.	7.15
234.	8.869	1750.	7.08
235.	8.926	1751.	7.081
236.	8.96	1752.	7.097
237.	8.951	1753.	7.058
238.	8.988	1754.	7.044
239.	8.984	1755.	6.996
240.	9.025	1756.	7.029
241.	9.013	1757.	7.044
242.	9.071	1758.	7.029
243.	9.073	1759.	6.989
244.	9.076	1760.	6.998
245.	9.112	1761.	6.982
246.	9.112	1762.	6.946
247.	9.163	1763.	6.919
248.	9.134	1764.	6.947
249.	9.165	1765.	6.928
250.	9.199	1766.	6.965
251.	9.204	1767.	6.914
252.	9.276	1768.	6.901
253.	9.236	1769.	6.904
254.	9.289	1770.	6.853
255.	9.265	1771.	6.881
256.	9.289	1772.	6.878
257.	9.331	1773.	6.849
258.	9.338	1774.	6.825
259.	9.39	1775.	6.797
260.	9.367	1776.	6.803
261.	9.409	1777.	6.769
262.	9.447	1778.	6.784
263.	9.432	1779.	6.807
264.	9.448	1780.	6.796
265.	9.448	1781.	6.789
266.	9.49	1782.	6.758
267.	9.496	1783.	6.708
268.	9.514	1784.	6.727
269.	9.595	1785.	6.726
270.	9.549	1786.	6.697
271.	9.548	1787.	6.699
272.	9.608	1788.	6.684
273.	9.605	1789.	6.705
274.	9.633	1790.	6.658
275.	9.625	1791.	6.673
276.	9.683	1792.	6.666
277.	9.684	1793.	6.636
278.	9.695	1794.	6.605
279.	9.705	1795.	6.627
280.	9.741	1796.	6.625
281.	9.722	1797.	6.591
282.	9.76	1798.	6.621
283.	9.776	1799.	6.602
284.	9.763	1800.	6.585
285.	9.824	1801.	6.567
286.	9.852	1802.	6.573
287.	9.802	1803.	6.522
288.	9.84	1804.	6.563
289.	9.85	1805.	6.47
290.	9.905	1806.	6.504
291.	9.912	1807.	6.478
292.	9.884	1808.	6.505
293.	9.934	1809.	6.478
294.	9.926	1810.	6.468
295.	9.956	1811.	6.501
296.	9.961	1812.	6.439

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	9.942	1813.	6.427
298.	10.	1814.	6.44
299.	10.05	1815.	6.417
300.	10.03	1816.	6.44
301.	10.03	1817.	6.386
302.	10.03	1818.	6.395
303.	10.07	1819.	6.37
304.	10.1	1820.	6.357
305.	10.12	1821.	6.38
306.	10.11	1822.	6.382
307.	10.14	1823.	6.336
308.	10.15	1824.	6.388
309.	10.19	1825.	6.341
310.	10.18	1826.	6.31
311.	10.21	1827.	6.363
312.	10.22	1828.	6.313
313.	10.19	1829.	6.304
314.	10.25	1830.	6.312
315.	10.25	1831.	6.275
316.	10.3	1832.	6.292
317.	10.28	1833.	6.278
318.	10.25	1834.	6.275
319.	10.31	1835.	6.252
320.	10.34	1836.	6.249
321.	10.36	1837.	6.242
322.	10.37	1838.	6.247
323.	10.33	1839.	6.231
324.	10.39	1840.	6.208
325.	10.38	1841.	6.185
326.	10.42	1842.	6.175
327.	10.39	1843.	6.192
328.	10.46	1844.	6.132
329.	10.45	1845.	6.133
330.	10.47	1846.	6.159
331.	10.48	1847.	6.167
332.	10.49	1848.	6.148
333.	10.51	1849.	6.141
334.	10.51	1850.	6.149
335.	10.5	1851.	6.139
336.	10.53	1852.	6.108
337.	10.58	1853.	6.11
338.	10.56	1854.	6.108
339.	10.61	1855.	6.084
340.	10.56	1856.	6.077
341.	10.59	1857.	6.065
342.	10.62	1858.	6.038
343.	10.58	1859.	6.069
344.	10.64	1860.	6.01
345.	10.64	1861.	6.016
346.	10.67	1862.	5.998
347.	10.72	1863.	6.019
348.	10.73	1864.	6.033
349.	10.67	1865.	5.99
350.	10.71	1866.	6.013
351.	10.73	1867.	5.987
352.	10.71	1868.	5.968
353.	10.69	1869.	5.971
354.	10.68	1870.	5.953
355.	10.61	1871.	5.965
356.	10.63	1872.	5.935
357.	10.62	1873.	5.97
358.	10.67	1874.	5.947
359.	10.61	1875.	5.969
360.	10.58	1876.	5.915
361.	10.57	1877.	5.901
362.	10.61	1878.	5.904

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	10.56	1879.	5.9
364.	10.55	1880.	5.905
365.	10.55	1881.	5.865
366.	10.5	1882.	5.858
367.	10.53	1883.	5.869
368.	10.54	1884.	5.887
369.	10.54	1885.	5.85
370.	10.5	1886.	5.846
371.	10.5	1887.	5.837
372.	10.48	1888.	5.824
373.	10.48	1889.	5.811
374.	10.49	1890.	5.821
375.	10.49	1891.	5.803
376.	10.51	1892.	5.803
377.	10.49	1893.	5.828
378.	10.5	1894.	5.796
379.	10.51	1895.	5.788
380.	10.47	1896.	5.773
381.	10.52	1897.	5.784
382.	10.48	1898.	5.752
383.	10.48	1899.	5.783
384.	10.51	1900.	5.696
385.	10.55	1901.	5.735
386.	10.55	1902.	5.703
387.	10.57	1903.	5.72
388.	10.56	1904.	5.728
389.	10.59	1905.	5.678
390.	10.67	1906.	5.727
391.	10.64	1907.	5.682
392.	10.67	1908.	5.678
393.	10.69	1909.	5.662
394.	10.72	1910.	5.713
395.	10.74	1911.	5.651
396.	10.75	1912.	5.607
397.	10.8	1913.	5.702
398.	10.84	1914.	5.626
399.	10.83	1915.	5.641
400.	10.84	1916.	5.649
401.	10.87	1917.	5.634
402.	10.9	1918.	5.6
403.	10.89	1919.	5.631
404.	10.9	1920.	5.645
405.	10.99	1921.	5.632
406.	10.94	1922.	5.609
407.	11.	1923.	5.595
408.	10.99	1924.	5.589
409.	11.03	1925.	5.561
410.	11.03	1926.	5.548
411.	11.07	1927.	5.552
412.	11.07	1928.	5.571
413.	11.08	1929.	5.599
414.	11.1	1930.	5.534
415.	11.08	1931.	5.515
416.	11.14	1932.	5.551
417.	11.12	1933.	5.475
418.	11.17	1934.	5.529
419.	11.14	1935.	5.502
420.	11.21	1936.	5.49
421.	11.25	1937.	5.468
422.	11.17	1938.	5.531
423.	11.26	1939.	5.524
424.	11.21	1940.	5.497
425.	11.25	1941.	5.474
426.	11.27	1942.	5.472
427.	11.26	1943.	5.484
428.	11.31	1944.	5.439

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	11.31	1945.	5.424
430.	11.32	1946.	5.446
431.	11.35	1947.	5.431
432.	11.33	1948.	5.408
433.	11.39	1949.	5.434
434.	11.4	1950.	5.392
435.	11.39	1951.	5.399
436.	11.41	1952.	5.359
437.	11.41	1953.	5.408
438.	11.44	1954.	5.388
439.	11.45	1955.	5.386
440.	11.46	1956.	5.399
441.	11.44	1957.	5.353
442.	11.47	1958.	5.347
443.	11.48	1959.	5.356
444.	11.5	1960.	5.326
445.	11.5	1961.	5.359
446.	11.53	1962.	5.312
447.	11.56	1963.	5.342
448.	11.56	1964.	5.333
449.	11.58	1965.	5.332
450.	11.57	1966.	5.296
451.	11.59	1967.	5.314
452.	11.63	1968.	5.311
453.	11.59	1969.	5.314
454.	11.68	1970.	5.317
455.	11.63	1971.	5.314
456.	11.66	1972.	5.291
457.	11.67	1973.	5.273
458.	11.63	1974.	5.276
459.	11.69	1975.	5.292
460.	11.69	1976.	5.247
461.	11.7	1977.	5.269
462.	11.69	1978.	5.245
463.	11.72	1979.	5.244
464.	11.75	1980.	5.231
465.	11.73	1981.	5.225
466.	11.74	1982.	5.21
467.	11.78	1983.	5.22
468.	11.78	1984.	5.251
469.	11.8	1985.	5.179
470.	11.79	1986.	5.191
471.	11.81	1987.	5.183
472.	11.82	1988.	5.197
473.	11.82	1989.	5.164
474.	11.82	1990.	5.148
475.	11.84	1991.	5.156
476.	11.86	1992.	5.157
477.	11.88	1993.	5.186
478.	11.88	1994.	5.177
479.	11.86	1995.	5.146
480.	11.95	1996.	5.132
481.	11.89	1997.	5.131
482.	11.94	1998.	5.12
483.	11.94	1999.	5.13
484.	11.9	2000.	5.077
485.	11.98	2001.	5.102
486.	11.95	2002.	5.073
487.	11.96	2003.	5.111
488.	11.94	2004.	5.123
489.	12.	2005.	5.074
490.	12.03	2006.	5.099
491.	12.	2007.	5.081
492.	12.02	2008.	5.081
493.	12.04	2009.	5.077
494.	12.03	2010.	5.082

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	12.03	2011.	5.031
496.	12.1	2012.	5.056
497.	12.06	2013.	5.031
498.	12.09	2014.	5.031
499.	12.07	2015.	5.018
500.	12.11	2016.	5.038
501.	12.08	2017.	5.022
502.	12.12	2018.	5.011
503.	12.12	2019.	4.989
504.	12.15	2020.	4.996
505.	12.14	2021.	5.011
506.	12.18	2022.	4.973
507.	12.14	2023.	5.01
508.	12.17	2024.	4.975
509.	12.2	2025.	4.983
510.	12.15	2026.	4.959
511.	12.2	2027.	4.994
512.	12.23	2028.	4.958
513.	12.22	2029.	4.924
514.	12.22	2030.	4.966
515.	12.22	2031.	4.959
516.	12.23	2032.	4.924
517.	12.26	2033.	4.971
518.	12.22	2034.	4.954
519.	12.23	2035.	4.915
520.	12.23	2036.	4.927
521.	12.3	2037.	4.882
522.	12.28	2038.	4.875
523.	12.31	2039.	4.911
524.	12.29	2040.	4.925
525.	12.33	2041.	4.892
526.	12.34	2042.	4.952
527.	12.36	2043.	4.903
528.	12.34	2044.	4.882
529.	12.33	2045.	4.856
530.	12.36	2046.	4.878
531.	12.38	2047.	4.877
532.	12.39	2048.	4.864
533.	12.37	2049.	4.823
534.	12.38	2050.	4.837
535.	12.42	2051.	4.843
536.	12.44	2052.	4.828
537.	12.39	2053.	4.821
538.	12.42	2054.	4.84
539.	12.45	2055.	4.844
540.	12.46	2056.	4.841
541.	12.44	2057.	4.806
542.	12.43	2058.	4.822
543.	12.47	2059.	4.796
544.	12.49	2060.	4.829
545.	12.48	2061.	4.789
546.	12.47	2062.	4.796
547.	12.51	2063.	4.784
548.	12.54	2064.	4.806
549.	12.51	2065.	4.772
550.	12.49	2066.	4.786
551.	12.55	2067.	4.784
552.	12.56	2068.	4.761
553.	12.57	2069.	4.77
554.	12.57	2070.	4.767
555.	12.57	2071.	4.758
556.	12.57	2072.	4.741
557.	12.6	2073.	4.755
558.	12.58	2074.	4.717
559.	12.6	2075.	4.769
560.	12.59	2076.	4.754

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	12.62	2077.	4.768
562.	12.63	2078.	4.726
563.	12.63	2079.	4.726
564.	12.67	2080.	4.696
565.	12.64	2081.	4.689
566.	12.66	2082.	4.678
567.	12.67	2083.	4.66
568.	12.68	2084.	4.76
569.	12.69	2085.	4.665
570.	12.7	2086.	4.71
571.	12.67	2087.	4.664
572.	12.76	2088.	4.678
573.	12.71	2089.	4.673
574.	12.72	2090.	4.712
575.	12.73	2091.	4.672
576.	12.76	2092.	4.675
577.	12.74	2093.	4.655
578.	12.74	2094.	4.686
579.	12.71	2095.	4.677
580.	12.76	2096.	4.637
581.	12.76	2097.	4.632
582.	12.84	2098.	4.639
583.	12.8	2099.	4.604
584.	12.78	2100.	4.614
585.	12.82	2101.	4.648
586.	12.85	2102.	4.591
587.	12.81	2103.	4.647
588.	12.84	2104.	4.574
589.	12.85	2105.	4.63
590.	12.83	2106.	4.617
591.	12.88	2107.	4.615
592.	12.87	2108.	4.595
593.	12.89	2109.	4.576
594.	12.88	2110.	4.605
595.	12.86	2111.	4.596
596.	12.9	2112.	4.54
597.	12.9	2113.	4.567
598.	12.91	2114.	4.556
599.	12.93	2115.	4.543
600.	12.95	2116.	4.571
601.	12.9	2117.	4.608
602.	12.92	2118.	4.567
603.	12.93	2119.	4.573
604.	12.95	2120.	4.55
605.	12.98	2121.	4.548
606.	12.99	2122.	4.538
607.	12.92	2123.	4.557
608.	12.96	2124.	4.53
609.	12.97	2125.	4.535
610.	13.	2126.	4.513
611.	12.99	2127.	4.506
612.	13.	2128.	4.477
613.	13.05	2129.	4.511
614.	13.02	2130.	4.476
615.	13.01	2131.	4.508
616.	13.03	2132.	4.498
617.	13.04	2133.	4.491
618.	13.06	2134.	4.476
619.	13.06	2135.	4.502
620.	13.05	2136.	4.506
621.	13.07	2137.	4.496
622.	13.05	2138.	4.465
623.	13.07	2139.	4.452
624.	13.08	2140.	4.438
625.	13.08	2141.	4.465
626.	13.08	2142.	4.457

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	13.12	2143.	4.427
628.	13.1	2144.	4.388
629.	13.11	2145.	4.442
630.	13.14	2146.	4.453
631.	13.13	2147.	4.424
632.	13.15	2148.	4.402
633.	13.12	2149.	4.407
634.	13.17	2150.	4.397
635.	13.17	2151.	4.397
636.	13.16	2152.	4.448
637.	13.2	2153.	4.421
638.	13.2	2154.	4.398
639.	13.2	2155.	4.4
640.	13.2	2156.	4.433
641.	13.24	2157.	4.42
642.	13.21	2158.	4.4
643.	13.27	2159.	4.374
644.	13.21	2160.	4.369
645.	13.25	2161.	4.393
646.	13.24	2162.	4.386
647.	13.26	2163.	4.359
648.	13.25	2164.	4.374
649.	13.23	2165.	4.377
650.	13.25	2166.	4.36
651.	13.28	2167.	4.387
652.	13.31	2168.	4.313
653.	13.3	2169.	4.357
654.	13.31	2170.	4.331
655.	13.27	2171.	4.357
656.	13.34	2172.	4.34
657.	13.31	2173.	4.32
658.	13.33	2174.	4.314
659.	13.35	2175.	4.293
660.	13.35	2176.	4.313
661.	13.38	2177.	4.343
662.	13.33	2178.	4.301
663.	13.37	2179.	4.282
664.	13.36	2180.	4.321
665.	13.39	2181.	4.321
666.	13.44	2182.	4.242
667.	13.36	2183.	4.31
668.	13.37	2184.	4.267
669.	13.38	2185.	4.315
670.	13.39	2186.	4.267
671.	13.42	2187.	4.309
672.	13.44	2188.	4.271
673.	13.42	2189.	4.29
674.	13.44	2190.	4.286
675.	13.46	2191.	4.238
676.	13.39	2192.	4.277
677.	13.46	2193.	4.267
678.	13.46	2194.	4.267
679.	13.5	2195.	4.25
680.	13.46	2196.	4.271
681.	13.5	2197.	4.248
682.	13.48	2198.	4.214
683.	13.49	2199.	4.283
684.	13.51	2200.	4.23
685.	13.48	2201.	4.187
686.	13.51	2202.	4.254
687.	13.52	2203.	4.239
688.	13.55	2204.	4.214
689.	13.53	2205.	4.263
690.	13.59	2206.	4.226
691.	13.53	2207.	4.227
692.	13.56	2208.	4.187

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	13.56	2209.	4.204
694.	13.58	2210.	4.168
695.	13.56	2211.	4.211
696.	13.58	2212.	4.228
697.	13.56	2213.	4.184
698.	13.57	2214.	4.154
699.	13.59	2215.	4.208
700.	13.61	2216.	4.187
701.	13.65	2217.	4.142
702.	13.61	2218.	4.202
703.	13.64	2219.	4.142
704.	13.64	2220.	4.199
705.	13.63	2221.	4.155
706.	13.65	2222.	4.178
707.	13.65	2223.	4.172
708.	13.65	2224.	4.128
709.	13.64	2225.	4.139
710.	13.65	2226.	4.162
711.	13.69	2227.	4.122
712.	13.69	2228.	4.114
713.	13.66	2229.	4.142
714.	13.71	2230.	4.159
715.	13.7	2231.	4.119
716.	13.7	2232.	4.12
717.	13.7	2233.	4.12
718.	13.74	2234.	4.127
719.	13.72	2235.	4.133
720.	13.77	2236.	4.139
721.	13.73	2237.	4.12
722.	13.74	2238.	4.14
723.	13.72	2239.	4.134
724.	13.72	2240.	4.105
725.	13.8	2241.	4.057
726.	13.79	2242.	4.056
727.	13.77	2243.	4.072
728.	13.77	2244.	4.1
729.	13.78	2245.	4.074
730.	13.79	2246.	4.061
731.	13.84	2247.	4.092
732.	13.81	2248.	4.072
733.	13.84	2249.	4.082
734.	13.83	2250.	4.082
735.	13.84	2251.	4.089
736.	13.84	2252.	4.032
737.	13.81	2253.	4.076
738.	13.85	2254.	4.05
739.	13.83	2255.	4.077
740.	13.85	2256.	4.086
741.	13.86	2257.	4.052
742.	13.84	2258.	3.993
743.	13.86	2259.	4.05
744.	13.87	2260.	4.038
745.	13.88	2261.	4.045
746.	13.89	2262.	4.054
747.	13.9	2263.	4.024
748.	13.84	2264.	4.024
749.	13.94	2265.	4.037
750.	13.91	2266.	4.033
751.	13.93	2267.	4.012
752.	13.93	2268.	4.015
753.	13.93	2269.	4.004
754.	13.92	2270.	3.994
755.	13.94	2271.	3.987
756.	13.95	2272.	3.979
757.	13.95	2273.	3.997
758.	13.98	2274.	4.011

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	13.95	2275.	3.979
760.	14.	2276.	3.978
761.	13.95	2277.	3.992
762.	13.97	2278.	4.01
763.	14.	2279.	4.
764.	13.98	2280.	3.98
765.	14.01	2281.	3.953
766.	14.03	2282.	3.956
767.	14.07	2283.	3.965
768.	14.03	2284.	3.979
769.	14.05	2285.	3.977
770.	14.07	2286.	3.96
771.	14.03	2287.	3.97
772.	14.05	2288.	3.964
773.	14.04	2289.	3.952
774.	14.09	2290.	3.946
775.	14.07	2291.	3.953
776.	14.09	2292.	3.943
777.	14.07	2293.	3.97
778.	14.07	2294.	3.917
779.	14.11	2295.	3.932
780.	14.07	2296.	3.952
781.	14.08	2297.	3.897
782.	14.13	2298.	3.915
783.	14.1	2299.	3.951
784.	14.14	2300.	3.899
785.	14.1	2301.	3.932
786.	14.13	2302.	3.892
787.	14.13	2303.	3.908
788.	14.16	2304.	3.915
789.	14.14	2305.	3.878
790.	14.18	2306.	3.88
791.	14.2	2307.	3.867
792.	14.16	2308.	3.883
793.	14.16	2309.	3.886
794.	14.18	2310.	3.88
795.	14.19	2311.	3.892
796.	14.18	2312.	3.874
797.	14.19	2313.	3.897
798.	14.23	2314.	3.887
799.	14.22	2315.	3.881
800.	14.22	2316.	3.893
801.	14.21	2317.	3.883
802.	14.2	2318.	3.874
803.	14.19	2319.	3.88
804.	14.22	2320.	3.867
805.	14.25	2321.	3.846
806.	14.25	2322.	3.835
807.	14.23	2323.	3.868
808.	14.25	2324.	3.843
809.	14.28	2325.	3.832
810.	14.26	2326.	3.844
811.	14.26	2327.	3.881
812.	14.25	2328.	3.829
813.	14.27	2329.	3.853
814.	14.3	2330.	3.821
815.	14.31	2331.	3.836
816.	14.32	2332.	3.808
817.	14.29	2333.	3.828
818.	14.26	2334.	3.837
819.	14.33	2335.	3.823
820.	14.3	2336.	3.821
821.	14.33	2337.	3.801
822.	14.31	2338.	3.796
823.	14.36	2339.	3.786
824.	14.3	2340.	3.783

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	14.33	2341.	3.786
826.	14.34	2342.	3.823
827.	14.34	2343.	3.783
828.	14.34	2344.	3.769
829.	14.38	2345.	3.808
830.	14.35	2346.	3.771
831.	14.37	2347.	3.78
832.	14.4	2348.	3.78
833.	14.38	2349.	3.767
834.	14.37	2350.	3.758
835.	14.44	2351.	3.746
836.	14.41	2352.	3.764
837.	14.39	2353.	3.766
838.	14.43	2354.	3.771
839.	14.4	2355.	3.783
840.	14.42	2356.	3.758
841.	14.41	2357.	3.771
842.	14.46	2358.	3.764
843.	14.46	2359.	3.723
844.	14.46	2360.	3.736
845.	14.45	2361.	3.728
846.	14.47	2362.	3.713
847.	14.47	2363.	3.751
848.	14.47	2364.	3.719
849.	14.49	2365.	3.746
850.	14.47	2366.	3.75
851.	14.48	2367.	3.717
852.	14.53	2368.	3.706
853.	14.48	2369.	3.73
854.	14.49	2370.	3.759
855.	14.49	2371.	3.719
856.	14.5	2372.	3.719
857.	14.47	2373.	3.726
858.	14.51	2374.	3.699
859.	14.57	2375.	3.73
860.	14.51	2376.	3.685
861.	14.54	2377.	3.69
862.	14.54	2378.	3.725
863.	14.55	2379.	3.659
864.	14.57	2380.	3.706
865.	14.54	2381.	3.666
866.	14.54	2382.	3.704
867.	14.56	2383.	3.657
868.	14.54	2384.	3.671
869.	14.58	2385.	3.67
870.	14.57	2386.	3.649
871.	14.57	2387.	3.654
872.	14.58	2388.	3.662
873.	14.59	2389.	3.669
874.	14.61	2390.	3.65
875.	14.59	2391.	3.651
876.	14.57	2392.	3.68
877.	14.61	2393.	3.653
878.	14.61	2394.	3.648
879.	14.65	2395.	3.615
880.	14.63	2396.	3.648
881.	14.65	2397.	3.641
882.	14.64	2398.	3.659
883.	14.65	2399.	3.645
884.	14.64	2400.	3.699
885.	14.66	2401.	3.674
886.	14.7	2402.	3.656
887.	14.67	2403.	3.64
888.	14.64	2404.	3.636
889.	14.68	2405.	3.619
890.	14.71	2406.	3.612

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	14.66	2407.	3.589
892.	14.71	2408.	3.624
893.	14.69	2409.	3.595
894.	14.69	2410.	3.636
895.	14.72	2411.	3.621
896.	14.69	2412.	3.623
897.	14.69	2413.	3.588
898.	14.71	2414.	3.57
899.	14.73	2415.	3.631
900.	14.76	2416.	3.609
901.	14.76	2417.	3.59
902.	14.76	2418.	3.602
903.	14.76	2419.	3.592
904.	14.75	2420.	3.564
905.	14.77	2421.	3.611
906.	14.76	2422.	3.611
907.	14.75	2423.	3.579
908.	14.76	2424.	3.578
909.	14.77	2425.	3.574
910.	14.79	2426.	3.563
911.	14.81	2427.	3.563
912.	14.8	2428.	3.568
913.	14.83	2429.	3.558
914.	14.8	2430.	3.583
915.	14.84	2431.	3.568
916.	14.79	2432.	3.585
917.	14.8	2433.	3.568
918.	14.8	2434.	3.597
919.	14.86	2435.	3.553
920.	14.83	2436.	3.503
921.	14.81	2437.	3.552
922.	14.85	2438.	3.551
923.	14.83	2439.	3.553
924.	14.85	2440.	3.508
925.	14.83	2441.	3.529
926.	14.87	2442.	3.553
927.	14.87	2443.	3.547
928.	14.86	2444.	3.515
929.	14.86	2445.	3.522
930.	14.88	2446.	3.498
931.	14.91	2447.	3.54
932.	14.86	2448.	3.49
933.	14.92	2449.	3.516
934.	14.91	2450.	3.515
935.	14.86	2451.	3.521
936.	14.89	2452.	3.499
937.	14.91	2453.	3.503
938.	14.92	2454.	3.477
939.	14.9	2455.	3.526
940.	14.91	2456.	3.477
941.	14.93	2457.	3.468
942.	14.96	2458.	3.491
943.	14.92	2459.	3.492
944.	14.91	2460.	3.501
945.	14.92	2461.	3.493
946.	14.95	2462.	3.473
947.	14.92	2463.	3.471
948.	14.98	2464.	3.485
949.	14.94	2465.	3.476
950.	14.98	2466.	3.461
951.	14.97	2467.	3.523
952.	15.	2468.	3.445
953.	14.99	2469.	3.458
954.	15.01	2470.	3.449
955.	15.	2471.	3.481
956.	15.01	2472.	3.457

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	14.98	2473.	3.472
958.	15.02	2474.	3.479
959.	14.99	2475.	3.396
960.	14.98	2476.	3.418
961.	15.	2477.	3.47
962.	15.03	2478.	3.454
963.	15.05	2479.	3.409
964.	15.01	2480.	3.426
965.	14.99	2481.	3.417
966.	15.03	2482.	3.424
967.	15.03	2483.	3.409
968.	15.02	2484.	3.454
969.	15.07	2485.	3.404
970.	15.04	2486.	3.414
971.	15.06	2487.	3.438
972.	15.08	2488.	3.427
973.	15.06	2489.	3.414
974.	15.08	2490.	3.407
975.	15.06	2491.	3.422
976.	15.05	2492.	3.426
977.	15.06	2493.	3.404
978.	15.05	2494.	3.406
979.	15.1	2495.	3.384
980.	15.08	2496.	3.412
981.	15.13	2497.	3.404
982.	15.13	2498.	3.398
983.	15.07	2499.	3.36
984.	15.08	2500.	3.379
985.	15.13	2501.	3.385
986.	15.12	2502.	3.411
987.	15.13	2503.	3.398
988.	15.17	2504.	3.386
989.	15.1	2505.	3.385
990.	15.13	2506.	3.416
991.	15.16	2507.	3.34
992.	15.14	2508.	3.338
993.	15.16	2509.	3.395
994.	15.16	2510.	3.359
995.	15.16	2511.	3.332
996.	15.15	2512.	3.352
997.	15.19	2513.	3.388
998.	15.16	2514.	3.344
999.	15.18	2515.	3.34
1000.	15.21	2516.	3.368
1001.	15.17	2517.	3.345
1002.	15.17	2518.	3.382
1003.	15.2	2519.	3.347
1004.	15.21	2520.	3.35
1005.	15.21	2521.	3.351
1006.	15.23	2522.	3.304
1007.	15.25	2523.	3.341
1008.	15.18	2524.	3.3
1009.	15.2	2525.	3.349
1010.	15.26	2526.	3.324
1011.	15.22	2527.	3.326
1012.	15.21	2528.	3.328
1013.	15.23	2529.	3.275
1014.	15.24	2530.	3.307
1015.	15.22	2531.	3.335
1016.	15.28	2532.	3.324
1017.	15.26	2533.	3.324
1018.	15.25	2534.	3.283
1019.	15.25	2535.	3.296
1020.	15.29	2536.	3.288
1021.	15.29	2537.	3.298
1022.	15.29	2538.	3.274

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	15.27	2539.	3.297
1024.	15.28	2540.	3.293
1025.	15.29	2541.	3.303
1026.	15.28	2542.	3.305
1027.	15.28	2543.	3.315
1028.	15.29	2544.	3.297
1029.	15.27	2545.	3.284
1030.	15.33	2546.	3.241
1031.	15.28	2547.	3.281
1032.	15.31	2548.	3.241
1033.	15.32	2549.	3.242
1034.	15.34	2550.	3.278
1035.	15.35	2551.	3.283
1036.	15.35	2552.	3.268
1037.	15.34	2553.	3.259
1038.	15.34	2554.	3.27
1039.	15.32	2555.	3.254
1040.	15.34	2556.	3.262
1041.	15.39	2557.	3.247
1042.	15.36	2558.	3.232
1043.	15.34	2559.	3.232
1044.	15.33	2560.	3.263
1045.	15.38	2561.	3.238
1046.	15.37	2562.	3.228
1047.	15.38	2563.	3.211
1048.	15.33	2564.	3.224
1049.	15.42	2565.	3.268
1050.	15.38	2566.	3.228
1051.	15.36	2567.	3.226
1052.	15.39	2568.	3.25
1053.	15.37	2569.	3.237
1054.	15.39	2570.	3.211
1055.	15.42	2571.	3.26
1056.	15.41	2572.	3.22
1057.	15.45	2573.	3.195
1058.	15.39	2574.	3.213
1059.	15.39	2575.	3.21
1060.	15.43	2576.	3.21
1061.	15.43	2577.	3.242
1062.	15.44	2578.	3.235
1063.	15.41	2579.	3.188
1064.	15.45	2580.	3.172
1065.	15.48	2581.	3.203
1066.	15.42	2582.	3.182
1067.	15.44	2583.	3.207
1068.	15.43	2584.	3.152
1069.	15.45	2585.	3.201
1070.	15.5	2586.	3.214
1071.	15.41	2587.	3.174
1072.	15.47	2588.	3.18
1073.	15.47	2589.	3.173
1074.	15.49	2590.	3.182
1075.	15.5	2591.	3.204
1076.	15.49	2592.	3.19
1077.	15.51	2593.	3.181
1078.	15.51	2594.	3.153
1079.	15.5	2595.	3.183
1080.	15.49	2596.	3.155
1081.	15.49	2597.	3.166
1082.	15.54	2598.	3.149
1083.	15.5	2599.	3.162
1084.	15.53	2600.	3.127
1085.	15.5	2601.	3.157
1086.	15.54	2602.	3.149
1087.	15.53	2603.	3.149
1088.	15.53	2604.	3.169

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	15.53	2605.	3.125
1090.	15.52	2606.	3.152
1091.	15.52	2607.	3.144
1092.	15.57	2608.	3.149
1093.	15.5	2609.	3.187
1094.	15.55	2610.	3.126
1095.	15.53	2611.	3.122
1096.	15.54	2612.	3.118
1097.	15.54	2613.	3.113
1098.	15.58	2614.	3.119
1099.	15.59	2615.	3.07
1100.	15.57	2616.	3.163
1101.	15.57	2617.	3.108
1102.	15.56	2618.	3.09
1103.	15.55	2619.	3.153
1104.	15.61	2620.	3.138
1105.	15.56	2621.	3.098
1106.	15.6	2622.	3.095
1107.	15.59	2623.	3.093
1108.	15.58	2624.	3.119
1109.	15.61	2625.	3.112
1110.	15.6	2626.	3.092
1111.	15.62	2627.	3.073
1112.	15.6	2628.	3.086
1113.	15.63	2629.	3.11
1114.	15.64	2630.	3.106
1115.	15.63	2631.	3.066
1116.	15.59	2632.	3.06
1117.	15.65	2633.	3.074
1118.	15.67	2634.	3.087
1119.	15.65	2635.	3.072
1120.	15.64	2636.	3.061
1121.	15.66	2637.	3.088
1122.	15.64	2638.	3.066
1123.	15.69	2639.	3.087
1124.	15.67	2640.	3.069
1125.	15.67	2641.	3.093
1126.	15.64	2642.	3.068
1127.	15.7	2643.	3.06
1128.	15.71	2644.	3.068
1129.	15.68	2645.	3.087
1130.	15.67	2646.	3.046
1131.	15.7	2647.	3.047
1132.	15.66	2648.	3.075
1133.	15.73	2649.	3.037
1134.	15.69	2650.	3.054
1135.	15.71	2651.	3.008
1136.	15.68	2652.	3.028
1137.	15.71	2653.	3.065
1138.	15.69	2654.	3.062
1139.	15.73	2655.	3.045
1140.	15.74	2656.	3.04
1141.	15.73	2657.	3.046
1142.	15.7	2658.	3.028
1143.	15.75	2659.	3.037
1144.	15.74	2660.	3.024
1145.	15.72	2661.	3.038
1146.	15.75	2662.	3.044
1147.	15.74	2663.	2.994
1148.	15.77	2664.	3.002
1149.	15.72	2665.	3.05
1150.	15.75	2666.	3.044
1151.	15.76	2667.	3.022
1152.	15.72	2668.	3.059
1153.	15.78	2669.	3.039
1154.	15.77	2670.	2.96

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	15.78	2671.	3.022
1156.	15.83	2672.	3.025
1157.	15.77	2673.	3.01
1158.	15.79	2674.	2.989
1159.	15.8	2675.	2.989
1160.	15.8	2676.	3.005
1161.	15.8	2677.	3.
1162.	15.75	2678.	3.006
1163.	15.8	2679.	2.992
1164.	15.82	2680.	2.999
1165.	15.82	2681.	2.996
1166.	15.84	2682.	2.975
1167.	15.84	2683.	2.984
1168.	15.83	2684.	2.953
1169.	15.87	2685.	3.
1170.	15.82	2686.	2.983
1171.	15.82	2687.	2.98
1172.	15.84	2688.	2.983
1173.	15.81	2689.	2.957
1174.	15.84	2690.	2.983
1175.	15.83	2691.	2.944
1176.	15.83	2692.	2.929
1177.	15.83	2693.	3.
1178.	15.87	2694.	2.926
1179.	15.87	2695.	2.926
1180.	15.82	2696.	2.978
1181.	15.89	2697.	2.968
1182.	15.87	2698.	2.94
1183.	15.85	2699.	2.899
1184.	15.91	2700.	2.928
1185.	15.88	2701.	2.917
1186.	15.88	2702.	2.937
1187.	15.84	2703.	2.967
1188.	15.86	2704.	2.929
1189.	15.9	2705.	2.935
1190.	15.85	2706.	2.942
1191.	15.86	2707.	2.918
1192.	15.89	2708.	2.898
1193.	15.85	2709.	2.926
1194.	15.86	2710.	2.933
1195.	15.84	2711.	2.941
1196.	15.84	2712.	2.907
1197.	15.82	2713.	2.908
1198.	15.82	2714.	2.915
1199.	15.79	2715.	2.945
1200.	15.85	2716.	2.869
1201.	15.81	2717.	2.95
1202.	15.81	2718.	2.885
1203.	15.79	2719.	2.885
1204.	15.84	2720.	2.898
1205.	15.77	2721.	2.92
1206.	15.8	2722.	2.912
1207.	15.81	2723.	2.887
1208.	15.79	2724.	2.901
1209.	15.76	2725.	2.897
1210.	15.81	2726.	2.896
1211.	15.77	2727.	2.906
1212.	15.78	2728.	2.893
1213.	15.75	2729.	2.898
1214.	15.75	2730.	2.882
1215.	15.73	2731.	2.892
1216.	15.76	2732.	2.895
1217.	15.69	2733.	2.892
1218.	15.72	2734.	2.867
1219.	15.73	2735.	2.874
1220.	15.73	2736.	2.861

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	15.69	2737.	2.858
1222.	15.69	2738.	2.86
1223.	15.71	2739.	2.934
1224.	15.68	2740.	2.811
1225.	15.72	2741.	2.843
1226.	15.69	2742.	2.849
1227.	15.68	2743.	2.843
1228.	15.68	2744.	2.867
1229.	15.68	2745.	2.838
1230.	15.68	2746.	2.885
1231.	15.66	2747.	2.838
1232.	15.67	2748.	2.856
1233.	15.66	2749.	2.854
1234.	15.69	2750.	2.807
1235.	15.67	2751.	2.841
1236.	15.68	2752.	2.86
1237.	15.67	2753.	2.807
1238.	15.66	2754.	2.859
1239.	15.69	2755.	2.856
1240.	15.68	2756.	2.847
1241.	15.68	2757.	2.808
1242.	15.68	2758.	2.832
1243.	15.69	2759.	2.853
1244.	15.75	2760.	2.854
1245.	15.71	2761.	2.838
1246.	15.7	2762.	2.821
1247.	15.72	2763.	2.823
1248.	15.71	2764.	2.805
1249.	15.74	2765.	2.799
1250.	15.71	2766.	2.811
1251.	15.75	2767.	2.827
1252.	15.72	2768.	2.805
1253.	15.72	2769.	2.83
1254.	15.7	2770.	2.81
1255.	15.73	2771.	2.811
1256.	15.77	2772.	2.779
1257.	15.74	2773.	2.811
1258.	15.79	2774.	2.809
1259.	15.74	2775.	2.771
1260.	15.77	2776.	2.785
1261.	15.79	2777.	2.781
1262.	15.79	2778.	2.771
1263.	15.83	2779.	2.819
1264.	15.79	2780.	2.813
1265.	15.81	2781.	2.78
1266.	15.79	2782.	2.78
1267.	15.81	2783.	2.805
1268.	15.8	2784.	2.775
1269.	15.85	2785.	2.794
1270.	15.83	2786.	2.787
1271.	15.82	2787.	2.782
1272.	15.85	2788.	2.777
1273.	15.84	2789.	2.804
1274.	15.85	2790.	2.796
1275.	15.88	2791.	2.784
1276.	15.83	2792.	2.746
1277.	15.88	2793.	2.75
1278.	15.85	2794.	2.742
1279.	15.9	2795.	2.747
1280.	15.89	2796.	2.763
1281.	15.88	2797.	2.797
1282.	15.88	2798.	2.738
1283.	15.91	2799.	2.745
1284.	15.86	2800.	2.763
1285.	15.92	2801.	2.786
1286.	15.93	2802.	2.746

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	15.88	2803.	2.741
1288.	15.94	2804.	2.743
1289.	15.92	2805.	2.725
1290.	15.9	2806.	2.721
1291.	15.93	2807.	2.735
1292.	15.96	2808.	2.74
1293.	15.96	2809.	2.758
1294.	15.93	2810.	2.749
1295.	15.95	2811.	2.734
1296.	15.94	2812.	2.772
1297.	15.96	2813.	2.75
1298.	15.95	2814.	2.727
1299.	15.99	2815.	2.708
1300.	15.97	2816.	2.756
1301.	15.96	2817.	2.723
1302.	15.99	2818.	2.735
1303.	16.01	2819.	2.752
1304.	16.	2820.	2.733
1305.	16.	2821.	2.705
1306.	15.99	2822.	2.683
1307.	16.04	2823.	2.702
1308.	16.02	2824.	2.719
1309.	15.99	2825.	2.725
1310.	16.03	2826.	2.695
1311.	16.04	2827.	2.693
1312.	15.97	2828.	2.758
1313.	16.06	2829.	2.688
1314.	16.05	2830.	2.727
1315.	16.07	2831.	2.727
1316.	16.04	2832.	2.709
1317.	16.06	2833.	2.715
1318.	16.04	2834.	2.703
1319.	16.04	2835.	2.745
1320.	16.06	2836.	2.709
1321.	16.07	2837.	2.74
1322.	16.06	2838.	2.668
1323.	16.07	2839.	2.688
1324.	16.09	2840.	2.683
1325.	16.12	2841.	2.703
1326.	16.05	2842.	2.693
1327.	16.1	2843.	2.718
1328.	16.09	2844.	2.665
1329.	16.09	2845.	2.725
1330.	16.09	2846.	2.664
1331.	16.1	2847.	2.658
1332.	16.1	2848.	2.695
1333.	16.13	2849.	2.664
1334.	16.15	2850.	2.705
1335.	16.12	2851.	2.685
1336.	16.14	2852.	2.668
1337.	16.13	2853.	2.671
1338.	16.14	2854.	2.683
1339.	16.12	2855.	2.656
1340.	16.14	2856.	2.709
1341.	16.16	2857.	2.672
1342.	16.15	2858.	2.666
1343.	16.16	2859.	2.677
1344.	16.17	2860.	2.691
1345.	16.19	2861.	2.653
1346.	16.18	2862.	2.67
1347.	16.15	2863.	2.686
1348.	16.21	2864.	2.635
1349.	16.2	2865.	2.628
1350.	16.22	2866.	2.641
1351.	16.2	2867.	2.675
1352.	16.17	2868.	2.613

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	16.18	2869.	2.649
1354.	16.16	2870.	2.633
1355.	16.19	2871.	2.642
1356.	16.19	2872.	2.618
1357.	16.19	2873.	2.601
1358.	16.22	2874.	2.663
1359.	16.23	2875.	2.614
1360.	16.2	2876.	2.656
1361.	16.25	2877.	2.628
1362.	16.21	2878.	2.649
1363.	16.2	2879.	2.636
1364.	16.24	2880.	2.659
1365.	16.19	2881.	2.625
1366.	16.26	2882.	2.622
1367.	16.23	2883.	2.649
1368.	16.24	2884.	2.607
1369.	16.22	2885.	2.614
1370.	16.24	2886.	2.609
1371.	16.27	2887.	2.621
1372.	16.25	2888.	2.626
1373.	16.29	2889.	2.63
1374.	16.27	2890.	2.633
1375.	16.31	2891.	2.624
1376.	16.31	2892.	2.629
1377.	16.32	2893.	2.607
1378.	16.3	2894.	2.635
1379.	16.31	2895.	2.604
1380.	16.27	2896.	2.616
1381.	16.31	2897.	2.595
1382.	16.31	2898.	2.599
1383.	16.27	2899.	2.597
1384.	16.34	2900.	2.603
1385.	16.31	2901.	2.634
1386.	16.33	2902.	2.572
1387.	16.32	2903.	2.616
1388.	16.32	2904.	2.592
1389.	16.32	2905.	2.582
1390.	16.34	2906.	2.574
1391.	16.34	2907.	2.593
1392.	16.36	2908.	2.582
1393.	16.34	2909.	2.576
1394.	16.35	2910.	2.581
1395.	16.35	2911.	2.599
1396.	16.35	2912.	2.566
1397.	16.35	2913.	2.628
1398.	16.41	2914.	2.554
1399.	16.38	2915.	2.582
1400.	16.41	2916.	2.598
1401.	16.35	2917.	2.573
1402.	16.39	2918.	2.585
1403.	16.34	2919.	2.561
1404.	16.37	2920.	2.574
1405.	16.35	2921.	2.569
1406.	16.4	2922.	2.548
1407.	16.4	2923.	2.559
1408.	16.41	2924.	2.595
1409.	16.42	2925.	2.549
1410.	16.4	2926.	2.528
1411.	16.39	2927.	2.54
1412.	16.4	2928.	2.55
1413.	16.46	2929.	2.594
1414.	16.41	2930.	2.608
1415.	16.45	2931.	2.57
1416.	16.43	2932.	2.559
1417.	16.41	2933.	2.543
1418.	16.41	2934.	2.554

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	16.4	2935.	2.552
1420.	16.45	2936.	2.542
1421.	16.47	2937.	2.534
1422.	16.43	2938.	2.533
1423.	16.45	2939.	2.533
1424.	16.46	2940.	2.581
1425.	16.46	2941.	2.537
1426.	16.47	2942.	2.548
1427.	16.46	2943.	2.548
1428.	16.47	2944.	2.539
1429.	16.46	2945.	2.511
1430.	16.47	2946.	2.534
1431.	16.46	2947.	2.52
1432.	16.47	2948.	2.571
1433.	16.48	2949.	2.497
1434.	16.47	2950.	2.531
1435.	16.51	2951.	2.549
1436.	16.48	2952.	2.567
1437.	16.44	2953.	2.511
1438.	16.5	2954.	2.537
1439.	16.51	2955.	2.51
1440.	16.49	2956.	2.521
1441.	16.47	2957.	2.548
1442.	16.41	2958.	2.479
1443.	16.39	2959.	2.521
1444.	16.32	2960.	2.524
1445.	16.28	2961.	2.527
1446.	16.22	2962.	2.489
1447.	16.18	2963.	2.535
1448.	16.11	2964.	2.519
1449.	16.07	2965.	2.496
1450.	16.	2966.	2.541
1451.	15.95	2967.	2.491
1452.	15.83	2968.	2.533
1453.	15.79	2969.	2.531
1454.	15.66	2970.	2.514
1455.	15.6	2971.	2.504
1456.	15.54	2972.	2.487
1457.	15.43	2973.	2.485
1458.	15.33	2974.	2.491
1459.	15.24	2975.	2.498
1460.	15.2	2976.	2.503
1461.	15.1	2977.	2.5
1462.	15.07	2978.	2.471
1463.	14.98	2979.	2.503
1464.	14.87	2980.	2.514
1465.	14.85	2981.	2.481
1466.	14.72	2982.	2.501
1467.	14.68	2983.	2.481
1468.	14.59	2984.	2.487
1469.	14.54	2985.	2.523
1470.	14.48	2986.	2.492
1471.	14.41	2987.	2.505
1472.	14.3	2988.	2.487
1473.	14.28	2989.	2.499
1474.	14.17	2990.	2.485
1475.	14.13	2991.	2.465
1476.	14.09	2992.	2.49
1477.	14.01	2993.	2.46
1478.	13.91	2994.	2.452
1479.	13.89	2995.	2.473
1480.	13.84	2996.	2.474
1481.	13.74	2997.	2.482
1482.	13.69	2998.	2.459
1483.	13.65	2999.	2.458
1484.	13.59	3000.	2.458

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	13.48	3001.	2.475
1486.	13.48	3002.	2.467
1487.	13.41	3003.	2.466
1488.	13.38	3004.	2.484
1489.	13.31	3005.	2.483
1490.	13.21	3006.	2.434
1491.	13.23	3007.	2.461
1492.	13.14	3008.	2.445
1493.	13.06	3009.	2.482
1494.	13.04	3010.	2.436
1495.	12.98	3011.	2.426
1496.	12.9	3012.	2.45
1497.	12.87	3013.	2.48
1498.	12.81	3014.	2.494
1499.	12.77	3015.	2.476
1500.	12.76	3016.	2.442
1501.	12.7	3017.	2.46
1502.	12.62	3018.	2.42
1503.	12.59	3019.	2.443
1504.	12.54	3020.	2.437
1505.	12.5	3021.	2.46
1506.	12.44	3022.	2.488
1507.	12.41	3023.	2.455
1508.	12.35	3024.	2.392
1509.	12.3	3025.	2.4
1510.	12.28	3026.	2.46
1511.	12.23	3027.	2.426
1512.	12.18	3028.	2.444
1513.	12.11	3029.	2.432
1514.	12.09	3030.	2.421
1515.	12.06	3031.	2.409
1516.	12.02	3032.	2.427

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1350.3	ft^2/day
S	0.0001231	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.88 ft/day (0.005954 cm/sec)
Ss = S/b = 1.539E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1349.8	1.941	+/- 3.807	695.3	ft^2/day
S	0.0001292	4.938E-7	+/- 9.683E-7	261.7	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 16.87 ft/day (0.005952 cm/sec)
Ss = S/b = 1.615E-6 1/ft

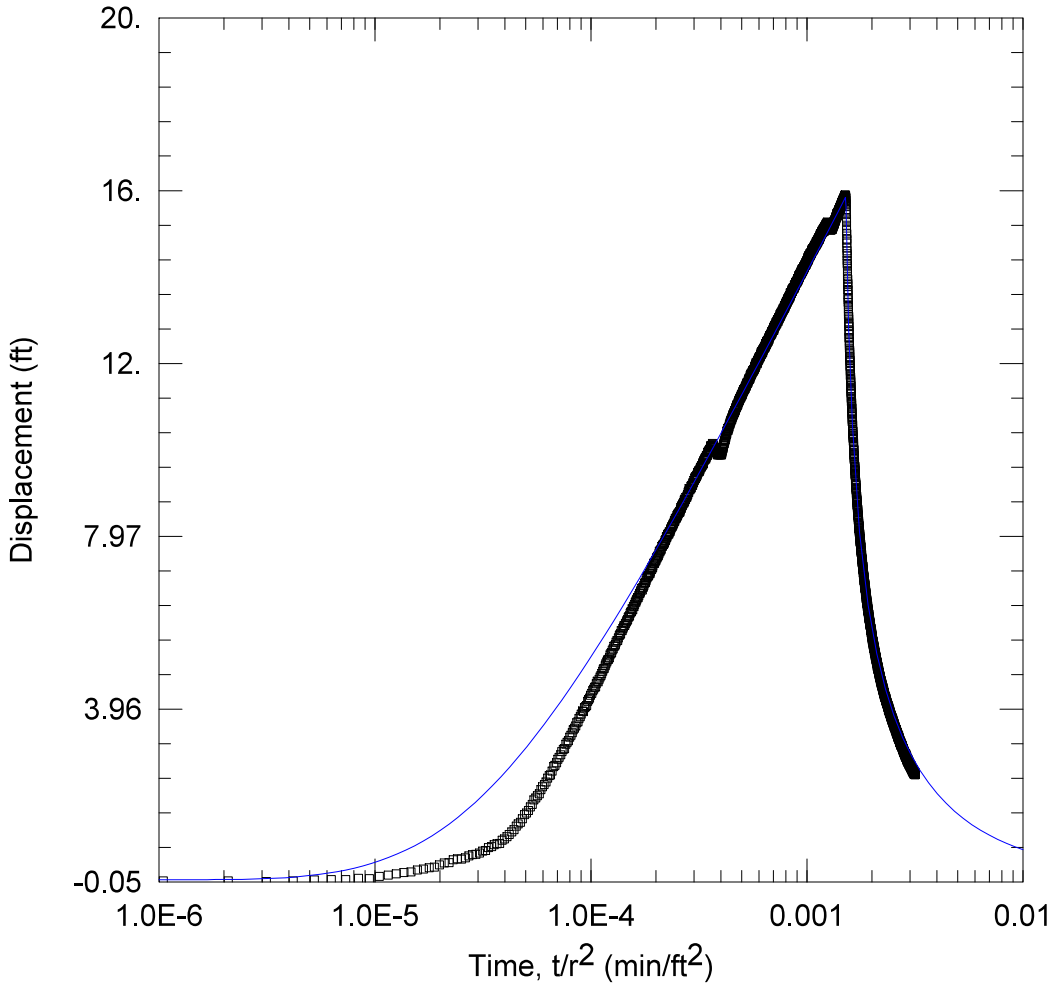
Parameter Correlations

	T	S
T	1.00	-0.85
S	-0.85	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 297. ft^2
Variance . . . . . 0.09801 ft^2
Std. Deviation . . . . . 0.3131 ft
Mean . . . . . -0.1119 ft
No. of Residuals 3032
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW30.aqt
Date: 04/11/25 Time: 12:12:31

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW30	1122	1770

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1359.8 ft^2/day
S = 0.0001259
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:26:46

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW30

X Location: 1122. ft
Y Location: 1770. ft

Radial distance from BM 1B: 976.3708312 ft
Radial distance from BM2A: 952.7402584 ft
Radial distance from BM3: 1149.271943 ft
Radial distance from BM 4 : 982.732924 ft
Radial distance from BM5: 720.4810893 ft
Radial distance from BM 6: 480.5205511 ft
Radial distance from BM7: 499.2995093 ft
Radial distance from BM9: 989.6186134 ft

Fully Penetrating Well

No. of Observations: 3026

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.02864	1514.	11.87
2.	-0.02457	1515.	11.82
3.	-0.04107	1516.	11.8
4.	-0.02744	1517.	11.71
5.	-0.008956	1518.	11.69
6.	0.000123	1519.	11.67
7.	-0.000863	1520.	11.61
8.	0.03245	1521.	11.58
9.	0.0215	1522.	11.56
10.	0.07348	1523.	11.54
11.	0.1088	1524.	11.46
12.	0.1322	1525.	11.46
13.	0.166	1526.	11.39
14.	0.1817	1527.	11.33
15.	0.2217	1528.	11.36
16.	0.2451	1529.	11.29
17.	0.2777	1530.	11.27
18.	0.2895	1531.	11.22
19.	0.3435	1532.	11.18
20.	0.3857	1533.	11.16
21.	0.3945	1534.	11.09
22.	0.465	1535.	11.08
23.	0.4847	1536.	11.02
24.	0.4797	1537.	11.05
25.	0.5073	1538.	10.97
26.	0.5526	1539.	10.93
27.	0.5829	1540.	10.94
28.	0.5916	1541.	10.87
29.	0.6193	1542.	10.84
30.	0.6642	1543.	10.83
31.	0.675	1544.	10.8
32.	0.7419	1545.	10.74

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.7634	1546.	10.71
34.	0.8096	1547.	10.69
35.	0.8357	1548.	10.67
36.	0.8397	1549.	10.63
37.	0.9153	1550.	10.63
38.	0.947	1551.	10.58
39.	0.995	1552.	10.54
40.	1.052	1553.	10.54
41.	1.106	1554.	10.48
42.	1.163	1555.	10.43
43.	1.242	1556.	10.4
44.	1.295	1557.	10.4
45.	1.331	1558.	10.34
46.	1.411	1559.	10.34
47.	1.506	1560.	10.31
48.	1.546	1561.	10.28
49.	1.607	1562.	10.24
50.	1.689	1563.	10.26
51.	1.746	1564.	10.24
52.	1.849	1565.	10.18
53.	1.894	1566.	10.14
54.	1.948	1567.	10.15
55.	1.994	1568.	10.1
56.	2.089	1569.	10.06
57.	2.158	1570.	10.07
58.	2.205	1571.	10.02
59.	2.267	1572.	9.992
60.	2.358	1573.	9.964
61.	2.413	1574.	9.961
62.	2.435	1575.	9.904
63.	2.524	1576.	9.863
64.	2.626	1577.	9.855
65.	2.658	1578.	9.826
66.	2.719	1579.	9.835
67.	2.792	1580.	9.792
68.	2.844	1581.	9.748
69.	2.903	1582.	9.769
70.	2.975	1583.	9.7
71.	3.026	1584.	9.698
72.	3.04	1585.	9.675
73.	3.144	1586.	9.627
74.	3.187	1587.	9.639
75.	3.228	1588.	9.594
76.	3.308	1589.	9.592
77.	3.349	1590.	9.533
78.	3.411	1591.	9.558
79.	3.481	1592.	9.493
80.	3.512	1593.	9.505
81.	3.566	1594.	9.469
82.	3.644	1595.	9.425
83.	3.66	1596.	9.418
84.	3.735	1597.	9.379
85.	3.781	1598.	9.399
86.	3.841	1599.	9.353
87.	3.917	1600.	9.339
88.	3.903	1601.	9.289
89.	3.986	1602.	9.262
90.	4.015	1603.	9.255
91.	4.044	1604.	9.235
92.	4.14	1605.	9.199
93.	4.174	1606.	9.179
94.	4.215	1607.	9.166
95.	4.276	1608.	9.157
96.	4.324	1609.	9.154
97.	4.381	1610.	9.109
98.	4.419	1611.	9.085

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	4.468	1612.	9.086
100.	4.474	1613.	9.053
101.	4.543	1614.	9.037
102.	4.606	1615.	9.024
103.	4.589	1616.	8.982
104.	4.651	1617.	8.978
105.	4.704	1618.	8.955
106.	4.739	1619.	8.948
107.	4.781	1620.	8.925
108.	4.833	1621.	8.897
109.	4.891	1622.	8.86
110.	4.901	1623.	8.83
111.	4.962	1624.	8.825
112.	5.009	1625.	8.804
113.	5.051	1626.	8.799
114.	5.095	1627.	8.781
115.	5.11	1628.	8.749
116.	5.151	1629.	8.745
117.	5.217	1630.	8.706
118.	5.249	1631.	8.689
119.	5.27	1632.	8.678
120.	5.327	1633.	8.679
121.	5.36	1634.	8.637
122.	5.417	1635.	8.661
123.	5.424	1636.	8.614
124.	5.46	1637.	8.605
125.	5.509	1638.	8.593
126.	5.546	1639.	8.572
127.	5.547	1640.	8.533
128.	5.609	1641.	8.521
129.	5.667	1642.	8.557
130.	5.684	1643.	8.492
131.	5.702	1644.	8.467
132.	5.78	1645.	8.443
133.	5.784	1646.	8.464
134.	5.827	1647.	8.445
135.	5.865	1648.	8.41
136.	5.899	1649.	8.42
137.	5.905	1650.	8.396
138.	5.943	1651.	8.362
139.	5.984	1652.	8.35
140.	6.015	1653.	8.335
141.	6.038	1654.	8.329
142.	6.092	1655.	8.28
143.	6.099	1656.	8.284
144.	6.126	1657.	8.238
145.	6.184	1658.	8.228
146.	6.216	1659.	8.246
147.	6.22	1660.	8.204
148.	6.288	1661.	8.21
149.	6.268	1662.	8.212
150.	6.347	1663.	8.174
151.	6.341	1664.	8.138
152.	6.389	1665.	8.138
153.	6.443	1666.	8.116
154.	6.446	1667.	8.101
155.	6.481	1668.	8.08
156.	6.514	1669.	8.085
157.	6.551	1670.	8.056
158.	6.547	1671.	8.035
159.	6.591	1672.	8.033
160.	6.647	1673.	8.02
161.	6.65	1674.	8.021
162.	6.682	1675.	7.994
163.	6.716	1676.	7.991
164.	6.76	1677.	7.941

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	6.725	1678.	7.967
166.	6.786	1679.	7.925
167.	6.796	1680.	7.925
168.	6.829	1681.	7.893
169.	6.88	1682.	7.873
170.	6.895	1683.	7.919
171.	6.903	1684.	7.837
172.	6.945	1685.	7.85
173.	7.001	1686.	7.825
174.	7.02	1687.	7.84
175.	7.036	1688.	7.839
176.	7.05	1689.	7.792
177.	7.069	1690.	7.783
178.	7.113	1691.	7.781
179.	7.103	1692.	7.762
180.	7.141	1693.	7.738
181.	7.192	1694.	7.727
182.	7.205	1695.	7.723
183.	7.255	1696.	7.72
184.	7.237	1697.	7.652
185.	7.283	1698.	7.688
186.	7.341	1699.	7.64
187.	7.357	1700.	7.638
188.	7.343	1701.	7.621
189.	7.378	1702.	7.618
190.	7.411	1703.	7.6
191.	7.414	1704.	7.582
192.	7.465	1705.	7.6
193.	7.466	1706.	7.541
194.	7.502	1707.	7.552
195.	7.517	1708.	7.536
196.	7.53	1709.	7.551
197.	7.562	1710.	7.5
198.	7.626	1711.	7.525
199.	7.61	1712.	7.466
200.	7.647	1713.	7.474
201.	7.652	1714.	7.435
202.	7.68	1715.	7.446
203.	7.738	1716.	7.416
204.	7.733	1717.	7.427
205.	7.75	1718.	7.442
206.	7.781	1719.	7.373
207.	7.782	1720.	7.39
208.	7.803	1721.	7.363
209.	7.827	1722.	7.348
210.	7.866	1723.	7.336
211.	7.873	1724.	7.327
212.	7.893	1725.	7.317
213.	7.956	1726.	7.336
214.	7.939	1727.	7.298
215.	7.969	1728.	7.293
216.	8.011	1729.	7.274
217.	8.002	1730.	7.276
218.	8.032	1731.	7.261
219.	8.024	1732.	7.248
220.	8.072	1733.	7.207
221.	8.066	1734.	7.223
222.	8.078	1735.	7.205
223.	8.118	1736.	7.212
224.	8.137	1737.	7.186
225.	8.185	1738.	7.185
226.	8.187	1739.	7.18
227.	8.196	1740.	7.119
228.	8.229	1741.	7.131
229.	8.246	1742.	7.125
230.	8.271	1743.	7.132

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	8.279	1744.	7.12
232.	8.328	1745.	7.078
233.	8.316	1746.	7.073
234.	8.345	1747.	7.071
235.	8.387	1748.	7.05
236.	8.381	1749.	7.029
237.	8.398	1750.	7.027
238.	8.411	1751.	7.021
239.	8.452	1752.	7.002
240.	8.445	1753.	7.026
241.	8.481	1754.	6.973
242.	8.502	1755.	6.932
243.	8.51	1756.	6.956
244.	8.52	1757.	6.938
245.	8.537	1758.	6.942
246.	8.529	1759.	6.945
247.	8.556	1760.	6.965
248.	8.594	1761.	6.897
249.	8.633	1762.	6.924
250.	8.621	1763.	6.916
251.	8.671	1764.	6.882
252.	8.679	1765.	6.868
253.	8.684	1766.	6.864
254.	8.713	1767.	6.831
255.	8.721	1768.	6.87
256.	8.76	1769.	6.845
257.	8.747	1770.	6.839
258.	8.815	1771.	6.801
259.	8.776	1772.	6.763
260.	8.834	1773.	6.826
261.	8.819	1774.	6.769
262.	8.827	1775.	6.769
263.	8.875	1776.	6.751
264.	8.881	1777.	6.756
265.	8.879	1778.	6.762
266.	8.909	1779.	6.74
267.	8.939	1780.	6.735
268.	8.936	1781.	6.685
269.	8.987	1782.	6.715
270.	9.018	1783.	6.708
271.	8.987	1784.	6.667
272.	9.076	1785.	6.651
273.	9.053	1786.	6.667
274.	9.046	1787.	6.628
275.	9.08	1788.	6.638
276.	9.082	1789.	6.657
277.	9.126	1790.	6.613
278.	9.094	1791.	6.617
279.	9.142	1792.	6.611
280.	9.149	1793.	6.594
281.	9.159	1794.	6.569
282.	9.153	1795.	6.54
283.	9.204	1796.	6.545
284.	9.216	1797.	6.545
285.	9.213	1798.	6.524
286.	9.262	1799.	6.524
287.	9.268	1800.	6.516
288.	9.271	1801.	6.514
289.	9.313	1802.	6.494
290.	9.334	1803.	6.492
291.	9.306	1804.	6.516
292.	9.351	1805.	6.472
293.	9.341	1806.	6.447
294.	9.348	1807.	6.458
295.	9.374	1808.	6.473
296.	9.387	1809.	6.428

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	9.408	1810.	6.421
298.	9.446	1811.	6.432
299.	9.44	1812.	6.414
300.	9.469	1813.	6.395
301.	9.483	1814.	6.397
302.	9.494	1815.	6.404
303.	9.472	1816.	6.34
304.	9.497	1817.	6.394
305.	9.519	1818.	6.378
306.	9.552	1819.	6.345
307.	9.57	1820.	6.369
308.	9.562	1821.	6.337
309.	9.585	1822.	6.304
310.	9.594	1823.	6.345
311.	9.615	1824.	6.301
312.	9.615	1825.	6.281
313.	9.642	1826.	6.296
314.	9.645	1827.	6.279
315.	9.671	1828.	6.24
316.	9.677	1829.	6.248
317.	9.649	1830.	6.254
318.	9.717	1831.	6.266
319.	9.73	1832.	6.226
320.	9.747	1833.	6.25
321.	9.757	1834.	6.212
322.	9.768	1835.	6.238
323.	9.796	1836.	6.24
324.	9.762	1837.	6.179
325.	9.791	1838.	6.211
326.	9.807	1839.	6.173
327.	9.845	1840.	6.173
328.	9.832	1841.	6.154
329.	9.849	1842.	6.151
330.	9.842	1843.	6.159
331.	9.916	1844.	6.146
332.	9.872	1845.	6.161
333.	9.928	1846.	6.124
334.	9.905	1847.	6.117
335.	9.942	1848.	6.094
336.	9.939	1849.	6.072
337.	9.969	1850.	6.107
338.	9.981	1851.	6.078
339.	9.949	1852.	6.074
340.	10.	1853.	6.062
341.	10.03	1854.	6.042
342.	10.07	1855.	6.069
343.	10.05	1856.	6.046
344.	10.05	1857.	6.044
345.	10.06	1858.	6.035
346.	10.07	1859.	6.019
347.	10.05	1860.	6.007
348.	10.12	1861.	5.994
349.	10.1	1862.	6.006
350.	10.11	1863.	5.992
351.	10.08	1864.	5.988
352.	10.05	1865.	5.96
353.	10.07	1866.	5.947
354.	10.03	1867.	5.955
355.	10.03	1868.	5.971
356.	10.03	1869.	5.933
357.	10.01	1870.	5.957
358.	9.977	1871.	5.935
359.	9.975	1872.	5.911
360.	9.957	1873.	5.903
361.	9.954	1874.	5.916
362.	9.911	1875.	5.898

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	9.942	1876.	5.895
364.	9.965	1877.	5.887
365.	9.942	1878.	5.88
366.	9.914	1879.	5.87
367.	9.903	1880.	5.863
368.	9.857	1881.	5.851
369.	9.915	1882.	5.85
370.	9.877	1883.	5.828
371.	9.881	1884.	5.83
372.	9.884	1885.	5.825
373.	9.859	1886.	5.839
374.	9.868	1887.	5.804
375.	9.893	1888.	5.783
376.	9.872	1889.	5.79
377.	9.879	1890.	5.798
378.	9.856	1891.	5.783
379.	9.862	1892.	5.775
380.	9.876	1893.	5.773
381.	9.868	1894.	5.766
382.	9.865	1895.	5.727
383.	9.853	1896.	5.738
384.	9.899	1897.	5.736
385.	9.879	1898.	5.744
386.	9.914	1899.	5.692
387.	9.946	1900.	5.725
388.	9.994	1901.	5.704
389.	10.02	1902.	5.723
390.	9.997	1903.	5.725
391.	10.04	1904.	5.691
392.	10.06	1905.	5.693
393.	10.1	1906.	5.666
394.	10.12	1907.	5.648
395.	10.13	1908.	5.682
396.	10.16	1909.	5.646
397.	10.16	1910.	5.66
398.	10.19	1911.	5.642
399.	10.22	1912.	5.625
400.	10.22	1913.	5.58
401.	10.28	1914.	5.616
402.	10.27	1915.	5.605
403.	10.32	1916.	5.58
404.	10.33	1917.	5.586
405.	10.34	1918.	5.604
406.	10.36	1919.	5.583
407.	10.4	1920.	5.552
408.	10.42	1921.	5.54
409.	10.43	1922.	5.547
410.	10.43	1923.	5.544
411.	10.48	1924.	5.539
412.	10.43	1925.	5.524
413.	10.47	1926.	5.519
414.	10.49	1927.	5.534
415.	10.48	1928.	5.533
416.	10.51	1929.	5.507
417.	10.56	1930.	5.492
418.	10.56	1931.	5.508
419.	10.57	1932.	5.491
420.	10.58	1933.	5.536
421.	10.6	1934.	5.46
422.	10.63	1935.	5.472
423.	10.62	1936.	5.474
424.	10.64	1937.	5.431
425.	10.66	1938.	5.466
426.	10.69	1939.	5.433
427.	10.68	1940.	5.453
428.	10.67	1941.	5.446

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	10.72	1942.	5.449
430.	10.74	1943.	5.428
431.	10.74	1944.	5.432
432.	10.76	1945.	5.394
433.	10.78	1946.	5.422
434.	10.77	1947.	5.422
435.	10.79	1948.	5.406
436.	10.79	1949.	5.395
437.	10.82	1950.	5.394
438.	10.83	1951.	5.361
439.	10.84	1952.	5.37
440.	10.85	1953.	5.355
441.	10.84	1954.	5.353
442.	10.88	1955.	5.354
443.	10.89	1956.	5.356
444.	10.88	1957.	5.367
445.	10.91	1958.	5.306
446.	10.91	1959.	5.326
447.	10.94	1960.	5.367
448.	10.97	1961.	5.308
449.	10.95	1962.	5.321
450.	10.96	1963.	5.29
451.	11.02	1964.	5.276
452.	10.98	1965.	5.323
453.	11.01	1966.	5.284
454.	11.01	1967.	5.275
455.	11.03	1968.	5.288
456.	11.03	1969.	5.273
457.	11.03	1970.	5.277
458.	11.06	1971.	5.27
459.	11.09	1972.	5.293
460.	11.08	1973.	5.242
461.	11.11	1974.	5.235
462.	11.13	1975.	5.247
463.	11.11	1976.	5.241
464.	11.11	1977.	5.208
465.	11.15	1978.	5.218
466.	11.16	1979.	5.184
467.	11.17	1980.	5.188
468.	11.17	1981.	5.209
469.	11.18	1982.	5.206
470.	11.21	1983.	5.187
471.	11.19	1984.	5.186
472.	11.19	1985.	5.188
473.	11.22	1986.	5.17
474.	11.25	1987.	5.15
475.	11.26	1988.	5.168
476.	11.24	1989.	5.172
477.	11.24	1990.	5.158
478.	11.26	1991.	5.151
479.	11.29	1992.	5.166
480.	11.27	1993.	5.156
481.	11.31	1994.	5.119
482.	11.32	1995.	5.106
483.	11.32	1996.	5.138
484.	11.34	1997.	5.133
485.	11.34	1998.	5.107
486.	11.37	1999.	5.11
487.	11.37	2000.	5.13
488.	11.36	2001.	5.075
489.	11.37	2002.	5.073
490.	11.39	2003.	5.077
491.	11.39	2004.	5.051
492.	11.4	2005.	5.045
493.	11.41	2006.	5.045
494.	11.41	2007.	5.055

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	11.45	2008.	5.077
496.	11.44	2009.	5.057
497.	11.45	2010.	5.044
498.	11.45	2011.	5.043
499.	11.47	2012.	5.034
500.	11.47	2013.	5.032
501.	11.5	2014.	5.038
502.	11.49	2015.	5.017
503.	11.53	2016.	5.017
504.	11.52	2017.	4.989
505.	11.52	2018.	5.015
506.	11.53	2019.	4.944
507.	11.54	2020.	5.003
508.	11.53	2021.	4.979
509.	11.55	2022.	4.965
510.	11.58	2023.	4.983
511.	11.58	2024.	4.968
512.	11.59	2025.	4.956
513.	11.62	2026.	4.948
514.	11.61	2027.	4.955
515.	11.61	2028.	4.948
516.	11.64	2029.	4.909
517.	11.62	2030.	4.941
518.	11.62	2031.	4.937
519.	11.64	2032.	4.94
520.	11.64	2033.	4.937
521.	11.7	2034.	4.917
522.	11.67	2035.	4.927
523.	11.68	2036.	4.895
524.	11.69	2037.	4.878
525.	11.72	2038.	4.903
526.	11.71	2039.	4.871
527.	11.74	2040.	4.891
528.	11.73	2041.	4.864
529.	11.73	2042.	4.883
530.	11.75	2043.	4.865
531.	11.76	2044.	4.856
532.	11.76	2045.	4.853
533.	11.8	2046.	4.85
534.	11.8	2047.	4.852
535.	11.79	2048.	4.833
536.	11.79	2049.	4.855
537.	11.82	2050.	4.836
538.	11.82	2051.	4.822
539.	11.82	2052.	4.855
540.	11.81	2053.	4.822
541.	11.84	2054.	4.824
542.	11.83	2055.	4.82
543.	11.83	2056.	4.801
544.	11.85	2057.	4.79
545.	11.86	2058.	4.813
546.	11.89	2059.	4.81
547.	11.9	2060.	4.799
548.	11.9	2061.	4.805
549.	11.91	2062.	4.752
550.	11.89	2063.	4.762
551.	11.95	2064.	4.788
552.	11.95	2065.	4.77
553.	11.95	2066.	4.774
554.	11.93	2067.	4.742
555.	11.98	2068.	4.724
556.	12.	2069.	4.77
557.	12.01	2070.	4.729
558.	12.	2071.	4.741
559.	12.01	2072.	4.738
560.	11.98	2073.	4.703

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	11.97	2074.	4.725
562.	12.02	2075.	4.737
563.	12.01	2076.	4.705
564.	12.02	2077.	4.709
565.	12.05	2078.	4.71
566.	12.06	2079.	4.723
567.	12.05	2080.	4.707
568.	12.07	2081.	4.699
569.	12.08	2082.	4.695
570.	12.07	2083.	4.68
571.	12.07	2084.	4.676
572.	12.1	2085.	4.67
573.	12.11	2086.	4.663
574.	12.12	2087.	4.667
575.	12.13	2088.	4.639
576.	12.11	2089.	4.683
577.	12.11	2090.	4.639
578.	12.13	2091.	4.624
579.	12.13	2092.	4.653
580.	12.14	2093.	4.632
581.	12.18	2094.	4.634
582.	12.16	2095.	4.606
583.	12.18	2096.	4.632
584.	12.2	2097.	4.616
585.	12.19	2098.	4.608
586.	12.23	2099.	4.601
587.	12.19	2100.	4.605
588.	12.25	2101.	4.607
589.	12.21	2102.	4.587
590.	12.21	2103.	4.601
591.	12.26	2104.	4.62
592.	12.23	2105.	4.605
593.	12.24	2106.	4.585
594.	12.26	2107.	4.562
595.	12.24	2108.	4.552
596.	12.28	2109.	4.564
597.	12.27	2110.	4.565
598.	12.3	2111.	4.558
599.	12.3	2112.	4.566
600.	12.29	2113.	4.556
601.	12.33	2114.	4.54
602.	12.33	2115.	4.555
603.	12.32	2116.	4.542
604.	12.33	2117.	4.542
605.	12.35	2118.	4.521
606.	12.34	2119.	4.554
607.	12.35	2120.	4.521
608.	12.36	2121.	4.507
609.	12.38	2122.	4.505
610.	12.36	2123.	4.503
611.	12.4	2124.	4.528
612.	12.36	2125.	4.5
613.	12.41	2126.	4.514
614.	12.44	2127.	4.524
615.	12.4	2128.	4.492
616.	12.41	2129.	4.467
617.	12.41	2130.	4.472
618.	12.41	2131.	4.469
619.	12.42	2132.	4.476
620.	12.49	2133.	4.501
621.	12.48	2134.	4.492
622.	12.47	2135.	4.48
623.	12.44	2136.	4.441
624.	12.48	2137.	4.473
625.	12.47	2138.	4.442
626.	12.48	2139.	4.471

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	12.47	2140.	4.458
628.	12.49	2141.	4.455
629.	12.52	2142.	4.419
630.	12.49	2143.	4.453
631.	12.52	2144.	4.449
632.	12.55	2145.	4.419
633.	12.53	2146.	4.414
634.	12.52	2147.	4.395
635.	12.57	2148.	4.417
636.	12.57	2149.	4.409
637.	12.54	2150.	4.41
638.	12.57	2151.	4.387
639.	12.59	2152.	4.38
640.	12.59	2153.	4.391
641.	12.6	2154.	4.425
642.	12.6	2155.	4.376
643.	12.62	2156.	4.369
644.	12.63	2157.	4.381
645.	12.62	2158.	4.381
646.	12.64	2159.	4.371
647.	12.63	2160.	4.396
648.	12.66	2161.	4.353
649.	12.66	2162.	4.358
650.	12.64	2163.	4.344
651.	12.65	2164.	4.351
652.	12.67	2165.	4.344
653.	12.69	2166.	4.34
654.	12.69	2167.	4.328
655.	12.71	2168.	4.311
656.	12.69	2169.	4.314
657.	12.69	2170.	4.324
658.	12.73	2171.	4.326
659.	12.71	2172.	4.315
660.	12.73	2173.	4.318
661.	12.74	2174.	4.347
662.	12.74	2175.	4.343
663.	12.75	2176.	4.321
664.	12.74	2177.	4.31
665.	12.76	2178.	4.273
666.	12.77	2179.	4.288
667.	12.77	2180.	4.284
668.	12.75	2181.	4.274
669.	12.79	2182.	4.292
670.	12.75	2183.	4.278
671.	12.82	2184.	4.245
672.	12.82	2185.	4.272
673.	12.82	2186.	4.285
674.	12.79	2187.	4.263
675.	12.84	2188.	4.262
676.	12.84	2189.	4.259
677.	12.84	2190.	4.261
678.	12.86	2191.	4.229
679.	12.84	2192.	4.25
680.	12.87	2193.	4.238
681.	12.85	2194.	4.257
682.	12.87	2195.	4.247
683.	12.87	2196.	4.252
684.	12.87	2197.	4.233
685.	12.87	2198.	4.24
686.	12.93	2199.	4.215
687.	12.9	2200.	4.229
688.	12.92	2201.	4.226
689.	12.91	2202.	4.223
690.	12.9	2203.	4.242
691.	12.91	2204.	4.222
692.	12.9	2205.	4.197

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	12.94	2206.	4.184
694.	12.95	2207.	4.196
695.	12.96	2208.	4.167
696.	12.96	2209.	4.2
697.	12.97	2210.	4.216
698.	12.97	2211.	4.212
699.	13.	2212.	4.216
700.	12.96	2213.	4.159
701.	12.96	2214.	4.178
702.	12.99	2215.	4.174
703.	13.	2216.	4.165
704.	13.	2217.	4.158
705.	12.99	2218.	4.159
706.	13.04	2219.	4.165
707.	13.03	2220.	4.155
708.	13.04	2221.	4.174
709.	13.02	2222.	4.135
710.	13.04	2223.	4.128
711.	13.06	2224.	4.171
712.	13.05	2225.	4.135
713.	13.08	2226.	4.142
714.	13.05	2227.	4.124
715.	13.07	2228.	4.133
716.	13.11	2229.	4.129
717.	13.08	2230.	4.116
718.	13.08	2231.	4.088
719.	13.1	2232.	4.138
720.	13.12	2233.	4.095
721.	13.11	2234.	4.103
722.	13.12	2235.	4.096
723.	13.1	2236.	4.116
724.	13.15	2237.	4.113
725.	13.15	2238.	4.101
726.	13.16	2239.	4.122
727.	13.16	2240.	4.091
728.	13.16	2241.	4.09
729.	13.14	2242.	4.079
730.	13.15	2243.	4.094
731.	13.16	2244.	4.094
732.	13.18	2245.	4.082
733.	13.2	2246.	4.09
734.	13.2	2247.	4.081
735.	13.21	2248.	4.06
736.	13.2	2249.	4.062
737.	13.2	2250.	4.063
738.	13.22	2251.	4.047
739.	13.22	2252.	4.069
740.	13.22	2253.	4.055
741.	13.25	2254.	4.053
742.	13.25	2255.	4.067
743.	13.23	2256.	4.049
744.	13.23	2257.	4.04
745.	13.26	2258.	4.013
746.	13.27	2259.	4.04
747.	13.25	2260.	4.012
748.	13.26	2261.	4.033
749.	13.27	2262.	4.025
750.	13.3	2263.	4.013
751.	13.31	2264.	4.05
752.	13.32	2265.	4.013
753.	13.28	2266.	4.012
754.	13.28	2267.	4.024
755.	13.33	2268.	4.013
756.	13.33	2269.	3.986
757.	13.32	2270.	4.001
758.	13.36	2271.	4.012

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	13.31	2272.	4.011
760.	13.38	2273.	3.991
761.	13.38	2274.	4.006
762.	13.36	2275.	3.937
763.	13.37	2276.	4.
764.	13.37	2277.	3.989
765.	13.36	2278.	3.941
766.	13.41	2279.	4.004
767.	13.36	2280.	3.973
768.	13.4	2281.	3.958
769.	13.41	2282.	4.008
770.	13.4	2283.	3.984
771.	13.4	2284.	3.973
772.	13.39	2285.	3.96
773.	13.42	2286.	3.978
774.	13.43	2287.	3.925
775.	13.45	2288.	3.962
776.	13.46	2289.	3.945
777.	13.43	2290.	3.916
778.	13.47	2291.	3.953
779.	13.47	2292.	3.91
780.	13.48	2293.	3.934
781.	13.47	2294.	3.92
782.	13.45	2295.	3.913
783.	13.46	2296.	3.948
784.	13.51	2297.	3.916
785.	13.46	2298.	3.926
786.	13.52	2299.	3.945
787.	13.49	2300.	3.905
788.	13.52	2301.	3.903
789.	13.5	2302.	3.879
790.	13.53	2303.	3.884
791.	13.54	2304.	3.902
792.	13.53	2305.	3.915
793.	13.56	2306.	3.919
794.	13.51	2307.	3.91
795.	13.54	2308.	3.876
796.	13.52	2309.	3.873
797.	13.57	2310.	3.861
798.	13.55	2311.	3.886
799.	13.61	2312.	3.885
800.	13.57	2313.	3.885
801.	13.58	2314.	3.855
802.	13.59	2315.	3.879
803.	13.61	2316.	3.855
804.	13.62	2317.	3.842
805.	13.62	2318.	3.872
806.	13.61	2319.	3.834
807.	13.6	2320.	3.858
808.	13.61	2321.	3.861
809.	13.65	2322.	3.855
810.	13.64	2323.	3.841
811.	13.67	2324.	3.863
812.	13.66	2325.	3.858
813.	13.65	2326.	3.835
814.	13.66	2327.	3.819
815.	13.66	2328.	3.812
816.	13.7	2329.	3.837
817.	13.66	2330.	3.818
818.	13.68	2331.	3.816
819.	13.7	2332.	3.81
820.	13.69	2333.	3.831
821.	13.7	2334.	3.818
822.	13.69	2335.	3.804
823.	13.73	2336.	3.782
824.	13.72	2337.	3.826

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	13.74	2338.	3.786
826.	13.73	2339.	3.792
827.	13.74	2340.	3.794
828.	13.74	2341.	3.81
829.	13.74	2342.	3.764
830.	13.73	2343.	3.782
831.	13.73	2344.	3.777
832.	13.72	2345.	3.767
833.	13.74	2346.	3.789
834.	13.76	2347.	3.796
835.	13.8	2348.	3.793
836.	13.78	2349.	3.778
837.	13.77	2350.	3.756
838.	13.78	2351.	3.778
839.	13.8	2352.	3.766
840.	13.81	2353.	3.772
841.	13.78	2354.	3.768
842.	13.82	2355.	3.739
843.	13.81	2356.	3.726
844.	13.8	2357.	3.747
845.	13.85	2358.	3.738
846.	13.85	2359.	3.748
847.	13.84	2360.	3.753
848.	13.85	2361.	3.763
849.	13.84	2362.	3.747
850.	13.85	2363.	3.74
851.	13.85	2364.	3.719
852.	13.87	2365.	3.728
853.	13.88	2366.	3.723
854.	13.88	2367.	3.716
855.	13.88	2368.	3.709
856.	13.87	2369.	3.696
857.	13.89	2370.	3.702
858.	13.88	2371.	3.685
859.	13.86	2372.	3.716
860.	13.89	2373.	3.697
861.	13.9	2374.	3.696
862.	13.9	2375.	3.726
863.	13.9	2376.	3.714
864.	13.92	2377.	3.691
865.	13.95	2378.	3.698
866.	13.95	2379.	3.669
867.	13.92	2380.	3.73
868.	13.91	2381.	3.661
869.	13.93	2382.	3.701
870.	13.95	2383.	3.682
871.	13.96	2384.	3.657
872.	13.97	2385.	3.669
873.	13.97	2386.	3.671
874.	13.96	2387.	3.671
875.	14.01	2388.	3.678
876.	13.99	2389.	3.67
877.	13.99	2390.	3.641
878.	14.01	2391.	3.669
879.	13.99	2392.	3.679
880.	13.98	2393.	3.687
881.	14.02	2394.	3.634
882.	14.01	2395.	3.635
883.	14.04	2396.	3.631
884.	14.03	2397.	3.63
885.	14.03	2398.	3.625
886.	14.05	2399.	3.632
887.	14.06	2400.	3.659
888.	14.02	2401.	3.634
889.	14.05	2402.	3.644
890.	14.05	2403.	3.596

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	14.05	2404.	3.598
892.	14.07	2405.	3.623
893.	14.08	2406.	3.623
894.	14.06	2407.	3.607
895.	14.05	2408.	3.626
896.	14.07	2409.	3.607
897.	14.07	2410.	3.588
898.	14.1	2411.	3.632
899.	14.12	2412.	3.594
900.	14.08	2413.	3.594
901.	14.12	2414.	3.606
902.	14.11	2415.	3.595
903.	14.11	2416.	3.614
904.	14.09	2417.	3.586
905.	14.11	2418.	3.614
906.	14.13	2419.	3.554
907.	14.16	2420.	3.557
908.	14.11	2421.	3.596
909.	14.14	2422.	3.57
910.	14.17	2423.	3.598
911.	14.13	2424.	3.585
912.	14.14	2425.	3.551
913.	14.17	2426.	3.566
914.	14.17	2427.	3.543
915.	14.18	2428.	3.55
916.	14.17	2429.	3.567
917.	14.18	2430.	3.567
918.	14.16	2431.	3.539
919.	14.17	2432.	3.547
920.	14.18	2433.	3.569
921.	14.22	2434.	3.541
922.	14.21	2435.	3.551
923.	14.21	2436.	3.553
924.	14.22	2437.	3.55
925.	14.21	2438.	3.527
926.	14.2	2439.	3.544
927.	14.21	2440.	3.529
928.	14.22	2441.	3.502
929.	14.24	2442.	3.527
930.	14.25	2443.	3.539
931.	14.25	2444.	3.526
932.	14.25	2445.	3.518
933.	14.25	2446.	3.522
934.	14.25	2447.	3.52
935.	14.27	2448.	3.493
936.	14.26	2449.	3.509
937.	14.29	2450.	3.513
938.	14.26	2451.	3.523
939.	14.27	2452.	3.521
940.	14.28	2453.	3.507
941.	14.27	2454.	3.497
942.	14.29	2455.	3.5
943.	14.27	2456.	3.474
944.	14.28	2457.	3.495
945.	14.32	2458.	3.493
946.	14.3	2459.	3.478
947.	14.33	2460.	3.489
948.	14.32	2461.	3.477
949.	14.34	2462.	3.461
950.	14.34	2463.	3.465
951.	14.35	2464.	3.478
952.	14.36	2465.	3.467
953.	14.34	2466.	3.478
954.	14.35	2467.	3.477
955.	14.36	2468.	3.47
956.	14.35	2469.	3.455

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	14.37	2470.	3.492
958.	14.33	2471.	3.457
959.	14.38	2472.	3.424
960.	14.37	2473.	3.443
961.	14.36	2474.	3.463
962.	14.39	2475.	3.479
963.	14.37	2476.	3.489
964.	14.44	2477.	3.448
965.	14.37	2478.	3.424
966.	14.39	2479.	3.43
967.	14.42	2480.	3.404
968.	14.41	2481.	3.451
969.	14.42	2482.	3.416
970.	14.48	2483.	3.431
971.	14.4	2484.	3.44
972.	14.46	2485.	3.421
973.	14.45	2486.	3.436
974.	14.41	2487.	3.391
975.	14.45	2488.	3.417
976.	14.44	2489.	3.411
977.	14.47	2490.	3.413
978.	14.47	2491.	3.419
979.	14.46	2492.	3.417
980.	14.49	2493.	3.402
981.	14.47	2494.	3.424
982.	14.47	2495.	3.372
983.	14.5	2496.	3.385
984.	14.48	2497.	3.401
985.	14.48	2498.	3.393
986.	14.5	2499.	3.378
987.	14.47	2500.	3.365
988.	14.53	2501.	3.381
989.	14.5	2502.	3.396
990.	14.52	2503.	3.379
991.	14.53	2504.	3.37
992.	14.53	2505.	3.412
993.	14.53	2506.	3.359
994.	14.51	2507.	3.383
995.	14.54	2508.	3.386
996.	14.52	2509.	3.354
997.	14.55	2510.	3.378
998.	14.53	2511.	3.341
999.	14.54	2512.	3.353
1000.	14.56	2513.	3.347
1001.	14.56	2514.	3.344
1002.	14.57	2515.	3.361
1003.	14.58	2516.	3.377
1004.	14.57	2517.	3.341
1005.	14.61	2518.	3.298
1006.	14.56	2519.	3.346
1007.	14.6	2520.	3.327
1008.	14.6	2521.	3.326
1009.	14.59	2522.	3.331
1010.	14.63	2523.	3.311
1011.	14.6	2524.	3.328
1012.	14.63	2525.	3.307
1013.	14.6	2526.	3.324
1014.	14.61	2527.	3.296
1015.	14.64	2528.	3.324
1016.	14.61	2529.	3.315
1017.	14.61	2530.	3.318
1018.	14.62	2531.	3.316
1019.	14.62	2532.	3.295
1020.	14.63	2533.	3.29
1021.	14.62	2534.	3.304
1022.	14.64	2535.	3.344

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	14.66	2536.	3.286
1024.	14.65	2537.	3.293
1025.	14.62	2538.	3.284
1026.	14.64	2539.	3.306
1027.	14.65	2540.	3.288
1028.	14.67	2541.	3.263
1029.	14.66	2542.	3.272
1030.	14.68	2543.	3.258
1031.	14.69	2544.	3.291
1032.	14.7	2545.	3.293
1033.	14.68	2546.	3.283
1034.	14.7	2547.	3.291
1035.	14.68	2548.	3.264
1036.	14.7	2549.	3.253
1037.	14.69	2550.	3.27
1038.	14.7	2551.	3.243
1039.	14.71	2552.	3.272
1040.	14.72	2553.	3.268
1041.	14.74	2554.	3.26
1042.	14.71	2555.	3.246
1043.	14.72	2556.	3.249
1044.	14.73	2557.	3.234
1045.	14.71	2558.	3.251
1046.	14.75	2559.	3.254
1047.	14.72	2560.	3.24
1048.	14.72	2561.	3.249
1049.	14.75	2562.	3.242
1050.	14.73	2563.	3.225
1051.	14.76	2564.	3.221
1052.	14.77	2565.	3.247
1053.	14.78	2566.	3.219
1054.	14.75	2567.	3.193
1055.	14.76	2568.	3.206
1056.	14.81	2569.	3.209
1057.	14.76	2570.	3.198
1058.	14.76	2571.	3.197
1059.	14.76	2572.	3.203
1060.	14.79	2573.	3.214
1061.	14.8	2574.	3.194
1062.	14.8	2575.	3.18
1063.	14.8	2576.	3.215
1064.	14.78	2577.	3.219
1065.	14.82	2578.	3.209
1066.	14.81	2579.	3.169
1067.	14.82	2580.	3.178
1068.	14.8	2581.	3.205
1069.	14.82	2582.	3.176
1070.	14.83	2583.	3.178
1071.	14.82	2584.	3.172
1072.	14.79	2585.	3.184
1073.	14.82	2586.	3.198
1074.	14.84	2587.	3.17
1075.	14.85	2588.	3.151
1076.	14.85	2589.	3.185
1077.	14.87	2590.	3.161
1078.	14.85	2591.	3.181
1079.	14.88	2592.	3.177
1080.	14.88	2593.	3.181
1081.	14.89	2594.	3.176
1082.	14.89	2595.	3.182
1083.	14.89	2596.	3.149
1084.	14.87	2597.	3.141
1085.	14.9	2598.	3.13
1086.	14.88	2599.	3.165
1087.	14.9	2600.	3.118
1088.	14.86	2601.	3.137

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	14.9	2602.	3.14
1090.	14.91	2603.	3.156
1091.	14.91	2604.	3.135
1092.	14.91	2605.	3.114
1093.	14.91	2606.	3.123
1094.	14.89	2607.	3.112
1095.	14.92	2608.	3.128
1096.	14.94	2609.	3.121
1097.	14.95	2610.	3.129
1098.	14.93	2611.	3.12
1099.	14.93	2612.	3.132
1100.	14.93	2613.	3.134
1101.	14.93	2614.	3.125
1102.	14.98	2615.	3.106
1103.	14.94	2616.	3.136
1104.	14.96	2617.	3.139
1105.	14.99	2618.	3.122
1106.	14.97	2619.	3.127
1107.	14.99	2620.	3.132
1108.	15.	2621.	3.119
1109.	14.99	2622.	3.113
1110.	14.99	2623.	3.123
1111.	14.98	2624.	3.114
1112.	15.	2625.	3.088
1113.	15.	2626.	3.102
1114.	15.	2627.	3.11
1115.	15.02	2628.	3.107
1116.	14.99	2629.	3.102
1117.	15.	2630.	3.079
1118.	15.04	2631.	3.094
1119.	15.02	2632.	3.095
1120.	15.03	2633.	3.088
1121.	15.01	2634.	3.09
1122.	15.05	2635.	3.083
1123.	15.04	2636.	3.066
1124.	15.06	2637.	3.075
1125.	15.02	2638.	3.057
1126.	15.06	2639.	3.067
1127.	15.03	2640.	3.078
1128.	15.02	2641.	3.079
1129.	15.05	2642.	3.087
1130.	15.07	2643.	3.053
1131.	15.07	2644.	3.077
1132.	15.06	2645.	3.053
1133.	15.06	2646.	3.071
1134.	15.04	2647.	3.064
1135.	15.09	2648.	3.049
1136.	15.09	2649.	3.045
1137.	15.09	2650.	3.041
1138.	15.07	2651.	3.039
1139.	15.08	2652.	3.035
1140.	15.08	2653.	3.055
1141.	15.08	2654.	3.049
1142.	15.09	2655.	3.012
1143.	15.11	2656.	3.047
1144.	15.09	2657.	3.021
1145.	15.05	2658.	3.023
1146.	15.11	2659.	3.046
1147.	15.05	2660.	3.035
1148.	15.12	2661.	3.019
1149.	15.13	2662.	2.988
1150.	15.12	2663.	3.015
1151.	15.13	2664.	3.022
1152.	15.11	2665.	3.029
1153.	15.13	2666.	3.035
1154.	15.13	2667.	3.016

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	15.15	2668.	2.994
1156.	15.14	2669.	3.005
1157.	15.16	2670.	2.971
1158.	15.12	2671.	2.974
1159.	15.15	2672.	3.029
1160.	15.15	2673.	3.016
1161.	15.14	2674.	3.038
1162.	15.18	2675.	2.988
1163.	15.16	2676.	2.986
1164.	15.19	2677.	2.986
1165.	15.15	2678.	3.005
1166.	15.16	2679.	2.982
1167.	15.17	2680.	2.972
1168.	15.18	2681.	2.949
1169.	15.2	2682.	2.974
1170.	15.18	2683.	2.983
1171.	15.18	2684.	2.97
1172.	15.22	2685.	2.969
1173.	15.16	2686.	2.978
1174.	15.18	2687.	2.958
1175.	15.19	2688.	2.96
1176.	15.19	2689.	2.976
1177.	15.18	2690.	2.983
1178.	15.19	2691.	2.954
1179.	15.24	2692.	2.953
1180.	15.21	2693.	2.939
1181.	15.24	2694.	2.958
1182.	15.22	2695.	2.925
1183.	15.24	2696.	2.963
1184.	15.23	2697.	2.953
1185.	15.2	2698.	2.96
1186.	15.23	2699.	2.922
1187.	15.25	2700.	2.952
1188.	15.23	2701.	2.919
1189.	15.27	2702.	2.925
1190.	15.24	2703.	2.929
1191.	15.24	2704.	2.929
1192.	15.22	2705.	2.945
1193.	15.23	2706.	2.916
1194.	15.22	2707.	2.934
1195.	15.22	2708.	2.925
1196.	15.22	2709.	2.939
1197.	15.25	2710.	2.944
1198.	15.22	2711.	2.92
1199.	15.22	2712.	2.921
1200.	15.22	2713.	2.914
1201.	15.2	2714.	2.936
1202.	15.19	2715.	2.925
1203.	15.17	2716.	2.908
1204.	15.2	2717.	2.912
1205.	15.21	2718.	2.879
1206.	15.21	2719.	2.912
1207.	15.17	2720.	2.917
1208.	15.18	2721.	2.883
1209.	15.16	2722.	2.871
1210.	15.16	2723.	2.888
1211.	15.16	2724.	2.902
1212.	15.14	2725.	2.901
1213.	15.15	2726.	2.907
1214.	15.17	2727.	2.899
1215.	15.17	2728.	2.914
1216.	15.14	2729.	2.909
1217.	15.16	2730.	2.854
1218.	15.14	2731.	2.851
1219.	15.12	2732.	2.887
1220.	15.15	2733.	2.905

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	15.14	2734.	2.898
1222.	15.11	2735.	2.919
1223.	15.15	2736.	2.894
1224.	15.09	2737.	2.913
1225.	15.09	2738.	2.875
1226.	15.11	2739.	2.875
1227.	15.08	2740.	2.879
1228.	15.09	2741.	2.844
1229.	15.09	2742.	2.851
1230.	15.11	2743.	2.871
1231.	15.13	2744.	2.859
1232.	15.08	2745.	2.875
1233.	15.1	2746.	2.86
1234.	15.1	2747.	2.873
1235.	15.11	2748.	2.831
1236.	15.09	2749.	2.851
1237.	15.07	2750.	2.837
1238.	15.08	2751.	2.868
1239.	15.1	2752.	2.848
1240.	15.12	2753.	2.845
1241.	15.11	2754.	2.827
1242.	15.11	2755.	2.84
1243.	15.11	2756.	2.846
1244.	15.14	2757.	2.838
1245.	15.13	2758.	2.852
1246.	15.09	2759.	2.829
1247.	15.13	2760.	2.816
1248.	15.1	2761.	2.841
1249.	15.13	2762.	2.831
1250.	15.13	2763.	2.82
1251.	15.09	2764.	2.809
1252.	15.15	2765.	2.825
1253.	15.15	2766.	2.866
1254.	15.14	2767.	2.799
1255.	15.13	2768.	2.81
1256.	15.15	2769.	2.813
1257.	15.16	2770.	2.803
1258.	15.14	2771.	2.825
1259.	15.15	2772.	2.769
1260.	15.18	2773.	2.815
1261.	15.19	2774.	2.805
1262.	15.2	2775.	2.819
1263.	15.19	2776.	2.779
1264.	15.18	2777.	2.82
1265.	15.19	2778.	2.799
1266.	15.2	2779.	2.789
1267.	15.23	2780.	2.807
1268.	15.19	2781.	2.752
1269.	15.23	2782.	2.77
1270.	15.2	2783.	2.789
1271.	15.21	2784.	2.791
1272.	15.23	2785.	2.773
1273.	15.21	2786.	2.771
1274.	15.22	2787.	2.802
1275.	15.28	2788.	2.808
1276.	15.25	2789.	2.791
1277.	15.23	2790.	2.756
1278.	15.24	2791.	2.776
1279.	15.27	2792.	2.756
1280.	15.27	2793.	2.785
1281.	15.27	2794.	2.778
1282.	15.28	2795.	2.789
1283.	15.29	2796.	2.754
1284.	15.27	2797.	2.739
1285.	15.27	2798.	2.773
1286.	15.3	2799.	2.783

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	15.32	2800.	2.759
1288.	15.29	2801.	2.756
1289.	15.29	2802.	2.773
1290.	15.29	2803.	2.757
1291.	15.32	2804.	2.753
1292.	15.32	2805.	2.727
1293.	15.32	2806.	2.73
1294.	15.31	2807.	2.723
1295.	15.35	2808.	2.764
1296.	15.35	2809.	2.728
1297.	15.34	2810.	2.721
1298.	15.37	2811.	2.73
1299.	15.34	2812.	2.727
1300.	15.38	2813.	2.742
1301.	15.36	2814.	2.765
1302.	15.37	2815.	2.742
1303.	15.36	2816.	2.727
1304.	15.37	2817.	2.704
1305.	15.39	2818.	2.737
1306.	15.4	2819.	2.727
1307.	15.37	2820.	2.719
1308.	15.38	2821.	2.746
1309.	15.41	2822.	2.721
1310.	15.4	2823.	2.746
1311.	15.39	2824.	2.71
1312.	15.43	2825.	2.741
1313.	15.44	2826.	2.696
1314.	15.46	2827.	2.723
1315.	15.42	2828.	2.707
1316.	15.43	2829.	2.718
1317.	15.45	2830.	2.734
1318.	15.43	2831.	2.729
1319.	15.45	2832.	2.7
1320.	15.45	2833.	2.723
1321.	15.4	2834.	2.712
1322.	15.46	2835.	2.671
1323.	15.48	2836.	2.712
1324.	15.46	2837.	2.704
1325.	15.44	2838.	2.692
1326.	15.47	2839.	2.713
1327.	15.47	2840.	2.723
1328.	15.45	2841.	2.667
1329.	15.47	2842.	2.693
1330.	15.48	2843.	2.696
1331.	15.49	2844.	2.697
1332.	15.47	2845.	2.688
1333.	15.5	2846.	2.685
1334.	15.5	2847.	2.691
1335.	15.53	2848.	2.694
1336.	15.51	2849.	2.661
1337.	15.51	2850.	2.676
1338.	15.52	2851.	2.671
1339.	15.52	2852.	2.655
1340.	15.5	2853.	2.665
1341.	15.49	2854.	2.689
1342.	15.54	2855.	2.662
1343.	15.54	2856.	2.639
1344.	15.52	2857.	2.655
1345.	15.56	2858.	2.659
1346.	15.55	2859.	2.656
1347.	15.56	2860.	2.687
1348.	15.54	2861.	2.671
1349.	15.55	2862.	2.659
1350.	15.56	2863.	2.662
1351.	15.55	2864.	2.661
1352.	15.55	2865.	2.644

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	15.58	2866.	2.667
1354.	15.58	2867.	2.647
1355.	15.58	2868.	2.662
1356.	15.58	2869.	2.63
1357.	15.61	2870.	2.65
1358.	15.6	2871.	2.656
1359.	15.6	2872.	2.635
1360.	15.59	2873.	2.638
1361.	15.61	2874.	2.624
1362.	15.6	2875.	2.66
1363.	15.58	2876.	2.667
1364.	15.61	2877.	2.644
1365.	15.62	2878.	2.641
1366.	15.63	2879.	2.624
1367.	15.64	2880.	2.614
1368.	15.65	2881.	2.617
1369.	15.64	2882.	2.599
1370.	15.61	2883.	2.62
1371.	15.63	2884.	2.612
1372.	15.63	2885.	2.619
1373.	15.63	2886.	2.624
1374.	15.66	2887.	2.633
1375.	15.65	2888.	2.625
1376.	15.65	2889.	2.624
1377.	15.65	2890.	2.608
1378.	15.65	2891.	2.627
1379.	15.68	2892.	2.631
1380.	15.68	2893.	2.594
1381.	15.71	2894.	2.645
1382.	15.67	2895.	2.615
1383.	15.69	2896.	2.598
1384.	15.71	2897.	2.593
1385.	15.71	2898.	2.638
1386.	15.72	2899.	2.595
1387.	15.73	2900.	2.612
1388.	15.69	2901.	2.605
1389.	15.7	2902.	2.595
1390.	15.67	2903.	2.586
1391.	15.7	2904.	2.576
1392.	15.73	2905.	2.599
1393.	15.7	2906.	2.602
1394.	15.71	2907.	2.573
1395.	15.73	2908.	2.598
1396.	15.73	2909.	2.588
1397.	15.74	2910.	2.598
1398.	15.74	2911.	2.57
1399.	15.76	2912.	2.577
1400.	15.77	2913.	2.566
1401.	15.75	2914.	2.581
1402.	15.75	2915.	2.569
1403.	15.75	2916.	2.587
1404.	15.77	2917.	2.58
1405.	15.76	2918.	2.58
1406.	15.78	2919.	2.605
1407.	15.76	2920.	2.549
1408.	15.75	2921.	2.574
1409.	15.79	2922.	2.572
1410.	15.8	2923.	2.557
1411.	15.76	2924.	2.553
1412.	15.82	2925.	2.539
1413.	15.78	2926.	2.565
1414.	15.81	2927.	2.573
1415.	15.8	2928.	2.581
1416.	15.78	2929.	2.58
1417.	15.81	2930.	2.586
1418.	15.82	2931.	2.582

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	15.79	2932.	2.563
1420.	15.8	2933.	2.562
1421.	15.84	2934.	2.551
1422.	15.82	2935.	2.552
1423.	15.84	2936.	2.52
1424.	15.83	2937.	2.508
1425.	15.84	2938.	2.538
1426.	15.82	2939.	2.552
1427.	15.86	2940.	2.543
1428.	15.84	2941.	2.556
1429.	15.84	2942.	2.544
1430.	15.84	2943.	2.567
1431.	15.85	2944.	2.544
1432.	15.86	2945.	2.543
1433.	15.87	2946.	2.527
1434.	15.83	2947.	2.537
1435.	15.87	2948.	2.512
1436.	15.88	2949.	2.517
1437.	15.9	2950.	2.518
1438.	15.88	2951.	2.522
1439.	15.86	2952.	2.514
1440.	15.85	2953.	2.525
1441.	15.87	2954.	2.513
1442.	15.84	2955.	2.532
1443.	15.83	2956.	2.546
1444.	15.82	2957.	2.519
1445.	15.76	2958.	2.519
1446.	15.77	2959.	2.546
1447.	15.71	2960.	2.545
1448.	15.68	2961.	2.499
1449.	15.63	2962.	2.532
1450.	15.56	2963.	2.495
1451.	15.49	2964.	2.517
1452.	15.43	2965.	2.491
1453.	15.34	2966.	2.551
1454.	15.28	2967.	2.492
1455.	15.19	2968.	2.514
1456.	15.12	2969.	2.484
1457.	15.06	2970.	2.517
1458.	14.99	2971.	2.492
1459.	14.87	2972.	2.507
1460.	14.85	2973.	2.483
1461.	14.77	2974.	2.489
1462.	14.67	2975.	2.52
1463.	14.6	2976.	2.483
1464.	14.53	2977.	2.528
1465.	14.48	2978.	2.514
1466.	14.38	2979.	2.478
1467.	14.3	2980.	2.483
1468.	14.27	2981.	2.51
1469.	14.23	2982.	2.503
1470.	14.14	2983.	2.482
1471.	14.07	2984.	2.492
1472.	13.99	2985.	2.509
1473.	13.94	2986.	2.509
1474.	13.85	2987.	2.46
1475.	13.82	2988.	2.478
1476.	13.77	2989.	2.508
1477.	13.69	2990.	2.498
1478.	13.67	2991.	2.477
1479.	13.58	2992.	2.46
1480.	13.51	2993.	2.483
1481.	13.46	2994.	2.447
1482.	13.4	2995.	2.472
1483.	13.34	2996.	2.498
1484.	13.31	2997.	2.475

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	13.24	2998.	2.486
1486.	13.18	2999.	2.458
1487.	13.11	3000.	2.475
1488.	13.08	3001.	2.469
1489.	13.02	3002.	2.443
1490.	12.95	3003.	2.483
1491.	12.91	3004.	2.492
1492.	12.86	3005.	2.469
1493.	12.84	3006.	2.452
1494.	12.75	3007.	2.469
1495.	12.72	3008.	2.487
1496.	12.66	3009.	2.478
1497.	12.59	3010.	2.467
1498.	12.57	3011.	2.468
1499.	12.51	3012.	2.482
1500.	12.48	3013.	2.445
1501.	12.43	3014.	2.458
1502.	12.39	3015.	2.45
1503.	12.34	3016.	2.448
1504.	12.29	3017.	2.442
1505.	12.25	3018.	2.491
1506.	12.2	3019.	2.445
1507.	12.15	3020.	2.458
1508.	12.12	3021.	2.481
1509.	12.06	3022.	2.464
1510.	12.05	3023.	2.44
1511.	12.02	3024.	2.439
1512.	11.94	3025.	2.435
1513.	11.91	3026.	2.443

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1349.8	ft^2/day
S	0.0001292	
Kz/Kr	1.	
b	80.	ft

K = T/b = 16.87 ft/day (0.005952 cm/sec)
Ss = S/b = 1.615E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1359.8	1.864	+/- 3.655	729.6	ft^2/day
S	0.0001259	4.423E-7	+/- 8.673E-7	284.7	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 17. ft/day (0.005997 cm/sec)
Ss = S/b = 1.574E-6 1/ft

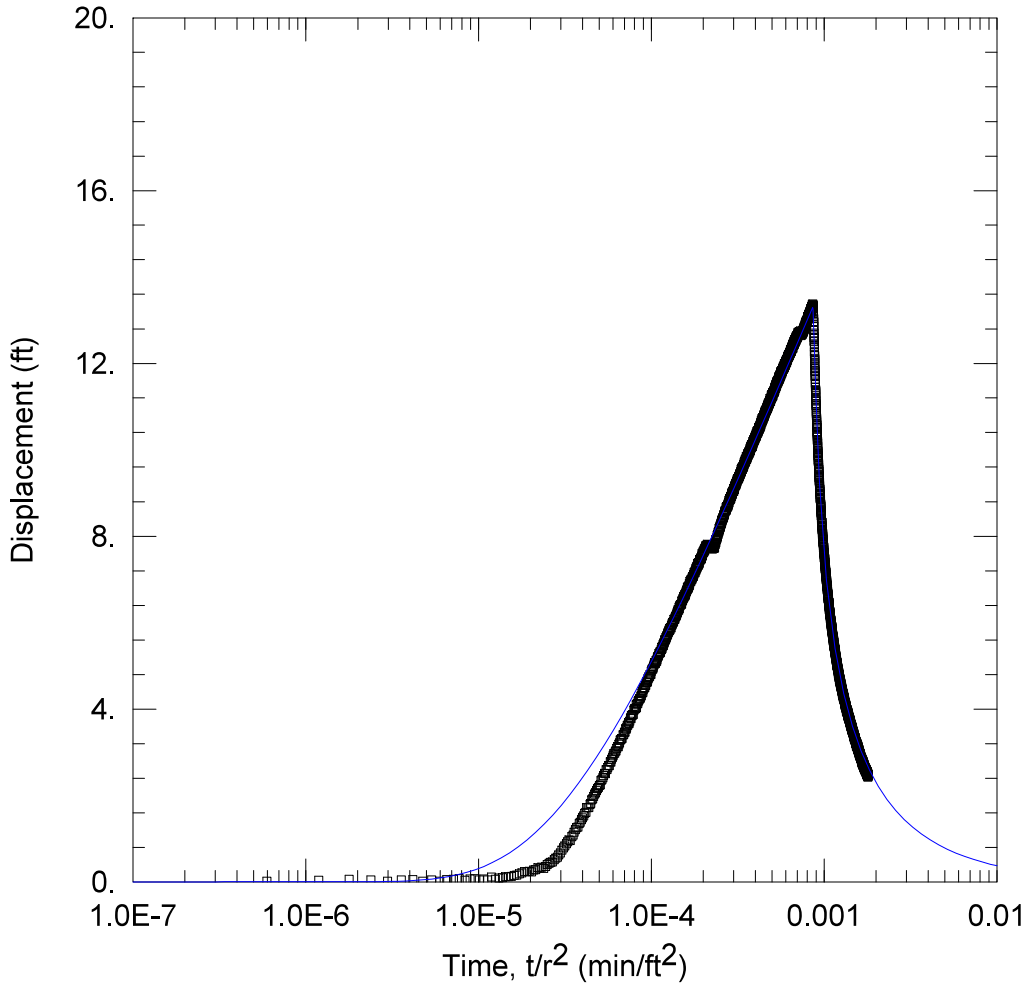
Parameter Correlations

	T	S
T	1.00	-0.84
S	-0.84	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 258.7 ft^2
Variance . . . . . 0.08554 ft^2
Std. Deviation . . . . . 0.2925 ft
Mean . . . . . -0.1033 ft
No. of Residuals 3026
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW31.aqt
Date: 04/11/25 Time: 12:12:55

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW31B	1467	2061

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1387.7 ft^2/day
S = 0.0001235
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:28:48

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW31B

X Location: 1467. ft
Y Location: 2061. ft

Radial distance from BM 1B: 1294.972587 ft
Radial distance from BM2A: 1159.078945 ft
Radial distance from BM3: 1567.502472 ft
Radial distance from BM 4 : 1382.35813 ft
Radial distance from BM5: 1141.597565 ft
Radial distance from BM 6: 881.5588466 ft
Radial distance from BM7: 714.9447531 ft
Radial distance from BM9: 839.3717889 ft

Fully Penetrating Well

No. of Observations: 3020

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.01178	1511.	11.
2.	0.03781	1512.	10.95
3.	0.05771	1513.	10.88
4.	0.04708	1514.	10.89
5.	0.01279	1515.	10.85
6.	0.04752	1516.	10.84
7.	0.0526	1517.	10.8
8.	0.01368	1518.	10.75
9.	0.04696	1519.	10.67
10.	0.01346	1520.	10.71
11.	0.05348	1521.	10.65
12.	0.0583	1522.	10.6
13.	0.07053	1523.	10.6
14.	0.03768	1524.	10.57
15.	0.06461	1525.	10.53
16.	0.07483	1526.	10.53
17.	0.04543	1527.	10.52
18.	0.06748	1528.	10.42
19.	0.04553	1529.	10.43
20.	0.1078	1530.	10.39
21.	0.0627	1531.	10.36
22.	0.09214	1532.	10.33
23.	0.09558	1533.	10.31
24.	0.1175	1534.	10.29
25.	0.1155	1535.	10.23
26.	0.1232	1536.	10.21
27.	0.1499	1537.	10.2
28.	0.1576	1538.	10.17
29.	0.1874	1539.	10.16
30.	0.21	1540.	10.09
31.	0.2397	1541.	10.08
32.	0.24	1542.	10.08

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.2408	1543.	10.03
34.	0.2293	1544.	9.977
35.	0.2737	1545.	9.972
36.	0.2839	1546.	9.92
37.	0.3251	1547.	9.91
38.	0.3182	1548.	9.943
39.	0.3432	1549.	9.868
40.	0.3103	1550.	9.865
41.	0.3536	1551.	9.825
42.	0.3996	1552.	9.829
43.	0.4293	1553.	9.766
44.	0.4526	1554.	9.762
45.	0.4572	1555.	9.744
46.	0.5076	1556.	9.719
47.	0.5461	1557.	9.688
48.	0.5723	1558.	9.65
49.	0.6208	1559.	9.67
50.	0.6667	1560.	9.611
51.	0.7324	1561.	9.599
52.	0.7842	1562.	9.57
53.	0.8261	1563.	9.548
54.	0.8819	1564.	9.545
55.	0.925	1565.	9.509
56.	0.9681	1566.	9.501
57.	0.9588	1567.	9.465
58.	1.043	1568.	9.425
59.	1.083	1569.	9.353
60.	1.151	1570.	9.4
61.	1.21	1571.	9.387
62.	1.254	1572.	9.38
63.	1.263	1573.	9.343
64.	1.349	1574.	9.286
65.	1.38	1575.	9.292
66.	1.437	1576.	9.254
67.	1.478	1577.	9.253
68.	1.527	1578.	9.212
69.	1.582	1579.	9.168
70.	1.606	1580.	9.179
71.	1.716	1581.	9.17
72.	1.716	1582.	9.146
73.	1.72	1583.	9.125
74.	1.79	1584.	9.096
75.	1.813	1585.	9.092
76.	1.895	1586.	9.042
77.	1.921	1587.	9.037
78.	1.975	1588.	9.059
79.	2.031	1589.	8.996
80.	2.056	1590.	8.997
81.	2.112	1591.	8.953
82.	2.153	1592.	8.953
83.	2.184	1593.	8.897
84.	2.233	1594.	8.866
85.	2.246	1595.	8.893
86.	2.343	1596.	8.861
87.	2.366	1597.	8.852
88.	2.404	1598.	8.87
89.	2.458	1599.	8.808
90.	2.518	1600.	8.775
91.	2.501	1601.	8.75
92.	2.591	1602.	8.743
93.	2.603	1603.	8.733
94.	2.647	1604.	8.751
95.	2.689	1605.	8.712
96.	2.69	1606.	8.704
97.	2.779	1607.	8.693
98.	2.773	1608.	8.66

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	2.837	1609.	8.608
100.	2.883	1610.	8.634
101.	2.921	1611.	8.603
102.	2.966	1612.	8.57
103.	2.976	1613.	8.558
104.	3.02	1614.	8.558
105.	3.033	1615.	8.542
106.	3.091	1616.	8.524
107.	3.134	1617.	8.477
108.	3.127	1618.	8.479
109.	3.186	1619.	8.472
110.	3.216	1620.	8.446
111.	3.283	1621.	8.424
112.	3.296	1622.	8.416
113.	3.315	1623.	8.393
114.	3.32	1624.	8.381
115.	3.404	1625.	8.329
116.	3.414	1626.	8.324
117.	3.455	1627.	8.313
118.	3.474	1628.	8.329
119.	3.541	1629.	8.325
120.	3.534	1630.	8.289
121.	3.562	1631.	8.255
122.	3.616	1632.	8.241
123.	3.627	1633.	8.224
124.	3.679	1634.	8.203
125.	3.665	1635.	8.215
126.	3.715	1636.	8.184
127.	3.79	1637.	8.152
128.	3.777	1638.	8.157
129.	3.855	1639.	8.122
130.	3.844	1640.	8.134
131.	3.864	1641.	8.12
132.	3.876	1642.	8.087
133.	3.97	1643.	8.077
134.	3.994	1644.	8.037
135.	4.018	1645.	8.047
136.	4.009	1646.	8.069
137.	4.097	1647.	8.035
138.	4.031	1648.	7.988
139.	4.12	1649.	8.006
140.	4.129	1650.	7.993
141.	4.173	1651.	7.942
142.	4.197	1652.	7.947
143.	4.227	1653.	7.921
144.	4.238	1654.	7.944
145.	4.251	1655.	7.929
146.	4.294	1656.	7.881
147.	4.315	1657.	7.867
148.	4.364	1658.	7.867
149.	4.415	1659.	7.842
150.	4.384	1660.	7.836
151.	4.445	1661.	7.855
152.	4.481	1662.	7.821
153.	4.489	1663.	7.826
154.	4.494	1664.	7.79
155.	4.546	1665.	7.775
156.	4.549	1666.	7.735
157.	4.614	1667.	7.739
158.	4.631	1668.	7.698
159.	4.622	1669.	7.753
160.	4.669	1670.	7.739
161.	4.705	1671.	7.714
162.	4.719	1672.	7.681
163.	4.748	1673.	7.663
164.	4.754	1674.	7.634

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	4.789	1675.	7.61
166.	4.802	1676.	7.631
167.	4.802	1677.	7.612
168.	4.876	1678.	7.614
169.	4.904	1679.	7.583
170.	4.924	1680.	7.575
171.	4.925	1681.	7.562
172.	4.956	1682.	7.533
173.	4.99	1683.	7.547
174.	5.025	1684.	7.501
175.	5.057	1685.	7.505
176.	5.071	1686.	7.494
177.	5.05	1687.	7.487
178.	5.078	1688.	7.481
179.	5.12	1689.	7.489
180.	5.106	1690.	7.456
181.	5.14	1691.	7.461
182.	5.186	1692.	7.478
183.	5.208	1693.	7.403
184.	5.219	1694.	7.418
185.	5.242	1695.	7.406
186.	5.282	1696.	7.397
187.	5.295	1697.	7.371
188.	5.298	1698.	7.341
189.	5.335	1699.	7.347
190.	5.315	1700.	7.332
191.	5.368	1701.	7.319
192.	5.378	1702.	7.29
193.	5.431	1703.	7.299
194.	5.402	1704.	7.276
195.	5.455	1705.	7.244
196.	5.49	1706.	7.254
197.	5.47	1707.	7.243
198.	5.513	1708.	7.216
199.	5.532	1709.	7.25
200.	5.549	1710.	7.241
201.	5.604	1711.	7.206
202.	5.596	1712.	7.188
203.	5.613	1713.	7.198
204.	5.653	1714.	7.158
205.	5.643	1715.	7.152
206.	5.68	1716.	7.173
207.	5.694	1717.	7.152
208.	5.72	1718.	7.173
209.	5.753	1719.	7.121
210.	5.776	1720.	7.131
211.	5.777	1721.	7.093
212.	5.804	1722.	7.126
213.	5.827	1723.	7.072
214.	5.816	1724.	7.066
215.	5.863	1725.	7.052
216.	5.834	1726.	7.05
217.	5.883	1727.	7.042
218.	5.884	1728.	7.017
219.	5.927	1729.	6.985
220.	5.934	1730.	7.011
221.	5.969	1731.	6.987
222.	5.961	1732.	6.968
223.	6.001	1733.	6.971
224.	6.012	1734.	6.977
225.	6.021	1735.	6.945
226.	6.028	1736.	6.976
227.	6.075	1737.	6.907
228.	6.082	1738.	6.902
229.	6.071	1739.	6.929
230.	6.087	1740.	6.89

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	6.131	1741.	6.864
232.	6.148	1742.	6.872
233.	6.143	1743.	6.863
234.	6.174	1744.	6.863
235.	6.177	1745.	6.867
236.	6.202	1746.	6.832
237.	6.235	1747.	6.828
238.	6.236	1748.	6.828
239.	6.268	1749.	6.777
240.	6.298	1750.	6.798
241.	6.302	1751.	6.75
242.	6.289	1752.	6.816
243.	6.358	1753.	6.77
244.	6.326	1754.	6.724
245.	6.382	1755.	6.721
246.	6.402	1756.	6.786
247.	6.415	1757.	6.722
248.	6.421	1758.	6.722
249.	6.429	1759.	6.715
250.	6.431	1760.	6.682
251.	6.432	1761.	6.67
252.	6.497	1762.	6.667
253.	6.496	1763.	6.673
254.	6.525	1764.	6.667
255.	6.518	1765.	6.66
256.	6.553	1766.	6.637
257.	6.559	1767.	6.621
258.	6.609	1768.	6.635
259.	6.584	1769.	6.606
260.	6.614	1770.	6.593
261.	6.616	1771.	6.594
262.	6.649	1772.	6.547
263.	6.664	1773.	6.554
264.	6.627	1774.	6.57
265.	6.655	1775.	6.56
266.	6.684	1776.	6.54
267.	6.712	1777.	6.548
268.	6.721	1778.	6.503
269.	6.739	1779.	6.492
270.	6.765	1780.	6.529
271.	6.767	1781.	6.484
272.	6.825	1782.	6.496
273.	6.792	1783.	6.492
274.	6.801	1784.	6.475
275.	6.8	1785.	6.468
276.	6.84	1786.	6.469
277.	6.851	1787.	6.427
278.	6.86	1788.	6.464
279.	6.901	1789.	6.457
280.	6.885	1790.	6.445
281.	6.959	1791.	6.405
282.	6.937	1792.	6.419
283.	6.961	1793.	6.415
284.	6.953	1794.	6.4
285.	6.988	1795.	6.382
286.	7.001	1796.	6.356
287.	7.003	1797.	6.356
288.	7.004	1798.	6.376
289.	7.036	1799.	6.307
290.	7.04	1800.	6.336
291.	7.048	1801.	6.315
292.	7.068	1802.	6.334
293.	7.073	1803.	6.302
294.	7.08	1804.	6.281
295.	7.118	1805.	6.287
296.	7.114	1806.	6.281

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	7.158	1807.	6.228
298.	7.173	1808.	6.265
299.	7.152	1809.	6.246
300.	7.163	1810.	6.234
301.	7.165	1811.	6.259
302.	7.22	1812.	6.191
303.	7.217	1813.	6.244
304.	7.22	1814.	6.205
305.	7.263	1815.	6.214
306.	7.255	1816.	6.176
307.	7.288	1817.	6.182
308.	7.272	1818.	6.214
309.	7.309	1819.	6.193
310.	7.298	1820.	6.182
311.	7.376	1821.	6.145
312.	7.325	1822.	6.16
313.	7.369	1823.	6.15
314.	7.378	1824.	6.141
315.	7.336	1825.	6.099
316.	7.367	1826.	6.095
317.	7.397	1827.	6.115
318.	7.382	1828.	6.12
319.	7.459	1829.	6.082
320.	7.43	1830.	6.08
321.	7.445	1831.	6.046
322.	7.464	1832.	6.071
323.	7.468	1833.	6.056
324.	7.481	1834.	6.046
325.	7.496	1835.	6.051
326.	7.496	1836.	6.063
327.	7.491	1837.	6.045
328.	7.471	1838.	6.001
329.	7.544	1839.	6.008
330.	7.574	1840.	6.023
331.	7.599	1841.	6.006
332.	7.541	1842.	6.016
333.	7.597	1843.	5.978
334.	7.638	1844.	5.974
335.	7.611	1845.	5.946
336.	7.632	1846.	5.969
337.	7.633	1847.	5.941
338.	7.639	1848.	5.926
339.	7.681	1849.	5.907
340.	7.688	1850.	5.941
341.	7.704	1851.	5.96
342.	7.66	1852.	5.942
343.	7.713	1853.	5.907
344.	7.72	1854.	5.917
345.	7.748	1855.	5.902
346.	7.734	1856.	5.874
347.	7.78	1857.	5.917
348.	7.776	1858.	5.888
349.	7.769	1859.	5.859
350.	7.781	1860.	5.842
351.	7.759	1861.	5.819
352.	7.792	1862.	5.89
353.	7.821	1863.	5.862
354.	7.78	1864.	5.863
355.	7.773	1865.	5.826
356.	7.784	1866.	5.808
357.	7.809	1867.	5.808
358.	7.766	1868.	5.794
359.	7.768	1869.	5.814
360.	7.807	1870.	5.776
361.	7.793	1871.	5.776
362.	7.744	1872.	5.76

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	7.741	1873.	5.774
364.	7.735	1874.	5.775
365.	7.741	1875.	5.746
366.	7.748	1876.	5.752
367.	7.749	1877.	5.761
368.	7.731	1878.	5.726
369.	7.733	1879.	5.72
370.	7.739	1880.	5.702
371.	7.739	1881.	5.7
372.	7.72	1882.	5.691
373.	7.743	1883.	5.686
374.	7.728	1884.	5.693
375.	7.726	1885.	5.686
376.	7.722	1886.	5.684
377.	7.727	1887.	5.661
378.	7.732	1888.	5.648
379.	7.706	1889.	5.641
380.	7.73	1890.	5.652
381.	7.709	1891.	5.653
382.	7.725	1892.	5.636
383.	7.721	1893.	5.638
384.	7.733	1894.	5.656
385.	7.731	1895.	5.61
386.	7.736	1896.	5.607
387.	7.716	1897.	5.596
388.	7.723	1898.	5.628
389.	7.753	1899.	5.574
390.	7.736	1900.	5.574
391.	7.819	1901.	5.592
392.	7.837	1902.	5.603
393.	7.852	1903.	5.589
394.	7.809	1904.	5.554
395.	7.891	1905.	5.574
396.	7.852	1906.	5.558
397.	7.921	1907.	5.534
398.	7.913	1908.	5.546
399.	7.922	1909.	5.565
400.	7.947	1910.	5.505
401.	7.94	1911.	5.545
402.	7.942	1912.	5.495
403.	7.973	1913.	5.512
404.	8.012	1914.	5.534
405.	8.008	1915.	5.453
406.	7.995	1916.	5.464
407.	8.044	1917.	5.485
408.	8.045	1918.	5.478
409.	8.079	1919.	5.44
410.	8.101	1920.	5.448
411.	8.115	1921.	5.474
412.	8.114	1922.	5.466
413.	8.096	1923.	5.466
414.	8.179	1924.	5.444
415.	8.142	1925.	5.451
416.	8.179	1926.	5.422
417.	8.188	1927.	5.425
418.	8.21	1928.	5.424
419.	8.201	1929.	5.418
420.	8.24	1930.	5.426
421.	8.215	1931.	5.404
422.	8.225	1932.	5.379
423.	8.262	1933.	5.376
424.	8.278	1934.	5.378
425.	8.285	1935.	5.39
426.	8.287	1936.	5.336
427.	8.323	1937.	5.382
428.	8.323	1938.	5.372

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	8.373	1939.	5.346
430.	8.346	1940.	5.327
431.	8.361	1941.	5.35
432.	8.381	1942.	5.375
433.	8.391	1943.	5.305
434.	8.417	1944.	5.29
435.	8.411	1945.	5.371
436.	8.429	1946.	5.314
437.	8.435	1947.	5.282
438.	8.441	1948.	5.303
439.	8.442	1949.	5.288
440.	8.489	1950.	5.304
441.	8.485	1951.	5.26
442.	8.477	1952.	5.264
443.	8.508	1953.	5.255
444.	8.501	1954.	5.295
445.	8.512	1955.	5.254
446.	8.544	1956.	5.222
447.	8.563	1957.	5.216
448.	8.565	1958.	5.213
449.	8.591	1959.	5.246
450.	8.588	1960.	5.192
451.	8.605	1961.	5.206
452.	8.601	1962.	5.177
453.	8.598	1963.	5.217
454.	8.603	1964.	5.236
455.	8.659	1965.	5.233
456.	8.675	1966.	5.185
457.	8.628	1967.	5.199
458.	8.67	1968.	5.192
459.	8.693	1969.	5.156
460.	8.66	1970.	5.174
461.	8.693	1971.	5.162
462.	8.684	1972.	5.177
463.	8.698	1973.	5.146
464.	8.71	1974.	5.126
465.	8.712	1975.	5.151
466.	8.7	1976.	5.126
467.	8.743	1977.	5.116
468.	8.763	1978.	5.123
469.	8.737	1979.	5.125
470.	8.772	1980.	5.138
471.	8.789	1981.	5.117
472.	8.77	1982.	5.112
473.	8.825	1983.	5.108
474.	8.838	1984.	5.074
475.	8.829	1985.	5.095
476.	8.874	1986.	5.081
477.	8.856	1987.	5.073
478.	8.847	1988.	5.074
479.	8.867	1989.	5.08
480.	8.847	1990.	5.074
481.	8.883	1991.	5.055
482.	8.91	1992.	5.012
483.	8.921	1993.	5.061
484.	8.876	1994.	5.07
485.	8.915	1995.	5.007
486.	8.921	1996.	4.999
487.	8.936	1997.	5.015
488.	8.936	1998.	5.039
489.	8.98	1999.	4.987
490.	8.931	2000.	5.007
491.	9.003	2001.	5.01
492.	8.99	2002.	4.993
493.	9.01	2003.	5.033
494.	8.994	2004.	5.009

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	8.973	2005.	5.008
496.	9.022	2006.	4.979
497.	9.033	2007.	4.979
498.	9.036	2008.	4.973
499.	9.041	2009.	4.961
500.	9.059	2010.	4.999
501.	9.056	2011.	4.935
502.	9.056	2012.	4.929
503.	9.042	2013.	4.931
504.	9.103	2014.	4.968
505.	9.081	2015.	4.938
506.	9.106	2016.	4.92
507.	9.092	2017.	4.938
508.	9.08	2018.	4.956
509.	9.146	2019.	4.905
510.	9.135	2020.	4.902
511.	9.159	2021.	4.91
512.	9.17	2022.	4.898
513.	9.161	2023.	4.912
514.	9.193	2024.	4.856
515.	9.196	2025.	4.885
516.	9.179	2026.	4.905
517.	9.204	2027.	4.924
518.	9.212	2028.	4.888
519.	9.219	2029.	4.891
520.	9.193	2030.	4.893
521.	9.227	2031.	4.848
522.	9.249	2032.	4.858
523.	9.236	2033.	4.811
524.	9.256	2034.	4.801
525.	9.271	2035.	4.846
526.	9.276	2036.	4.82
527.	9.317	2037.	4.779
528.	9.301	2038.	4.809
529.	9.315	2039.	4.851
530.	9.312	2040.	4.834
531.	9.339	2041.	4.792
532.	9.328	2042.	4.792
533.	9.333	2043.	4.791
534.	9.332	2044.	4.818
535.	9.344	2045.	4.796
536.	9.35	2046.	4.814
537.	9.339	2047.	4.757
538.	9.352	2048.	4.781
539.	9.392	2049.	4.796
540.	9.375	2050.	4.769
541.	9.393	2051.	4.757
542.	9.385	2052.	4.727
543.	9.396	2053.	4.769
544.	9.413	2054.	4.77
545.	9.414	2055.	4.753
546.	9.441	2056.	4.752
547.	9.451	2057.	4.71
548.	9.441	2058.	4.751
549.	9.433	2059.	4.723
550.	9.457	2060.	4.731
551.	9.484	2061.	4.672
552.	9.455	2062.	4.728
553.	9.474	2063.	4.686
554.	9.491	2064.	4.658
555.	9.55	2065.	4.707
556.	9.506	2066.	4.721
557.	9.494	2067.	4.706
558.	9.523	2068.	4.673
559.	9.529	2069.	4.696
560.	9.552	2070.	4.634

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	9.575	2071.	4.679
562.	9.557	2072.	4.696
563.	9.592	2073.	4.682
564.	9.555	2074.	4.655
565.	9.583	2075.	4.662
566.	9.552	2076.	4.661
567.	9.597	2077.	4.669
568.	9.592	2078.	4.667
569.	9.589	2079.	4.646
570.	9.617	2080.	4.632
571.	9.618	2081.	4.616
572.	9.61	2082.	4.616
573.	9.628	2083.	4.624
574.	9.622	2084.	4.605
575.	9.655	2085.	4.595
576.	9.66	2086.	4.594
577.	9.665	2087.	4.598
578.	9.665	2088.	4.609
579.	9.711	2089.	4.611
580.	9.703	2090.	4.591
581.	9.72	2091.	4.609
582.	9.694	2092.	4.608
583.	9.697	2093.	4.593
584.	9.705	2094.	4.566
585.	9.727	2095.	4.584
586.	9.742	2096.	4.586
587.	9.767	2097.	4.554
588.	9.767	2098.	4.566
589.	9.729	2099.	4.552
590.	9.753	2100.	4.54
591.	9.768	2101.	4.555
592.	9.774	2102.	4.559
593.	9.795	2103.	4.545
594.	9.78	2104.	4.507
595.	9.789	2105.	4.567
596.	9.846	2106.	4.529
597.	9.779	2107.	4.516
598.	9.809	2108.	4.506
599.	9.8	2109.	4.541
600.	9.85	2110.	4.522
601.	9.839	2111.	4.525
602.	9.836	2112.	4.525
603.	9.819	2113.	4.527
604.	9.861	2114.	4.495
605.	9.857	2115.	4.509
606.	9.87	2116.	4.508
607.	9.895	2117.	4.489
608.	9.863	2118.	4.516
609.	9.914	2119.	4.461
610.	9.904	2120.	4.452
611.	9.879	2121.	4.441
612.	9.9	2122.	4.473
613.	9.929	2123.	4.448
614.	9.936	2124.	4.463
615.	9.931	2125.	4.453
616.	9.902	2126.	4.468
617.	9.917	2127.	4.436
618.	9.966	2128.	4.473
619.	9.953	2129.	4.457
620.	9.962	2130.	4.45
621.	9.97	2131.	4.435
622.	9.967	2132.	4.46
623.	9.951	2133.	4.429
624.	9.988	2134.	4.411
625.	10.	2135.	4.389
626.	10.04	2136.	4.405

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	10.	2137.	4.401
628.	9.979	2138.	4.409
629.	10.02	2139.	4.398
630.	10.02	2140.	4.36
631.	10.06	2141.	4.413
632.	10.06	2142.	4.433
633.	10.05	2143.	4.39
634.	10.09	2144.	4.368
635.	10.08	2145.	4.355
636.	10.08	2146.	4.381
637.	10.12	2147.	4.397
638.	10.05	2148.	4.319
639.	10.12	2149.	4.338
640.	10.08	2150.	4.375
641.	10.11	2151.	4.34
642.	10.08	2152.	4.356
643.	10.1	2153.	4.332
644.	10.12	2154.	4.356
645.	10.08	2155.	4.357
646.	10.14	2156.	4.346
647.	10.12	2157.	4.363
648.	10.14	2158.	4.349
649.	10.13	2159.	4.348
650.	10.15	2160.	4.374
651.	10.16	2161.	4.306
652.	10.19	2162.	4.308
653.	10.18	2163.	4.344
654.	10.21	2164.	4.298
655.	10.21	2165.	4.326
656.	10.21	2166.	4.316
657.	10.19	2167.	4.331
658.	10.21	2168.	4.319
659.	10.24	2169.	4.266
660.	10.23	2170.	4.28
661.	10.23	2171.	4.319
662.	10.24	2172.	4.295
663.	10.24	2173.	4.265
664.	10.26	2174.	4.264
665.	10.23	2175.	4.283
666.	10.27	2176.	4.264
667.	10.28	2177.	4.256
668.	10.26	2178.	4.3
669.	10.28	2179.	4.256
670.	10.29	2180.	4.27
671.	10.3	2181.	4.271
672.	10.29	2182.	4.278
673.	10.28	2183.	4.27
674.	10.32	2184.	4.221
675.	10.3	2185.	4.245
676.	10.34	2186.	4.23
677.	10.33	2187.	4.285
678.	10.35	2188.	4.27
679.	10.37	2189.	4.243
680.	10.32	2190.	4.22
681.	10.32	2191.	4.247
682.	10.35	2192.	4.251
683.	10.38	2193.	4.221
684.	10.4	2194.	4.191
685.	10.38	2195.	4.218
686.	10.38	2196.	4.217
687.	10.37	2197.	4.23
688.	10.43	2198.	4.234
689.	10.43	2199.	4.153
690.	10.42	2200.	4.179
691.	10.42	2201.	4.17
692.	10.4	2202.	4.212

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	10.43	2203.	4.175
694.	10.4	2204.	4.212
695.	10.43	2205.	4.17
696.	10.45	2206.	4.162
697.	10.46	2207.	4.139
698.	10.46	2208.	4.157
699.	10.45	2209.	4.164
700.	10.43	2210.	4.142
701.	10.46	2211.	4.17
702.	10.49	2212.	4.132
703.	10.5	2213.	4.142
704.	10.51	2214.	4.189
705.	10.47	2215.	4.135
706.	10.52	2216.	4.122
707.	10.5	2217.	4.143
708.	10.52	2218.	4.133
709.	10.49	2219.	4.135
710.	10.55	2220.	4.155
711.	10.52	2221.	4.117
712.	10.51	2222.	4.09
713.	10.52	2223.	4.14
714.	10.53	2224.	4.079
715.	10.55	2225.	4.101
716.	10.57	2226.	4.112
717.	10.59	2227.	4.105
718.	10.57	2228.	4.112
719.	10.58	2229.	4.079
720.	10.55	2230.	4.094
721.	10.59	2231.	4.08
722.	10.61	2232.	4.12
723.	10.58	2233.	4.114
724.	10.63	2234.	4.095
725.	10.63	2235.	4.117
726.	10.65	2236.	4.072
727.	10.68	2237.	4.063
728.	10.65	2238.	4.1
729.	10.63	2239.	4.097
730.	10.68	2240.	4.068
731.	10.66	2241.	4.103
732.	10.64	2242.	4.065
733.	10.69	2243.	4.079
734.	10.72	2244.	4.082
735.	10.68	2245.	4.063
736.	10.68	2246.	4.031
737.	10.68	2247.	4.048
738.	10.72	2248.	4.039
739.	10.72	2249.	4.042
740.	10.71	2250.	4.058
741.	10.7	2251.	4.037
742.	10.74	2252.	4.045
743.	10.75	2253.	4.008
744.	10.7	2254.	4.051
745.	10.74	2255.	4.017
746.	10.73	2256.	4.014
747.	10.74	2257.	4.039
748.	10.79	2258.	4.033
749.	10.78	2259.	3.993
750.	10.77	2260.	4.019
751.	10.76	2261.	4.015
752.	10.78	2262.	3.978
753.	10.77	2263.	3.948
754.	10.79	2264.	3.964
755.	10.82	2265.	4.013
756.	10.79	2266.	3.982
757.	10.82	2267.	3.991
758.	10.82	2268.	3.985

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	10.81	2269.	3.988
760.	10.82	2270.	3.992
761.	10.82	2271.	3.956
762.	10.86	2272.	3.996
763.	10.86	2273.	3.972
764.	10.85	2274.	3.972
765.	10.9	2275.	3.982
766.	10.88	2276.	3.938
767.	10.89	2277.	3.981
768.	10.86	2278.	3.967
769.	10.87	2279.	3.933
770.	10.9	2280.	3.958
771.	10.9	2281.	3.96
772.	10.9	2282.	3.938
773.	10.89	2283.	3.931
774.	10.91	2284.	3.915
775.	10.91	2285.	3.931
776.	10.94	2286.	3.945
777.	10.91	2287.	3.927
778.	10.91	2288.	3.961
779.	10.93	2289.	3.941
780.	10.94	2290.	3.945
781.	10.96	2291.	3.939
782.	10.97	2292.	3.908
783.	10.94	2293.	3.911
784.	10.98	2294.	3.917
785.	10.96	2295.	3.918
786.	10.99	2296.	3.911
787.	10.95	2297.	3.875
788.	11.02	2298.	3.925
789.	10.99	2299.	3.938
790.	10.98	2300.	3.847
791.	10.98	2301.	3.906
792.	11.01	2302.	3.865
793.	11.03	2303.	3.902
794.	10.99	2304.	3.902
795.	11.03	2305.	3.904
796.	11.07	2306.	3.895
797.	11.05	2307.	3.848
798.	11.02	2308.	3.859
799.	11.05	2309.	3.895
800.	11.03	2310.	3.848
801.	11.08	2311.	3.917
802.	11.05	2312.	3.839
803.	11.05	2313.	3.831
804.	11.05	2314.	3.844
805.	11.08	2315.	3.858
806.	11.07	2316.	3.849
807.	11.1	2317.	3.855
808.	11.11	2318.	3.859
809.	11.07	2319.	3.835
810.	11.12	2320.	3.854
811.	11.1	2321.	3.809
812.	11.11	2322.	3.847
813.	11.11	2323.	3.852
814.	11.14	2324.	3.841
815.	11.14	2325.	3.811
816.	11.13	2326.	3.845
817.	11.19	2327.	3.825
818.	11.16	2328.	3.823
819.	11.16	2329.	3.793
820.	11.14	2330.	3.815
821.	11.19	2331.	3.797
822.	11.17	2332.	3.772
823.	11.12	2333.	3.825
824.	11.18	2334.	3.794

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	11.17	2335.	3.79
826.	11.18	2336.	3.774
827.	11.17	2337.	3.809
828.	11.2	2338.	3.809
829.	11.19	2339.	3.781
830.	11.18	2340.	3.782
831.	11.25	2341.	3.813
832.	11.21	2342.	3.804
833.	11.22	2343.	3.774
834.	11.21	2344.	3.782
835.	11.21	2345.	3.769
836.	11.21	2346.	3.802
837.	11.28	2347.	3.794
838.	11.25	2348.	3.775
839.	11.24	2349.	3.786
840.	11.23	2350.	3.764
841.	11.25	2351.	3.755
842.	11.27	2352.	3.771
843.	11.28	2353.	3.751
844.	11.29	2354.	3.714
845.	11.29	2355.	3.76
846.	11.25	2356.	3.748
847.	11.26	2357.	3.771
848.	11.32	2358.	3.746
849.	11.29	2359.	3.749
850.	11.33	2360.	3.746
851.	11.32	2361.	3.704
852.	11.32	2362.	3.711
853.	11.31	2363.	3.7
854.	11.34	2364.	3.742
855.	11.35	2365.	3.731
856.	11.35	2366.	3.724
857.	11.33	2367.	3.696
858.	11.32	2368.	3.728
859.	11.32	2369.	3.704
860.	11.33	2370.	3.752
861.	11.35	2371.	3.698
862.	11.34	2372.	3.702
863.	11.37	2373.	3.703
864.	11.37	2374.	3.714
865.	11.39	2375.	3.664
866.	11.36	2376.	3.727
867.	11.4	2377.	3.704
868.	11.37	2378.	3.684
869.	11.42	2379.	3.689
870.	11.39	2380.	3.654
871.	11.43	2381.	3.673
872.	11.41	2382.	3.684
873.	11.42	2383.	3.732
874.	11.44	2384.	3.647
875.	11.45	2385.	3.662
876.	11.45	2386.	3.642
877.	11.46	2387.	3.648
878.	11.46	2388.	3.672
879.	11.43	2389.	3.657
880.	11.49	2390.	3.66
881.	11.46	2391.	3.642
882.	11.47	2392.	3.689
883.	11.47	2393.	3.662
884.	11.47	2394.	3.649
885.	11.48	2395.	3.657
886.	11.51	2396.	3.638
887.	11.48	2397.	3.606
888.	11.52	2398.	3.641
889.	11.53	2399.	3.619
890.	11.52	2400.	3.617

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	11.56	2401.	3.623
892.	11.53	2402.	3.604
893.	11.5	2403.	3.609
894.	11.56	2404.	3.639
895.	11.53	2405.	3.604
896.	11.58	2406.	3.602
897.	11.55	2407.	3.643
898.	11.55	2408.	3.639
899.	11.57	2409.	3.592
900.	11.58	2410.	3.605
901.	11.56	2411.	3.635
902.	11.58	2412.	3.587
903.	11.55	2413.	3.579
904.	11.6	2414.	3.587
905.	11.6	2415.	3.583
906.	11.59	2416.	3.575
907.	11.57	2417.	3.593
908.	11.58	2418.	3.594
909.	11.59	2419.	3.537
910.	11.61	2420.	3.577
911.	11.61	2421.	3.575
912.	11.61	2422.	3.598
913.	11.63	2423.	3.606
914.	11.63	2424.	3.577
915.	11.65	2425.	3.562
916.	11.62	2426.	3.552
917.	11.63	2427.	3.53
918.	11.62	2428.	3.529
919.	11.63	2429.	3.568
920.	11.69	2430.	3.539
921.	11.68	2431.	3.557
922.	11.65	2432.	3.597
923.	11.64	2433.	3.531
924.	11.65	2434.	3.545
925.	11.69	2435.	3.537
926.	11.66	2436.	3.545
927.	11.64	2437.	3.504
928.	11.7	2438.	3.526
929.	11.69	2439.	3.497
930.	11.69	2440.	3.525
931.	11.7	2441.	3.512
932.	11.73	2442.	3.537
933.	11.73	2443.	3.534
934.	11.68	2444.	3.515
935.	11.7	2445.	3.504
936.	11.72	2446.	3.512
937.	11.72	2447.	3.505
938.	11.73	2448.	3.507
939.	11.73	2449.	3.493
940.	11.75	2450.	3.572
941.	11.8	2451.	3.537
942.	11.72	2452.	3.526
943.	11.75	2453.	3.477
944.	11.79	2454.	3.509
945.	11.76	2455.	3.531
946.	11.8	2456.	3.513
947.	11.78	2457.	3.475
948.	11.75	2458.	3.487
949.	11.81	2459.	3.48
950.	11.79	2460.	3.497
951.	11.81	2461.	3.484
952.	11.79	2462.	3.489
953.	11.82	2463.	3.484
954.	11.8	2464.	3.507
955.	11.83	2465.	3.484
956.	11.77	2466.	3.457

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	11.83	2467.	3.456
958.	11.82	2468.	3.436
959.	11.8	2469.	3.462
960.	11.83	2470.	3.454
961.	11.81	2471.	3.47
962.	11.83	2472.	3.465
963.	11.85	2473.	3.457
964.	11.86	2474.	3.465
965.	11.85	2475.	3.462
966.	11.87	2476.	3.464
967.	11.87	2477.	3.432
968.	11.87	2478.	3.41
969.	11.86	2479.	3.424
970.	11.88	2480.	3.459
971.	11.89	2481.	3.466
972.	11.86	2482.	3.434
973.	11.9	2483.	3.457
974.	11.87	2484.	3.444
975.	11.86	2485.	3.433
976.	11.93	2486.	3.398
977.	11.93	2487.	3.37
978.	11.91	2488.	3.437
979.	11.91	2489.	3.386
980.	11.91	2490.	3.398
981.	11.91	2491.	3.43
982.	11.92	2492.	3.418
983.	11.92	2493.	3.411
984.	11.94	2494.	3.426
985.	11.94	2495.	3.369
986.	11.94	2496.	3.393
987.	11.93	2497.	3.389
988.	11.9	2498.	3.384
989.	11.99	2499.	3.397
990.	11.95	2500.	3.381
991.	11.96	2501.	3.386
992.	11.96	2502.	3.336
993.	11.98	2503.	3.354
994.	11.96	2504.	3.388
995.	11.95	2505.	3.363
996.	11.96	2506.	3.366
997.	11.98	2507.	3.355
998.	11.97	2508.	3.38
999.	11.95	2509.	3.372
1000.	11.97	2510.	3.364
1001.	11.98	2511.	3.365
1002.	12.	2512.	3.332
1003.	12.01	2513.	3.365
1004.	11.99	2514.	3.379
1005.	12.02	2515.	3.355
1006.	12.	2516.	3.343
1007.	12.03	2517.	3.353
1008.	12.02	2518.	3.321
1009.	12.06	2519.	3.293
1010.	12.04	2520.	3.318
1011.	12.02	2521.	3.297
1012.	12.05	2522.	3.351
1013.	12.06	2523.	3.344
1014.	12.05	2524.	3.336
1015.	12.08	2525.	3.35
1016.	12.04	2526.	3.31
1017.	12.09	2527.	3.328
1018.	12.06	2528.	3.348
1019.	12.02	2529.	3.344
1020.	12.05	2530.	3.318
1021.	12.08	2531.	3.308
1022.	12.06	2532.	3.292

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	12.07	2533.	3.324
1024.	12.06	2534.	3.293
1025.	12.09	2535.	3.295
1026.	12.09	2536.	3.295
1027.	12.12	2537.	3.337
1028.	12.1	2538.	3.268
1029.	12.1	2539.	3.31
1030.	12.12	2540.	3.305
1031.	12.15	2541.	3.294
1032.	12.09	2542.	3.279
1033.	12.14	2543.	3.286
1034.	12.15	2544.	3.309
1035.	12.15	2545.	3.291
1036.	12.13	2546.	3.293
1037.	12.14	2547.	3.278
1038.	12.14	2548.	3.28
1039.	12.16	2549.	3.275
1040.	12.18	2550.	3.295
1041.	12.16	2551.	3.267
1042.	12.16	2552.	3.281
1043.	12.16	2553.	3.242
1044.	12.17	2554.	3.254
1045.	12.19	2555.	3.274
1046.	12.17	2556.	3.251
1047.	12.2	2557.	3.249
1048.	12.19	2558.	3.23
1049.	12.19	2559.	3.262
1050.	12.2	2560.	3.241
1051.	12.21	2561.	3.221
1052.	12.21	2562.	3.236
1053.	12.19	2563.	3.244
1054.	12.18	2564.	3.244
1055.	12.22	2565.	3.209
1056.	12.24	2566.	3.218
1057.	12.19	2567.	3.237
1058.	12.21	2568.	3.237
1059.	12.23	2569.	3.199
1060.	12.21	2570.	3.242
1061.	12.22	2571.	3.194
1062.	12.23	2572.	3.204
1063.	12.23	2573.	3.203
1064.	12.26	2574.	3.215
1065.	12.25	2575.	3.21
1066.	12.24	2576.	3.192
1067.	12.24	2577.	3.192
1068.	12.27	2578.	3.212
1069.	12.25	2579.	3.209
1070.	12.29	2580.	3.231
1071.	12.25	2581.	3.144
1072.	12.28	2582.	3.225
1073.	12.32	2583.	3.195
1074.	12.29	2584.	3.187
1075.	12.3	2585.	3.18
1076.	12.27	2586.	3.19
1077.	12.29	2587.	3.194
1078.	12.31	2588.	3.217
1079.	12.29	2589.	3.2
1080.	12.31	2590.	3.212
1081.	12.32	2591.	3.197
1082.	12.3	2592.	3.199
1083.	12.3	2593.	3.159
1084.	12.27	2594.	3.131
1085.	12.35	2595.	3.204
1086.	12.32	2596.	3.173
1087.	12.33	2597.	3.168
1088.	12.33	2598.	3.174

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	12.35	2599.	3.177
1090.	12.36	2600.	3.174
1091.	12.37	2601.	3.158
1092.	12.36	2602.	3.164
1093.	12.36	2603.	3.161
1094.	12.33	2604.	3.148
1095.	12.36	2605.	3.141
1096.	12.38	2606.	3.173
1097.	12.37	2607.	3.17
1098.	12.36	2608.	3.164
1099.	12.37	2609.	3.154
1100.	12.36	2610.	3.152
1101.	12.41	2611.	3.133
1102.	12.42	2612.	3.148
1103.	12.35	2613.	3.116
1104.	12.4	2614.	3.138
1105.	12.4	2615.	3.121
1106.	12.42	2616.	3.179
1107.	12.41	2617.	3.159
1108.	12.36	2618.	3.114
1109.	12.43	2619.	3.161
1110.	12.44	2620.	3.15
1111.	12.44	2621.	3.144
1112.	12.43	2622.	3.107
1113.	12.45	2623.	3.126
1114.	12.47	2624.	3.116
1115.	12.41	2625.	3.138
1116.	12.42	2626.	3.138
1117.	12.46	2627.	3.098
1118.	12.41	2628.	3.084
1119.	12.45	2629.	3.078
1120.	12.46	2630.	3.102
1121.	12.45	2631.	3.066
1122.	12.46	2632.	3.091
1123.	12.47	2633.	3.095
1124.	12.46	2634.	3.085
1125.	12.5	2635.	3.079
1126.	12.44	2636.	3.096
1127.	12.5	2637.	3.061
1128.	12.5	2638.	3.096
1129.	12.46	2639.	3.089
1130.	12.52	2640.	3.061
1131.	12.47	2641.	3.09
1132.	12.49	2642.	3.128
1133.	12.51	2643.	3.056
1134.	12.49	2644.	3.098
1135.	12.51	2645.	3.071
1136.	12.49	2646.	3.095
1137.	12.49	2647.	3.079
1138.	12.56	2648.	3.073
1139.	12.5	2649.	3.056
1140.	12.51	2650.	3.035
1141.	12.55	2651.	3.081
1142.	12.54	2652.	3.037
1143.	12.54	2653.	3.043
1144.	12.52	2654.	3.037
1145.	12.52	2655.	3.05
1146.	12.53	2656.	3.046
1147.	12.52	2657.	3.053
1148.	12.55	2658.	3.061
1149.	12.57	2659.	3.042
1150.	12.53	2660.	3.03
1151.	12.54	2661.	3.043
1152.	12.58	2662.	3.015
1153.	12.58	2663.	3.028
1154.	12.59	2664.	3.023

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	12.59	2665.	3.027
1156.	12.57	2666.	3.033
1157.	12.55	2667.	3.
1158.	12.6	2668.	3.028
1159.	12.62	2669.	3.002
1160.	12.63	2670.	3.027
1161.	12.58	2671.	3.07
1162.	12.63	2672.	3.028
1163.	12.6	2673.	3.063
1164.	12.62	2674.	3.012
1165.	12.62	2675.	3.008
1166.	12.59	2676.	3.007
1167.	12.6	2677.	2.99
1168.	12.6	2678.	2.976
1169.	12.64	2679.	2.999
1170.	12.64	2680.	2.976
1171.	12.6	2681.	2.993
1172.	12.63	2682.	2.963
1173.	12.59	2683.	3.009
1174.	12.64	2684.	2.998
1175.	12.63	2685.	2.955
1176.	12.62	2686.	2.982
1177.	12.65	2687.	2.96
1178.	12.62	2688.	2.992
1179.	12.67	2689.	2.97
1180.	12.64	2690.	2.948
1181.	12.64	2691.	2.973
1182.	12.62	2692.	2.956
1183.	12.66	2693.	2.95
1184.	12.65	2694.	2.956
1185.	12.72	2695.	2.974
1186.	12.68	2696.	2.965
1187.	12.65	2697.	2.941
1188.	12.69	2698.	2.968
1189.	12.66	2699.	2.96
1190.	12.67	2700.	2.982
1191.	12.72	2701.	2.941
1192.	12.71	2702.	2.923
1193.	12.67	2703.	2.971
1194.	12.68	2704.	2.953
1195.	12.68	2705.	2.951
1196.	12.7	2706.	2.97
1197.	12.71	2707.	2.926
1198.	12.71	2708.	2.971
1199.	12.7	2709.	2.906
1200.	12.73	2710.	2.918
1201.	12.71	2711.	2.96
1202.	12.71	2712.	2.944
1203.	12.67	2713.	2.927
1204.	12.69	2714.	2.954
1205.	12.71	2715.	2.935
1206.	12.71	2716.	2.919
1207.	12.7	2717.	2.942
1208.	12.7	2718.	2.935
1209.	12.73	2719.	2.901
1210.	12.71	2720.	2.909
1211.	12.71	2721.	2.887
1212.	12.72	2722.	2.924
1213.	12.68	2723.	2.906
1214.	12.73	2724.	2.899
1215.	12.73	2725.	2.904
1216.	12.7	2726.	2.909
1217.	12.69	2727.	2.891
1218.	12.7	2728.	2.899
1219.	12.7	2729.	2.889
1220.	12.68	2730.	2.926

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	12.74	2731.	2.934
1222.	12.71	2732.	2.903
1223.	12.72	2733.	2.892
1224.	12.75	2734.	2.891
1225.	12.72	2735.	2.867
1226.	12.75	2736.	2.914
1227.	12.69	2737.	2.898
1228.	12.71	2738.	2.882
1229.	12.67	2739.	2.887
1230.	12.69	2740.	2.89
1231.	12.7	2741.	2.875
1232.	12.69	2742.	2.878
1233.	12.69	2743.	2.879
1234.	12.69	2744.	2.884
1235.	12.72	2745.	2.859
1236.	12.65	2746.	2.864
1237.	12.72	2747.	2.874
1238.	12.69	2748.	2.859
1239.	12.69	2749.	2.862
1240.	12.69	2750.	2.837
1241.	12.69	2751.	2.849
1242.	12.66	2752.	2.852
1243.	12.72	2753.	2.855
1244.	12.69	2754.	2.854
1245.	12.71	2755.	2.842
1246.	12.72	2756.	2.87
1247.	12.72	2757.	2.823
1248.	12.69	2758.	2.849
1249.	12.72	2759.	2.842
1250.	12.68	2760.	2.815
1251.	12.71	2761.	2.825
1252.	12.66	2762.	2.788
1253.	12.73	2763.	2.857
1254.	12.71	2764.	2.818
1255.	12.72	2765.	2.83
1256.	12.74	2766.	2.835
1257.	12.74	2767.	2.825
1258.	12.69	2768.	2.843
1259.	12.76	2769.	2.818
1260.	12.71	2770.	2.827
1261.	12.74	2771.	2.823
1262.	12.76	2772.	2.854
1263.	12.75	2773.	2.774
1264.	12.74	2774.	2.834
1265.	12.72	2775.	2.837
1266.	12.72	2776.	2.81
1267.	12.76	2777.	2.808
1268.	12.77	2778.	2.797
1269.	12.73	2779.	2.818
1270.	12.72	2780.	2.81
1271.	12.76	2781.	2.81
1272.	12.75	2782.	2.831
1273.	12.76	2783.	2.77
1274.	12.75	2784.	2.772
1275.	12.8	2785.	2.76
1276.	12.8	2786.	2.795
1277.	12.75	2787.	2.747
1278.	12.8	2788.	2.788
1279.	12.78	2789.	2.786
1280.	12.8	2790.	2.772
1281.	12.8	2791.	2.793
1282.	12.78	2792.	2.761
1283.	12.8	2793.	2.796
1284.	12.77	2794.	2.779
1285.	12.82	2795.	2.76
1286.	12.84	2796.	2.8

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	12.79	2797.	2.752
1288.	12.84	2798.	2.768
1289.	12.82	2799.	2.768
1290.	12.8	2800.	2.775
1291.	12.82	2801.	2.781
1292.	12.8	2802.	2.75
1293.	12.85	2803.	2.761
1294.	12.82	2804.	2.763
1295.	12.85	2805.	2.77
1296.	12.84	2806.	2.761
1297.	12.84	2807.	2.761
1298.	12.84	2808.	2.756
1299.	12.87	2809.	2.735
1300.	12.86	2810.	2.756
1301.	12.85	2811.	2.765
1302.	12.85	2812.	2.759
1303.	12.86	2813.	2.779
1304.	12.86	2814.	2.757
1305.	12.88	2815.	2.704
1306.	12.91	2816.	2.777
1307.	12.87	2817.	2.797
1308.	12.91	2818.	2.747
1309.	12.89	2819.	2.734
1310.	12.87	2820.	2.713
1311.	12.92	2821.	2.712
1312.	12.91	2822.	2.718
1313.	12.94	2823.	2.775
1314.	12.9	2824.	2.742
1315.	12.91	2825.	2.74
1316.	12.91	2826.	2.756
1317.	12.89	2827.	2.713
1318.	12.94	2828.	2.728
1319.	12.91	2829.	2.726
1320.	12.94	2830.	2.695
1321.	12.96	2831.	2.731
1322.	12.95	2832.	2.704
1323.	12.95	2833.	2.728
1324.	12.94	2834.	2.725
1325.	12.96	2835.	2.707
1326.	12.98	2836.	2.717
1327.	12.97	2837.	2.7
1328.	12.99	2838.	2.756
1329.	12.95	2839.	2.692
1330.	12.93	2840.	2.718
1331.	12.97	2841.	2.675
1332.	12.93	2842.	2.7
1333.	12.98	2843.	2.696
1334.	12.96	2844.	2.698
1335.	13.	2845.	2.683
1336.	12.96	2846.	2.682
1337.	12.99	2847.	2.672
1338.	13.	2848.	2.71
1339.	12.99	2849.	2.698
1340.	12.98	2850.	2.688
1341.	13.02	2851.	2.639
1342.	13.02	2852.	2.685
1343.	13.01	2853.	2.688
1344.	13.	2854.	2.674
1345.	13.02	2855.	2.681
1346.	13.02	2856.	2.636
1347.	13.01	2857.	2.668
1348.	13.02	2858.	2.72
1349.	13.04	2859.	2.695
1350.	13.08	2860.	2.67
1351.	13.08	2861.	2.722
1352.	13.04	2862.	2.683

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	13.07	2863.	2.679
1354.	13.05	2864.	2.679
1355.	13.03	2865.	2.661
1356.	13.08	2866.	2.649
1357.	13.05	2867.	2.66
1358.	13.07	2868.	2.662
1359.	13.08	2869.	2.648
1360.	13.05	2870.	2.648
1361.	13.08	2871.	2.652
1362.	13.1	2872.	2.653
1363.	13.09	2873.	2.651
1364.	13.07	2874.	2.659
1365.	13.13	2875.	2.639
1366.	13.09	2876.	2.592
1367.	13.08	2877.	2.646
1368.	13.09	2878.	2.653
1369.	13.09	2879.	2.653
1370.	13.12	2880.	2.667
1371.	13.15	2881.	2.623
1372.	13.11	2882.	2.662
1373.	13.11	2883.	2.611
1374.	13.13	2884.	2.641
1375.	13.1	2885.	2.619
1376.	13.13	2886.	2.618
1377.	13.11	2887.	2.625
1378.	13.13	2888.	2.642
1379.	13.11	2889.	2.628
1380.	13.16	2890.	2.607
1381.	13.13	2891.	2.65
1382.	13.15	2892.	2.633
1383.	13.15	2893.	2.631
1384.	13.16	2894.	2.601
1385.	13.15	2895.	2.638
1386.	13.17	2896.	2.599
1387.	13.16	2897.	2.615
1388.	13.15	2898.	2.623
1389.	13.17	2899.	2.635
1390.	13.19	2900.	2.636
1391.	13.19	2901.	2.616
1392.	13.16	2902.	2.619
1393.	13.18	2903.	2.595
1394.	13.18	2904.	2.62
1395.	13.22	2905.	2.583
1396.	13.21	2906.	2.585
1397.	13.21	2907.	2.629
1398.	13.17	2908.	2.621
1399.	13.19	2909.	2.589
1400.	13.2	2910.	2.576
1401.	13.19	2911.	2.584
1402.	13.17	2912.	2.565
1403.	13.22	2913.	2.575
1404.	13.22	2914.	2.568
1405.	13.21	2915.	2.585
1406.	13.23	2916.	2.618
1407.	13.21	2917.	2.591
1408.	13.19	2918.	2.604
1409.	13.22	2919.	2.586
1410.	13.27	2920.	2.599
1411.	13.25	2921.	2.612
1412.	13.26	2922.	2.586
1413.	13.27	2923.	2.615
1414.	13.22	2924.	2.604
1415.	13.27	2925.	2.574
1416.	13.26	2926.	2.571
1417.	13.26	2927.	2.585
1418.	13.22	2928.	2.584

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	13.29	2929.	2.598
1420.	13.27	2930.	2.584
1421.	13.27	2931.	2.598
1422.	13.31	2932.	2.595
1423.	13.27	2933.	2.557
1424.	13.25	2934.	2.543
1425.	13.29	2935.	2.567
1426.	13.28	2936.	2.607
1427.	13.3	2937.	2.579
1428.	13.27	2938.	2.544
1429.	13.3	2939.	2.577
1430.	13.28	2940.	2.548
1431.	13.3	2941.	2.556
1432.	13.35	2942.	2.583
1433.	13.27	2943.	2.522
1434.	13.3	2944.	2.54
1435.	13.3	2945.	2.553
1436.	13.31	2946.	2.573
1437.	13.34	2947.	2.531
1438.	13.33	2948.	2.559
1439.	13.32	2949.	2.574
1440.	13.35	2950.	2.541
1441.	13.33	2951.	2.53
1442.	13.34	2952.	2.528
1443.	13.33	2953.	2.548
1444.	13.35	2954.	2.56
1445.	13.37	2955.	2.563
1446.	13.35	2956.	2.533
1447.	13.33	2957.	2.555
1448.	13.36	2958.	2.54
1449.	13.33	2959.	2.512
1450.	13.32	2960.	2.476
1451.	13.29	2961.	2.542
1452.	13.29	2962.	2.514
1453.	13.31	2963.	2.54
1454.	13.27	2964.	2.553
1455.	13.2	2965.	2.551
1456.	13.17	2966.	2.561
1457.	13.16	2967.	2.538
1458.	13.09	2968.	2.526
1459.	13.08	2969.	2.51
1460.	13.04	2970.	2.489
1461.	12.97	2971.	2.521
1462.	12.95	2972.	2.532
1463.	12.86	2973.	2.538
1464.	12.86	2974.	2.512
1465.	12.78	2975.	2.526
1466.	12.76	2976.	2.513
1467.	12.7	2977.	2.534
1468.	12.64	2978.	2.559
1469.	12.6	2979.	2.535
1470.	12.59	2980.	2.517
1471.	12.52	2981.	2.512
1472.	12.5	2982.	2.503
1473.	12.45	2983.	2.501
1474.	12.37	2984.	2.516
1475.	12.38	2985.	2.516
1476.	12.26	2986.	2.509
1477.	12.27	2987.	2.545
1478.	12.22	2988.	2.53
1479.	12.18	2989.	2.477
1480.	12.12	2990.	2.527
1481.	12.1	2991.	2.512
1482.	12.07	2992.	2.5
1483.	12.01	2993.	2.46
1484.	11.97	2994.	2.499

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	11.94	2995.	2.494
1486.	11.87	2996.	2.514
1487.	11.82	2997.	2.485
1488.	11.83	2998.	2.502
1489.	11.78	2999.	2.495
1490.	11.72	3000.	2.478
1491.	11.7	3001.	2.497
1492.	11.64	3002.	2.493
1493.	11.63	3003.	2.497
1494.	11.55	3004.	2.482
1495.	11.55	3005.	2.471
1496.	11.51	3006.	2.444
1497.	11.45	3007.	2.488
1498.	11.4	3008.	2.468
1499.	11.37	3009.	2.445
1500.	11.37	3010.	2.448
1501.	11.33	3011.	2.42
1502.	11.3	3012.	2.495
1503.	11.26	3013.	2.444
1504.	11.21	3014.	2.454
1505.	11.16	3015.	2.462
1506.	11.13	3016.	2.478
1507.	11.08	3017.	2.483
1508.	11.06	3018.	2.492
1509.	11.03	3019.	2.463
1510.	11.02	3020.	2.467

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1359.8	ft^2/day
S	0.0001259	
Kz/Kr	1.	
b	80.	ft

K = T/b = 17. ft/day (0.005997 cm/sec)
Ss = S/b = 1.574E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1387.7	1.409	+/- 2.762	985.1	ft^2/day
S	0.0001235	2.722E-7	+/- 5.338E-7	453.7	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 17.35 ft/day (0.006119 cm/sec)
Ss = S/b = 1.544E-6 1/ft

Parameter Correlations

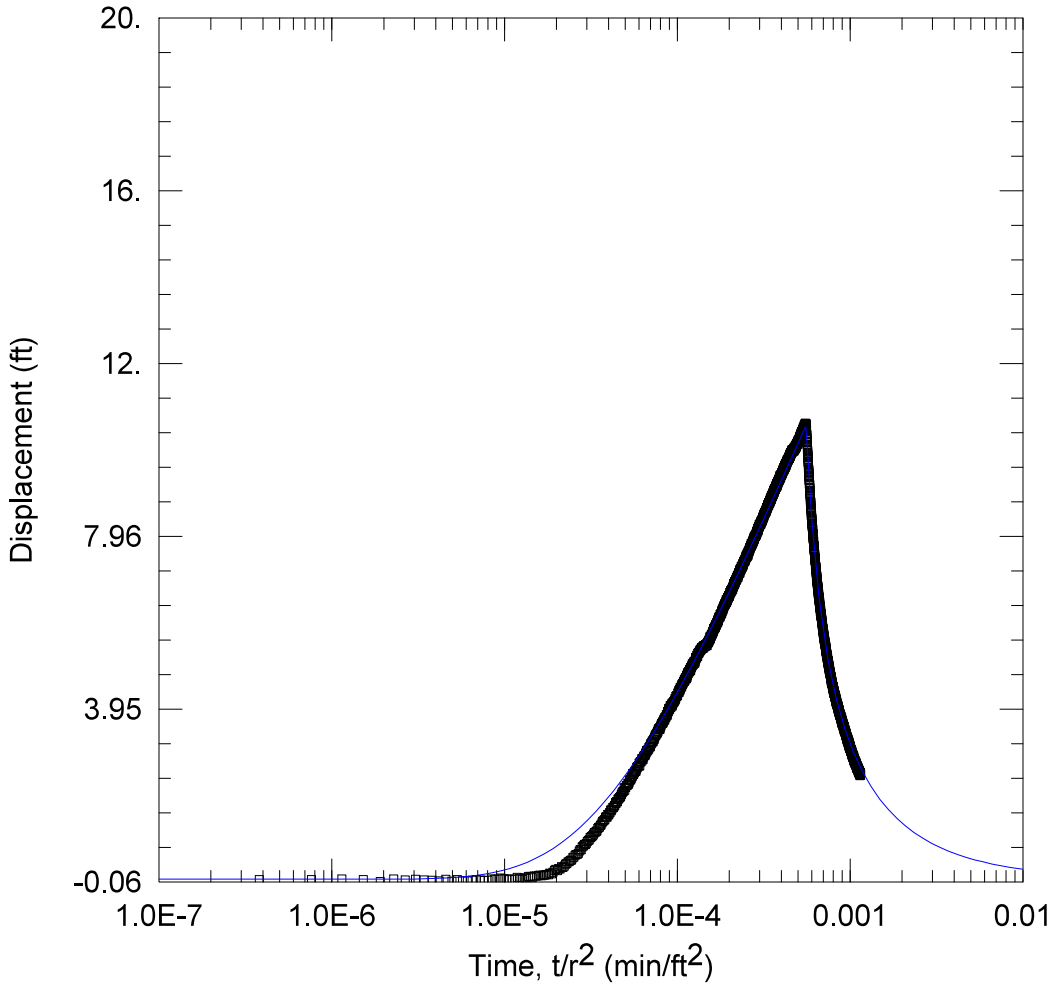
	T	S

T	1.00	-0.80
S	-0.80	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 111.9 ft^2
Variance . . . . . 0.03707 ft^2
Std. Deviation . . . . . 0.1925 ft
Mean . . . . . -0.06321 ft
No. of Residuals 3020
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW32.aqt
Date: 04/11/25 Time: 12:13:16

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW32	1850	2274

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1405.7 ft^2/day
S = 0.0001512
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:31:33

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW32

X Location: 1850. ft
Y Location: 2274. ft

Radial distance from BM 1B: 1618.667353 ft
Radial distance from BM2A: 1410.861439 ft
Radial distance from BM3: 1959.916835 ft
Radial distance from BM 4 : 1762.662758 ft
Radial distance from BM5: 1543.369366 ft
Radial distance from BM 6: 1278.38179 ft
Radial distance from BM7: 1031.280757 ft
Radial distance from BM9: 829.6125602 ft

Fully Penetrating Well

No. of Observations: 3012

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	-0.0075	1507.	9.571
2.	-0.01166	1508.	9.534
3.	0.00486	1509.	9.523
4.	-0.005904	1510.	9.512
5.	-0.05229	1511.	9.483
6.	0.00606	1512.	9.471
7.	-0.01861	1513.	9.454
8.	-0.00202	1514.	9.408
9.	-0.01405	1515.	9.425
10.	-0.02473	1516.	9.386
11.	-0.0398	1517.	9.367
12.	-0.00202	1518.	9.34
13.	-0.04219	1519.	9.333
14.	-0.00989	1520.	9.318
15.	-0.0359	1521.	9.268
16.	-0.03748	1522.	9.258
17.	-0.02205	1523.	9.248
18.	-0.01121	1524.	9.275
19.	-0.01611	1525.	9.197
20.	-0.02685	1526.	9.164
21.	-0.02394	1527.	9.172
22.	0.0033	1528.	9.175
23.	0.00037	1529.	9.155
24.	0.0099	1530.	9.1
25.	0.02862	1531.	9.098
26.	0.01548	1532.	9.084
27.	0.005654	1533.	9.072
28.	-0.01053	1534.	9.02
29.	-0.003615	1535.	9.029
30.	0.00686	1536.	9.021
31.	0.04267	1537.	8.986
32.	0.01793	1538.	8.955

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.00121	1539.	8.942
34.	0.03591	1540.	8.928
35.	0.02096	1541.	8.896
36.	0.06889	1542.	8.879
37.	0.06601	1543.	8.907
38.	0.0363	1544.	8.868
39.	0.07581	1545.	8.843
40.	0.07101	1546.	8.807
41.	0.0802	1547.	8.77
42.	0.1	1548.	8.773
43.	0.08179	1549.	8.759
44.	0.1025	1550.	8.749
45.	0.09403	1551.	8.749
46.	0.1176	1552.	8.719
47.	0.1064	1553.	8.698
48.	0.1456	1554.	8.664
49.	0.1228	1555.	8.687
50.	0.1649	1556.	8.622
51.	0.21	1557.	8.611
52.	0.2305	1558.	8.624
53.	0.2047	1559.	8.579
54.	0.249	1560.	8.598
55.	0.2375	1561.	8.566
56.	0.2942	1562.	8.546
57.	0.2736	1563.	8.513
58.	0.3032	1564.	8.529
59.	0.3516	1565.	8.508
60.	0.3613	1566.	8.45
61.	0.4042	1567.	8.449
62.	0.4196	1568.	8.457
63.	0.4438	1569.	8.411
64.	0.4505	1570.	8.406
65.	0.4975	1571.	8.387
66.	0.5187	1572.	8.38
67.	0.5568	1573.	8.374
68.	0.5732	1574.	8.374
69.	0.5819	1575.	8.357
70.	0.6086	1576.	8.329
71.	0.6577	1577.	8.302
72.	0.6873	1578.	8.268
73.	0.6839	1579.	8.299
74.	0.7522	1580.	8.249
75.	0.7729	1581.	8.248
76.	0.8095	1582.	8.229
77.	0.8002	1583.	8.227
78.	0.8331	1584.	8.205
79.	0.8779	1585.	8.193
80.	0.8974	1586.	8.197
81.	0.9108	1587.	8.166
82.	0.9704	1588.	8.147
83.	0.9671	1589.	8.133
84.	0.992	1590.	8.132
85.	1.012	1591.	8.121
86.	1.046	1592.	8.104
87.	1.083	1593.	8.079
88.	1.094	1594.	8.038
89.	1.104	1595.	8.034
90.	1.123	1596.	8.039
91.	1.173	1597.	8.034
92.	1.202	1598.	8.
93.	1.209	1599.	8.009
94.	1.248	1600.	7.997
95.	1.262	1601.	7.954
96.	1.308	1602.	7.926
97.	1.345	1603.	7.985
98.	1.35	1604.	7.925

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	1.371	1605.	7.905
100.	1.378	1606.	7.9
101.	1.441	1607.	7.89
102.	1.453	1608.	7.873
103.	1.438	1609.	7.856
104.	1.501	1610.	7.845
105.	1.498	1611.	7.845
106.	1.541	1612.	7.829
107.	1.552	1613.	7.802
108.	1.605	1614.	7.777
109.	1.596	1615.	7.767
110.	1.624	1616.	7.757
111.	1.667	1617.	7.753
112.	1.662	1618.	7.741
113.	1.693	1619.	7.731
114.	1.713	1620.	7.736
115.	1.779	1621.	7.699
116.	1.761	1622.	7.678
117.	1.806	1623.	7.671
118.	1.798	1624.	7.666
119.	1.858	1625.	7.652
120.	1.87	1626.	7.636
121.	1.89	1627.	7.639
122.	1.902	1628.	7.619
123.	1.914	1629.	7.575
124.	1.958	1630.	7.59
125.	1.975	1631.	7.605
126.	2.012	1632.	7.557
127.	2.03	1633.	7.546
128.	2.044	1634.	7.544
129.	2.116	1635.	7.535
130.	2.062	1636.	7.542
131.	2.129	1637.	7.486
132.	2.133	1638.	7.47
133.	2.173	1639.	7.488
134.	2.178	1640.	7.469
135.	2.188	1641.	7.453
136.	2.224	1642.	7.441
137.	2.205	1643.	7.442
138.	2.254	1644.	7.427
139.	2.3	1645.	7.43
140.	2.296	1646.	7.374
141.	2.32	1647.	7.399
142.	2.334	1648.	7.4
143.	2.366	1649.	7.39
144.	2.394	1650.	7.36
145.	2.45	1651.	7.312
146.	2.429	1652.	7.334
147.	2.438	1653.	7.327
148.	2.471	1654.	7.286
149.	2.493	1655.	7.287
150.	2.511	1656.	7.283
151.	2.505	1657.	7.267
152.	2.538	1658.	7.259
153.	2.603	1659.	7.26
154.	2.585	1660.	7.252
155.	2.618	1661.	7.223
156.	2.619	1662.	7.224
157.	2.64	1663.	7.206
158.	2.698	1664.	7.185
159.	2.633	1665.	7.164
160.	2.718	1666.	7.184
161.	2.731	1667.	7.174
162.	2.726	1668.	7.172
163.	2.767	1669.	7.119
164.	2.801	1670.	7.145

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	2.774	1671.	7.106
166.	2.776	1672.	7.112
167.	2.821	1673.	7.1
168.	2.854	1674.	7.097
169.	2.874	1675.	7.119
170.	2.872	1676.	7.07
171.	2.884	1677.	7.054
172.	2.929	1678.	7.048
173.	2.937	1679.	7.033
174.	2.979	1680.	7.051
175.	2.983	1681.	7.041
176.	2.979	1682.	7.012
177.	2.991	1683.	7.
178.	3.013	1684.	6.958
179.	3.029	1685.	6.978
180.	3.061	1686.	6.97
181.	3.072	1687.	6.971
182.	3.092	1688.	6.93
183.	3.082	1689.	6.934
184.	3.121	1690.	6.918
185.	3.149	1691.	6.898
186.	3.155	1692.	6.895
187.	3.178	1693.	6.907
188.	3.209	1694.	6.891
189.	3.206	1695.	6.87
190.	3.192	1696.	6.848
191.	3.246	1697.	6.853
192.	3.256	1698.	6.84
193.	3.245	1699.	6.839
194.	3.296	1700.	6.813
195.	3.325	1701.	6.805
196.	3.345	1702.	6.821
197.	3.351	1703.	6.813
198.	3.352	1704.	6.786
199.	3.394	1705.	6.784
200.	3.396	1706.	6.757
201.	3.402	1707.	6.749
202.	3.443	1708.	6.758
203.	3.435	1709.	6.742
204.	3.49	1710.	6.731
205.	3.494	1711.	6.714
206.	3.477	1712.	6.731
207.	3.514	1713.	6.714
208.	3.474	1714.	6.657
209.	3.517	1715.	6.69
210.	3.549	1716.	6.686
211.	3.559	1717.	6.664
212.	3.589	1718.	6.676
213.	3.615	1719.	6.634
214.	3.627	1720.	6.62
215.	3.618	1721.	6.615
216.	3.655	1722.	6.637
217.	3.632	1723.	6.612
218.	3.668	1724.	6.583
219.	3.699	1725.	6.58
220.	3.699	1726.	6.556
221.	3.735	1727.	6.576
222.	3.694	1728.	6.559
223.	3.757	1729.	6.554
224.	3.745	1730.	6.544
225.	3.764	1731.	6.541
226.	3.769	1732.	6.548
227.	3.817	1733.	6.53
228.	3.807	1734.	6.502
229.	3.813	1735.	6.491
230.	3.813	1736.	6.501

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	3.89	1737.	6.503
232.	3.877	1738.	6.476
233.	3.892	1739.	6.475
234.	3.933	1740.	6.467
235.	3.969	1741.	6.442
236.	3.942	1742.	6.452
237.	3.935	1743.	6.441
238.	3.973	1744.	6.439
239.	4.025	1745.	6.438
240.	3.988	1746.	6.376
241.	3.991	1747.	6.38
242.	4.019	1748.	6.403
243.	4.038	1749.	6.392
244.	4.071	1750.	6.404
245.	4.015	1751.	6.367
246.	4.045	1752.	6.353
247.	4.091	1753.	6.348
248.	4.088	1754.	6.334
249.	4.113	1755.	6.332
250.	4.102	1756.	6.31
251.	4.122	1757.	6.326
252.	4.146	1758.	6.315
253.	4.134	1759.	6.335
254.	4.19	1760.	6.307
255.	4.166	1761.	6.306
256.	4.198	1762.	6.278
257.	4.2	1763.	6.272
258.	4.243	1764.	6.267
259.	4.24	1765.	6.267
260.	4.257	1766.	6.214
261.	4.246	1767.	6.229
262.	4.263	1768.	6.264
263.	4.265	1769.	6.245
264.	4.316	1770.	6.191
265.	4.327	1771.	6.21
266.	4.336	1772.	6.215
267.	4.348	1773.	6.19
268.	4.379	1774.	6.173
269.	4.336	1775.	6.164
270.	4.397	1776.	6.179
271.	4.375	1777.	6.169
272.	4.44	1778.	6.152
273.	4.429	1779.	6.15
274.	4.416	1780.	6.141
275.	4.459	1781.	6.128
276.	4.449	1782.	6.115
277.	4.494	1783.	6.106
278.	4.475	1784.	6.12
279.	4.519	1785.	6.102
280.	4.534	1786.	6.106
281.	4.52	1787.	6.086
282.	4.542	1788.	6.1
283.	4.546	1789.	6.08
284.	4.572	1790.	6.073
285.	4.582	1791.	6.04
286.	4.592	1792.	6.031
287.	4.591	1793.	6.046
288.	4.627	1794.	6.045
289.	4.597	1795.	6.042
290.	4.616	1796.	6.044
291.	4.648	1797.	6.014
292.	4.661	1798.	5.99
293.	4.678	1799.	6.001
294.	4.65	1800.	5.963
295.	4.668	1801.	5.979
296.	4.658	1802.	5.991

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	4.728	1803.	5.962
298.	4.742	1804.	5.963
299.	4.688	1805.	5.946
300.	4.733	1806.	5.954
301.	4.792	1807.	5.957
302.	4.784	1808.	5.931
303.	4.77	1809.	5.934
304.	4.794	1810.	5.92
305.	4.812	1811.	5.883
306.	4.812	1812.	5.914
307.	4.81	1813.	5.897
308.	4.84	1814.	5.865
309.	4.829	1815.	5.893
310.	4.874	1816.	5.815
311.	4.856	1817.	5.883
312.	4.867	1818.	5.852
313.	4.845	1819.	5.851
314.	4.907	1820.	5.838
315.	4.897	1821.	5.813
316.	4.919	1822.	5.808
317.	4.925	1823.	5.829
318.	4.945	1824.	5.802
319.	4.958	1825.	5.787
320.	4.997	1826.	5.82
321.	4.971	1827.	5.791
322.	4.974	1828.	5.791
323.	4.975	1829.	5.806
324.	4.991	1830.	5.748
325.	5.014	1831.	5.759
326.	5.029	1832.	5.752
327.	5.046	1833.	5.755
328.	5.022	1834.	5.769
329.	5.048	1835.	5.71
330.	5.059	1836.	5.713
331.	5.018	1837.	5.737
332.	5.053	1838.	5.728
333.	5.075	1839.	5.742
334.	5.106	1840.	5.718
335.	5.131	1841.	5.702
336.	5.149	1842.	5.725
337.	5.126	1843.	5.703
338.	5.146	1844.	5.666
339.	5.16	1845.	5.704
340.	5.157	1846.	5.65
341.	5.205	1847.	5.653
342.	5.194	1848.	5.682
343.	5.207	1849.	5.654
344.	5.176	1850.	5.633
345.	5.249	1851.	5.645
346.	5.251	1852.	5.632
347.	5.259	1853.	5.63
348.	5.239	1854.	5.588
349.	5.249	1855.	5.577
350.	5.271	1856.	5.62
351.	5.278	1857.	5.614
352.	5.289	1858.	5.571
353.	5.295	1859.	5.589
354.	5.32	1860.	5.572
355.	5.302	1861.	5.577
356.	5.315	1862.	5.554
357.	5.341	1863.	5.565
358.	5.324	1864.	5.531
359.	5.331	1865.	5.558
360.	5.341	1866.	5.532
361.	5.365	1867.	5.537
362.	5.358	1868.	5.548

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	5.368	1869.	5.505
364.	5.383	1870.	5.509
365.	5.363	1871.	5.529
366.	5.37	1872.	5.493
367.	5.386	1873.	5.506
368.	5.361	1874.	5.473
369.	5.397	1875.	5.486
370.	5.365	1876.	5.467
371.	5.388	1877.	5.499
372.	5.39	1878.	5.468
373.	5.402	1879.	5.468
374.	5.422	1880.	5.451
375.	5.392	1881.	5.455
376.	5.426	1882.	5.451
377.	5.408	1883.	5.46
378.	5.427	1884.	5.441
379.	5.418	1885.	5.437
380.	5.424	1886.	5.439
381.	5.413	1887.	5.407
382.	5.442	1888.	5.396
383.	5.416	1889.	5.413
384.	5.449	1890.	5.448
385.	5.439	1891.	5.371
386.	5.448	1892.	5.429
387.	5.448	1893.	5.371
388.	5.463	1894.	5.391
389.	5.437	1895.	5.376
390.	5.424	1896.	5.383
391.	5.49	1897.	5.374
392.	5.475	1898.	5.346
393.	5.495	1899.	5.382
394.	5.496	1900.	5.354
395.	5.49	1901.	5.304
396.	5.49	1902.	5.349
397.	5.524	1903.	5.309
398.	5.513	1904.	5.345
399.	5.522	1905.	5.333
400.	5.552	1906.	5.285
401.	5.549	1907.	5.309
402.	5.549	1908.	5.308
403.	5.574	1909.	5.303
404.	5.564	1910.	5.265
405.	5.622	1911.	5.287
406.	5.593	1912.	5.278
407.	5.587	1913.	5.28
408.	5.587	1914.	5.253
409.	5.623	1915.	5.241
410.	5.627	1916.	5.243
411.	5.64	1917.	5.255
412.	5.668	1918.	5.232
413.	5.664	1919.	5.254
414.	5.653	1920.	5.221
415.	5.676	1921.	5.225
416.	5.684	1922.	5.217
417.	5.696	1923.	5.209
418.	5.717	1924.	5.189
419.	5.702	1925.	5.192
420.	5.727	1926.	5.192
421.	5.737	1927.	5.203
422.	5.758	1928.	5.184
423.	5.747	1929.	5.191
424.	5.759	1930.	5.168
425.	5.752	1931.	5.182
426.	5.822	1932.	5.158
427.	5.806	1933.	5.16
428.	5.815	1934.	5.142

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	5.83	1935.	5.163
430.	5.813	1936.	5.12
431.	5.821	1937.	5.152
432.	5.834	1938.	5.115
433.	5.843	1939.	5.13
434.	5.858	1940.	5.154
435.	5.848	1941.	5.098
436.	5.871	1942.	5.088
437.	5.898	1943.	5.087
438.	5.886	1944.	5.096
439.	5.915	1945.	5.104
440.	5.897	1946.	5.059
441.	5.92	1947.	5.093
442.	5.925	1948.	5.092
443.	5.934	1949.	5.078
444.	5.961	1950.	5.049
445.	5.942	1951.	5.077
446.	5.967	1952.	5.078
447.	5.971	1953.	5.057
448.	5.981	1954.	5.056
449.	6.011	1955.	5.034
450.	5.979	1956.	5.021
451.	6.009	1957.	5.033
452.	6.027	1958.	5.011
453.	6.035	1959.	5.021
454.	6.008	1960.	5.014
455.	6.051	1961.	5.015
456.	6.056	1962.	5.042
457.	6.072	1963.	4.992
458.	6.094	1964.	4.984
459.	6.078	1965.	4.998
460.	6.104	1966.	4.962
461.	6.089	1967.	4.976
462.	6.104	1968.	4.986
463.	6.094	1969.	4.985
464.	6.148	1970.	4.951
465.	6.138	1971.	4.977
466.	6.149	1972.	4.935
467.	6.139	1973.	4.924
468.	6.153	1974.	4.962
469.	6.164	1975.	4.928
470.	6.167	1976.	4.964
471.	6.184	1977.	4.913
472.	6.181	1978.	4.914
473.	6.177	1979.	4.953
474.	6.211	1980.	4.915
475.	6.209	1981.	4.897
476.	6.243	1982.	4.922
477.	6.251	1983.	4.895
478.	6.265	1984.	4.912
479.	6.248	1985.	4.921
480.	6.235	1986.	4.891
481.	6.265	1987.	4.881
482.	6.27	1988.	4.926
483.	6.297	1989.	4.859
484.	6.31	1990.	4.849
485.	6.291	1991.	4.892
486.	6.324	1992.	4.86
487.	6.303	1993.	4.859
488.	6.342	1994.	4.886
489.	6.34	1995.	4.819
490.	6.36	1996.	4.818
491.	6.363	1997.	4.849
492.	6.387	1998.	4.853
493.	6.366	1999.	4.816
494.	6.389	2000.	4.815

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	6.4	2001.	4.79
496.	6.4	2002.	4.803
497.	6.385	2003.	4.792
498.	6.4	2004.	4.826
499.	6.41	2005.	4.793
500.	6.426	2006.	4.792
501.	6.433	2007.	4.823
502.	6.434	2008.	4.778
503.	6.449	2009.	4.785
504.	6.491	2010.	4.763
505.	6.454	2011.	4.787
506.	6.431	2012.	4.761
507.	6.471	2013.	4.8
508.	6.464	2014.	4.776
509.	6.47	2015.	4.755
510.	6.488	2016.	4.752
511.	6.489	2017.	4.742
512.	6.54	2018.	4.753
513.	6.526	2019.	4.724
514.	6.529	2020.	4.705
515.	6.514	2021.	4.73
516.	6.541	2022.	4.703
517.	6.538	2023.	4.721
518.	6.556	2024.	4.708
519.	6.569	2025.	4.715
520.	6.575	2026.	4.71
521.	6.576	2027.	4.701
522.	6.587	2028.	4.65
523.	6.586	2029.	4.691
524.	6.579	2030.	4.679
525.	6.569	2031.	4.686
526.	6.584	2032.	4.658
527.	6.606	2033.	4.659
528.	6.612	2034.	4.687
529.	6.658	2035.	4.646
530.	6.662	2036.	4.7
531.	6.652	2037.	4.637
532.	6.653	2038.	4.65
533.	6.655	2039.	4.669
534.	6.689	2040.	4.685
535.	6.694	2041.	4.595
536.	6.697	2042.	4.643
537.	6.682	2043.	4.62
538.	6.699	2044.	4.633
539.	6.717	2045.	4.662
540.	6.714	2046.	4.615
541.	6.714	2047.	4.628
542.	6.693	2048.	4.598
543.	6.734	2049.	4.597
544.	6.733	2050.	4.594
545.	6.756	2051.	4.609
546.	6.74	2052.	4.582
547.	6.725	2053.	4.607
548.	6.778	2054.	4.558
549.	6.752	2055.	4.599
550.	6.773	2056.	4.582
551.	6.781	2057.	4.578
552.	6.799	2058.	4.563
553.	6.811	2059.	4.553
554.	6.806	2060.	4.555
555.	6.86	2061.	4.55
556.	6.817	2062.	4.547
557.	6.861	2063.	4.577
558.	6.864	2064.	4.542
559.	6.846	2065.	4.524
560.	6.84	2066.	4.555

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	6.864	2067.	4.55
562.	6.86	2068.	4.516
563.	6.887	2069.	4.53
564.	6.916	2070.	4.504
565.	6.867	2071.	4.53
566.	6.903	2072.	4.521
567.	6.891	2073.	4.516
568.	6.919	2074.	4.482
569.	6.922	2075.	4.517
570.	6.923	2076.	4.497
571.	6.947	2077.	4.474
572.	6.942	2078.	4.489
573.	6.972	2079.	4.48
574.	6.948	2080.	4.482
575.	6.941	2081.	4.487
576.	6.961	2082.	4.481
577.	6.956	2083.	4.485
578.	6.986	2084.	4.449
579.	6.999	2085.	4.444
580.	6.964	2086.	4.447
581.	6.993	2087.	4.449
582.	7.02	2088.	4.465
583.	7.04	2089.	4.479
584.	7.029	2090.	4.401
585.	7.05	2091.	4.438
586.	7.028	2092.	4.458
587.	7.032	2093.	4.453
588.	7.057	2094.	4.419
589.	7.012	2095.	4.435
590.	7.065	2096.	4.414
591.	7.072	2097.	4.438
592.	7.097	2098.	4.418
593.	7.093	2099.	4.418
594.	7.109	2100.	4.416
595.	7.079	2101.	4.398
596.	7.117	2102.	4.396
597.	7.131	2103.	4.379
598.	7.113	2104.	4.382
599.	7.11	2105.	4.4
600.	7.128	2106.	4.392
601.	7.126	2107.	4.382
602.	7.135	2108.	4.381
603.	7.166	2109.	4.372
604.	7.112	2110.	4.362
605.	7.196	2111.	4.357
606.	7.173	2112.	4.348
607.	7.177	2113.	4.378
608.	7.176	2114.	4.337
609.	7.201	2115.	4.338
610.	7.164	2116.	4.348
611.	7.207	2117.	4.337
612.	7.204	2118.	4.348
613.	7.217	2119.	4.307
614.	7.204	2120.	4.363
615.	7.23	2121.	4.314
616.	7.262	2122.	4.322
617.	7.245	2123.	4.357
618.	7.26	2124.	4.331
619.	7.237	2125.	4.3
620.	7.26	2126.	4.314
621.	7.25	2127.	4.314
622.	7.244	2128.	4.315
623.	7.284	2129.	4.309
624.	7.293	2130.	4.298
625.	7.272	2131.	4.281
626.	7.307	2132.	4.283

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	7.31	2133.	4.29
628.	7.301	2134.	4.286
629.	7.271	2135.	4.304
630.	7.296	2136.	4.292
631.	7.333	2137.	4.264
632.	7.333	2138.	4.261
633.	7.329	2139.	4.291
634.	7.347	2140.	4.252
635.	7.379	2141.	4.24
636.	7.376	2142.	4.236
637.	7.382	2143.	4.269
638.	7.37	2144.	4.272
639.	7.382	2145.	4.263
640.	7.391	2146.	4.253
641.	7.375	2147.	4.211
642.	7.394	2148.	4.238
643.	7.396	2149.	4.269
644.	7.411	2150.	4.222
645.	7.384	2151.	4.231
646.	7.392	2152.	4.239
647.	7.429	2153.	4.25
648.	7.429	2154.	4.226
649.	7.438	2155.	4.241
650.	7.431	2156.	4.224
651.	7.462	2157.	4.22
652.	7.45	2158.	4.242
653.	7.439	2159.	4.214
654.	7.473	2160.	4.215
655.	7.474	2161.	4.244
656.	7.507	2162.	4.22
657.	7.479	2163.	4.201
658.	7.502	2164.	4.19
659.	7.504	2165.	4.173
660.	7.486	2166.	4.187
661.	7.489	2167.	4.161
662.	7.52	2168.	4.176
663.	7.555	2169.	4.183
664.	7.519	2170.	4.173
665.	7.495	2171.	4.181
666.	7.502	2172.	4.163
667.	7.555	2173.	4.186
668.	7.536	2174.	4.139
669.	7.542	2175.	4.123
670.	7.538	2176.	4.163
671.	7.525	2177.	4.155
672.	7.526	2178.	4.108
673.	7.575	2179.	4.133
674.	7.597	2180.	4.134
675.	7.602	2181.	4.105
676.	7.595	2182.	4.122
677.	7.606	2183.	4.131
678.	7.6	2184.	4.094
679.	7.575	2185.	4.126
680.	7.632	2186.	4.117
681.	7.616	2187.	4.136
682.	7.596	2188.	4.135
683.	7.62	2189.	4.097
684.	7.656	2190.	4.112
685.	7.637	2191.	4.089
686.	7.676	2192.	4.112
687.	7.689	2193.	4.097
688.	7.661	2194.	4.12
689.	7.661	2195.	4.08
690.	7.692	2196.	4.088
691.	7.667	2197.	4.078
692.	7.696	2198.	4.074

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	7.699	2199.	4.077
694.	7.703	2200.	4.063
695.	7.717	2201.	4.095
696.	7.728	2202.	4.063
697.	7.736	2203.	4.074
698.	7.726	2204.	4.058
699.	7.744	2205.	4.076
700.	7.73	2206.	4.075
701.	7.741	2207.	4.063
702.	7.738	2208.	4.064
703.	7.785	2209.	4.042
704.	7.802	2210.	4.035
705.	7.746	2211.	4.044
706.	7.772	2212.	4.052
707.	7.791	2213.	4.057
708.	7.787	2214.	4.058
709.	7.767	2215.	4.052
710.	7.794	2216.	4.045
711.	7.799	2217.	4.036
712.	7.797	2218.	4.017
713.	7.789	2219.	3.992
714.	7.834	2220.	3.996
715.	7.831	2221.	4.018
716.	7.835	2222.	4.025
717.	7.846	2223.	4.014
718.	7.837	2224.	4.033
719.	7.826	2225.	4.011
720.	7.843	2226.	4.007
721.	7.873	2227.	4.025
722.	7.862	2228.	4.015
723.	7.857	2229.	4.005
724.	7.891	2230.	3.992
725.	7.88	2231.	3.995
726.	7.866	2232.	3.984
727.	7.915	2233.	3.955
728.	7.938	2234.	3.979
729.	7.888	2235.	3.971
730.	7.908	2236.	3.977
731.	7.911	2237.	3.951
732.	7.905	2238.	3.936
733.	7.901	2239.	3.965
734.	7.947	2240.	3.959
735.	7.952	2241.	3.973
736.	7.961	2242.	3.951
737.	7.956	2243.	3.936
738.	7.955	2244.	3.96
739.	7.95	2245.	3.953
740.	7.948	2246.	3.966
741.	7.978	2247.	3.953
742.	7.991	2248.	3.941
743.	7.983	2249.	3.949
744.	7.97	2250.	3.947
745.	7.98	2251.	3.945
746.	7.991	2252.	3.925
747.	7.99	2253.	3.932
748.	7.997	2254.	3.938
749.	8.003	2255.	3.935
750.	8.045	2256.	3.917
751.	7.995	2257.	3.909
752.	8.02	2258.	3.929
753.	8.031	2259.	3.889
754.	8.057	2260.	3.932
755.	8.025	2261.	3.918
756.	8.067	2262.	3.902
757.	8.031	2263.	3.938
758.	8.077	2264.	3.882

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	8.066	2265.	3.88
760.	8.069	2266.	3.902
761.	8.072	2267.	3.879
762.	8.101	2268.	3.893
763.	8.111	2269.	3.891
764.	8.077	2270.	3.868
765.	8.101	2271.	3.871
766.	8.107	2272.	3.865
767.	8.151	2273.	3.878
768.	8.085	2274.	3.878
769.	8.146	2275.	3.856
770.	8.102	2276.	3.853
771.	8.141	2277.	3.848
772.	8.124	2278.	3.851
773.	8.163	2279.	3.856
774.	8.125	2280.	3.853
775.	8.164	2281.	3.877
776.	8.172	2282.	3.839
777.	8.192	2283.	3.841
778.	8.178	2284.	3.847
779.	8.194	2285.	3.846
780.	8.182	2286.	3.849
781.	8.192	2287.	3.828
782.	8.237	2288.	3.841
783.	8.197	2289.	3.842
784.	8.189	2290.	3.829
785.	8.21	2291.	3.832
786.	8.21	2292.	3.794
787.	8.242	2293.	3.827
788.	8.234	2294.	3.822
789.	8.244	2295.	3.835
790.	8.254	2296.	3.827
791.	8.253	2297.	3.804
792.	8.247	2298.	3.799
793.	8.26	2299.	3.808
794.	8.249	2300.	3.8
795.	8.27	2301.	3.792
796.	8.243	2302.	3.801
797.	8.267	2303.	3.813
798.	8.252	2304.	3.819
799.	8.28	2305.	3.799
800.	8.278	2306.	3.792
801.	8.319	2307.	3.804
802.	8.293	2308.	3.786
803.	8.299	2309.	3.803
804.	8.308	2310.	3.767
805.	8.306	2311.	3.78
806.	8.322	2312.	3.772
807.	8.308	2313.	3.785
808.	8.311	2314.	3.792
809.	8.327	2315.	3.736
810.	8.314	2316.	3.758
811.	8.329	2317.	3.751
812.	8.345	2318.	3.767
813.	8.338	2319.	3.741
814.	8.368	2320.	3.726
815.	8.368	2321.	3.752
816.	8.358	2322.	3.766
817.	8.387	2323.	3.749
818.	8.404	2324.	3.734
819.	8.374	2325.	3.723
820.	8.366	2326.	3.751
821.	8.401	2327.	3.72
822.	8.388	2328.	3.758
823.	8.401	2329.	3.721
824.	8.419	2330.	3.737

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	8.396	2331.	3.741
826.	8.427	2332.	3.725
827.	8.414	2333.	3.712
828.	8.415	2334.	3.725
829.	8.433	2335.	3.696
830.	8.432	2336.	3.729
831.	8.435	2337.	3.698
832.	8.449	2338.	3.684
833.	8.471	2339.	3.697
834.	8.474	2340.	3.695
835.	8.478	2341.	3.697
836.	8.48	2342.	3.687
837.	8.491	2343.	3.745
838.	8.498	2344.	3.701
839.	8.512	2345.	3.7
840.	8.478	2346.	3.637
841.	8.506	2347.	3.694
842.	8.515	2348.	3.677
843.	8.492	2349.	3.704
844.	8.496	2350.	3.672
845.	8.508	2351.	3.676
846.	8.527	2352.	3.673
847.	8.534	2353.	3.69
848.	8.521	2354.	3.664
849.	8.528	2355.	3.679
850.	8.527	2356.	3.648
851.	8.535	2357.	3.627
852.	8.555	2358.	3.627
853.	8.542	2359.	3.678
854.	8.553	2360.	3.644
855.	8.539	2361.	3.656
856.	8.564	2362.	3.649
857.	8.586	2363.	3.672
858.	8.56	2364.	3.648
859.	8.58	2365.	3.622
860.	8.564	2366.	3.621
861.	8.589	2367.	3.604
862.	8.608	2368.	3.647
863.	8.613	2369.	3.619
864.	8.605	2370.	3.643
865.	8.595	2371.	3.645
866.	8.638	2372.	3.64
867.	8.625	2373.	3.628
868.	8.632	2374.	3.626
869.	8.617	2375.	3.6
870.	8.633	2376.	3.597
871.	8.65	2377.	3.586
872.	8.636	2378.	3.618
873.	8.679	2379.	3.587
874.	8.644	2380.	3.616
875.	8.66	2381.	3.599
876.	8.669	2382.	3.609
877.	8.676	2383.	3.599
878.	8.705	2384.	3.584
879.	8.675	2385.	3.602
880.	8.698	2386.	3.574
881.	8.693	2387.	3.584
882.	8.696	2388.	3.598
883.	8.708	2389.	3.582
884.	8.696	2390.	3.571
885.	8.702	2391.	3.59
886.	8.681	2392.	3.559
887.	8.703	2393.	3.549
888.	8.748	2394.	3.572
889.	8.727	2395.	3.582
890.	8.737	2396.	3.563

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	8.743	2397.	3.561
892.	8.738	2398.	3.553
893.	8.751	2399.	3.571
894.	8.733	2400.	3.527
895.	8.73	2401.	3.546
896.	8.758	2402.	3.547
897.	8.801	2403.	3.552
898.	8.752	2404.	3.557
899.	8.761	2405.	3.52
900.	8.78	2406.	3.537
901.	8.801	2407.	3.525
902.	8.754	2408.	3.535
903.	8.798	2409.	3.534
904.	8.795	2410.	3.534
905.	8.778	2411.	3.521
906.	8.813	2412.	3.548
907.	8.844	2413.	3.526
908.	8.816	2414.	3.545
909.	8.834	2415.	3.509
910.	8.835	2416.	3.515
911.	8.824	2417.	3.485
912.	8.842	2418.	3.512
913.	8.833	2419.	3.492
914.	8.853	2420.	3.53
915.	8.874	2421.	3.508
916.	8.813	2422.	3.504
917.	8.865	2423.	3.492
918.	8.862	2424.	3.498
919.	8.877	2425.	3.551
920.	8.849	2426.	3.473
921.	8.887	2427.	3.467
922.	8.896	2428.	3.5
923.	8.914	2429.	3.453
924.	8.886	2430.	3.497
925.	8.887	2431.	3.453
926.	8.883	2432.	3.492
927.	8.922	2433.	3.491
928.	8.921	2434.	3.502
929.	8.929	2435.	3.479
930.	8.879	2436.	3.463
931.	8.912	2437.	3.487
932.	8.953	2438.	3.483
933.	8.932	2439.	3.47
934.	8.943	2440.	3.438
935.	8.919	2441.	3.48
936.	8.927	2442.	3.482
937.	8.937	2443.	3.449
938.	8.947	2444.	3.449
939.	8.969	2445.	3.441
940.	8.95	2446.	3.44
941.	8.985	2447.	3.419
942.	8.95	2448.	3.426
943.	8.954	2449.	3.426
944.	9.008	2450.	3.445
945.	8.988	2451.	3.425
946.	9.01	2452.	3.452
947.	8.996	2453.	3.455
948.	8.994	2454.	3.408
949.	8.983	2455.	3.434
950.	8.998	2456.	3.432
951.	9.041	2457.	3.422
952.	8.987	2458.	3.443
953.	9.013	2459.	3.429
954.	9.028	2460.	3.434
955.	9.035	2461.	3.403
956.	9.048	2462.	3.407

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	9.054	2463.	3.392
958.	9.027	2464.	3.415
959.	9.037	2465.	3.378
960.	9.058	2466.	3.404
961.	9.058	2467.	3.39
962.	9.066	2468.	3.408
963.	9.069	2469.	3.397
964.	9.041	2470.	3.394
965.	9.066	2471.	3.398
966.	9.066	2472.	3.377
967.	9.082	2473.	3.411
968.	9.065	2474.	3.387
969.	9.093	2475.	3.372
970.	9.101	2476.	3.401
971.	9.062	2477.	3.372
972.	9.093	2478.	3.374
973.	9.091	2479.	3.36
974.	9.106	2480.	3.33
975.	9.115	2481.	3.383
976.	9.134	2482.	3.371
977.	9.096	2483.	3.345
978.	9.123	2484.	3.337
979.	9.134	2485.	3.369
980.	9.121	2486.	3.352
981.	9.106	2487.	3.364
982.	9.139	2488.	3.378
983.	9.128	2489.	3.388
984.	9.131	2490.	3.346
985.	9.182	2491.	3.35
986.	9.139	2492.	3.335
987.	9.139	2493.	3.345
988.	9.15	2494.	3.318
989.	9.142	2495.	3.331
990.	9.167	2496.	3.292
991.	9.156	2497.	3.322
992.	9.183	2498.	3.331
993.	9.126	2499.	3.333
994.	9.199	2500.	3.283
995.	9.209	2501.	3.314
996.	9.197	2502.	3.31
997.	9.168	2503.	3.34
998.	9.193	2504.	3.336
999.	9.181	2505.	3.316
1000.	9.202	2506.	3.283
1001.	9.226	2507.	3.32
1002.	9.228	2508.	3.297
1003.	9.23	2509.	3.308
1004.	9.216	2510.	3.322
1005.	9.219	2511.	3.3
1006.	9.256	2512.	3.291
1007.	9.238	2513.	3.303
1008.	9.263	2514.	3.293
1009.	9.256	2515.	3.285
1010.	9.237	2516.	3.29
1011.	9.248	2517.	3.285
1012.	9.247	2518.	3.28
1013.	9.254	2519.	3.278
1014.	9.285	2520.	3.282
1015.	9.264	2521.	3.284
1016.	9.268	2522.	3.273
1017.	9.26	2523.	3.231
1018.	9.275	2524.	3.24
1019.	9.281	2525.	3.233
1020.	9.304	2526.	3.252
1021.	9.291	2527.	3.248
1022.	9.313	2528.	3.256

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	9.279	2529.	3.234
1024.	9.3	2530.	3.226
1025.	9.293	2531.	3.259
1026.	9.321	2532.	3.266
1027.	9.331	2533.	3.256
1028.	9.291	2534.	3.249
1029.	9.325	2535.	3.212
1030.	9.368	2536.	3.254
1031.	9.343	2537.	3.244
1032.	9.312	2538.	3.213
1033.	9.316	2539.	3.253
1034.	9.348	2540.	3.265
1035.	9.348	2541.	3.245
1036.	9.353	2542.	3.226
1037.	9.322	2543.	3.238
1038.	9.327	2544.	3.239
1039.	9.352	2545.	3.207
1040.	9.34	2546.	3.228
1041.	9.378	2547.	3.231
1042.	9.377	2548.	3.212
1043.	9.373	2549.	3.209
1044.	9.39	2550.	3.237
1045.	9.396	2551.	3.227
1046.	9.378	2552.	3.214
1047.	9.401	2553.	3.196
1048.	9.373	2554.	3.226
1049.	9.378	2555.	3.181
1050.	9.407	2556.	3.208
1051.	9.415	2557.	3.17
1052.	9.413	2558.	3.197
1053.	9.411	2559.	3.186
1054.	9.439	2560.	3.178
1055.	9.419	2561.	3.196
1056.	9.413	2562.	3.176
1057.	9.432	2563.	3.169
1058.	9.42	2564.	3.168
1059.	9.423	2565.	3.168
1060.	9.413	2566.	3.154
1061.	9.433	2567.	3.153
1062.	9.438	2568.	3.164
1063.	9.451	2569.	3.159
1064.	9.43	2570.	3.148
1065.	9.457	2571.	3.191
1066.	9.463	2572.	3.165
1067.	9.47	2573.	3.171
1068.	9.468	2574.	3.167
1069.	9.477	2575.	3.192
1070.	9.492	2576.	3.149
1071.	9.463	2577.	3.173
1072.	9.474	2578.	3.164
1073.	9.504	2579.	3.138
1074.	9.505	2580.	3.143
1075.	9.481	2581.	3.136
1076.	9.512	2582.	3.142
1077.	9.522	2583.	3.121
1078.	9.512	2584.	3.128
1079.	9.528	2585.	3.15
1080.	9.499	2586.	3.177
1081.	9.506	2587.	3.122
1082.	9.525	2588.	3.101
1083.	9.537	2589.	3.104
1084.	9.523	2590.	3.09
1085.	9.55	2591.	3.109
1086.	9.5	2592.	3.122
1087.	9.547	2593.	3.098
1088.	9.533	2594.	3.119

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	9.552	2595.	3.116
1090.	9.563	2596.	3.123
1091.	9.531	2597.	3.109
1092.	9.551	2598.	3.071
1093.	9.541	2599.	3.113
1094.	9.518	2600.	3.067
1095.	9.547	2601.	3.066
1096.	9.567	2602.	3.105
1097.	9.57	2603.	3.093
1098.	9.565	2604.	3.115
1099.	9.605	2605.	3.087
1100.	9.583	2606.	3.09
1101.	9.557	2607.	3.117
1102.	9.601	2608.	3.077
1103.	9.601	2609.	3.044
1104.	9.617	2610.	3.076
1105.	9.575	2611.	3.077
1106.	9.602	2612.	3.075
1107.	9.632	2613.	3.086
1108.	9.618	2614.	3.05
1109.	9.647	2615.	3.042
1110.	9.6	2616.	3.073
1111.	9.602	2617.	3.063
1112.	9.637	2618.	3.074
1113.	9.597	2619.	3.075
1114.	9.625	2620.	3.069
1115.	9.624	2621.	3.102
1116.	9.639	2622.	3.048
1117.	9.665	2623.	3.033
1118.	9.617	2624.	3.044
1119.	9.637	2625.	3.031
1120.	9.66	2626.	3.046
1121.	9.652	2627.	3.051
1122.	9.661	2628.	3.045
1123.	9.666	2629.	3.04
1124.	9.643	2630.	3.066
1125.	9.681	2631.	3.026
1126.	9.664	2632.	3.008
1127.	9.677	2633.	3.033
1128.	9.675	2634.	3.035
1129.	9.674	2635.	3.032
1130.	9.693	2636.	3.028
1131.	9.707	2637.	3.036
1132.	9.693	2638.	3.008
1133.	9.69	2639.	3.025
1134.	9.722	2640.	3.007
1135.	9.741	2641.	3.013
1136.	9.709	2642.	2.999
1137.	9.705	2643.	3.001
1138.	9.71	2644.	3.013
1139.	9.748	2645.	3.018
1140.	9.715	2646.	2.983
1141.	9.726	2647.	3.011
1142.	9.722	2648.	2.991
1143.	9.726	2649.	3.003
1144.	9.733	2650.	3.014
1145.	9.746	2651.	3.011
1146.	9.747	2652.	3.013
1147.	9.724	2653.	2.971
1148.	9.736	2654.	2.983
1149.	9.745	2655.	2.966
1150.	9.732	2656.	2.989
1151.	9.764	2657.	2.961
1152.	9.753	2658.	2.98
1153.	9.769	2659.	3.001
1154.	9.772	2660.	3.006

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	9.772	2661.	2.962
1156.	9.789	2662.	2.977
1157.	9.757	2663.	2.962
1158.	9.766	2664.	2.998
1159.	9.774	2665.	2.949
1160.	9.791	2666.	3.
1161.	9.809	2667.	2.966
1162.	9.767	2668.	2.984
1163.	9.791	2669.	2.987
1164.	9.776	2670.	2.967
1165.	9.783	2671.	2.969
1166.	9.796	2672.	2.95
1167.	9.783	2673.	2.954
1168.	9.808	2674.	2.962
1169.	9.803	2675.	2.921
1170.	9.804	2676.	2.975
1171.	9.831	2677.	2.918
1172.	9.843	2678.	2.974
1173.	9.852	2679.	2.942
1174.	9.816	2680.	3.
1175.	9.861	2681.	2.928
1176.	9.837	2682.	2.925
1177.	9.831	2683.	2.936
1178.	9.83	2684.	2.921
1179.	9.837	2685.	2.927
1180.	9.841	2686.	2.927
1181.	9.83	2687.	2.943
1182.	9.876	2688.	2.911
1183.	9.861	2689.	2.882
1184.	9.855	2690.	2.941
1185.	9.822	2691.	2.931
1186.	9.872	2692.	2.939
1187.	9.885	2693.	2.905
1188.	9.862	2694.	2.92
1189.	9.879	2695.	2.901
1190.	9.877	2696.	2.914
1191.	9.882	2697.	2.929
1192.	9.887	2698.	2.891
1193.	9.913	2699.	2.883
1194.	9.884	2700.	2.867
1195.	9.897	2701.	2.912
1196.	9.895	2702.	2.901
1197.	9.9	2703.	2.91
1198.	9.887	2704.	2.914
1199.	9.917	2705.	2.89
1200.	9.9	2706.	2.904
1201.	9.929	2707.	2.89
1202.	9.916	2708.	2.882
1203.	9.918	2709.	2.901
1204.	9.942	2710.	2.892
1205.	9.906	2711.	2.891
1206.	9.939	2712.	2.897
1207.	9.935	2713.	2.875
1208.	9.943	2714.	2.869
1209.	9.933	2715.	2.856
1210.	9.948	2716.	2.873
1211.	9.941	2717.	2.892
1212.	9.972	2718.	2.831
1213.	9.943	2719.	2.84
1214.	9.957	2720.	2.885
1215.	9.978	2721.	2.85
1216.	9.951	2722.	2.855
1217.	9.958	2723.	2.821
1218.	9.921	2724.	2.851
1219.	9.947	2725.	2.854
1220.	9.978	2726.	2.868

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	9.93	2727.	2.891
1222.	9.961	2728.	2.862
1223.	9.93	2729.	2.834
1224.	9.948	2730.	2.866
1225.	9.959	2731.	2.846
1226.	9.977	2732.	2.854
1227.	9.962	2733.	2.813
1228.	9.958	2734.	2.836
1229.	9.942	2735.	2.826
1230.	9.97	2736.	2.842
1231.	9.955	2737.	2.824
1232.	9.949	2738.	2.824
1233.	9.971	2739.	2.833
1234.	9.986	2740.	2.839
1235.	9.979	2741.	2.828
1236.	9.956	2742.	2.858
1237.	9.982	2743.	2.809
1238.	9.98	2744.	2.79
1239.	10.01	2745.	2.827
1240.	9.941	2746.	2.811
1241.	9.973	2747.	2.826
1242.	9.989	2748.	2.826
1243.	9.98	2749.	2.811
1244.	9.977	2750.	2.831
1245.	9.993	2751.	2.819
1246.	9.984	2752.	2.809
1247.	9.964	2753.	2.786
1248.	10.02	2754.	2.779
1249.	9.977	2755.	2.8
1250.	9.993	2756.	2.809
1251.	9.982	2757.	2.786
1252.	9.982	2758.	2.785
1253.	10.01	2759.	2.817
1254.	9.994	2760.	2.781
1255.	9.988	2761.	2.847
1256.	10.03	2762.	2.764
1257.	10.03	2763.	2.801
1258.	10.01	2764.	2.799
1259.	10.01	2765.	2.746
1260.	10.01	2766.	2.775
1261.	10.04	2767.	2.762
1262.	9.994	2768.	2.771
1263.	10.01	2769.	2.802
1264.	10.05	2770.	2.75
1265.	10.03	2771.	2.784
1266.	10.	2772.	2.741
1267.	10.02	2773.	2.752
1268.	10.03	2774.	2.737
1269.	10.04	2775.	2.757
1270.	10.02	2776.	2.774
1271.	10.04	2777.	2.787
1272.	10.06	2778.	2.77
1273.	10.04	2779.	2.756
1274.	10.02	2780.	2.773
1275.	10.06	2781.	2.75
1276.	10.06	2782.	2.737
1277.	10.08	2783.	2.77
1278.	10.06	2784.	2.722
1279.	10.05	2785.	2.729
1280.	10.07	2786.	2.761
1281.	10.06	2787.	2.749
1282.	10.07	2788.	2.76
1283.	10.08	2789.	2.74
1284.	10.07	2790.	2.742
1285.	10.06	2791.	2.76
1286.	10.09	2792.	2.716

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	10.08	2793.	2.736
1288.	10.1	2794.	2.719
1289.	10.09	2795.	2.738
1290.	10.12	2796.	2.742
1291.	10.11	2797.	2.76
1292.	10.09	2798.	2.719
1293.	10.11	2799.	2.727
1294.	10.1	2800.	2.71
1295.	10.11	2801.	2.73
1296.	10.12	2802.	2.716
1297.	10.13	2803.	2.735
1298.	10.12	2804.	2.707
1299.	10.14	2805.	2.735
1300.	10.15	2806.	2.697
1301.	10.13	2807.	2.725
1302.	10.12	2808.	2.693
1303.	10.17	2809.	2.697
1304.	10.16	2810.	2.692
1305.	10.16	2811.	2.704
1306.	10.15	2812.	2.683
1307.	10.14	2813.	2.728
1308.	10.12	2814.	2.694
1309.	10.17	2815.	2.72
1310.	10.16	2816.	2.701
1311.	10.15	2817.	2.699
1312.	10.15	2818.	2.678
1313.	10.17	2819.	2.681
1314.	10.17	2820.	2.716
1315.	10.17	2821.	2.673
1316.	10.17	2822.	2.705
1317.	10.19	2823.	2.705
1318.	10.17	2824.	2.697
1319.	10.18	2825.	2.687
1320.	10.17	2826.	2.676
1321.	10.16	2827.	2.689
1322.	10.17	2828.	2.674
1323.	10.2	2829.	2.689
1324.	10.18	2830.	2.725
1325.	10.22	2831.	2.675
1326.	10.17	2832.	2.701
1327.	10.17	2833.	2.687
1328.	10.22	2834.	2.673
1329.	10.2	2835.	2.66
1330.	10.21	2836.	2.7
1331.	10.2	2837.	2.67
1332.	10.2	2838.	2.644
1333.	10.18	2839.	2.658
1334.	10.23	2840.	2.68
1335.	10.22	2841.	2.664
1336.	10.23	2842.	2.666
1337.	10.23	2843.	2.649
1338.	10.24	2844.	2.632
1339.	10.25	2845.	2.664
1340.	10.25	2846.	2.673
1341.	10.26	2847.	2.676
1342.	10.24	2848.	2.645
1343.	10.24	2849.	2.64
1344.	10.26	2850.	2.629
1345.	10.26	2851.	2.674
1346.	10.28	2852.	2.636
1347.	10.29	2853.	2.671
1348.	10.28	2854.	2.626
1349.	10.28	2855.	2.628
1350.	10.25	2856.	2.63
1351.	10.29	2857.	2.591
1352.	10.28	2858.	2.632

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	10.28	2859.	2.646
1354.	10.3	2860.	2.604
1355.	10.3	2861.	2.619
1356.	10.28	2862.	2.652
1357.	10.26	2863.	2.622
1358.	10.33	2864.	2.604
1359.	10.32	2865.	2.644
1360.	10.3	2866.	2.585
1361.	10.29	2867.	2.589
1362.	10.31	2868.	2.581
1363.	10.3	2869.	2.619
1364.	10.32	2870.	2.63
1365.	10.33	2871.	2.623
1366.	10.33	2872.	2.6
1367.	10.35	2873.	2.596
1368.	10.36	2874.	2.598
1369.	10.35	2875.	2.646
1370.	10.34	2876.	2.607
1371.	10.33	2877.	2.636
1372.	10.32	2878.	2.614
1373.	10.35	2879.	2.604
1374.	10.35	2880.	2.594
1375.	10.36	2881.	2.616
1376.	10.35	2882.	2.615
1377.	10.36	2883.	2.612
1378.	10.35	2884.	2.591
1379.	10.37	2885.	2.597
1380.	10.35	2886.	2.603
1381.	10.36	2887.	2.56
1382.	10.38	2888.	2.591
1383.	10.4	2889.	2.58
1384.	10.39	2890.	2.589
1385.	10.37	2891.	2.564
1386.	10.37	2892.	2.564
1387.	10.41	2893.	2.582
1388.	10.4	2894.	2.562
1389.	10.41	2895.	2.567
1390.	10.41	2896.	2.564
1391.	10.42	2897.	2.594
1392.	10.41	2898.	2.602
1393.	10.39	2899.	2.58
1394.	10.4	2900.	2.564
1395.	10.42	2901.	2.539
1396.	10.44	2902.	2.568
1397.	10.43	2903.	2.57
1398.	10.42	2904.	2.542
1399.	10.44	2905.	2.564
1400.	10.45	2906.	2.609
1401.	10.43	2907.	2.566
1402.	10.41	2908.	2.557
1403.	10.46	2909.	2.586
1404.	10.44	2910.	2.544
1405.	10.43	2911.	2.568
1406.	10.46	2912.	2.545
1407.	10.47	2913.	2.564
1408.	10.49	2914.	2.546
1409.	10.45	2915.	2.562
1410.	10.47	2916.	2.548
1411.	10.44	2917.	2.556
1412.	10.47	2918.	2.543
1413.	10.48	2919.	2.537
1414.	10.48	2920.	2.552
1415.	10.47	2921.	2.558
1416.	10.48	2922.	2.553
1417.	10.5	2923.	2.527
1418.	10.5	2924.	2.516

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	10.49	2925.	2.527
1420.	10.48	2926.	2.559
1421.	10.49	2927.	2.53
1422.	10.49	2928.	2.499
1423.	10.51	2929.	2.528
1424.	10.5	2930.	2.54
1425.	10.51	2931.	2.532
1426.	10.53	2932.	2.53
1427.	10.53	2933.	2.496
1428.	10.5	2934.	2.523
1429.	10.52	2935.	2.523
1430.	10.53	2936.	2.485
1431.	10.54	2937.	2.509
1432.	10.54	2938.	2.501
1433.	10.52	2939.	2.516
1434.	10.54	2940.	2.533
1435.	10.55	2941.	2.525
1436.	10.53	2942.	2.526
1437.	10.53	2943.	2.543
1438.	10.55	2944.	2.523
1439.	10.56	2945.	2.55
1440.	10.57	2946.	2.511
1441.	10.55	2947.	2.515
1442.	10.54	2948.	2.516
1443.	10.57	2949.	2.502
1444.	10.58	2950.	2.53
1445.	10.56	2951.	2.524
1446.	10.58	2952.	2.52
1447.	10.58	2953.	2.527
1448.	10.59	2954.	2.486
1449.	10.55	2955.	2.507
1450.	10.58	2956.	2.496
1451.	10.59	2957.	2.491
1452.	10.58	2958.	2.461
1453.	10.57	2959.	2.469
1454.	10.57	2960.	2.516
1455.	10.58	2961.	2.495
1456.	10.56	2962.	2.487
1457.	10.53	2963.	2.483
1458.	10.56	2964.	2.475
1459.	10.55	2965.	2.473
1460.	10.49	2966.	2.464
1461.	10.48	2967.	2.493
1462.	10.48	2968.	2.446
1463.	10.46	2969.	2.467
1464.	10.45	2970.	2.512
1465.	10.44	2971.	2.499
1466.	10.41	2972.	2.487
1467.	10.4	2973.	2.486
1468.	10.36	2974.	2.47
1469.	10.34	2975.	2.471
1470.	10.33	2976.	2.463
1471.	10.33	2977.	2.485
1472.	10.32	2978.	2.479
1473.	10.27	2979.	2.506
1474.	10.26	2980.	2.469
1475.	10.23	2981.	2.458
1476.	10.22	2982.	2.479
1477.	10.2	2983.	2.443
1478.	10.16	2984.	2.465
1479.	10.14	2985.	2.481
1480.	10.13	2986.	2.464
1481.	10.1	2987.	2.464
1482.	10.09	2988.	2.41
1483.	10.08	2989.	2.472
1484.	10.03	2990.	2.413

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1485.	10.01	2991.	2.48
1486.	9.988	2992.	2.433
1487.	9.977	2993.	2.465
1488.	9.984	2994.	2.453
1489.	9.947	2995.	2.456
1490.	9.958	2996.	2.447
1491.	9.901	2997.	2.447
1492.	9.882	2998.	2.46
1493.	9.858	2999.	2.434
1494.	9.824	3000.	2.467
1495.	9.843	3001.	2.418
1496.	9.799	3002.	2.429
1497.	9.786	3003.	2.464
1498.	9.75	3004.	2.425
1499.	9.74	3005.	2.454
1500.	9.681	3006.	2.435
1501.	9.703	3007.	2.463
1502.	9.655	3008.	2.41
1503.	9.675	3009.	2.449
1504.	9.632	3010.	2.42
1505.	9.619	3011.	2.446
1506.	9.624	3012.	2.442

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1387.7	ft^2/day
S	0.0001235	
Kz/Kr	1.	
b	80.	ft

K = T/b = 17.35 ft/day (0.006119 cm/sec)
Ss = S/b = 1.544E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1405.7	1.102	+/- 2.161	1275.6	ft^2/day
S	0.0001512	2.059E-7	+/- 4.038E-7	734.5	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 17.57 ft/day (0.006199 cm/sec)
Ss = S/b = 1.89E-6 1/ft

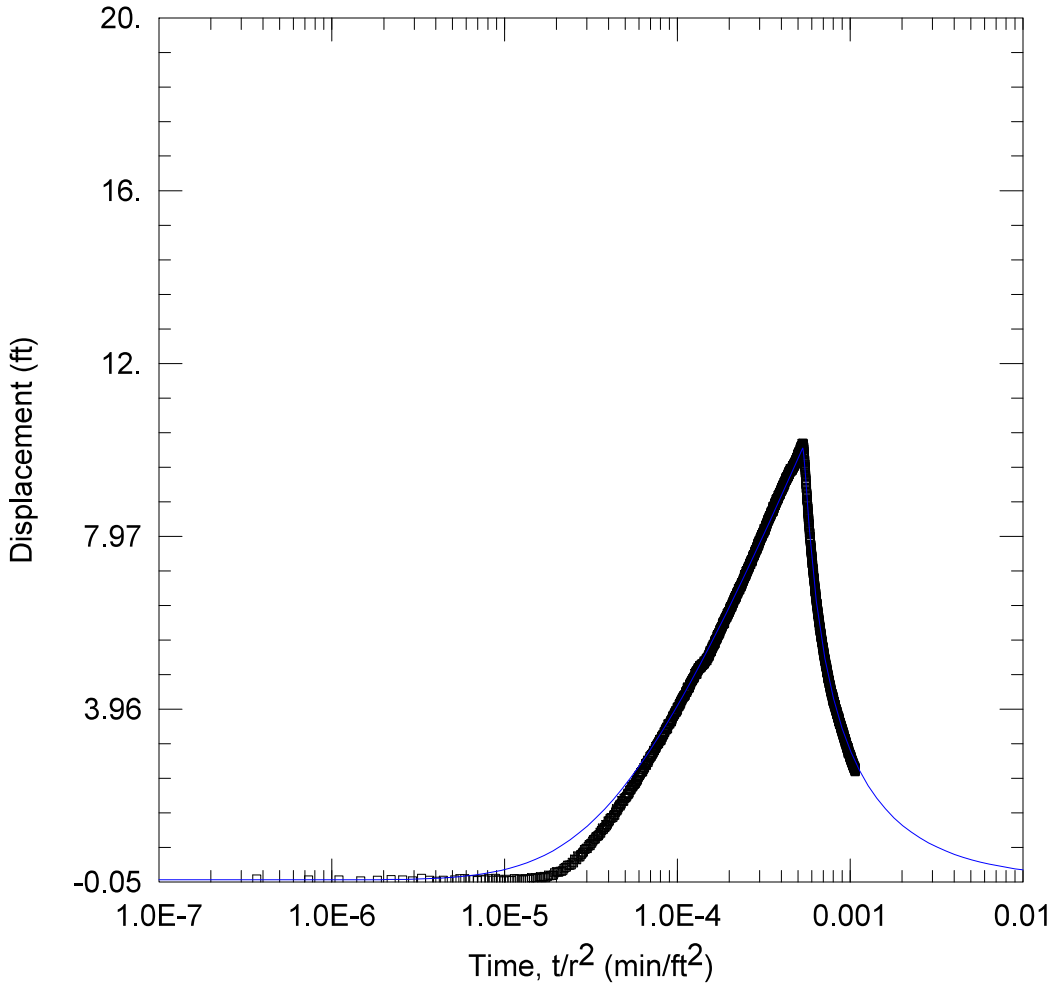
Parameter Correlations

	T	S
T	1.00	-0.75
S	-0.75	1.00

Residual Statistics

for weighted residuals

Sum of Squares . . . . . 44.96 ft^2
Variance . . . . . 0.01494 ft^2
Std. Deviation . . . . . 0.1222 ft
Mean . . . . . -0.04049 ft
No. of Residuals 3012
No. of Estimates 2



WELL TEST ANALYSIS

Data Set: C:\...\MW33.aqt
Date: 04/11/25 Time: 12:13:38

PROJECT INFORMATION

Company: TDI

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
BM 1B	1190	796
BM2A	1517	903
BM3	657	719
BM 4	842	828
BM5	840	1107
BM 6	1022	1300
BM7	1392	1350
BM9	2066	1473

Observation Wells

Well Name	X (ft)	Y (ft)
▫ MW33	2098	2171

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1378. ft2/day
S = 0.0001744
Kz/Kr = 1.
b = 80. ft

Data Set: C:\Users\Publishing\TerraDynamics\Terra Dynamics Main Site - Documents\Projects 2024\24-160 enCor
Date: 04/11/25
Time: 11:33:47

PROJECT INFORMATION

Company: TDI

AQUIFER DATA

Saturated Thickness: 80. ft
Anisotropy Ratio (Kz/Kr): 1.

PUMPING WELL DATA

No. of pumping wells: 8

Pumping Well No. 1: BM 1B

X Location: 1190. ft
Y Location: 796. ft

Casing Radius: 1. ft
Well Radius: 1. ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	53.3	1440.	0.

Pumping Well No. 2: BM2A

X Location: 1517. ft
Y Location: 903. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.3	1440.	0.

Pumping Well No. 3: BM3

X Location: 657. ft
Y Location: 719. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	4.2	1440.	0.

Pumping Well No. 4: BM 4

X Location: 842. ft
Y Location: 828. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	49.7	1440.	0.

Pumping Well No. 5: BM5

X Location: 840. ft
Y Location: 1107. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	51.2	1440.	0.

Pumping Well No. 6: BM 6

X Location: 1022. ft
Y Location: 1300. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	54.3	1440.	0.

Pumping Well No. 7: BM7

X Location: 1392. ft
Y Location: 1350. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	50.7	1440.	0.

Pumping Well No. 8: BM9

X Location: 2066. ft
Y Location: 1473. ft

Casing Radius: 0.5 ft
Well Radius: 0.5 ft

Fully Penetrating Well

No. of pumping periods: 2

Pumping Period Data

Time (min)	Rate (gal/min)	Time (min)	Rate (gal/min)
0.	57.4	1440.	0.

OBSERVATION WELL DATA

No. of observation wells: 1

Observation Well No. 1: MW33

X Location: 2098. ft
Y Location: 2171. ft

Radial distance from BM 1B: 1647.752712 ft
Radial distance from BM2A: 1394.77059 ft
Radial distance from BM3: 2045.674705 ft
Radial distance from BM 4 : 1838.79988 ft
Radial distance from BM5: 1647.62253 ft
Radial distance from BM 6: 1384.347139 ft
Radial distance from BM7: 1082.809771 ft
Radial distance from BM9: 698.7331393 ft

Fully Penetrating Well

No. of Observations: 2910

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1.	0.01705	1456.	10.1
2.	-0.004646	1457.	10.1
3.	-0.00761	1458.	10.06
4.	-0.03012	1459.	10.06
5.	-0.0109	1460.	10.05
6.	0.004548	1461.	10.03
7.	-0.003383	1462.	10.01
8.	-0.02579	1463.	10.04
9.	0.02929	1464.	9.997
10.	-0.01474	1465.	10.03
11.	-0.03401	1466.	9.95
12.	-0.01152	1467.	9.984
13.	-0.04201	1468.	9.912
14.	-0.0049	1469.	9.95
15.	0.02326	1470.	9.905
16.	0.02242	1471.	9.94
17.	-0.000953	1472.	9.888
18.	-0.00078	1473.	9.887
19.	-0.01704	1474.	9.869
20.	0.008477	1475.	9.871
21.	-0.004806	1476.	9.805
22.	0.02086	1477.	9.79
23.	-0.01424	1478.	9.812
24.	0.03183	1479.	9.749
25.	0.01255	1480.	9.736
26.	-0.01543	1481.	9.736
27.	-0.02579	1482.	9.711
28.	0.00724	1483.	9.702
29.	-0.01424	1484.	9.724
30.	-0.01906	1485.	9.665
31.	0.02349	1486.	9.639
32.	0.01399	1487.	9.644

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
33.	0.01316	1488.	9.583
34.	0.00501	1489.	9.604
35.	-0.005305	1490.	9.592
36.	0.02644	1491.	9.571
37.	0.02015	1492.	9.554
38.	0.00999	1493.	9.522
39.	0.04946	1494.	9.5
40.	0.02596	1495.	9.431
41.	0.04492	1496.	9.491
42.	0.0346	1497.	9.446
43.	0.05164	1498.	9.417
44.	0.06678	1499.	9.396
45.	0.04971	1500.	9.379
46.	0.07414	1501.	9.361
47.	0.04467	1502.	9.385
48.	0.06944	1503.	9.362
49.	0.1089	1504.	9.353
50.	0.08738	1505.	9.325
51.	0.09867	1506.	9.275
52.	0.1043	1507.	9.248
53.	0.1573	1508.	9.286
54.	0.1783	1509.	9.279
55.	0.1765	1510.	9.199
56.	0.1739	1511.	9.181
57.	0.1933	1512.	9.18
58.	0.1928	1513.	9.169
59.	0.2206	1514.	9.168
60.	0.2555	1515.	9.155
61.	0.2808	1516.	9.08
62.	0.2898	1517.	9.085
63.	0.3386	1518.	9.09
64.	0.3388	1519.	9.068
65.	0.3355	1520.	9.085
66.	0.3416	1521.	9.021
67.	0.4043	1522.	8.992
68.	0.3902	1523.	8.998
69.	0.4775	1524.	8.952
70.	0.4706	1525.	8.969
71.	0.461	1526.	8.931
72.	0.554	1527.	8.891
73.	0.5277	1528.	8.925
74.	0.5304	1529.	8.902
75.	0.5755	1530.	8.83
76.	0.5918	1531.	8.879
77.	0.6211	1532.	8.791
78.	0.6442	1533.	8.812
79.	0.7006	1534.	8.814
80.	0.7138	1535.	8.809
81.	0.7298	1536.	8.779
82.	0.7273	1537.	8.773
83.	0.7778	1538.	8.742
84.	0.8133	1539.	8.74
85.	0.7927	1540.	8.778
86.	0.8329	1541.	8.716
87.	0.8511	1542.	8.666
88.	0.896	1543.	8.639
89.	0.9226	1544.	8.671
90.	0.9387	1545.	8.608
91.	0.9505	1546.	8.632
92.	0.9968	1547.	8.622
93.	1.011	1548.	8.616
94.	1.012	1549.	8.532
95.	1.026	1550.	8.565
96.	1.052	1551.	8.528
97.	1.104	1552.	8.498
98.	1.084	1553.	8.512

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
99.	1.143	1554.	8.472
100.	1.202	1555.	8.483
101.	1.168	1556.	8.405
102.	1.177	1557.	8.448
103.	1.213	1558.	8.442
104.	1.222	1559.	8.453
105.	1.282	1560.	8.403
106.	1.251	1561.	8.362
107.	1.287	1562.	8.347
108.	1.363	1563.	8.369
109.	1.342	1564.	8.4
110.	1.372	1565.	8.353
111.	1.414	1566.	8.349
112.	1.43	1567.	8.316
113.	1.442	1568.	8.285
114.	1.438	1569.	8.282
115.	1.449	1570.	8.261
116.	1.484	1571.	8.248
117.	1.514	1572.	8.231
118.	1.502	1573.	8.25
119.	1.565	1574.	8.206
120.	1.597	1575.	8.189
121.	1.645	1576.	8.171
122.	1.603	1577.	8.147
123.	1.632	1578.	8.116
124.	1.674	1579.	8.132
125.	1.703	1580.	8.132
126.	1.734	1581.	8.106
127.	1.708	1582.	8.054
128.	1.745	1583.	8.036
129.	1.766	1584.	8.053
130.	1.837	1585.	8.053
131.	1.824	1586.	8.056
132.	1.815	1587.	8.035
133.	1.82	1588.	8.021
134.	1.885	1589.	7.962
135.	1.886	1590.	7.971
136.	1.901	1591.	7.961
137.	1.904	1592.	7.954
138.	1.932	1593.	7.952
139.	1.941	1594.	7.893
140.	1.977	1595.	7.914
141.	2.007	1596.	7.922
142.	1.985	1597.	7.856
143.	2.017	1598.	7.851
144.	2.076	1599.	7.889
145.	2.076	1600.	7.868
146.	2.088	1601.	7.85
147.	2.103	1602.	7.832
148.	2.162	1603.	7.828
149.	2.151	1604.	7.759
150.	2.158	1605.	7.777
151.	2.179	1606.	7.782
152.	2.201	1607.	7.759
153.	2.208	1608.	7.769
154.	2.217	1609.	7.73
155.	2.242	1610.	7.718
156.	2.239	1611.	7.727
157.	2.3	1612.	7.701
158.	2.282	1613.	7.701
159.	2.326	1614.	7.666
160.	2.313	1615.	7.668
161.	2.371	1616.	7.626
162.	2.377	1617.	7.646
163.	2.409	1618.	7.641
164.	2.418	1619.	7.609

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
165.	2.432	1620.	7.608
166.	2.452	1621.	7.58
167.	2.483	1622.	7.593
168.	2.491	1623.	7.582
169.	2.509	1624.	7.552
170.	2.498	1625.	7.541
171.	2.503	1626.	7.561
172.	2.547	1627.	7.525
173.	2.555	1628.	7.519
174.	2.599	1629.	7.499
175.	2.597	1630.	7.526
176.	2.594	1631.	7.501
177.	2.642	1632.	7.475
178.	2.668	1633.	7.438
179.	2.698	1634.	7.502
180.	2.653	1635.	7.468
181.	2.705	1636.	7.398
182.	2.722	1637.	7.45
183.	2.773	1638.	7.415
184.	2.718	1639.	7.364
185.	2.76	1640.	7.338
186.	2.773	1641.	7.35
187.	2.816	1642.	7.347
188.	2.816	1643.	7.336
189.	2.861	1644.	7.329
190.	2.836	1645.	7.321
191.	2.881	1646.	7.288
192.	2.862	1647.	7.31
193.	2.906	1648.	7.301
194.	2.897	1649.	7.325
195.	2.911	1650.	7.266
196.	2.938	1651.	7.24
197.	2.949	1652.	7.234
198.	3.003	1653.	7.228
199.	2.99	1654.	7.197
200.	2.992	1655.	7.238
201.	2.995	1656.	7.216
202.	3.042	1657.	7.196
203.	3.044	1658.	7.196
204.	3.089	1659.	7.163
205.	3.063	1660.	7.168
206.	3.099	1661.	7.184
207.	3.12	1662.	7.178
208.	3.138	1663.	7.124
209.	3.149	1664.	7.145
210.	3.148	1665.	7.105
211.	3.178	1666.	7.101
212.	3.162	1667.	7.123
213.	3.205	1668.	7.129
214.	3.21	1669.	7.068
215.	3.253	1670.	7.072
216.	3.25	1671.	7.032
217.	3.265	1672.	7.054
218.	3.227	1673.	7.012
219.	3.257	1674.	7.02
220.	3.311	1675.	6.992
221.	3.328	1676.	6.999
222.	3.3	1677.	6.974
223.	3.337	1678.	7.003
224.	3.361	1679.	7.007
225.	3.352	1680.	6.973
226.	3.375	1681.	6.943
227.	3.37	1682.	6.969
228.	3.428	1683.	6.925
229.	3.426	1684.	6.965
230.	3.421	1685.	6.909

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
231.	3.447	1686.	6.903
232.	3.491	1687.	6.941
233.	3.494	1688.	6.893
234.	3.483	1689.	6.909
235.	3.481	1690.	6.843
236.	3.535	1691.	6.866
237.	3.54	1692.	6.862
238.	3.535	1693.	6.846
239.	3.501	1694.	6.843
240.	3.612	1695.	6.835
241.	3.585	1696.	6.804
242.	3.61	1697.	6.802
243.	3.622	1698.	6.753
244.	3.63	1699.	6.766
245.	3.628	1700.	6.756
246.	3.616	1701.	6.754
247.	3.66	1702.	6.755
248.	3.678	1703.	6.776
249.	3.686	1704.	6.735
250.	3.698	1705.	6.684
251.	3.669	1706.	6.712
252.	3.729	1707.	6.677
253.	3.703	1708.	6.685
254.	3.734	1709.	6.687
255.	3.761	1710.	6.682
256.	3.801	1711.	6.666
257.	3.795	1712.	6.708
258.	3.793	1713.	6.647
259.	3.808	1714.	6.621
260.	3.833	1715.	6.633
261.	3.859	1716.	6.603
262.	3.836	1717.	6.661
263.	3.873	1718.	6.643
264.	3.874	1719.	6.605
265.	3.896	1720.	6.622
266.	3.916	1721.	6.576
267.	3.888	1722.	6.563
268.	3.93	1723.	6.577
269.	3.896	1724.	6.551
270.	3.931	1725.	6.57
271.	3.981	1726.	6.546
272.	3.998	1727.	6.512
273.	3.941	1728.	6.501
274.	4.004	1729.	6.547
275.	4.013	1730.	6.462
276.	4.011	1731.	6.516
277.	4.023	1732.	6.495
278.	4.03	1733.	6.478
279.	4.066	1734.	6.489
280.	4.071	1735.	6.469
281.	4.093	1736.	6.467
282.	4.059	1737.	6.45
283.	4.112	1738.	6.448
284.	4.141	1739.	6.419
285.	4.094	1740.	6.426
286.	4.149	1741.	6.393
287.	4.165	1742.	6.384
288.	4.156	1743.	6.393
289.	4.198	1744.	6.401
290.	4.186	1745.	6.367
291.	4.213	1746.	6.403
292.	4.213	1747.	6.412
293.	4.223	1748.	6.323
294.	4.241	1749.	6.374
295.	4.251	1750.	6.35
296.	4.271	1751.	6.357

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
297.	4.252	1752.	6.355
298.	4.252	1753.	6.32
299.	4.287	1754.	6.326
300.	4.284	1755.	6.344
301.	4.269	1756.	6.28
302.	4.276	1757.	6.282
303.	4.325	1758.	6.288
304.	4.349	1759.	6.274
305.	4.362	1760.	6.262
306.	4.36	1761.	6.255
307.	4.38	1762.	6.237
308.	4.352	1763.	6.249
309.	4.393	1764.	6.214
310.	4.453	1765.	6.244
311.	4.39	1766.	6.222
312.	4.428	1767.	6.202
313.	4.48	1768.	6.187
314.	4.432	1769.	6.21
315.	4.45	1770.	6.167
316.	4.449	1771.	6.164
317.	4.472	1772.	6.145
318.	4.461	1773.	6.143
319.	4.456	1774.	6.171
320.	4.506	1775.	6.15
321.	4.527	1776.	6.154
322.	4.549	1777.	6.147
323.	4.523	1778.	6.094
324.	4.541	1779.	6.109
325.	4.571	1780.	6.103
326.	4.562	1781.	6.09
327.	4.6	1782.	6.085
328.	4.599	1783.	6.134
329.	4.605	1784.	6.092
330.	4.613	1785.	6.083
331.	4.625	1786.	6.076
332.	4.616	1787.	6.041
333.	4.631	1788.	6.05
334.	4.662	1789.	6.042
335.	4.661	1790.	6.033
336.	4.66	1791.	5.999
337.	4.676	1792.	6.033
338.	4.686	1793.	6.011
339.	4.705	1794.	6.019
340.	4.696	1795.	5.995
341.	4.681	1796.	5.966
342.	4.72	1797.	5.995
343.	4.722	1798.	5.981
344.	4.782	1799.	5.969
345.	4.757	1800.	5.963
346.	4.8	1801.	5.95
347.	4.762	1802.	5.949
348.	4.758	1803.	5.94
349.	4.831	1804.	5.95
350.	4.761	1805.	5.878
351.	4.846	1806.	5.885
352.	4.836	1807.	5.917
353.	4.769	1808.	5.901
354.	4.825	1809.	5.878
355.	4.855	1810.	5.919
356.	4.835	1811.	5.881
357.	4.874	1812.	5.875
358.	4.912	1813.	5.84
359.	4.888	1814.	5.881
360.	4.862	1815.	5.865
361.	4.918	1816.	5.841
362.	4.885	1817.	5.846

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
363.	4.888	1818.	5.837
364.	4.919	1819.	5.842
365.	4.928	1820.	5.833
366.	4.961	1821.	5.845
367.	4.94	1822.	5.794
368.	4.906	1823.	5.778
369.	4.979	1824.	5.843
370.	4.949	1825.	5.769
371.	4.917	1826.	5.754
372.	4.964	1827.	5.758
373.	4.951	1828.	5.779
374.	4.961	1829.	5.786
375.	4.93	1830.	5.755
376.	4.996	1831.	5.733
377.	5.003	1832.	5.747
378.	5.009	1833.	5.737
379.	4.978	1834.	5.749
380.	4.998	1835.	5.696
381.	4.974	1836.	5.719
382.	5.002	1837.	5.73
383.	4.985	1838.	5.721
384.	5.01	1839.	5.685
385.	5.012	1840.	5.682
386.	5.034	1841.	5.696
387.	5.003	1842.	5.713
388.	5.052	1843.	5.642
389.	5.076	1844.	5.671
390.	5.009	1845.	5.655
391.	5.046	1846.	5.65
392.	5.058	1847.	5.649
393.	5.045	1848.	5.671
394.	5.064	1849.	5.622
395.	5.073	1850.	5.626
396.	5.076	1851.	5.6
397.	5.082	1852.	5.616
398.	5.102	1853.	5.619
399.	5.099	1854.	5.609
400.	5.135	1855.	5.582
401.	5.127	1856.	5.582
402.	5.093	1857.	5.59
403.	5.148	1858.	5.561
404.	5.085	1859.	5.569
405.	5.139	1860.	5.585
406.	5.158	1861.	5.594
407.	5.141	1862.	5.543
408.	5.162	1863.	5.565
409.	5.143	1864.	5.515
410.	5.196	1865.	5.531
411.	5.192	1866.	5.536
412.	5.195	1867.	5.537
413.	5.22	1868.	5.505
414.	5.187	1869.	5.515
415.	5.192	1870.	5.496
416.	5.241	1871.	5.523
417.	5.218	1872.	5.518
418.	5.283	1873.	5.516
419.	5.262	1874.	5.523
420.	5.258	1875.	5.447
421.	5.323	1876.	5.485
422.	5.283	1877.	5.501
423.	5.303	1878.	5.462
424.	5.285	1879.	5.458
425.	5.303	1880.	5.442
426.	5.332	1881.	5.424
427.	5.314	1882.	5.443
428.	5.346	1883.	5.452

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
429.	5.296	1884.	5.408
430.	5.345	1885.	5.429
431.	5.371	1886.	5.415
432.	5.398	1887.	5.399
433.	5.356	1888.	5.386
434.	5.372	1889.	5.411
435.	5.384	1890.	5.381
436.	5.404	1891.	5.39
437.	5.408	1892.	5.407
438.	5.443	1893.	5.386
439.	5.455	1894.	5.363
440.	5.456	1895.	5.366
441.	5.434	1896.	5.311
442.	5.46	1897.	5.383
443.	5.455	1898.	5.365
444.	5.444	1899.	5.346
445.	5.493	1900.	5.312
446.	5.491	1901.	5.344
447.	5.531	1902.	5.33
448.	5.465	1903.	5.35
449.	5.538	1904.	5.307
450.	5.507	1905.	5.28
451.	5.482	1906.	5.296
452.	5.563	1907.	5.286
453.	5.575	1908.	5.257
454.	5.562	1909.	5.303
455.	5.573	1910.	5.305
456.	5.576	1911.	5.283
457.	5.591	1912.	5.277
458.	5.566	1913.	5.264
459.	5.595	1914.	5.255
460.	5.598	1915.	5.246
461.	5.641	1916.	5.222
462.	5.6	1917.	5.235
463.	5.67	1918.	5.25
464.	5.679	1919.	5.176
465.	5.627	1920.	5.209
466.	5.67	1921.	5.209
467.	5.688	1922.	5.212
468.	5.675	1923.	5.237
469.	5.664	1924.	5.213
470.	5.714	1925.	5.206
471.	5.72	1926.	5.204
472.	5.684	1927.	5.193
473.	5.7	1928.	5.18
474.	5.728	1929.	5.187
475.	5.735	1930.	5.144
476.	5.725	1931.	5.199
477.	5.72	1932.	5.171
478.	5.722	1933.	5.143
479.	5.795	1934.	5.154
480.	5.761	1935.	5.147
481.	5.794	1936.	5.136
482.	5.81	1937.	5.105
483.	5.79	1938.	5.151
484.	5.835	1939.	5.093
485.	5.82	1940.	5.113
486.	5.822	1941.	5.087
487.	5.799	1942.	5.118
488.	5.852	1943.	5.072
489.	5.835	1944.	5.091
490.	5.841	1945.	5.107
491.	5.87	1946.	5.119
492.	5.857	1947.	5.067
493.	5.878	1948.	5.078
494.	5.852	1949.	5.11

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
495.	5.883	1950.	5.079
496.	5.929	1951.	5.072
497.	5.946	1952.	5.076
498.	5.918	1953.	5.083
499.	5.916	1954.	5.084
500.	5.974	1955.	5.077
501.	5.943	1956.	5.014
502.	5.944	1957.	5.051
503.	5.93	1958.	5.037
504.	5.974	1959.	5.006
505.	5.981	1960.	4.987
506.	5.985	1961.	5.038
507.	5.981	1962.	4.986
508.	6.008	1963.	5.024
509.	6.013	1964.	5.003
510.	5.945	1965.	4.955
511.	5.974	1966.	4.985
512.	6.046	1967.	4.962
513.	6.016	1968.	4.965
514.	6.053	1969.	4.963
515.	6.058	1970.	4.974
516.	6.041	1971.	4.975
517.	6.088	1972.	4.96
518.	6.083	1973.	4.925
519.	6.067	1974.	4.966
520.	6.078	1975.	4.959
521.	6.093	1976.	4.989
522.	6.074	1977.	4.928
523.	6.115	1978.	4.959
524.	6.078	1979.	4.942
525.	6.126	1980.	4.95
526.	6.113	1981.	4.927
527.	6.088	1982.	4.902
528.	6.127	1983.	4.931
529.	6.171	1984.	4.945
530.	6.158	1985.	4.9
531.	6.143	1986.	4.915
532.	6.186	1987.	4.905
533.	6.157	1988.	4.929
534.	6.198	1989.	4.862
535.	6.15	1990.	4.85
536.	6.172	1991.	4.858
537.	6.191	1992.	4.864
538.	6.187	1993.	4.811
539.	6.231	1994.	4.859
540.	6.219	1995.	4.879
541.	6.211	1996.	4.87
542.	6.218	1997.	4.859
543.	6.204	1998.	4.818
544.	6.223	1999.	4.828
545.	6.243	2000.	4.79
546.	6.278	2001.	4.813
547.	6.256	2002.	4.794
548.	6.289	2003.	4.825
549.	6.3	2004.	4.8
550.	6.262	2005.	4.816
551.	6.33	2006.	4.803
552.	6.326	2007.	4.8
553.	6.287	2008.	4.782
554.	6.316	2009.	4.803
555.	6.344	2010.	4.807
556.	6.339	2011.	4.756
557.	6.316	2012.	4.745
558.	6.343	2013.	4.751
559.	6.339	2014.	4.75
560.	6.329	2015.	4.764

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
561.	6.37	2016.	4.778
562.	6.334	2017.	4.757
563.	6.373	2018.	4.756
564.	6.388	2019.	4.748
565.	6.423	2020.	4.716
566.	6.373	2021.	4.775
567.	6.407	2022.	4.721
568.	6.411	2023.	4.745
569.	6.415	2024.	4.661
570.	6.416	2025.	4.704
571.	6.449	2026.	4.716
572.	6.445	2027.	4.669
573.	6.425	2028.	4.682
574.	6.482	2029.	4.699
575.	6.462	2030.	4.688
576.	6.44	2031.	4.681
577.	6.457	2032.	4.689
578.	6.477	2033.	4.655
579.	6.501	2034.	4.691
580.	6.515	2035.	4.688
581.	6.493	2036.	4.671
582.	6.503	2037.	4.695
583.	6.509	2038.	4.685
584.	6.515	2039.	4.641
585.	6.523	2040.	4.633
586.	6.551	2041.	4.659
587.	6.502	2042.	4.633
588.	6.56	2043.	4.619
589.	6.539	2044.	4.632
590.	6.536	2045.	4.629
591.	6.591	2046.	4.628
592.	6.571	2047.	4.596
593.	6.564	2048.	4.623
594.	6.55	2049.	4.642
595.	6.542	2050.	4.631
596.	6.585	2051.	4.619
597.	6.567	2052.	4.628
598.	6.603	2053.	4.616
599.	6.629	2054.	4.591
600.	6.601	2055.	4.592
601.	6.64	2056.	4.601
602.	6.64	2057.	4.548
603.	6.661	2058.	4.55
604.	6.632	2059.	4.589
605.	6.669	2060.	4.554
606.	6.657	2061.	4.575
607.	6.635	2062.	4.554
608.	6.681	2063.	4.571
609.	6.685	2064.	4.529
610.	6.662	2065.	4.545
611.	6.688	2066.	4.558
612.	6.707	2067.	4.507
613.	6.71	2068.	4.526
614.	6.759	2069.	4.554
615.	6.763	2070.	4.527
616.	6.705	2071.	4.529
617.	6.715	2072.	4.516
618.	6.723	2073.	4.51
619.	6.759	2074.	4.522
620.	6.744	2075.	4.491
621.	6.736	2076.	4.521
622.	6.774	2077.	4.505
623.	6.782	2078.	4.513
624.	6.754	2079.	4.475
625.	6.733	2080.	4.522
626.	6.779	2081.	4.467

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
627.	6.802	2082.	4.469
628.	6.797	2083.	4.463
629.	6.807	2084.	4.48
630.	6.806	2085.	4.43
631.	6.831	2086.	4.464
632.	6.794	2087.	4.47
633.	6.821	2088.	4.432
634.	6.79	2089.	4.418
635.	6.808	2090.	4.468
636.	6.814	2091.	4.436
637.	6.808	2092.	4.432
638.	6.865	2093.	4.446
639.	6.83	2094.	4.417
640.	6.887	2095.	4.441
641.	6.885	2096.	4.434
642.	6.887	2097.	4.406
643.	6.843	2098.	4.418
644.	6.887	2099.	4.397
645.	6.892	2100.	4.451
646.	6.867	2101.	4.395
647.	6.908	2102.	4.373
648.	6.901	2103.	4.372
649.	6.906	2104.	4.39
650.	6.912	2105.	4.426
651.	6.926	2106.	4.407
652.	6.929	2107.	4.373
653.	6.928	2108.	4.395
654.	6.961	2109.	4.384
655.	6.962	2110.	4.372
656.	6.937	2111.	4.387
657.	6.93	2112.	4.354
658.	6.977	2113.	4.328
659.	6.97	2114.	4.376
660.	6.984	2115.	4.349
661.	6.99	2116.	4.349
662.	7.004	2117.	4.354
663.	6.981	2118.	4.343
664.	7.041	2119.	4.35
665.	7.062	2120.	4.373
666.	7.052	2121.	4.342
667.	7.02	2122.	4.316
668.	7.079	2123.	4.325
669.	7.033	2124.	4.308
670.	7.048	2125.	4.316
671.	7.057	2126.	4.308
672.	7.088	2127.	4.296
673.	7.044	2128.	4.319
674.	7.085	2129.	4.328
675.	7.061	2130.	4.298
676.	7.06	2131.	4.302
677.	7.11	2132.	4.314
678.	7.082	2133.	4.317
679.	7.112	2134.	4.314
680.	7.152	2135.	4.283
681.	7.117	2136.	4.276
682.	7.092	2137.	4.292
683.	7.103	2138.	4.307
684.	7.122	2139.	4.251
685.	7.177	2140.	4.28
686.	7.16	2141.	4.261
687.	7.138	2142.	4.29
688.	7.176	2143.	4.29
689.	7.141	2144.	4.252
690.	7.164	2145.	4.225
691.	7.155	2146.	4.273
692.	7.183	2147.	4.254

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
693.	7.219	2148.	4.242
694.	7.215	2149.	4.203
695.	7.182	2150.	4.206
696.	7.205	2151.	4.231
697.	7.183	2152.	4.242
698.	7.225	2153.	4.268
699.	7.263	2154.	4.24
700.	7.214	2155.	4.261
701.	7.238	2156.	4.216
702.	7.265	2157.	4.265
703.	7.218	2158.	4.236
704.	7.239	2159.	4.209
705.	7.247	2160.	4.178
706.	7.277	2161.	4.228
707.	7.27	2162.	4.201
708.	7.257	2163.	4.235
709.	7.256	2164.	4.182
710.	7.296	2165.	4.225
711.	7.275	2166.	4.162
712.	7.281	2167.	4.133
713.	7.295	2168.	4.159
714.	7.321	2169.	4.176
715.	7.316	2170.	4.14
716.	7.344	2171.	4.183
717.	7.34	2172.	4.169
718.	7.357	2173.	4.174
719.	7.323	2174.	4.139
720.	7.319	2175.	4.162
721.	7.361	2176.	4.185
722.	7.354	2177.	4.15
723.	7.384	2178.	4.162
724.	7.318	2179.	4.142
725.	7.368	2180.	4.192
726.	7.405	2181.	4.143
727.	7.396	2182.	4.111
728.	7.376	2183.	4.137
729.	7.401	2184.	4.147
730.	7.41	2185.	4.156
731.	7.419	2186.	4.135
732.	7.403	2187.	4.14
733.	7.413	2188.	4.103
734.	7.415	2189.	4.107
735.	7.434	2190.	4.077
736.	7.432	2191.	4.14
737.	7.38	2192.	4.137
738.	7.46	2193.	4.136
739.	7.403	2194.	4.136
740.	7.447	2195.	4.115
741.	7.472	2196.	4.115
742.	7.515	2197.	4.14
743.	7.495	2198.	4.109
744.	7.455	2199.	4.076
745.	7.477	2200.	4.088
746.	7.499	2201.	4.097
747.	7.492	2202.	4.074
748.	7.507	2203.	4.078
749.	7.535	2204.	4.076
750.	7.518	2205.	4.093
751.	7.509	2206.	4.072
752.	7.547	2207.	4.031
753.	7.553	2208.	4.075
754.	7.538	2209.	4.046
755.	7.548	2210.	4.086
756.	7.55	2211.	4.052
757.	7.529	2212.	4.054
758.	7.539	2213.	4.031

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
759.	7.523	2214.	4.038
760.	7.535	2215.	4.069
761.	7.575	2216.	4.023
762.	7.573	2217.	4.049
763.	7.609	2218.	4.065
764.	7.592	2219.	4.018
765.	7.607	2220.	4.045
766.	7.607	2221.	4.032
767.	7.592	2222.	4.043
768.	7.582	2223.	4.032
769.	7.654	2224.	3.999
770.	7.606	2225.	4.016
771.	7.637	2226.	4.016
772.	7.622	2227.	4.005
773.	7.631	2228.	4.065
774.	7.648	2229.	3.998
775.	7.624	2230.	3.989
776.	7.637	2231.	4.019
777.	7.658	2232.	4.035
778.	7.671	2233.	4.
779.	7.664	2234.	4.004
780.	7.661	2235.	3.969
781.	7.715	2236.	3.972
782.	7.709	2237.	3.973
783.	7.708	2238.	3.954
784.	7.711	2239.	3.976
785.	7.716	2240.	3.953
786.	7.666	2241.	3.979
787.	7.705	2242.	3.955
788.	7.719	2243.	3.968
789.	7.695	2244.	3.977
790.	7.675	2245.	3.955
791.	7.73	2246.	3.936
792.	7.712	2247.	3.945
793.	7.721	2248.	3.963
794.	7.79	2249.	3.936
795.	7.779	2250.	3.919
796.	7.791	2251.	3.91
797.	7.769	2252.	3.946
798.	7.772	2253.	3.977
799.	7.754	2254.	3.953
800.	7.811	2255.	3.937
801.	7.74	2256.	3.936
802.	7.781	2257.	3.953
803.	7.811	2258.	3.939
804.	7.836	2259.	3.936
805.	7.765	2260.	3.911
806.	7.827	2261.	3.92
807.	7.799	2262.	3.906
808.	7.797	2263.	3.921
809.	7.868	2264.	3.908
810.	7.851	2265.	3.915
811.	7.819	2266.	3.925
812.	7.823	2267.	3.908
813.	7.841	2268.	3.899
814.	7.841	2269.	3.859
815.	7.876	2270.	3.879
816.	7.841	2271.	3.894
817.	7.872	2272.	3.893
818.	7.872	2273.	3.908
819.	7.882	2274.	3.88
820.	7.913	2275.	3.879
821.	7.887	2276.	3.843
822.	7.911	2277.	3.861
823.	7.907	2278.	3.851
824.	7.869	2279.	3.911

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
825.	7.907	2280.	3.854
826.	7.92	2281.	3.875
827.	7.91	2282.	3.909
828.	7.936	2283.	3.831
829.	7.961	2284.	3.844
830.	7.95	2285.	3.842
831.	7.929	2286.	3.868
832.	7.951	2287.	3.853
833.	7.948	2288.	3.87
834.	7.94	2289.	3.851
835.	7.932	2290.	3.824
836.	7.946	2291.	3.845
837.	7.954	2292.	3.827
838.	8.004	2293.	3.846
839.	7.978	2294.	3.848
840.	7.995	2295.	3.832
841.	7.984	2296.	3.818
842.	7.978	2297.	3.832
843.	7.999	2298.	3.844
844.	7.975	2299.	3.801
845.	7.977	2300.	3.863
846.	8.011	2301.	3.844
847.	8.035	2302.	3.817
848.	8.006	2303.	3.787
849.	8.046	2304.	3.796
850.	8.033	2305.	3.804
851.	8.041	2306.	3.814
852.	8.027	2307.	3.826
853.	8.048	2308.	3.766
854.	8.06	2309.	3.757
855.	8.073	2310.	3.791
856.	8.053	2311.	3.765
857.	8.066	2312.	3.779
858.	8.07	2313.	3.786
859.	8.073	2314.	3.754
860.	8.082	2315.	3.769
861.	8.046	2316.	3.762
862.	8.083	2317.	3.749
863.	8.142	2318.	3.758
864.	8.091	2319.	3.748
865.	8.108	2320.	3.755
866.	8.116	2321.	3.752
867.	8.121	2322.	3.746
868.	8.098	2323.	3.752
869.	8.159	2324.	3.729
870.	8.103	2325.	3.753
871.	8.145	2326.	3.786
872.	8.113	2327.	3.736
873.	8.112	2328.	3.745
874.	8.105	2329.	3.745
875.	8.151	2330.	3.702
876.	8.156	2331.	3.729
877.	8.159	2332.	3.755
878.	8.153	2333.	3.67
879.	8.206	2334.	3.776
880.	8.213	2335.	3.753
881.	8.172	2336.	3.718
882.	8.203	2337.	3.719
883.	8.178	2338.	3.734
884.	8.187	2339.	3.711
885.	8.187	2340.	3.757
886.	8.211	2341.	3.678
887.	8.199	2342.	3.728
888.	8.212	2343.	3.726
889.	8.189	2344.	3.729
890.	8.248	2345.	3.702

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
891.	8.218	2346.	3.681
892.	8.199	2347.	3.676
893.	8.215	2348.	3.706
894.	8.247	2349.	3.674
895.	8.241	2350.	3.636
896.	8.262	2351.	3.691
897.	8.278	2352.	3.67
898.	8.252	2353.	3.682
899.	8.274	2354.	3.703
900.	8.264	2355.	3.695
901.	8.296	2356.	3.669
902.	8.294	2357.	3.669
903.	8.282	2358.	3.69
904.	8.294	2359.	3.669
905.	8.294	2360.	3.68
906.	8.315	2361.	3.7
907.	8.333	2362.	3.654
908.	8.325	2363.	3.645
909.	8.327	2364.	3.65
910.	8.31	2365.	3.667
911.	8.363	2366.	3.652
912.	8.323	2367.	3.661
913.	8.354	2368.	3.62
914.	8.361	2369.	3.636
915.	8.334	2370.	3.626
916.	8.358	2371.	3.615
917.	8.367	2372.	3.604
918.	8.358	2373.	3.622
919.	8.382	2374.	3.613
920.	8.343	2375.	3.599
921.	8.384	2376.	3.634
922.	8.394	2377.	3.619
923.	8.386	2378.	3.598
924.	8.416	2379.	3.625
925.	8.374	2380.	3.598
926.	8.399	2381.	3.596
927.	8.386	2382.	3.648
928.	8.389	2383.	3.645
929.	8.384	2384.	3.631
930.	8.41	2385.	3.582
931.	8.391	2386.	3.598
932.	8.424	2387.	3.572
933.	8.412	2388.	3.603
934.	8.438	2389.	3.607
935.	8.443	2390.	3.567
936.	8.444	2391.	3.593
937.	8.459	2392.	3.619
938.	8.448	2393.	3.601
939.	8.441	2394.	3.614
940.	8.451	2395.	3.548
941.	8.434	2396.	3.549
942.	8.451	2397.	3.571
943.	8.445	2398.	3.548
944.	8.483	2399.	3.566
945.	8.447	2400.	3.537
946.	8.516	2401.	3.559
947.	8.488	2402.	3.572
948.	8.481	2403.	3.598
949.	8.497	2404.	3.549
950.	8.498	2405.	3.592
951.	8.473	2406.	3.546
952.	8.546	2407.	3.562
953.	8.514	2408.	3.549
954.	8.523	2409.	3.57
955.	8.524	2410.	3.517
956.	8.535	2411.	3.551

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
957.	8.531	2412.	3.502
958.	8.543	2413.	3.541
959.	8.521	2414.	3.502
960.	8.524	2415.	3.527
961.	8.524	2416.	3.533
962.	8.56	2417.	3.521
963.	8.536	2418.	3.521
964.	8.558	2419.	3.526
965.	8.568	2420.	3.54
966.	8.578	2421.	3.49
967.	8.611	2422.	3.532
968.	8.561	2423.	3.527
969.	8.55	2424.	3.491
970.	8.629	2425.	3.524
971.	8.574	2426.	3.461
972.	8.55	2427.	3.489
973.	8.662	2428.	3.467
974.	8.563	2429.	3.501
975.	8.616	2430.	3.466
976.	8.538	2431.	3.493
977.	8.612	2432.	3.495
978.	8.618	2433.	3.491
979.	8.609	2434.	3.523
980.	8.642	2435.	3.487
981.	8.639	2436.	3.517
982.	8.647	2437.	3.474
983.	8.658	2438.	3.502
984.	8.658	2439.	3.48
985.	8.668	2440.	3.491
986.	8.668	2441.	3.453
987.	8.605	2442.	3.47
988.	8.642	2443.	3.471
989.	8.647	2444.	3.425
990.	8.676	2445.	3.441
991.	8.68	2446.	3.472
992.	8.728	2447.	3.421
993.	8.684	2448.	3.443
994.	8.687	2449.	3.449
995.	8.726	2450.	3.441
996.	8.697	2451.	3.458
997.	8.7	2452.	3.44
998.	8.722	2453.	3.456
999.	8.685	2454.	3.431
1000.	8.684	2455.	3.408
1001.	8.739	2456.	3.428
1002.	8.736	2457.	3.462
1003.	8.748	2458.	3.43
1004.	8.682	2459.	3.42
1005.	8.713	2460.	3.41
1006.	8.765	2461.	3.439
1007.	8.726	2462.	3.416
1008.	8.731	2463.	3.428
1009.	8.735	2464.	3.43
1010.	8.754	2465.	3.436
1011.	8.761	2466.	3.425
1012.	8.77	2467.	3.422
1013.	8.771	2468.	3.431
1014.	8.821	2469.	3.386
1015.	8.787	2470.	3.398
1016.	8.746	2471.	3.404
1017.	8.788	2472.	3.404
1018.	8.809	2473.	3.37
1019.	8.791	2474.	3.397
1020.	8.746	2475.	3.357
1021.	8.788	2476.	3.38
1022.	8.801	2477.	3.391

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1023.	8.814	2478.	3.389
1024.	8.773	2479.	3.366
1025.	8.794	2480.	3.368
1026.	8.849	2481.	3.413
1027.	8.83	2482.	3.346
1028.	8.847	2483.	3.352
1029.	8.82	2484.	3.367
1030.	8.854	2485.	3.361
1031.	8.807	2486.	3.333
1032.	8.851	2487.	3.344
1033.	8.856	2488.	3.367
1034.	8.849	2489.	3.362
1035.	8.822	2490.	3.391
1036.	8.856	2491.	3.359
1037.	8.835	2492.	3.355
1038.	8.831	2493.	3.352
1039.	8.847	2494.	3.311
1040.	8.848	2495.	3.331
1041.	8.876	2496.	3.324
1042.	8.912	2497.	3.34
1043.	8.865	2498.	3.352
1044.	8.871	2499.	3.306
1045.	8.871	2500.	3.314
1046.	8.855	2501.	3.295
1047.	8.881	2502.	3.37
1048.	8.883	2503.	3.329
1049.	8.902	2504.	3.33
1050.	8.92	2505.	3.296
1051.	8.898	2506.	3.303
1052.	8.906	2507.	3.304
1053.	8.919	2508.	3.303
1054.	8.94	2509.	3.283
1055.	8.917	2510.	3.309
1056.	8.949	2511.	3.298
1057.	8.95	2512.	3.289
1058.	8.937	2513.	3.3
1059.	8.953	2514.	3.274
1060.	8.961	2515.	3.297
1061.	8.939	2516.	3.26
1062.	8.945	2517.	3.27
1063.	8.964	2518.	3.279
1064.	8.921	2519.	3.292
1065.	8.987	2520.	3.285
1066.	8.99	2521.	3.28
1067.	8.961	2522.	3.244
1068.	8.947	2523.	3.281
1069.	8.967	2524.	3.291
1070.	8.997	2525.	3.276
1071.	8.949	2526.	3.249
1072.	8.95	2527.	3.265
1073.	8.995	2528.	3.257
1074.	8.988	2529.	3.262
1075.	9.007	2530.	3.247
1076.	8.985	2531.	3.269
1077.	8.987	2532.	3.261
1078.	9.	2533.	3.254
1079.	9.022	2534.	3.269
1080.	9.01	2535.	3.247
1081.	9.021	2536.	3.217
1082.	9.046	2537.	3.23
1083.	9.042	2538.	3.224
1084.	9.065	2539.	3.232
1085.	9.031	2540.	3.271
1086.	9.033	2541.	3.229
1087.	9.042	2542.	3.278
1088.	9.05	2543.	3.228

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1089.	9.097	2544.	3.214
1090.	9.021	2545.	3.207
1091.	9.057	2546.	3.233
1092.	9.028	2547.	3.175
1093.	9.069	2548.	3.229
1094.	9.096	2549.	3.171
1095.	9.047	2550.	3.21
1096.	9.107	2551.	3.25
1097.	9.036	2552.	3.205
1098.	9.101	2553.	3.205
1099.	9.075	2554.	3.175
1100.	9.08	2555.	3.209
1101.	9.058	2556.	3.205
1102.	9.108	2557.	3.217
1103.	9.123	2558.	3.198
1104.	9.089	2559.	3.202
1105.	9.111	2560.	3.212
1106.	9.086	2561.	3.198
1107.	9.089	2562.	3.167
1108.	9.083	2563.	3.195
1109.	9.116	2564.	3.188
1110.	9.104	2565.	3.217
1111.	9.154	2566.	3.196
1112.	9.141	2567.	3.198
1113.	9.144	2568.	3.181
1114.	9.152	2569.	3.161
1115.	9.152	2570.	3.163
1116.	9.164	2571.	3.159
1117.	9.147	2572.	3.17
1118.	9.148	2573.	3.156
1119.	9.14	2574.	3.177
1120.	9.148	2575.	3.146
1121.	9.115	2576.	3.177
1122.	9.142	2577.	3.148
1123.	9.164	2578.	3.174
1124.	9.149	2579.	3.128
1125.	9.149	2580.	3.151
1126.	9.218	2581.	3.124
1127.	9.182	2582.	3.17
1128.	9.176	2583.	3.133
1129.	9.209	2584.	3.11
1130.	9.168	2585.	3.139
1131.	9.205	2586.	3.127
1132.	9.21	2587.	3.136
1133.	9.223	2588.	3.159
1134.	9.22	2589.	3.159
1135.	9.191	2590.	3.156
1136.	9.168	2591.	3.113
1137.	9.201	2592.	3.146
1138.	9.229	2593.	3.145
1139.	9.243	2594.	3.09
1140.	9.236	2595.	3.105
1141.	9.215	2596.	3.136
1142.	9.265	2597.	3.105
1143.	9.243	2598.	3.115
1144.	9.239	2599.	3.106
1145.	9.238	2600.	3.088
1146.	9.239	2601.	3.072
1147.	9.256	2602.	3.077
1148.	9.243	2603.	3.1
1149.	9.239	2604.	3.088
1150.	9.272	2605.	3.117
1151.	9.272	2606.	3.052
1152.	9.286	2607.	3.108
1153.	9.319	2608.	3.065
1154.	9.286	2609.	3.115

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1155.	9.261	2610.	3.062
1156.	9.274	2611.	3.1
1157.	9.263	2612.	3.084
1158.	9.262	2613.	3.047
1159.	9.275	2614.	3.05
1160.	9.318	2615.	3.052
1161.	9.319	2616.	3.073
1162.	9.291	2617.	3.072
1163.	9.317	2618.	3.046
1164.	9.309	2619.	3.046
1165.	9.319	2620.	3.088
1166.	9.278	2621.	3.05
1167.	9.301	2622.	3.072
1168.	9.321	2623.	3.082
1169.	9.341	2624.	3.032
1170.	9.358	2625.	3.024
1171.	9.315	2626.	3.017
1172.	9.337	2627.	3.085
1173.	9.339	2628.	3.006
1174.	9.338	2629.	3.064
1175.	9.348	2630.	3.075
1176.	9.362	2631.	3.041
1177.	9.368	2632.	3.051
1178.	9.333	2633.	3.059
1179.	9.312	2634.	3.07
1180.	9.367	2635.	3.042
1181.	9.384	2636.	3.071
1182.	9.335	2637.	3.016
1183.	9.384	2638.	3.002
1184.	9.367	2639.	3.009
1185.	9.372	2640.	3.015
1186.	9.374	2641.	3.01
1187.	9.353	2642.	3.012
1188.	9.4	2643.	3.071
1189.	9.353	2644.	3.009
1190.	9.354	2645.	3.031
1191.	9.434	2646.	2.996
1192.	9.364	2647.	2.958
1193.	9.353	2648.	2.954
1194.	9.399	2649.	3.003
1195.	9.429	2650.	3.027
1196.	9.399	2651.	2.934
1197.	9.367	2652.	3.018
1198.	9.406	2653.	3.013
1199.	9.41	2654.	2.983
1200.	9.409	2655.	2.996
1201.	9.402	2656.	2.97
1202.	9.44	2657.	2.984
1203.	9.446	2658.	2.96
1204.	9.464	2659.	3.011
1205.	9.452	2660.	2.99
1206.	9.406	2661.	2.974
1207.	9.407	2662.	2.999
1208.	9.412	2663.	2.982
1209.	9.452	2664.	3.003
1210.	9.473	2665.	2.996
1211.	9.468	2666.	2.928
1212.	9.465	2667.	2.969
1213.	9.447	2668.	2.975
1214.	9.503	2669.	2.987
1215.	9.455	2670.	2.932
1216.	9.455	2671.	2.963
1217.	9.469	2672.	2.933
1218.	9.483	2673.	2.96
1219.	9.476	2674.	2.969
1220.	9.474	2675.	2.906

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1221.	9.486	2676.	2.954
1222.	9.473	2677.	2.928
1223.	9.466	2678.	2.946
1224.	9.502	2679.	2.91
1225.	9.54	2680.	2.937
1226.	9.499	2681.	2.929
1227.	9.494	2682.	2.937
1228.	9.468	2683.	2.922
1229.	9.486	2684.	2.935
1230.	9.502	2685.	2.941
1231.	9.508	2686.	2.952
1232.	9.482	2687.	2.92
1233.	9.502	2688.	2.911
1234.	9.511	2689.	2.932
1235.	9.469	2690.	2.921
1236.	9.532	2691.	2.912
1237.	9.525	2692.	2.926
1238.	9.474	2693.	2.93
1239.	9.51	2694.	2.911
1240.	9.498	2695.	2.938
1241.	9.522	2696.	2.932
1242.	9.523	2697.	2.895
1243.	9.52	2698.	2.883
1244.	9.5	2699.	2.918
1245.	9.523	2700.	2.916
1246.	9.535	2701.	2.923
1247.	9.547	2702.	2.872
1248.	9.508	2703.	2.854
1249.	9.53	2704.	2.868
1250.	9.551	2705.	2.922
1251.	9.546	2706.	2.875
1252.	9.522	2707.	2.884
1253.	9.52	2708.	2.901
1254.	9.515	2709.	2.895
1255.	9.536	2710.	2.894
1256.	9.543	2711.	2.896
1257.	9.538	2712.	2.879
1258.	9.5	2713.	2.898
1259.	9.544	2714.	2.911
1260.	9.533	2715.	2.842
1261.	9.566	2716.	2.877
1262.	9.605	2717.	2.866
1263.	9.549	2718.	2.866
1264.	9.569	2719.	2.885
1265.	9.561	2720.	2.828
1266.	9.589	2721.	2.846
1267.	9.554	2722.	2.852
1268.	9.594	2723.	2.853
1269.	9.548	2724.	2.833
1270.	9.578	2725.	2.842
1271.	9.594	2726.	2.849
1272.	9.59	2727.	2.843
1273.	9.569	2728.	2.876
1274.	9.581	2729.	2.879
1275.	9.575	2730.	2.827
1276.	9.616	2731.	2.831
1277.	9.605	2732.	2.833
1278.	9.612	2733.	2.819
1279.	9.561	2734.	2.802
1280.	9.623	2735.	2.833
1281.	9.641	2736.	2.832
1282.	9.637	2737.	2.854
1283.	9.627	2738.	2.86
1284.	9.62	2739.	2.818
1285.	9.592	2740.	2.804
1286.	9.616	2741.	2.837

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1287.	9.62	2742.	2.813
1288.	9.649	2743.	2.833
1289.	9.614	2744.	2.826
1290.	9.613	2745.	2.821
1291.	9.665	2746.	2.866
1292.	9.632	2747.	2.846
1293.	9.634	2748.	2.804
1294.	9.643	2749.	2.82
1295.	9.66	2750.	2.824
1296.	9.645	2751.	2.796
1297.	9.68	2752.	2.79
1298.	9.632	2753.	2.757
1299.	9.637	2754.	2.774
1300.	9.597	2755.	2.831
1301.	9.684	2756.	2.802
1302.	9.651	2757.	2.79
1303.	9.657	2758.	2.78
1304.	9.684	2759.	2.791
1305.	9.682	2760.	2.802
1306.	9.658	2761.	2.819
1307.	9.674	2762.	2.8
1308.	9.639	2763.	2.771
1309.	9.669	2764.	2.803
1310.	9.682	2765.	2.762
1311.	9.707	2766.	2.78
1312.	9.705	2767.	2.779
1313.	9.684	2768.	2.743
1314.	9.715	2769.	2.787
1315.	9.715	2770.	2.801
1316.	9.708	2771.	2.735
1317.	9.685	2772.	2.782
1318.	9.74	2773.	2.778
1319.	9.672	2774.	2.762
1320.	9.716	2775.	2.758
1321.	9.727	2776.	2.764
1322.	9.699	2777.	2.735
1323.	9.747	2778.	2.768
1324.	9.741	2779.	2.771
1325.	9.705	2780.	2.723
1326.	9.722	2781.	2.747
1327.	9.748	2782.	2.776
1328.	9.742	2783.	2.755
1329.	9.738	2784.	2.774
1330.	9.768	2785.	2.734
1331.	9.757	2786.	2.766
1332.	9.731	2787.	2.729
1333.	9.743	2788.	2.764
1334.	9.785	2789.	2.714
1335.	9.744	2790.	2.704
1336.	9.784	2791.	2.716
1337.	9.771	2792.	2.746
1338.	9.765	2793.	2.709
1339.	9.794	2794.	2.721
1340.	9.754	2795.	2.707
1341.	9.778	2796.	2.718
1342.	9.775	2797.	2.714
1343.	9.793	2798.	2.702
1344.	9.813	2799.	2.738
1345.	9.806	2800.	2.716
1346.	9.789	2801.	2.72
1347.	9.78	2802.	2.698
1348.	9.814	2803.	2.746
1349.	9.81	2804.	2.738
1350.	9.806	2805.	2.679
1351.	9.781	2806.	2.667
1352.	9.87	2807.	2.712

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1353.	9.789	2808.	2.712
1354.	9.802	2809.	2.704
1355.	9.823	2810.	2.715
1356.	9.822	2811.	2.665
1357.	9.797	2812.	2.668
1358.	9.829	2813.	2.717
1359.	9.813	2814.	2.684
1360.	9.811	2815.	2.662
1361.	9.89	2816.	2.673
1362.	9.8	2817.	2.662
1363.	9.816	2818.	2.662
1364.	9.857	2819.	2.668
1365.	9.865	2820.	2.728
1366.	9.869	2821.	2.641
1367.	9.852	2822.	2.688
1368.	9.803	2823.	2.689
1369.	9.888	2824.	2.713
1370.	9.835	2825.	2.684
1371.	9.925	2826.	2.659
1372.	9.884	2827.	2.66
1373.	9.883	2828.	2.662
1374.	9.879	2829.	2.675
1375.	9.858	2830.	2.66
1376.	9.899	2831.	2.667
1377.	9.892	2832.	2.658
1378.	9.889	2833.	2.658
1379.	9.872	2834.	2.678
1380.	9.93	2835.	2.684
1381.	9.889	2836.	2.689
1382.	9.929	2837.	2.651
1383.	9.937	2838.	2.662
1384.	9.933	2839.	2.637
1385.	9.921	2840.	2.664
1386.	9.909	2841.	2.669
1387.	9.921	2842.	2.663
1388.	9.931	2843.	2.66
1389.	9.902	2844.	2.662
1390.	9.932	2845.	2.687
1391.	9.93	2846.	2.627
1392.	9.929	2847.	2.627
1393.	9.932	2848.	2.685
1394.	9.922	2849.	2.689
1395.	9.95	2850.	2.658
1396.	9.953	2851.	2.665
1397.	10.	2852.	2.625
1398.	9.934	2853.	2.638
1399.	9.975	2854.	2.639
1400.	9.979	2855.	2.646
1401.	9.95	2856.	2.644
1402.	9.986	2857.	2.641
1403.	9.96	2858.	2.581
1404.	9.979	2859.	2.632
1405.	10.03	2860.	2.619
1406.	9.94	2861.	2.636
1407.	9.991	2862.	2.655
1408.	10.01	2863.	2.613
1409.	10.02	2864.	2.61
1410.	10.01	2865.	2.633
1411.	10.06	2866.	2.631
1412.	10.	2867.	2.608
1413.	9.991	2868.	2.604
1414.	10.02	2869.	2.583
1415.	10.02	2870.	2.595
1416.	10.01	2871.	2.602
1417.	10.03	2872.	2.597
1418.	9.988	2873.	2.618

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
1419.	9.961	2874.	2.62
1420.	10.01	2875.	2.572
1421.	10.04	2876.	2.586
1422.	10.02	2877.	2.588
1423.	10.03	2878.	2.602
1424.	10.04	2879.	2.595
1425.	10.03	2880.	2.553
1426.	10.03	2881.	2.586
1427.	10.06	2882.	2.584
1428.	10.08	2883.	2.621
1429.	10.08	2884.	2.602
1430.	10.05	2885.	2.573
1431.	10.06	2886.	2.573
1432.	10.08	2887.	2.57
1433.	10.07	2888.	2.567
1434.	10.13	2889.	2.599
1435.	10.06	2890.	2.59
1436.	10.08	2891.	2.594
1437.	10.06	2892.	2.621
1438.	10.04	2893.	2.581
1439.	10.09	2894.	2.594
1440.	10.08	2895.	2.586
1441.	10.09	2896.	2.535
1442.	10.07	2897.	2.571
1443.	10.1	2898.	2.589
1444.	10.13	2899.	2.586
1445.	10.09	2900.	2.6
1446.	10.12	2901.	2.58
1447.	10.09	2902.	2.556
1448.	10.08	2903.	2.577
1449.	10.12	2904.	2.584
1450.	10.14	2905.	2.507
1451.	10.11	2906.	2.538
1452.	10.12	2907.	2.563
1453.	10.07	2908.	2.534
1454.	10.1	2909.	2.535
1455.	10.11	2910.	2.51

SOLUTION

Pumping Test
Aquifer Model: Confined
Solution Method: Theis

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
T	1405.7	ft^2/day
S	0.0001512	
Kz/Kr	1.	
b	80.	ft

K = T/b = 17.57 ft/day (0.006199 cm/sec)
Ss = S/b = 1.89E-6 1/ft

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
T	1378.	1.231	+/- 2.414	1119.6	ft^2/day
S	0.0001744	2.527E-7	+/- 4.955E-7	690.4	
Kz/Kr	1.	not estimated			
b	80.	not estimated			ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

K = T/b = 17.22 ft/day (0.006076 cm/sec)
Ss = S/b = 2.18E-6 1/ft

Parameter Correlations

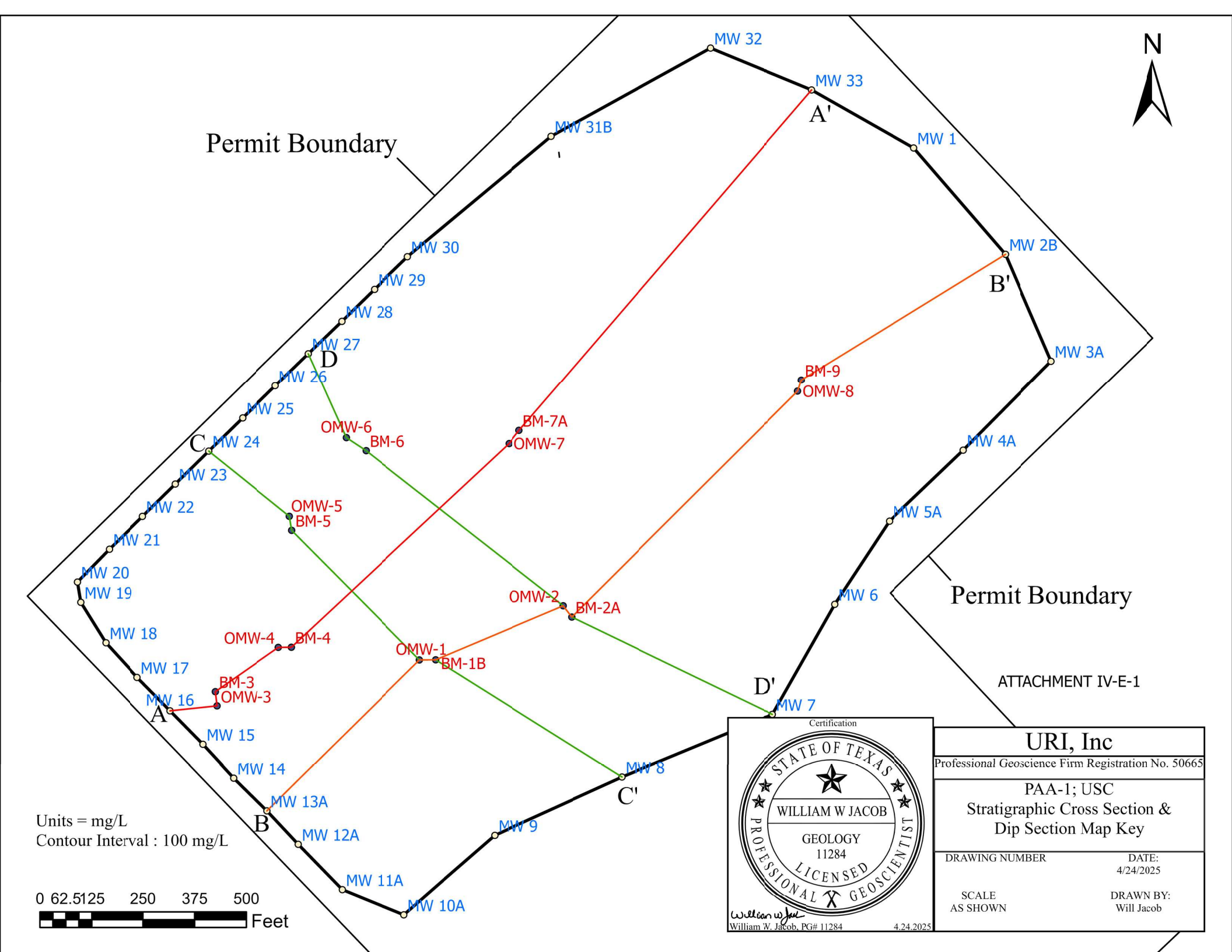
	T	S
T	1.00	-0.75
S	-0.75	1.00

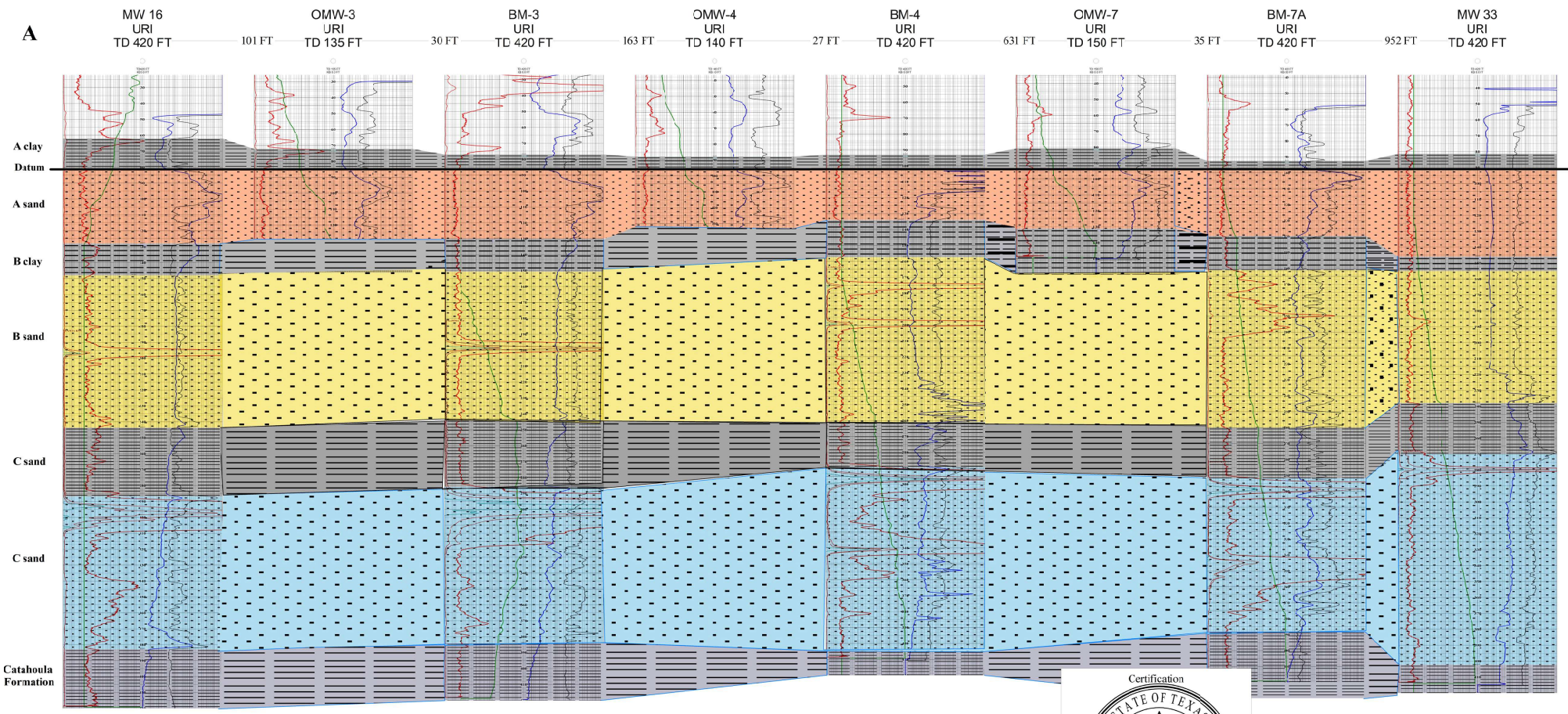
Residual Statistics

for weighted residuals

Sum of Squares . . . . . 48.96 ft^2
Variance . . . . . 0.01683 ft^2
Std. Deviation . . . . . 0.1297 ft
Mean . . . . . -0.04361 ft
No. of Residuals 2910
No. of Estimates 2

Section IV-H
Cross-Sections of Production Area


N
Permit Boundary
MW 32
MW 33
A'
MW 31B
MW 1
MW 30
MW 2B
B'
MW 29
MW 28
MW 27
D
MW 3A
MW 26
BM-9
OMW-8
MW 25
OMW-6
BM-7A
BM-6
OMW-7
C
MW 24
MW 4A
MW 23
MW 22
OMW-5
BM-5
MW 5A
MW 21
MW 20
MW 19
OMW-2
BM-2A
MW 6
Permit Boundary
MW 18
OMW-4
BM-4
OMW-1
BM-1B
MW 17
BM-3
OMW-3
MW 16
A
D'
MW 7
MW 15
MW 14
MW 8
C'
MW 13A
B
MW 12A
MW 9
MW 11A
MW 10A
Units = mg/L
Contour Interval : 100 mg/L
0 62.5125 250 375 500
Feet
ATTACHMENT IV-E-1
Certification
STATE OF TEXAS
WILLIAM W JACOB
GEOLOGY
11284
LICENSED
PROFESSIONAL GEOSCIENTIST
William W. Jacob, PG# 11284
4.24.2025
URI, Inc
Professional Geoscience Firm Registration No. 50665
PAA-1; USC
Stratigraphic Cross Section &
Dip Section Map Key
DRAWING NUMBER
DATE:
4/24/2025
SCALE
AS SHOWN
DRAWN BY:
Will Jacob



Vertical Scale
1 unit = 10'
No Horizontal Scale

Certification

STATE OF TEXAS
WILLIAM W JACOB
GEOLOGY
11284
LICENSED
PROFESSIONAL GEOSCIENTIST

William W Jacob PG# 11284 4/28/25

ATTACHMENT IV-H-1

Initial Application UR03095PAA1 Upper Spring Creek ISR Project, May, 2025

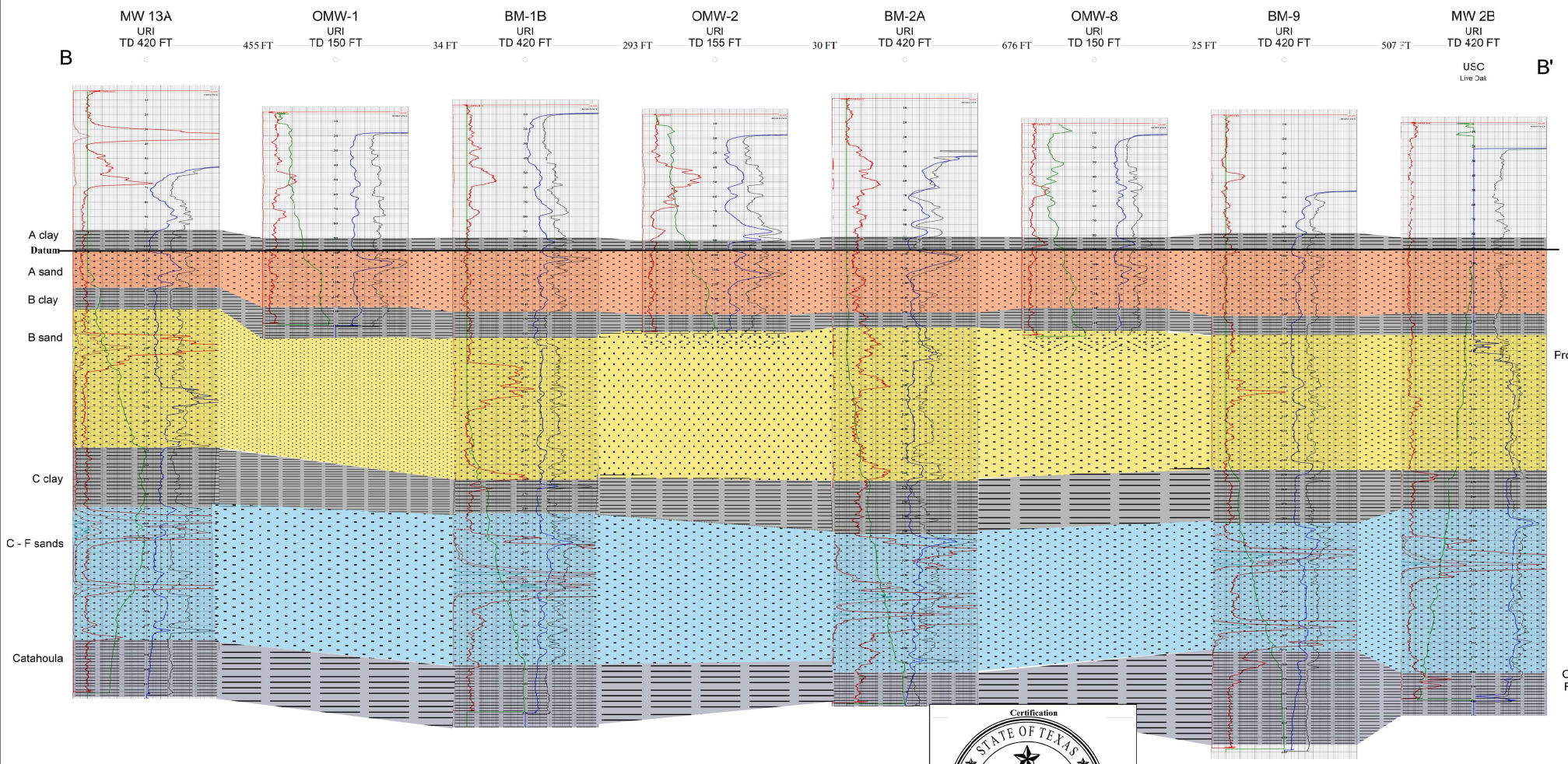
URI Inc.

Professional Geoscience Firm Registration No. 50665

PAA-1

Stratigraphic Cross Section A - A'

	Drawing Number	DATE: 4/28/2025
	SCALE: AS SHOWN	DRAWN BY: Will Jacob



Certification

STATE OF TEXAS
WILLIAM W JACOB
GEOLOGY
11284
LICENSED
PROFESSIONAL GEOSCIENTIST

William W Jacob PG# 11284 4.28.25

Initial Application UR03095PAA1 Upper Spring Creek ISR Project, May, 2025

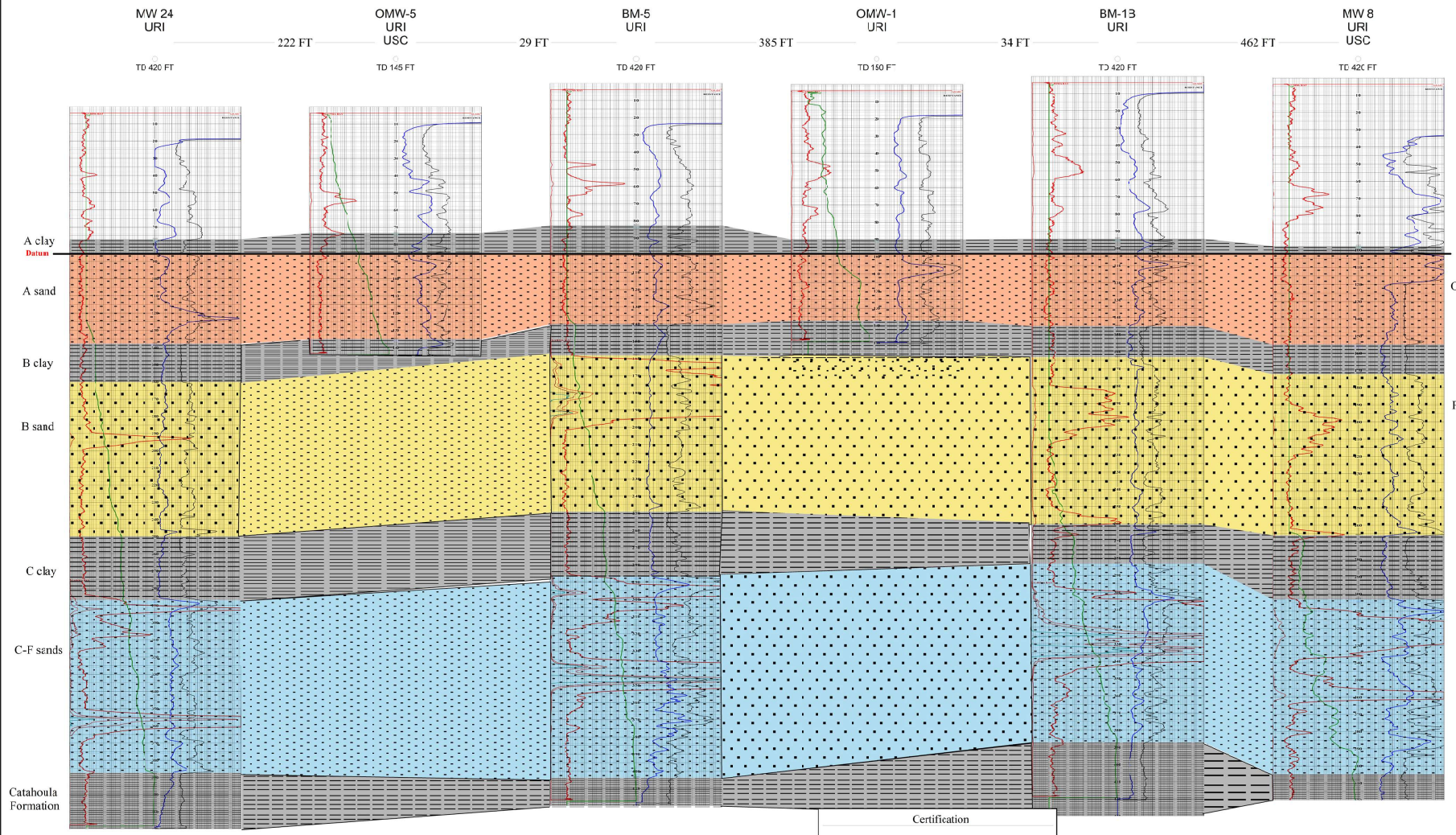
URI Inc.

Professional Geoscience Firm Registration No. 50665

PAA 1 USC

USC Stratigraphic Strike Section B - B'

	DRAWING NUMBER	DATE: 4/17/2025
	SCALE: AS SHOWN	DRAWN BY: Will Jacob



Vertical Scale
1 unit = 10'
No Horizontal Scale

ATTACHMENT IV-H-3

Certification

STATE OF TEXAS
WILLIAM W JACOB
GEOLOGY
11284
LICENSED
PROFESSIONAL GEOSCIENTIST

William W Jacob PG#11284 4.28.25

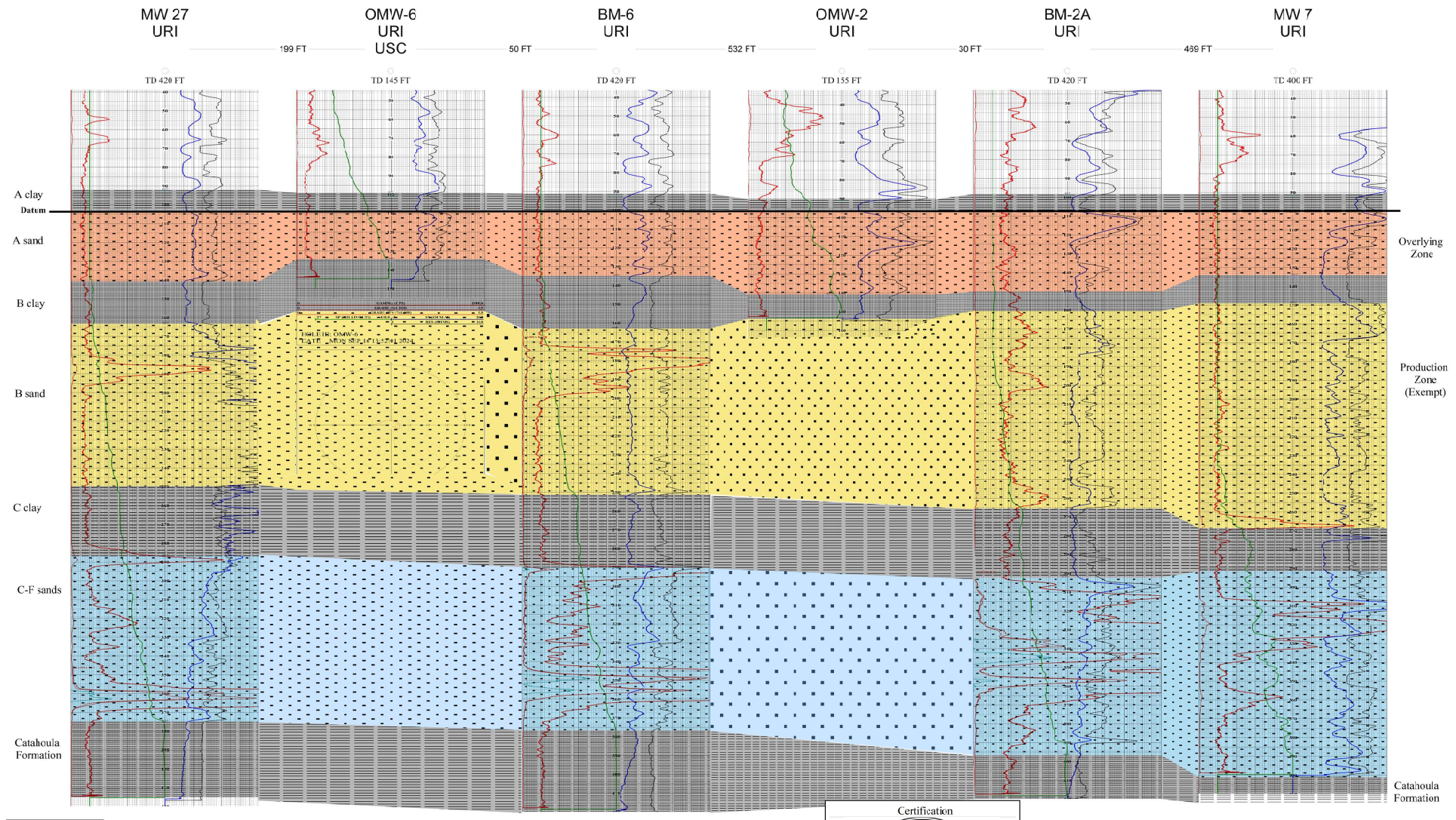
URI Inc.

Professional Geoscience Firm Registration No. 50665

PAA-1 USC

USC Stratigraphic Dip Section C-C'

	Drawing Number:	DATE: 4/28/2025
	SCALE: AS SHOWN	DRAWN BY: Will Jacob



Vertical Scale
1 unit = 10'
No Horizontal Scale

Certification

STATE OF TEXAS
WILLIAM W JACOB
GEOLOGY
11284
LICENSED
PROFESSIONAL GEOSCIENTIST

William W Jacob PG#11284 4/28/25

ATTACHMENT IV-H-4

URI Inc.

Professional Geoscience Firm Registration No. 50665

PAA-1; USC

USC Brown Stratigraphic Dip Section D - D'

Drawing Number:	DATE: 4/28/2025
SCALE: AS SHOWN	DRAWN BY: Will Jacob

Section IV-I
Groundwater Quality Data for Production and Mine Area Wells

Table 1 - Groundwater Quality Data Report for Production and Mine Area Wells

URI, Inc.

Well Owner: All wells owned by URI, Inc.
Well Number: See Below
Well Location: PAA-1
Date of Sample: See Below
Date of Water Sample Analysis: See Below
Name of Laboratory Performing Analysis: All analyses performed by ACZ Laboratories, Inc.

		MW-1	MW-2B	MW-3A	MW-4A	MW-5A	MW-6	MW-7	MW-8	MW-9	MW-10A	MW-11A
	Sample Date	03/06/25	02/24/25	03/04/25	02/24/25	02/21/25	02/10/25	02/10/25	02/10/25	02/10/25	02/10/25	03/06/25
	Analysis Date	03/11/25	03/03/25	03/07/25	03/03/25	03/03/25	02/13/25	02/13/25	02/13/25	02/13/25	02/13/25	03/11/25
PARAMETER	**Unit**											
Calcium	mg/l	48	59	116	75.4	73	165	90.1	53.7	59.8	52	46
Magnesium	mg/l	10.7	12.7	24.9	10.3	10.6	34.2	18	11.2	11.4	10.3	10.5
Sodium	mg/l	241	266	309	316	283	318	246	232	246	223	236
Potassium	mg/l	11.9	11.0	16.2	15.2	14.1	16.5	11.3	10.1	10.9	11.4	10.4
Carbonate	mg/l	21	-2	-2	-2.0	-2	-2	-2	-2	4.3	-2	24
Bicarbonate	mg/l	284	311	497	210	193	339	267	252	316	276	234
Sulfate	mg/l	38	171	70	268	178	405	160	93.2	50	20	34
Chloride	mg/l	298	236	322	343	372	451	370	312	337	291	301
Fluoride	mg/l	2.14	1.02	1.13	1.30	1.26	0.73	0.84	1.14	1.14	1.18	1.27
Nitrate - N	mg/l	0.098	0.030	-0.020	0.024	0.033	0.052	0.023	-0.02	0.03	-0.020	-0.020
Silica	mg/l	44.4	41.8	43.0	26.6	14.1	19.0	44.1	43.4	42.2	41.7	43.5
pH	std. units	8.5	8.4	8.3	8.2	8.4	8.0	8.3	8.4	8.5	8.4	8.6
TDS	mg/l	844	950	1,350	1,180	1,070	1,620	1060	864	930	802	814
Conductivity	µmhos/cm	1,470	1,590	1,980	1,910	1,790	2,540	1840	1580	1640	1,430	1,420
Alkalinity	mg/l as CaO3	305	312	497	210	193	339	267	252	320	276	257
Ammonia	mg/l	2.550	-0.10	-0.10	-0.100	-0.10	0.47	0.174	0.226	0.365	-0.100	-0.10
Arsenic	mg/l	0.00486	0.00921	0.0484	0.121	0.333	0.0289	0.0115	0.0054	0.0153	0.00056	0.00676
Cadmium	mg/l	0.000	0.000	0.000	0.001	0.001	-0.00005	-0.00005	-0.00005	-0.00005	0.000	0.000
Iron	mg/l	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
Lead	mg/l	-0.00010	0.00017	-0.00010	-0.00010	0.00065	-0.00010	-0.0001	-0.0001	-0.0001	-0.00010	-0.00010
Manganese	mg/l	0.01700	-0.01000	0.03700	0.01100	0.01200	0.06000	0.021	0.023	0.021	0.01800	-0.01000
Mercury	mg/l	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum	mg/l	0.0448	0.5250	0.1190	4.4600	10.6000	0.0640	0.0405	0.00174	0.00566	0.0115	0.3750
Selenium	mg/l	-0.0001	-0.0001	0.0004	0.0367	1.9800	-0.0001	-0.0001	-0.0001	-0.0001	0.0003	-0.0002
Uranium	mg/l	0.0012	0.0853	0.0948	2.1000	1.1600	0.0047	0.00381	0.00154	0.00085	0.0035	0.2630
Radium-226	pCi/l	4.9	26.0	43.0	16.0	46.0	12.0	24	17	13	6.3	5.0

Note: A negative sign represents a less than ("<")

Table 1 - Groundwater Quality Data Report for Production and Mine Area Wells

(continued)

URI, Inc.

Well Owner: All wells owned by URI, Inc.
Well Number: See Below
Well Location: PAA-1
Date of Sample: See Below
Date of Water Sample Analysis: See Below
Name of Laboratory Performing Analysis: All analyses performed by ACZ Laboratories, Inc.

		MW-12A	MW-13A	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22
	Sample Date	02/19/25	02/26/25	02/10/25	03/05/25	02/10/25	2/11/2025	2/11/2025	3/5/2025	3/9/2025	3/9/2025	02/10/25
	Analysis Date	02/26/25	03/06/25	02/13/25	03/07/25	02/13/25	2/17/2025	2/17/2025	3/7/2025	3/11/2025	3/11/2025	02/13/25
PARAMETER	**Unit**											
Calcium	mg/l	65	105	54	108	89	47.9	34.8	118	33.1	71.9	74
Magnesium	mg/l	250.0	17.2	9.3	18.7	17.8	8.93	7.09	25.7	7.26	16.5	16.0
Sodium	mg/l	11	227	211	253	245	260	222	317	220	290	249
Potassium	mg/l	10.9	19.7	11.4	15.1	13.2	12.8	9.08	16.3	9.57	25.8	10.5
Carbonate	mg/l	-2	-2	-2	-2	-2	-2	-2	-2	22	8.3	-2
Bicarbonate	mg/l	247	307	233	290	295	259	265	499	253	294	283
Sulfate	mg/l	94	145	47	112	28	55.6	32.4	69.4	31	127	115
Chloride	mg/l	328	389	288	385	408	331	236	326	218	360	320
Fluoride	mg/l	1.12	0.89	3.32	1.1	1.2	1.32	1.48	0.89	1.26	0.79	1.26
Nitrate - N	mg/l	-0.020	0.027	0.065	0.0	0.0	0.021	-0.02	-0.02	-0.02	-0.02	0.0
Silica	mg/l	36.6	27.7	32.4	37.0	49.3	45.3	41	44.7	40.7	33.4	39.7
pH	std. units	8.3	8.1	8.2	8.3	8.1	8.5	8.4	8.3	8.6	8.4	8.3
TDS	mg/l	892	1,180	780	1050	940	888	724	1370	712	1140	950
Conductivity	µmhos/cm	1,600	1,960	1,380	1830	1760	1590	1280	2010	1250	1850	1650
Alkalinity	mg/l as CaO3	247	307	233	290	295	259	265	499	275	302	283
Ammonia	mg/l	0.10	1.020	-0.10	0.21	-0.10	-0.1	-0.1	-0.1	-0.1	-0.1	-0.10
Arsenic	mg/l	-0.001	0.0478	0.00861	0.0498	0.00855	0.0774	0.0577	0.0461	0.0235	0.0139	0.0836
Cadmium	mg/l	0.000	0.000	0.00007	0.00016	-0.00005	-0.00005	0.000076	-0.00005	-0.00005	-0.00005	0.00006
Iron	mg/l	-0.06	0.30	-0.060	-0.060	-0.060	-0.06	-0.06	-0.06	-0.06	-0.06	-0.060
Lead	mg/l	-0.00050	-0.00010	-0.00010	-0.00010	-0.00010	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.00010
Manganese	mg/l	0.02600	0.02300	-0.01000	0.0290	0.0370	0.026	0.016	0.039	0.011	0.013	0.0190
Mercury	mg/l	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum	mg/l	0.0028	2.8300	0.6380	1.040	0.007	0.281	0.177	0.114	0.165	0.109	0.657
Selenium	mg/l	-0.0005	0.0037	-0.0001	0.000	0.000	0.00027	0.00109	0.00038	-0.0001	-0.0001	0.001
Uranium	mg/l	0.0031	3.5900	0.1310	1.630	0.001	0.00946	0.0055	0.0926	0.00479	0.0162	0.041
Radium-226	pCi/l	330.0	180.0	46.0	220.0	15.0	5.8	6.4	61	3.5	5.6	11.0

Note: A negative sign represents a less than ("<")

Table 1 - Groundwater Quality Data Report for Production and Mine Area Wells

(continued)

URI, Inc.

Well Owner: All wells owned by URI, Inc.
Well Number: See Below
Well Location: PAA-1
Date of Sample: See Below
Date of Water Sample Analysis: See Below
Name of Laboratory Performing Analysis: All analyses performed by ACZ Laboratories, Inc.

		MW-23	MW-24	MW-25	MW-26	MW-27	MW-28	MW-29	MW-30	MW-31B	MW-32	MW-33
	Sample Date	2/11/2025	2/11/2025	2/11/2025	3/9/2025	2/11/2025	2/11/2025	2/11/2025	2/11/2025	3/9/2025	2/11/2025	02/10/25
	Analysis Date	2/17/2025	2/17/2025	2/17/2025	3/11/2025	2/17/2025	2/17/2025	2/17/2025	2/17/2025	3/11/2025	2/17/2025	02/13/25
PARAMETER	**Unit**											
Calcium	mg/l	32.5	56.4	129	114	52.3	45.3	38.4	36.1	40	37.2	30
Magnesium	mg/l	7.46	12.1	26.3	17.7	11.3	9.78	7.74	6.86	6.94	8.21	7.5
Sodium	mg/l	228	305	351	272	248	230	224	236	255	231	242
Potassium	mg/l	9.07	12.4	19.8	13.3	10.5	10.8	10.2	9.99	10.6	13	10.8
Carbonate	mg/l	-2	-2	-2	-2	-2	-2	6.3	-2	13.5	9.3	-2
Bicarbonate	mg/l	277	279	541	273	276	270	281	235	227	302	283
Sulfate	mg/l	45.5	112	95.1	78.8	99.9	80.9	61.3	91.6	81.1	38.6	34
Chloride	mg/l	221	370	342	480	270	243	209	234	296	229	245
Fluoride	mg/l	1.47	1.8	0.92	1.05	1.19	1.24	1.35	1.47	1.23	1.51	1.96
Nitrate - N	mg/l	-0.02	-0.02	0.02	0.526	0.021	-0.02	-0.02	-0.02	-0.02	-0.02	0.044
Silica	mg/l	41.3	43.4	48.4	39.8	41.4	40.3	40.1	34.2	39.3	40.9	39.5
pH	std. units	8.5	8.2	8	7.9	8.3	8.5	8.5	8.5	8.5	8.6	8.4
TDS	mg/l	754	1060	1630	1390	880	810	748	796	864	762	780
Conductivity	µmhos/cm	1310	1830	2280	1980	1530	1420	1320	1410	1470	1370	1,370
Alkalinity	mg/l as CaO3	277	279	541	273	276	270	287	237	240	311	283
Ammonia	mg/l	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.100
Arsenic	mg/l	0.0604	0.11	0.111	0.00263	0.0198	0.0283	0.00602	0.104	0.00508	0.0584	0.032
Cadmium	mg/l	0.000069	0.000138	0.000234	0.000064	-0.00005	-0.00005	-0.00005	-0.00005	-0.00005	-0.00005	-0.00005
Iron	mg/l	-0.06	-0.06	-0.06	0.097	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06
Lead	mg/l	-0.0001	-0.0001	-0.001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
Manganese	mg/l	0.015	0.021	0.056	-0.01	0.025	0.017	0.022	0.018	0.022	0.017	-0.01000
Mercury	mg/l	-0.0002	-0.0002	-0.0002	0.00188	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum	mg/l	0.211	0.492	1.04	0.239	0.127	0.0564	0.0129	0.374	0.0455	0.0407	0.0569
Selenium	mg/l	0.0257	0.00111	-0.0001	0.00274	-0.0001	0.00044	0.00045	0.00102	0.0012	-0.0001	0.0012
Uranium	mg/l	0.186	0.0249	0.0328	0.0168	0.00551	0.0048	0.00074	0.0243	0.0069	0.00136	0.0047
Radium-226	pCi/l	12	28	70	42	31	110	47	7.4	2.6	1.7	2.9

Note: A negative sign represents a less than ("<")

Table 1 - Groundwater Quality Data Report for Production and Mine Area Wells

(continued)

URI, Inc.

Well Owner: All wells owned by URI, Inc.
Well Number: See Below
Well Location: PAA-1
Date of Sample: See Below
Date of Water Sample Analysis: See Below
Name of Laboratory Performing Analysis: All analyses performed by ACZ Laboratories, Inc.

		BM-1B	BM-2A	BM-3	BM-4	BM-5	BM-6	BM-7A	BM-9
	Sample Date	02/19/25	02/26/25	02/24/25	3/4/2025	02/19/25	02/19/25	02/24/25	2/27/2025
	Analysis Date	02/26/25	03/06/25	03/03/25	3/7/2025	02/26/25	02/26/25	03/03/25	3/6/2025
PARAMETER	**Unit**								
Calcium	mg/l	71	35	77.7	119	28.6	29	39.2	65.5
Magnesium	mg/l	6.51	1.13	7.48	25.8	2.59	1.44	5.52	12.8
Sodium	mg/l	249	249	273	316	243	257	303	181
Potassium	mg/l	17.3	19	20.9	16.9	16.2	10.1	14.2	12.8
Carbonate	mg/l	11	-2	-2	-2	-2	-2	-2	-2
Bicarbonate	mg/l	226	152	209	500	130	107	104	254
Sulfate	mg/l	145	137	177	69	108	151	183	124
Chloride	mg/l	306	364	354	340	310	315	386	222
Fluoride	mg/l	1.33	1.33	1.46	0.96	1.91	1.86	2.06	0.82
Nitrate - N	mg/l	-0.02	0.611	-0.02	-0.02	0.199	0.166	0.028	-0.02
Silica	mg/l	21.9	21	19.8	44.3	26.7	22.2	19.7	31.7
pH	std. units	8.5	8.2	8.1	8.3	8	8.1	8.2	8.4
TDS	mg/l	918	913	1030	1380	788	820	1020	802
Conductivity	µmhos/cm	1630	1650	1760	2020	1450	1490	1790	1380
Alkalinity	mg/l as CaO3	237	152	209	500	130	107	104	254
Ammonia	mg/l	0.305	0.152	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Arsenic	mg/l	-0.001	0.0194	0.119	0.046	-0.001	-0.001	0.086	0.0353
Cadmium	mg/l	-0.00025	0.00048	0.00144	-0.00005	-0.00025	-0.00025	0.000618	0.000257
Iron	mg/l	-0.06	-0.06	0.274	-0.06	-0.06	-0.06	-0.06	-0.06
Lead	mg/l	-0.0005	-0.0001	0.00011	-0.0001	-0.0005	-0.0005	-0.0001	-0.0001
Manganese	mg/l	0.012	-0.01	0.014	0.038	-0.01	-0.01	-0.01	-0.01
Mercury	mg/l	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum	mg/l	0.00365	3.66	6.12	0.114	0.00123	0.00929	3.08	1.68
Selenium	mg/l	-0.0005	1.78	0.157	0.00036	-0.0005	-0.0005	0.0168	0.532
Uranium	mg/l	0.00552	0.0851	5.92	0.0922	0.0217	0.0173	0.944	0.545
Radium-226	pCi/l	190	22	930	48	290	0.34	120	810

Note: A negative sign represents a less than ("<")

Table 1 - Groundwater Quality Data Report for Production and Mine Area Wells

(continued)

URI, Inc.

Well Owner: All wells owned by URI, Inc.
Well Number: See Below
Well Location: PAA-1
Date of Sample: **All wells were dry - no sample collected**
Date of Water Sample Analysis: **All wells were dry - no sample collected**
Name of Laboratory Performing Analysis: N/A

		OMW-1	OMW-2	OMW-3	OMW-4	OMW-5	OMW-6	OMW-7	OMW-8
	Sample Date								
	Analysis Date								
PARAMETER	**Unit**								
Calcium	mg/l								
Magnesium	mg/l								
Sodium	mg/l								
Potassium	mg/l								
Carbonate	mg/l								
Bicarbonate	mg/l								
Sulfate	mg/l								
Chloride	mg/l								
Fluoride	mg/l								
Nitrate - N	mg/l								
Silica	mg/l								
pH	std. units								
TDS	mg/l								
Conductivity	µmhos								
Alkalinity	mg/l as CaO3								
Ammonia	mg/l								
Arsenic	mg/l								
Cadmium	mg/l								
Iron	mg/l								
Lead	mg/l								
Manganese	mg/l								
Mercury	mg/l								
Molybdenum	mg/l								
Selenium	mg/l								
Uranium	mg/l								
Radium-226	pCi/l								

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 20, 2025

Report to:
Derrell Ezell
Uranium Resources Inc.
641 E FM 1118
Kingsville, TX 78363

Bill to:
Kristine Canales
Uranium Resources Inc.
641 E. FM 1118
Kingsville, TX 78363

cc: Lee Vela, Heather Wells, Dain McCoig, Peter Luthiger

Project ID:
ACZ Project ID: L93023

Derrell Ezell:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 13, 2025. This project has been assigned to ACZ's project number, L93023. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93023. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 19, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

Uranium Resources Inc.

March 20, 2025

Project ID:
ACZ Project ID: L93023

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 5 groundwater samples from Uranium Resources Inc. on February 13, 2025. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L93023. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic, radiochemistry parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following required further explanation not provided by the Extended Qualifier Report:

1. The below is from WG606360, Qualifier: N1, Applies to: L93023-01 through -05/MOLYBDENUM - The control sample (LFB) was outside method limits for Mo. Matrix spike (AS) and/or matrix spike duplicate (ASD) sets had recovery and RPD within control limits, demonstrating accuracy and precision on the test matrix. Pass data.

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-6

ACZ Sample ID: ***L93023-01***
Date Sampled: *02/10/25 10:12*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0289			mg/L	0.0002	0.001	02/18/25 19:25	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/18/25 19:25	aps
Calcium, dissolved	EPA 200.7	1	165			mg/L	0.1	0.5	02/27/25 20:48	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 20:48	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/18/25 19:25	aps
Magnesium, dissolved	EPA 200.7	1	34.2			mg/L	0.2	1	02/27/25 20:48	msp
Manganese, dissolved	EPA 200.7	1	0.060			mg/L	0.01	0.05	02/27/25 20:48	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/19/25 17:26	rjw
Molybdenum, dissolved	EPA 200.8	1	0.0640		*	mg/L	0.0002	0.0005	02/18/25 19:25	aps
Potassium, dissolved	EPA 200.7	1	16.5			mg/L	0.5	1	02/27/25 20:48	msp
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	02/18/25 19:25	aps
Silica, dissolved	EPA 200.7	1	49.0		*	mg/L	0.2	1	02/27/25 20:48	msp
Sodium, dissolved	EPA 200.7	1	318		*	mg/L	0.2	1	02/27/25 20:48	msp
Uranium, dissolved	EPA 200.8	1	0.00468			mg/L	0.0001	0.0005	02/18/25 19:25	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	339			mg/L	2	20	02/18/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Total Alkalinity		1	339			mg/L	2	20	02/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.7			%			03/20/25 0:00	calc
Sum of Anions			28.0			meq/L			03/20/25 0:00	calc
Sum of Cations			26			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	451			mg/L	25	50	02/24/25 10:56	jqr
Conductivity @25C	SM 2510 B-2011	1	2540			umhos/cm	1	10	02/18/25 3:45	asn
Fluoride	SM 4500-F C-2011	1	0.73			mg/L	0.15	0.35	02/28/25 17:54	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		553			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.052	B	*	mg/L	0.02	0.1	03/02/25 1:49	pjb
Nitrogen, ammonia	EPA 350.1	1	0.472		*	mg/L	0.1	0.2	02/20/25 14:33	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.0	H		units	0.1	0.1	02/18/25 0:00	asn
pH measured at		1	24.9			C	0.1	0.1	02/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1620			mg/L	20	40	02/17/25 12:07	asn
Sulfate	ASTM D516-07/-11/-16	25	405		*	mg/L	25	125	02/19/25 12:10	jqr
TDS (calculated)	Calculation		1660			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.98						03/20/25 0:00	calc

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-7

ACZ Sample ID: ***L93023-02***
Date Sampled: *02/10/25 11:13*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0115			mg/L	0.0002	0.001	02/18/25 19:26	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/18/25 19:26	aps
Calcium, dissolved	EPA 200.7	1	90.1			mg/L	0.1	0.5	02/27/25 20:51	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 20:51	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/18/25 19:26	aps
Magnesium, dissolved	EPA 200.7	1	18.0			mg/L	0.2	1	02/27/25 20:51	msp
Manganese, dissolved	EPA 200.7	1	0.021	B		mg/L	0.01	0.05	02/27/25 20:51	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/19/25 17:27	rjw
Molybdenum, dissolved	EPA 200.8	1	0.0405		*	mg/L	0.0002	0.0005	02/18/25 19:26	aps
Potassium, dissolved	EPA 200.7	1	11.3			mg/L	0.5	1	02/27/25 20:51	msp
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	02/18/25 19:26	aps
Silica, dissolved	EPA 200.7	1	44.1		*	mg/L	0.2	1	02/27/25 20:51	msp
Sodium, dissolved	EPA 200.7	1	246		*	mg/L	0.2	1	02/27/25 20:51	msp
Uranium, dissolved	EPA 200.8	1	0.00381			mg/L	0.0001	0.0005	02/18/25 19:26	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	267			mg/L	2	20	02/18/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Total Alkalinity		1	267			mg/L	2	20	02/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-5.6			%			03/20/25 0:00	calc
Sum of Anions			19			meq/L			03/20/25 0:00	calc
Sum of Cations			17			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	370			mg/L	25	50	02/24/25 10:56	jqr
Conductivity @25C	SM 2510 B-2011	1	1840			umhos/cm	1	10	02/18/25 3:57	asn
Fluoride	SM 4500-F C-2011	1	0.84			mg/L	0.15	0.35	02/28/25 18:13	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		299			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.023	B	*	mg/L	0.02	0.1	03/02/25 1:52	pjb
Nitrogen, ammonia	EPA 350.1	1	0.174	B	*	mg/L	0.1	0.2	02/20/25 14:35	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.3	H		units	0.1	0.1	02/18/25 0:00	asn
pH measured at		1	24.9			C	0.1	0.1	02/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1060			mg/L	20	40	02/17/25 12:13	asn
Sulfate	ASTM D516-07/-11/-16	5	160		*	mg/L	5	25	02/19/25 11:29	jqr
TDS (calculated)	Calculation		1120			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						03/20/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW-8

ACZ Sample ID: ***L93023-03***
Date Sampled: *02/10/25 12:05*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00540			mg/L	0.0002	0.001	02/18/25 19:28	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/18/25 19:28	aps
Calcium, dissolved	EPA 200.7	1	53.7			mg/L	0.1	0.5	02/27/25 20:55	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 20:55	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/18/25 19:28	aps
Magnesium, dissolved	EPA 200.7	1	11.2			mg/L	0.2	1	02/27/25 20:55	msp
Manganese, dissolved	EPA 200.7	1	0.023	B		mg/L	0.01	0.05	02/27/25 20:55	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/19/25 17:28	rjw
Molybdenum, dissolved	EPA 200.8	1	0.00174		*	mg/L	0.0002	0.0005	02/18/25 19:28	aps
Potassium, dissolved	EPA 200.7	1	10.1			mg/L	0.5	1	02/27/25 20:55	msp
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	02/18/25 19:28	aps
Silica, dissolved	EPA 200.7	1	43.4		*	mg/L	0.2	1	02/27/25 20:55	msp
Sodium, dissolved	EPA 200.7	1	232		*	mg/L	0.2	1	02/27/25 20:55	msp
Uranium, dissolved	EPA 200.8	1	0.00154			mg/L	0.0001	0.0005	02/18/25 19:28	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	252			mg/L	2	20	02/18/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Total Alkalinity		1	252			mg/L	2	20	02/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-6.7			%			03/20/25 0:00	calc
Sum of Anions			16			meq/L			03/20/25 0:00	calc
Sum of Cations			14			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	312			mg/L	25	50	02/24/25 10:57	jqr
Conductivity @25C	SM 2510 B-2011	1	1560			umhos/cm	1	10	02/18/25 4:08	asn
Fluoride	SM 4500-F C-2011	1	1.14			mg/L	0.15	0.35	02/28/25 18:19	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		180			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/02/25 1:53	pjb
Nitrogen, ammonia	EPA 350.1	1	0.226		*	mg/L	0.1	0.2	02/20/25 14:36	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.4	H		units	0.1	0.1	02/18/25 0:00	asn
pH measured at		1	24.9			C	0.1	0.1	02/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	864			mg/L	20	40	02/17/25 12:18	asn
Sulfate	ASTM D516-07/-11/-16	5	93.2		*	mg/L	5	25	02/19/25 11:30	jqr
TDS (calculated)	Calculation		922			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.94						03/20/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW-9

ACZ Sample ID: ***L93023-04***
Date Sampled: *02/10/25 13:02*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0153			mg/L	0.0002	0.001	02/18/25 19:34	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/18/25 19:34	aps
Calcium, dissolved	EPA 200.7	1	59.8			mg/L	0.1	0.5	02/27/25 20:58	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 20:58	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/18/25 19:34	aps
Magnesium, dissolved	EPA 200.7	1	11.4			mg/L	0.2	1	02/27/25 20:58	msp
Manganese, dissolved	EPA 200.7	1	0.021	B		mg/L	0.01	0.05	02/27/25 20:58	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/19/25 17:29	rjw
Molybdenum, dissolved	EPA 200.8	1	0.00566		*	mg/L	0.0002	0.0005	02/18/25 19:34	aps
Potassium, dissolved	EPA 200.7	1	10.9			mg/L	0.5	1	02/27/25 20:58	msp
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	02/18/25 19:34	aps
Silica, dissolved	EPA 200.7	1	42.2		*	mg/L	0.2	1	02/27/25 20:58	msp
Sodium, dissolved	EPA 200.7	1	246		*	mg/L	0.2	1	02/27/25 20:58	msp
Uranium, dissolved	EPA 200.8	1	0.00085			mg/L	0.0001	0.0005	02/18/25 19:34	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	316			mg/L	2	20	02/18/25 0:00	asn
Carbonate as CaCO3		1	4.3	B		mg/L	2	20	02/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Total Alkalinity		1	320			mg/L	2	20	02/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-6.3			%			03/20/25 0:00	calc
Sum of Anions			17.0			meq/L			03/20/25 0:00	calc
Sum of Cations			15			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	337			mg/L	25	50	02/24/25 10:57	jqr
Conductivity @25C	SM 2510 B-2011	1	1640			umhos/cm	1	10	02/18/25 4:20	asn
Fluoride	SM 4500-F C-2011	1	1.14			mg/L	0.15	0.35	02/20/25 23:47	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		196			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.030	B	*	mg/L	0.02	0.1	03/02/25 1:54	pjb
Nitrogen, ammonia	EPA 350.1	1	0.365		*	mg/L	0.1	0.2	02/20/25 14:38	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.5	H		units	0.1	0.1	02/18/25 0:00	asn
pH measured at		1	24.9			C	0.1	0.1	02/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	930			mg/L	20	40	02/17/25 12:23	asn
Sulfate	ASTM D516-07/-11/-16	5	50.0		*	mg/L	5	25	02/19/25 11:30	jqr
TDS (calculated)	Calculation		966			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						03/20/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW-10A

ACZ Sample ID: ***L93023-05***
Date Sampled: *02/10/25 13:37*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00056	B		mg/L	0.0002	0.001	02/18/25 19:39	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/18/25 19:39	aps
Calcium, dissolved	EPA 200.7	1	52.4			mg/L	0.1	0.5	02/27/25 21:01	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 21:01	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/18/25 19:39	aps
Magnesium, dissolved	EPA 200.7	1	10.3			mg/L	0.2	1	02/27/25 21:01	msp
Manganese, dissolved	EPA 200.7	1	0.018	B		mg/L	0.01	0.05	02/27/25 21:01	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/19/25 17:30	rjw
Molybdenum, dissolved	EPA 200.8	1	0.0115		*	mg/L	0.0002	0.0005	02/18/25 19:39	aps
Potassium, dissolved	EPA 200.7	1	11.4			mg/L	0.5	1	02/27/25 21:01	msp
Selenium, dissolved	EPA 200.8	1	0.00025			mg/L	0.0001	0.00025	02/18/25 19:39	aps
Silica, dissolved	EPA 200.7	1	41.7		*	mg/L	0.2	1	02/27/25 21:01	msp
Sodium, dissolved	EPA 200.7	1	223		*	mg/L	0.2	1	02/27/25 21:01	msp
Uranium, dissolved	EPA 200.8	1	0.00354			mg/L	0.0001	0.0005	02/18/25 19:39	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	276			mg/L	2	20	02/18/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Total Alkalinity		1	276			mg/L	2	20	02/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/20/25 0:00	calc
Sum of Anions			14			meq/L			03/20/25 0:00	calc
Sum of Cations			14			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	291			mg/L	25	50	02/24/25 10:58	jqr
Conductivity @25C	SM 2510 B-2011	1	1430			umhos/cm	1	10	02/18/25 4:34	asn
Fluoride	SM 4500-F C-2011	1	1.18			mg/L	0.15	0.35	02/21/25 0:03	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		173			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/02/25 2:28	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 14:39	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.4	H		units	0.1	0.1	02/18/25 0:00	asn
pH measured at		1	24.9			C	0.1	0.1	02/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	802			mg/L	20	40	02/17/25 12:28	asn
Sulfate	ASTM D516-07/-11/-16	1	19.6		*	mg/L	1	5	02/19/25 11:22	jqr
TDS (calculated)	Calculation		830			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.97						03/20/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).
	Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value.
	The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

REP001.03.15.02

Uranium Resources Inc. ACZ Project ID: ***L93023***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93023-01	WG606360	Molybdenum, dissolved	EPA 200.8	N1	See Case Narrative.
	WG606972	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606481	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606872	Silica, dissolved	EPA 200.7	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Sodium, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606380	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93023-02	WG606360	Molybdenum, dissolved	EPA 200.8	N1	See Case Narrative.
	WG606972	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606481	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606872	Silica, dissolved	EPA 200.7	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Sodium, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606380	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93023-03	WG606360	Molybdenum, dissolved	EPA 200.8	N1	See Case Narrative.
	WG606972	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606481	Nitrogen, ammonia	EPA 350.1	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606872	Silica, dissolved	EPA 200.7	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Sodium, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606380	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

Inorganic Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93023***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93023-04	WG606360	Molybdenum, dissolved	EPA 200.8	N1	See Case Narrative.
	WG606972	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606481	Nitrogen, ammonia	EPA 350.1	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606872	Silica, dissolved	EPA 200.7	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Sodium, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606380	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93023-05	WG606360	Molybdenum, dissolved	EPA 200.8	N1	See Case Narrative.
	WG606972	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606481	Nitrogen, ammonia	EPA 350.1	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606872	Silica, dissolved	EPA 200.7	MA	Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.
		Sodium, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606380	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-6
Locator:

ACZ Sample ID: ***L93023-01***
Date Sampled: *02/10/25 10:12*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/25/25 0:24		12	0.46	0.45	pCi/L	*	ang

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-7
Locator:

ACZ Sample ID: ***L93023-02***
Date Sampled: *02/10/25 11:13*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/25/25 0:25		24	0.66	0.41	pCi/L	*	ang

REPRC.02.06.05.01

** Please refer to Qualifier Reports for details.*

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-8
Locator:

ACZ Sample ID: ***L93023-03***
Date Sampled: *02/10/25 12:05*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/25/25 0:27		17	0.53	0.42	pCi/L	*	ang

REPRC.02.06.05.01

** Please refer to Qualifier Reports for details.*

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-9
Locator:

ACZ Sample ID: ***L93023-04***
Date Sampled: *02/10/25 13:02*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/25/25 0:28		13	0.53	0.44	pCi/L	*	ang

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-10A
Locator:

ACZ Sample ID: ***L93023-05***
Date Sampled: *02/10/25 13:37*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:02		6.3	0.25	0.34	pCi/L	*	ang

** Please refer to Qualifier Reports for details.*

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

RadChem Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93023***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93023-01	WG606392	Radium 226, dissolved	EPA 903.1	DJ	Sample dilution required due to insufficient sample.
			EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93023-02	WG606392	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93023-03	WG606392	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93023-04	WG606392	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93023-05	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID: L93023
Date Received: 02/13/2025 13:58
Received By:
Date Printed: 2/14/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
3860	0.3	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID:	L93023
Date Received:	02/13/2025 13:58
Received By:	
Date Printed:	2/14/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L93023

L93023 Chain of Custo

Report to:

Name: Derrell Ezell	Address: 101 N. Shoreline Drive, Suite 450
Company: enCore Uranium LLC	Corpus Christi, TX 78401
E-mail: dezell@encoreuranium.com	Telephone: 361-2395449

Copy of Report to:

Name: Peter Luthiger	E-mail:
Company: pluthiger@encoreuranium.com	Telephone:

Invoice to:

Name: Kristine Canales	Address:
Company: URI, Inc.	
E-mail: kcanales@encoreuranium.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ☐ NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES ☐ NO ☐

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #: USC-PAAGW

Project/PO #: 4262

Reporting state for compliance testing:

Sampler's Name: Josh Garcia

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	USC-PAA GW
MW6	2/10/25 10:12	GW	5	x
MW-7	2/10/25 11:13	GW	5	X
MW-8	2/10/25 12:05	GW	5	X
MW-9	2/10/25 13:02	GW	5	X
MW-10A	2/10/25 13:37	GW	5	X

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Josh Garcia	2/10/25 15:50		2/11/25
			1659

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 04, 2025

Report to:
Derrell Ezell
Uranium Resources Inc.
641 E FM 1118
Kingsville, TX 78363

Bill to:
Kristine Canales
Uranium Resources Inc.
641 E. FM 1118
Kingsville, TX 78363

cc: Lee Vela, Heather Wells, Dain McCoig, Peter Luthiger

Project ID:
ACZ Project ID: L93024

Derrell Ezell:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 13, 2025. This project has been assigned to ACZ's project number, L93024. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93024. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 03, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Case Narrative

Uranium Resources Inc.

March 04, 2025

Project ID:
ACZ Project ID: L93024

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 4 groundwater samples from Uranium Resources Inc. on February 13, 2025. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L93024. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic, radiochemistry parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following required further explanation not provided by the Extended Qualifier Report:

1. The below is from WG606360, Qualifier: N1, Applies to: L93024-01 through -04/MOLYBDENUM - The control sample (LFB) was outside method limits for Mo. Matrix spike (AS) and/or matrix spike duplicate (ASD) sets had recovery and RPD within control limits, demonstrating accuracy and precision on the test matrix. Pass data.

Uranium Resources Inc.
Project ID:
Sample ID: MW-16

ACZ Sample ID: ***L93024-01***
Date Sampled: *02/10/25 14:28*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00855			mg/L	0.0002	0.001	02/18/25 19:41	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/18/25 19:41	aps
Calcium, dissolved	EPA 200.7	1	88.8			mg/L	0.1	0.5	02/27/25 17:14	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:14	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/18/25 19:41	aps
Magnesium, dissolved	EPA 200.7	1	17.8			mg/L	0.2	1	02/27/25 17:14	wtc
Manganese, dissolved	EPA 200.7	1	0.037	B		mg/L	0.01	0.05	02/27/25 17:14	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/19/25 17:33	rjw
Molybdenum, dissolved	EPA 200.8	1	0.00665		*	mg/L	0.0002	0.0005	02/18/25 19:41	aps
Potassium, dissolved	EPA 200.7	1	13.2			mg/L	0.5	1	02/27/25 17:14	wtc
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	02/18/25 19:41	aps
Silica, dissolved	EPA 200.7	1	49.3			mg/L	0.2	1	02/27/25 17:14	wtc
Sodium, dissolved	EPA 200.7	1	245			mg/L	0.2	1	02/27/25 17:14	wtc
Uranium, dissolved	EPA 200.8	1	0.00097			mg/L	0.0001	0.0005	02/18/25 19:41	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	295			mg/L	2	20	02/18/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Total Alkalinity		1	295		*	mg/L	2	20	02/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-2.9			%			03/04/25 0:00	calc
Sum of Anions			18.0			meq/L			03/04/25 0:00	calc
Sum of Cations			17.0			meq/L			03/04/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	408			mg/L	25	50	02/20/25 14:48	jqr
Conductivity @25C	SM 2510 B-2011	1	1760		*	umhos/cm	1	10	02/18/25 5:24	asn
Fluoride	SM 4500-F C-2011	1	1.15			mg/L	0.15	0.35	02/28/25 18:28	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		295			mg/L	0.2	5	03/04/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/02/25 2:29	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:18	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.1	H		units	0.1	0.1	02/18/25 0:00	asn
pH measured at		1	24.6			C	0.1	0.1	02/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	940			mg/L	20	40	02/17/25 12:33	asn
Sulfate	ASTM D516-07/-11/-16	5	28.3			mg/L	5	25	02/17/25 13:41	jqr
TDS (calculated)	Calculation		1040			mg/L			03/04/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.90						03/04/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW-14

ACZ Sample ID: ***L93024-02***
Date Sampled: *02/10/25 15:07*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00861			mg/L	0.0002	0.001	02/18/25 19:43	aps
Cadmium, dissolved	EPA 200.8	1	0.000070	B		mg/L	0.00005	0.00025	02/18/25 19:43	aps
Calcium, dissolved	EPA 200.7	1	54.3			mg/L	0.1	0.5	02/27/25 17:17	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:17	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/18/25 19:43	aps
Magnesium, dissolved	EPA 200.7	1	9.34			mg/L	0.2	1	02/27/25 17:17	wtc
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	02/27/25 17:17	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/19/25 17:36	rjw
Molybdenum, dissolved	EPA 200.8	1	0.638		*	mg/L	0.0002	0.0005	02/18/25 19:43	aps
Potassium, dissolved	EPA 200.7	1	11.4			mg/L	0.5	1	02/27/25 17:17	wtc
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	02/18/25 19:43	aps
Silica, dissolved	EPA 200.7	1	32.4			mg/L	0.2	1	02/27/25 17:17	wtc
Sodium, dissolved	EPA 200.7	1	211			mg/L	0.2	1	02/27/25 17:17	wtc
Uranium, dissolved	EPA 200.8	1	0.131			mg/L	0.0001	0.0005	02/18/25 19:43	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	233			mg/L	2	20	02/18/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Total Alkalinity		1	233		*	mg/L	2	20	02/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.7			%			03/04/25 0:00	calc
Sum of Anions			14			meq/L			03/04/25 0:00	calc
Sum of Cations			13			meq/L			03/04/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	288			mg/L	25	50	02/20/25 14:48	jqr
Conductivity @25C	SM 2510 B-2011	1	1380		*	umhos/cm	1	10	02/18/25 5:36	asn
Fluoride	SM 4500-F C-2011	1	3.32		*	mg/L	0.15	0.35	02/28/25 18:35	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		174			mg/L	0.2	5	03/04/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.065	B	*	mg/L	0.02	0.1	03/02/25 2:30	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:21	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.2	H		units	0.1	0.1	02/18/25 0:00	asn
pH measured at		1	24.6			C	0.1	0.1	02/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	780			mg/L	20	40	02/17/25 12:39	asn
Sulfate	ASTM D516-07/-11/-16	5	46.7			mg/L	5	25	02/17/25 13:27	jqr
TDS (calculated)	Calculation		807			mg/L			03/04/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.97						03/04/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW-22

ACZ Sample ID: ***L93024-03***
Date Sampled: *02/10/25 09:20*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0836			mg/L	0.0002	0.001	02/18/25 19:44	aps
Cadmium, dissolved	EPA 200.8	1	0.000064	B		mg/L	0.00005	0.00025	02/18/25 19:44	aps
Calcium, dissolved	EPA 200.7	1	73.6			mg/L	0.1	0.5	02/27/25 17:20	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:20	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/18/25 19:44	aps
Magnesium, dissolved	EPA 200.7	1	16.0			mg/L	0.2	1	02/27/25 17:20	wtc
Manganese, dissolved	EPA 200.7	1	0.019	B		mg/L	0.01	0.05	02/27/25 17:20	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/19/25 17:37	rjw
Molybdenum, dissolved	EPA 200.8	1	0.657		*	mg/L	0.0002	0.0005	02/18/25 19:44	aps
Potassium, dissolved	EPA 200.7	1	10.5			mg/L	0.5	1	02/27/25 17:20	wtc
Selenium, dissolved	EPA 200.8	1	0.00089			mg/L	0.0001	0.00025	02/18/25 19:44	aps
Silica, dissolved	EPA 200.7	1	39.7			mg/L	0.2	1	02/27/25 17:20	wtc
Sodium, dissolved	EPA 200.7	1	249			mg/L	0.2	1	02/27/25 17:20	wtc
Uranium, dissolved	EPA 200.8	1	0.0408			mg/L	0.0001	0.0005	02/18/25 19:44	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	283			mg/L	2	20	02/18/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Total Alkalinity		1	283		*	mg/L	2	20	02/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.0			%			03/04/25 0:00	calc
Sum of Anions			17			meq/L			03/04/25 0:00	calc
Sum of Cations			16			meq/L			03/04/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	320			mg/L	25	50	02/20/25 14:49	jqr
Conductivity @25C	SM 2510 B-2011	1	1650		*	umhos/cm	1	10	02/18/25 5:50	asn
Fluoride	SM 4500-F C-2011	1	1.26		*	mg/L	0.15	0.35	02/28/25 18:49	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		250			mg/L	0.2	5	03/04/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/02/25 2:31	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:24	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.3	H		units	0.1	0.1	02/18/25 0:00	asn
pH measured at		1	24.7			C	0.1	0.1	02/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	950			mg/L	20	40	02/17/25 12:44	asn
Sulfate	ASTM D516-07/-11/-16	5	115			mg/L	5	25	02/17/25 13:27	jqr
TDS (calculated)	Calculation		1010			mg/L			03/04/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.94						03/04/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW-33

ACZ Sample ID: ***L93024-04***
Date Sampled: *02/10/25 15:55*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0320			mg/L	0.0002	0.001	02/18/25 19:46	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/18/25 19:46	aps
Calcium, dissolved	EPA 200.7	1	29.6			mg/L	0.1	0.5	02/27/25 17:23	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:23	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/18/25 19:46	aps
Magnesium, dissolved	EPA 200.7	1	7.51			mg/L	0.2	1	02/27/25 17:23	wtc
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	02/27/25 17:23	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	02/19/25 17:38	rjw
Molybdenum, dissolved	EPA 200.8	1	0.0569		*	mg/L	0.0002	0.0005	02/18/25 19:46	aps
Potassium, dissolved	EPA 200.7	1	10.8			mg/L	0.5	1	02/27/25 17:23	wtc
Selenium, dissolved	EPA 200.8	1	0.00121			mg/L	0.0001	0.00025	02/18/25 19:46	aps
Silica, dissolved	EPA 200.7	1	39.5			mg/L	0.2	1	02/27/25 17:23	wtc
Sodium, dissolved	EPA 200.7	1	242			mg/L	0.2	1	02/27/25 17:23	wtc
Uranium, dissolved	EPA 200.8	1	0.00470			mg/L	0.0001	0.0005	02/18/25 19:46	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	283			mg/L	2	20	02/18/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/18/25 0:00	asn
Total Alkalinity		1	283		*	mg/L	2	20	02/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/04/25 0:00	calc
Sum of Anions			13			meq/L			03/04/25 0:00	calc
Sum of Cations			13.0			meq/L			03/04/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	245			mg/L	5	10	02/20/25 14:07	jqr
Conductivity @25C	SM 2510 B-2011	1	1370		*	umhos/cm	1	10	02/18/25 6:05	asn
Fluoride	SM 4500-F C-2011	1	1.98		*	mg/L	0.15	0.35	02/28/25 18:55	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		105			mg/L	0.2	5	03/04/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.044	B	*	mg/L	0.02	0.1	03/02/25 2:33	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:25	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.4	H		units	0.1	0.1	02/18/25 0:00	asn
pH measured at		1	24.6			C	0.1	0.1	02/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	780			mg/L	20	40	02/17/25 12:49	asn
Sulfate	ASTM D516-07/-11/-16	5	34.1			mg/L	5	25	02/17/25 13:28	jqr
TDS (calculated)	Calculation		794			mg/L			03/04/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.98						03/04/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).
	Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value.
	The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

REP001.03.15.02

Uranium Resources Inc.

ACZ Project ID: ***L93024***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93024-01	WG606260	Conductivity @25C	SM 2510 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606360	Molybdenum, dissolved	EPA 200.8	N1	See Case Narrative.
	WG606972	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606260	Total Alkalinity	SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L93024-02	WG606260	Conductivity @25C	SM 2510 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606360	Molybdenum, dissolved	EPA 200.8	N1	See Case Narrative.
	WG606972	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606260	Total Alkalinity	SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L93024-03	WG606260	Conductivity @25C	SM 2510 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606360	Molybdenum, dissolved	EPA 200.8	N1	See Case Narrative.
	WG606972	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606260	Total Alkalinity	SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L93024-04	WG606260	Conductivity @25C	SM 2510 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606360	Molybdenum, dissolved	EPA 200.8	N1	See Case Narrative.
	WG606972	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606260	Total Alkalinity	SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

ACZ Laboratories, Inc.
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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-16
Locator:

ACZ Sample ID: ***L93024-01***
Date Sampled: *02/10/25 14:28*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/25/25 0:30		15	0.49	0.59	pCi/L	*	ang

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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-14
Locator:

ACZ Sample ID: ***L93024-02***
Date Sampled: *02/10/25 15:07*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/25/25 0:31		46	0.85	0.37	pCi/L	*	ang

REPRC.02.06.05.01

** Please refer to Qualifier Reports for details.*

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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-22
Locator:

ACZ Sample ID: ***L93024-03***
Date Sampled: *02/10/25 9:20*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/25/25 0:33		11	0.43	0.32	pCi/L	*	ang

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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-33
Locator:

ACZ Sample ID: ***L93024-04***
Date Sampled: *02/10/25 15:55*
Date Received: *02/13/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/25/25 0:34		2.9	0.25	0.44	pCi/L	*	ang

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

RadChem Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93024***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93024-01	WG606392	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93024-02	WG606392	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93024-03	WG606392	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93024-04	WG606392	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

Certification Qualifiers

Uranium Resources Inc. ACZ Project ID: ***L93024***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
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Sample Receipt

Uranium Resources Inc.

ACZ Project ID: L93024
Date Received: 02/13/2025 13:58
Received By:
Date Printed: 2/14/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
NA44299	2.2	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
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Sample Receipt

Uranium Resources Inc.

ACZ Project ID:	L93024
Date Received:	02/13/2025 13:58
Received By:	
Date Printed:	2/14/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L93024

L93024 Chain of Custo

Report to:

Name: Derrell Ezell	Address: 101 N. Shoreline Drive, Suite 450
Company: enCore Uranium LLC	Corpus Christi, TX 78401
E-mail: dezell@encoreuranium.com	Telephone: 361-2395449

Copy of Report to:

Name: Peter Luthiger	E-mail:
Company: pluthiger@encoreuranium.com	Telephone:

Invoice to:

Name: Kristine Canales	Address:
Company: URI, Inc.	
E-mail: kcanales@encoreuranium.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ☐ NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES ☐ NO ☐

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #: USC-PAA GW

Project/PO #: 4262

Reporting state for compliance testing:

Sampler's Name: Josh Garcia

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	USC-PAA GW
MW-16	2/10/25 14:28	GW	5	x
MW-14	2/10/25 15:07	GW	5	x
MW-22	2/10/25 9:20	GW	5	x
MW-33	2/10/25 15:55	GW	5	x

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Josh Garcia	2/10/25 15:30		2/13/25 1358

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 20, 2025

Report to:
Derrell Ezell
Uranium Resources Inc.
641 E FM 1118
Kingsville, TX 78363

Bill to:
Kristine Canales
Uranium Resources Inc.
641 E. FM 1118
Kingsville, TX 78363

cc: Heather Wells, Dain McCoig, Peter Luthiger, Lee Vela

Project ID:
ACZ Project ID: L93063

Derrell Ezell:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 17, 2025. This project has been assigned to ACZ's project number, L93063. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93063. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 19, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

Uranium Resources Inc.
Project ID:
Sample ID: MW 27

ACZ Sample ID: ***L93063-01***
Date Sampled: *02/11/25 11:51*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0198			mg/L	0.0002	0.001	02/20/25 16:56	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 16:56	aps
Calcium, dissolved	EPA 200.7	1	52.3			mg/L	0.1	0.5	02/27/25 17:32	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:32	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 16:56	aps
Magnesium, dissolved	EPA 200.7	1	11.3			mg/L	0.2	1	02/27/25 17:32	wtc
Manganese, dissolved	EPA 200.7	1	0.025	B		mg/L	0.01	0.05	02/27/25 17:32	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:21	rjw
Molybdenum, dissolved	EPA 200.8	1	0.127			mg/L	0.0002	0.0005	02/20/25 16:56	aps
Potassium, dissolved	EPA 200.7	1	10.5			mg/L	0.5	1	02/27/25 17:32	wtc
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	02/20/25 16:56	aps
Silica, dissolved	EPA 200.7	1	41.4			mg/L	0.2	1	02/27/25 17:32	wtc
Sodium, dissolved	EPA 200.7	1	248			mg/L	0.2	1	02/27/25 17:32	wtc
Uranium, dissolved	EPA 200.8	1	0.00551			mg/L	0.0001	0.0005	02/20/25 16:56	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	276			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	276			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/20/25 0:00	calc
Sum of Anions			15			meq/L			03/20/25 0:00	calc
Sum of Cations			15			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	270		*	mg/L	25	50	02/24/25 14:01	jqr
Conductivity @25C	SM 2510 B-2011	1	1530			umhos/cm	1	10	02/19/25 5:54	jck
Fluoride	SM 4500-F C-2011	1	1.19		*	mg/L	0.15	0.35	02/28/25 19:00	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		177			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.021	B	*	mg/L	0.02	0.1	03/06/25 2:53	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:28	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.3	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.6			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	880			mg/L	20	40	02/18/25 15:22	asn
Sulfate	ASTM D516-07/-11/-16	5	99.9		*	mg/L	5	25	02/24/25 11:52	jqr
TDS (calculated)	Calculation		914			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						03/20/25 0:00	calc

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 28

ACZ Sample ID: ***L93063-02***
Date Sampled: *02/11/25 11:06*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0283			mg/L	0.0002	0.001	02/20/25 16:58	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 16:58	aps
Calcium, dissolved	EPA 200.7	1	45.3			mg/L	0.1	0.5	02/27/25 17:35	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:35	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 16:58	aps
Magnesium, dissolved	EPA 200.7	1	9.78			mg/L	0.2	1	02/27/25 17:35	wtc
Manganese, dissolved	EPA 200.7	1	0.017	B		mg/L	0.01	0.05	02/27/25 17:35	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:22	rjw
Molybdenum, dissolved	EPA 200.8	1	0.0564			mg/L	0.0002	0.0005	02/20/25 16:58	aps
Potassium, dissolved	EPA 200.7	1	10.8			mg/L	0.5	1	02/27/25 17:35	wtc
Selenium, dissolved	EPA 200.8	1	0.00044			mg/L	0.0001	0.00025	02/20/25 16:58	aps
Silica, dissolved	EPA 200.7	1	40.3			mg/L	0.2	1	02/27/25 17:35	wtc
Sodium, dissolved	EPA 200.7	1	230			mg/L	0.2	1	02/27/25 17:35	wtc
Uranium, dissolved	EPA 200.8	1	0.00480			mg/L	0.0001	0.0005	02/20/25 16:58	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	270			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	270			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/20/25 0:00	calc
Sum of Anions			14.0			meq/L			03/20/25 0:00	calc
Sum of Cations			14			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	243		*	mg/L	5	10	02/24/25 13:38	jqr
Conductivity @25C	SM 2510 B-2011	1	1420			umhos/cm	1	10	02/19/25 6:14	jck
Fluoride	SM 4500-F C-2011	1	1.24		*	mg/L	0.15	0.35	02/28/25 19:05	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		153			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/06/25 2:56	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:30	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.5	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.7			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	810			mg/L	20	40	02/18/25 15:28	asn
Sulfate	ASTM D516-07/-11/-16	5	80.9		*	mg/L	5	25	02/24/25 11:33	jqr
TDS (calculated)	Calculation		837			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.97						03/20/25 0:00	calc

REPIN.02.06.05.01

** Please refer to Qualifier Reports for details.*

Uranium Resources Inc.
Project ID:
Sample ID: MW 29

ACZ Sample ID: ***L93063-03***
Date Sampled: *02/11/25 10:04*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00602			mg/L	0.0002	0.001	02/20/25 17:00	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 17:00	aps
Calcium, dissolved	EPA 200.7	1	38.4			mg/L	0.1	0.5	02/27/25 17:38	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:38	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 17:00	aps
Magnesium, dissolved	EPA 200.7	1	7.74			mg/L	0.2	1	02/27/25 17:38	wtc
Manganese, dissolved	EPA 200.7	1	0.022	B		mg/L	0.01	0.05	02/27/25 17:38	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:23	rjw
Molybdenum, dissolved	EPA 200.8	1	0.0129			mg/L	0.0002	0.0005	02/20/25 17:00	aps
Potassium, dissolved	EPA 200.7	1	10.2			mg/L	0.5	1	02/27/25 17:38	wtc
Selenium, dissolved	EPA 200.8	1	0.00045			mg/L	0.0001	0.00025	02/20/25 17:00	aps
Silica, dissolved	EPA 200.7	1	40.1			mg/L	0.2	1	02/27/25 17:38	wtc
Sodium, dissolved	EPA 200.7	1	224			mg/L	0.2	1	02/27/25 17:38	wtc
Uranium, dissolved	EPA 200.8	1	0.00074			mg/L	0.0001	0.0005	02/20/25 17:00	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	281			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	6.3	B		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	287			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/20/25 0:00	calc
Sum of Anions			13.0			meq/L			03/20/25 0:00	calc
Sum of Cations			13			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	209		*	mg/L	5	10	02/24/25 13:38	jqr
Conductivity @25C	SM 2510 B-2011	1	1320			umhos/cm	1	10	02/19/25 6:25	jck
Fluoride	SM 4500-F C-2011	1	1.35		*	mg/L	0.15	0.35	02/28/25 19:21	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		128			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/06/25 2:58	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:34	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.5	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.7			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	748			mg/L	20	40	02/18/25 15:33	asn
Sulfate	ASTM D516-07/-11/-16	5	61.3		*	mg/L	5	25	02/24/25 11:34	jqr
TDS (calculated)	Calculation		778			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						03/20/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW 30

ACZ Sample ID: ***L93063-04***
Date Sampled: *02/11/25 09:08*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.104			mg/L	0.0002	0.001	02/20/25 17:05	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 17:05	aps
Calcium, dissolved	EPA 200.7	1	36.1			mg/L	0.1	0.5	02/27/25 17:48	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:48	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 17:05	aps
Magnesium, dissolved	EPA 200.7	1	6.86			mg/L	0.2	1	02/27/25 17:48	wtc
Manganese, dissolved	EPA 200.7	1	0.018	B		mg/L	0.01	0.05	02/27/25 17:48	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:23	rjw
Molybdenum, dissolved	EPA 200.8	1	0.374			mg/L	0.0002	0.0005	02/20/25 17:05	aps
Potassium, dissolved	EPA 200.7	1	9.99			mg/L	0.5	1	02/27/25 17:48	wtc
Selenium, dissolved	EPA 200.8	1	0.00102			mg/L	0.0001	0.00025	02/20/25 17:05	aps
Silica, dissolved	EPA 200.7	1	34.2			mg/L	0.2	1	02/27/25 17:48	wtc
Sodium, dissolved	EPA 200.7	1	236			mg/L	0.2	1	02/27/25 17:48	wtc
Uranium, dissolved	EPA 200.8	1	0.0243			mg/L	0.0001	0.0005	02/20/25 17:05	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	235			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	237			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/20/25 0:00	calc
Sum of Anions			13			meq/L			03/20/25 0:00	calc
Sum of Cations			13.0			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	234		*	mg/L	5	10	02/24/25 13:39	jqr
Conductivity @25C	SM 2510 B-2011	1	1410			umhos/cm	1	10	02/19/25 6:36	jck
Fluoride	SM 4500-F C-2011	1	1.47		*	mg/L	0.15	0.35	02/28/25 19:26	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		118			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/06/25 2:59	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:35	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.5	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.6			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	796			mg/L	20	40	02/18/25 15:38	asn
Sulfate	ASTM D516-07/-11/-16	5	91.6		*	mg/L	5	25	02/24/25 11:34	jqr
TDS (calculated)	Calculation		803			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.99						03/20/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW 32

ACZ Sample ID: ***L93063-05***
Date Sampled: *02/11/25 08:11*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0584			mg/L	0.0002	0.001	02/20/25 17:07	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 17:07	aps
Calcium, dissolved	EPA 200.7	1	37.2			mg/L	0.1	0.5	02/27/25 17:51	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:51	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 17:07	aps
Magnesium, dissolved	EPA 200.7	1	8.21			mg/L	0.2	1	02/27/25 17:51	wtc
Manganese, dissolved	EPA 200.7	1	0.017	B		mg/L	0.01	0.05	02/27/25 17:51	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:24	rjw
Molybdenum, dissolved	EPA 200.8	1	0.0407			mg/L	0.0002	0.0005	02/20/25 17:07	aps
Potassium, dissolved	EPA 200.7	1	13.0			mg/L	0.5	1	02/27/25 17:51	wtc
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	02/20/25 17:07	aps
Silica, dissolved	EPA 200.7	1	40.9			mg/L	0.2	1	02/27/25 17:51	wtc
Sodium, dissolved	EPA 200.7	1	231			mg/L	0.2	1	02/27/25 17:51	wtc
Uranium, dissolved	EPA 200.8	1	0.00136			mg/L	0.0001	0.0005	02/20/25 17:07	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	302			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	9.3	B		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	311			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.7			%			03/20/25 0:00	calc
Sum of Anions			14			meq/L			03/20/25 0:00	calc
Sum of Cations			13.0			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	229		*	mg/L	5	10	02/24/25 13:39	jqr
Conductivity @25C	SM 2510 B-2011	1	1370			umhos/cm	1	10	02/19/25 6:47	jck
Fluoride	SM 4500-F C-2011	1	1.51		*	mg/L	0.15	0.35	02/28/25 19:35	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		127			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/06/25 3:01	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:37	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.6	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.6			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	762			mg/L	20	40	02/18/25 15:43	asn
Sulfate	ASTM D516-07/-11/-16	1	38.6		*	mg/L	1	5	02/24/25 11:25	jqr
TDS (calculated)	Calculation		800			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						03/20/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Uranium Resources Inc.

ACZ Project ID: ***L93063***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93063-01	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607231	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606597	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93063-02	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607231	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606597	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93063-03	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607231	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606597	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93063-04	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607231	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606597	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

Inorganic Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93063***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93063-05	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607231	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606597	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 27
Locator:

ACZ Sample ID: ***L93063-01***
Date Sampled: *02/11/25 11:51*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:07		31	0.65	0.37	pCi/L	*	ang

REPRC.02.06.05.01

** Please refer to Qualifier Reports for details.*

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 28
Locator:

ACZ Sample ID: ***L93063-02***
Date Sampled: *02/11/25 11:06*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:08		110	1.2	0.35	pCi/L	*	ang

REPRC.02.06.05.01

** Please refer to Qualifier Reports for details.*

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 29
Locator:

ACZ Sample ID: ***L93063-03***
Date Sampled: *02/11/25 10:04*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:10		47	0.69	0.38	pCi/L	*	ang

REPRC.02.06.05.01

** Please refer to Qualifier Reports for details.*

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 30
Locator:

ACZ Sample ID: ***L93063-04***
Date Sampled: *02/11/25 9:08*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:11		7.4	0.27	0.33	pCi/L	*	ang

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 32
Locator:

ACZ Sample ID: ***L93063-05***
Date Sampled: *02/11/25 8:11*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:12		1.7	0.16	0.33	pCi/L	*	ang

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

RadChem Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93063***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93063-01	WG607191	Radium 226, dissolved	EPA 903.1	DJ	Sample dilution required due to insufficient sample.
			EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93063-02	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93063-03	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93063-04	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93063-05	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

Uranium Resources Inc. ACZ Project ID: ***L93063***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID: L93063
Date Received: 02/17/2025 15:38
Received By:
Date Printed: 2/19/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
2874	3.8	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID:	L93063
Date Received:	02/17/2025 15:38
Received By:	
Date Printed:	2/19/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L93063

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L93063 Chain of Custo... Y

Report to:

Name: Derrell Ezell	Address: 101 N. Shoreline Drive, Suite 450
Company: enCore Uranium LLC	Corpus Christi, TX 78401
E-mail: dezell@encoreuranium.com	Telephone: 361-2395449

Copy of Report to:

Name: Peter Luthiger	E-mail:
Company: pluthiger@encoreuranium.com	Telephone:

Invoice to:

Name: Kristine Canales	Address:
Company: URI, Inc.	
E-mail: kcanales@encoreuranium.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ☐ NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES ☐ NO ☐

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #: USC-PAA GW

Project/PO #: PO 4262

Reporting state for compliance testing:

Sampler's Name:

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	USC-PAA GW
MW 27	2/11/25 11:51	GW	5	X
MW 28	2/11/25 11:06	GW	5	X
MW 29	2/11/25 10:04	GW	5	X
MW 30	2/11/25 9:08	GW	5	X
MW 32	2/11/25 8:11	GW	5	X

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Lo Vela	2/12/25 15:30		2/12/25 1538

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 20, 2025

Report to:
Derrell Ezell
Uranium Resources Inc.
641 E FM 1118
Kingsville, TX 78363

Bill to:
Kristine Canales
Uranium Resources Inc.
641 E. FM 1118
Kingsville, TX 78363

cc: Heather Wells, Dain McCoig, Peter Luthiger, Lee Vela

Project ID:
ACZ Project ID: L93064

Derrell Ezell:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 17, 2025. This project has been assigned to ACZ's project number, L93064. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93064. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 19, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

Uranium Resources Inc.
Project ID:
Sample ID: MW 17

ACZ Sample ID: ***L93064-01***
Date Sampled: *02/11/25 16:02*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0774			mg/L	0.0002	0.001	02/20/25 17:09	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	02/20/25 17:09	aps
Calcium, dissolved	EPA 200.7	1	47.9			mg/L	0.1	0.5	02/27/25 17:54	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:54	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/20/25 17:09	aps
Magnesium, dissolved	EPA 200.7	1	8.93			mg/L	0.2	1	02/27/25 17:54	wtc
Manganese, dissolved	EPA 200.7	1	0.026	B		mg/L	0.01	0.05	02/27/25 17:54	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:25	rjw
Molybdenum, dissolved	EPA 200.8	1	0.281			mg/L	0.0002	0.0005	02/20/25 17:09	aps
Potassium, dissolved	EPA 200.7	1	12.8			mg/L	0.5	1	02/27/25 17:54	wtc
Selenium, dissolved	EPA 200.8	1	0.00027			mg/L	0.0001	0.00025	02/20/25 17:09	aps
Silica, dissolved	EPA 200.7	1	45.3			mg/L	0.2	1	02/27/25 17:54	wtc
Sodium, dissolved	EPA 200.7	1	260			mg/L	0.2	1	02/27/25 17:54	wtc
Uranium, dissolved	EPA 200.8	1	0.00946			mg/L	0.0001	0.0005	02/20/25 17:09	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	259			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	259			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.2			%			03/20/25 0:00	calc
Sum of Anions			16			meq/L			03/20/25 0:00	calc
Sum of Cations			15			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	331		*	mg/L	25	50	02/24/25 14:02	jqr
Conductivity @25C	SM 2510 B-2011	1	1590			umhos/cm	1	10	02/19/25 6:58	jck
Fluoride	SM 4500-F C-2011	1	1.32		*	mg/L	0.15	0.35	02/28/25 19:40	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		156			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.021	B	*	mg/L	0.02	0.1	03/07/25 1:41	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:38	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.5	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.6			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	888			mg/L	20	40	02/18/25 15:48	asn
Sulfate	ASTM D516-07/-11/-16	5	55.6		*	mg/L	5	25	02/19/25 13:33	jqr
TDS (calculated)	Calculation		933			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						03/20/25 0:00	calc

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 18

ACZ Sample ID: ***L93064-02***
Date Sampled: *02/11/25 15:03*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0577			mg/L	0.0002	0.001	02/25/25 13:46	gjl
Cadmium, dissolved	EPA 200.8	1	0.000076	B		mg/L	0.00005	0.00025	02/25/25 13:46	gjl
Calcium, dissolved	EPA 200.7	1	34.8			mg/L	0.1	0.5	02/27/25 17:57	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 17:57	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/25/25 13:46	gjl
Magnesium, dissolved	EPA 200.7	1	7.09			mg/L	0.2	1	02/27/25 17:57	wtc
Manganese, dissolved	EPA 200.7	1	0.016	B		mg/L	0.01	0.05	02/27/25 17:57	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:28	rjw
Molybdenum, dissolved	EPA 200.8	1	0.177			mg/L	0.0002	0.0005	02/25/25 13:46	gjl
Potassium, dissolved	EPA 200.7	1	9.08			mg/L	0.5	1	02/27/25 17:57	wtc
Selenium, dissolved	EPA 200.8	1	0.00109			mg/L	0.0001	0.00025	02/25/25 13:46	gjl
Silica, dissolved	EPA 200.7	1	41.0			mg/L	0.2	1	02/27/25 17:57	wtc
Sodium, dissolved	EPA 200.7	1	222			mg/L	0.2	1	02/27/25 17:57	wtc
Uranium, dissolved	EPA 200.8	1	0.00550			mg/L	0.0001	0.0005	02/25/25 13:46	gjl

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	265			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	265			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-4.0			%			03/20/25 0:00	calc
Sum of Anions			13			meq/L			03/20/25 0:00	calc
Sum of Cations			12			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	236		*	mg/L	5	10	02/24/25 13:40	jqr
Conductivity @25C	SM 2510 B-2011	1	1280			umhos/cm	1	10	02/19/25 7:09	jck
Fluoride	SM 4500-F C-2011	1	1.48		*	mg/L	0.15	0.35	02/28/25 19:45	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		116			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/07/25 1:42	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:40	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.4	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.5			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	724			mg/L	20	40	02/18/25 15:54	asn
Sulfate	ASTM D516-07/-11/-16	1	32.4		*	mg/L	1	5	02/19/25 13:21	jqr
TDS (calculated)	Calculation		757			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						03/20/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW 23

ACZ Sample ID: ***L93064-03***
Date Sampled: *02/11/25 14:24*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0604			mg/L	0.0002	0.001	02/25/25 13:49	gjl
Cadmium, dissolved	EPA 200.8	1	0.000069	B		mg/L	0.00005	0.00025	02/25/25 13:49	gjl
Calcium, dissolved	EPA 200.7	1	32.5			mg/L	0.1	0.5	02/27/25 18:00	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 18:00	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/25/25 13:49	gjl
Magnesium, dissolved	EPA 200.7	1	7.46			mg/L	0.2	1	02/27/25 18:00	wtc
Manganese, dissolved	EPA 200.7	1	0.015	B		mg/L	0.01	0.05	02/27/25 18:00	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:29	rjw
Molybdenum, dissolved	EPA 200.8	1	0.211			mg/L	0.0002	0.0005	02/25/25 13:49	gjl
Potassium, dissolved	EPA 200.7	1	9.07			mg/L	0.5	1	02/27/25 18:00	wtc
Selenium, dissolved	EPA 200.8	1	0.0257			mg/L	0.0001	0.00025	02/25/25 13:49	gjl
Silica, dissolved	EPA 200.7	1	41.3			mg/L	0.2	1	02/27/25 18:00	wtc
Sodium, dissolved	EPA 200.7	1	228			mg/L	0.2	1	02/27/25 18:00	wtc
Uranium, dissolved	EPA 200.8	1	0.186			mg/L	0.0001	0.0005	02/25/25 13:49	gjl

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	276			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	277			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/20/25 0:00	calc
Sum of Anions			13			meq/L			03/20/25 0:00	calc
Sum of Cations			13			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	221		*	mg/L	5	10	02/24/25 13:40	jqr
Conductivity @25C	SM 2510 B-2011	1	1310			umhos/cm	1	10	02/19/25 7:20	jck
Fluoride	SM 4500-F C-2011	1	1.47			mg/L	0.15	0.35	02/28/25 19:53	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		112			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/07/25 1:48	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:41	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.5	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.5			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	754			mg/L	20	40	02/18/25 15:59	asn
Sulfate	ASTM D516-07/-11/-16	5	45.5		*	mg/L	5	25	02/19/25 13:33	jqr
TDS (calculated)	Calculation		766			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.98						03/20/25 0:00	calc

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Inorganic Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 24

ACZ Sample ID: ***L93064-04***
Date Sampled: *02/11/25 13:40*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.110			mg/L	0.0002	0.001	02/25/25 13:51	gjl
Cadmium, dissolved	EPA 200.8	1	0.000138	B		mg/L	0.00005	0.00025	02/25/25 13:51	gjl
Calcium, dissolved	EPA 200.7	1	56.4			mg/L	0.1	0.5	02/27/25 18:03	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 18:03	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	02/25/25 13:51	gjl
Magnesium, dissolved	EPA 200.7	1	12.1			mg/L	0.2	1	02/27/25 18:03	wtc
Manganese, dissolved	EPA 200.7	1	0.021	B		mg/L	0.01	0.05	02/27/25 18:03	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:32	rjw
Molybdenum, dissolved	EPA 200.8	1	0.492			mg/L	0.0002	0.0005	02/25/25 13:51	gjl
Potassium, dissolved	EPA 200.7	1	12.4			mg/L	0.5	1	02/27/25 18:03	wtc
Selenium, dissolved	EPA 200.8	1	0.00111			mg/L	0.0001	0.00025	02/25/25 13:51	gjl
Silica, dissolved	EPA 200.7	1	43.4			mg/L	0.2	1	02/27/25 18:03	wtc
Sodium, dissolved	EPA 200.7	1	305			mg/L	0.2	1	02/27/25 18:03	wtc
Uranium, dissolved	EPA 200.8	1	0.0249			mg/L	0.0001	0.0005	02/25/25 13:51	gjl

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	279			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	279			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/20/25 0:00	calc
Sum of Anions			18			meq/L			03/20/25 0:00	calc
Sum of Cations			18			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	370		*	mg/L	25	50	02/24/25 14:02	jqr
Conductivity @25C	SM 2510 B-2011	1	1830			umhos/cm	1	10	02/19/25 7:31	jck
Fluoride	SM 4500-F C-2011	1	1.80			mg/L	0.15	0.35	02/28/25 20:07	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		191			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/07/25 1:49	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:43	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.2	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.5			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1060			mg/L	20	40	02/18/25 16:04	asn
Sulfate	ASTM D516-07/-11/-16	5	112		*	mg/L	5	25	02/19/25 13:34	jqr
TDS (calculated)	Calculation		1100			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						03/20/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW 25

ACZ Sample ID: ***L93064-05***
Date Sampled: *02/11/25 15:34*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.111			mg/L	0.0002	0.001	02/25/25 13:53	gjl
Cadmium, dissolved	EPA 200.8	1	0.000234	B		mg/L	0.00005	0.00025	02/25/25 13:53	gjl
Calcium, dissolved	EPA 200.7	1	129			mg/L	0.1	0.5	02/27/25 18:06	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	02/27/25 18:06	wtc
Lead, dissolved	EPA 200.8	10	<0.001	U	*	mg/L	0.001	0.005	02/26/25 11:01	gjl
Magnesium, dissolved	EPA 200.7	1	26.3			mg/L	0.2	1	02/27/25 18:06	wtc
Manganese, dissolved	EPA 200.7	1	0.056			mg/L	0.01	0.05	02/27/25 18:06	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/05/25 14:33	rjw
Molybdenum, dissolved	EPA 200.8	1	1.04			mg/L	0.0002	0.0005	02/25/25 13:53	gjl
Potassium, dissolved	EPA 200.7	1	19.8			mg/L	0.5	1	02/27/25 18:06	wtc
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	02/25/25 13:53	gjl
Silica, dissolved	EPA 200.7	1	48.4			mg/L	0.2	1	02/27/25 18:06	wtc
Sodium, dissolved	EPA 200.7	1	351			mg/L	0.2	1	02/27/25 18:06	wtc
Uranium, dissolved	EPA 200.8	10	0.0328			mg/L	0.001	0.005	02/26/25 11:01	gjl

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	541			mg/L	2	20	02/19/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	02/19/25 0:00	jck
Total Alkalinity		1	541			mg/L	2	20	02/19/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			6.4			%			03/20/25 0:00	calc
Sum of Anions			22			meq/L			03/20/25 0:00	calc
Sum of Cations			25			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	342		*	mg/L	25	50	02/24/25 14:03	jqr
Conductivity @25C	SM 2510 B-2011	1	2280			umhos/cm	1	10	02/19/25 7:41	jck
Fluoride	SM 4500-F C-2011	1	0.92			mg/L	0.15	0.35	03/07/25 21:21	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		430			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.020	B	*	mg/L	0.02	0.1	03/07/25 1:50	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	02/20/25 15:46	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.0	H		units	0.1	0.1	02/19/25 0:00	jck
pH measured at		1	24.5			C	0.1	0.1	02/19/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1630			mg/L	20	40	02/18/25 16:09	asn
Sulfate	ASTM D516-07/-11/-16	5	95.1		*	mg/L	5	25	02/19/25 13:34	jqr
TDS (calculated)	Calculation		1360			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.20						03/20/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

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Inorganic Extended Qualifier Report

Uranium Resources Inc. ACZ Project ID: ***L93064***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93064-01	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607310	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606383	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93064-02	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606898	Fluoride	SM 4500-F C-2011	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607310	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606383	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93064-03	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607310	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606383	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93064-04	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607310	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606383	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

Inorganic Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93064***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93064-05	WG606609	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG606743	Lead, dissolved	EPA 200.8	D5	Sample required dilution. Sample matrix causing internal standards to recover outside method limits.
			EPA 200.8	DC	Sample required dilution. Non-target analyte exceeded calibration range.
	WG607310	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606507	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606383	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 17
Locator:

ACZ Sample ID: ***L93064-01***
Date Sampled: *02/11/25 16:02*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:14		5.8	0.27	0.37	pCi/L	*	ang

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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 18
Locator:

ACZ Sample ID: ***L93064-02***
Date Sampled: *02/11/25 15:03*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:15		6.4	0.3	0.38	pCi/L	*	ang

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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 23
Locator:

ACZ Sample ID: ***L93064-03***
Date Sampled: *02/11/25 14:24*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:17		12	0.36	0.28	pCi/L	*	ang

** Please refer to Qualifier Reports for details.*

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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 24
Locator:

ACZ Sample ID: ***L93064-04***
Date Sampled: *02/11/25 13:40*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:18		28	0.59	0.32	pCi/L	*	ang

** Please refer to Qualifier Reports for details.*

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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW 25
Locator:

ACZ Sample ID: ***L93064-05***
Date Sampled: *02/11/25 15:34*
Date Received: *02/17/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:20		70	0.97	0.41	pCi/L	*	ang

** Please refer to Qualifier Reports for details.*

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadChem Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93064***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93064-01	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93064-02	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93064-03	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93064-04	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93064-05	WG607191	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

Uranium Resources Inc. ACZ Project ID: ***L93064***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID: L93064
Date Received: 02/17/2025 15:39
Received By:
Date Printed: 2/19/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
7218	3.8	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID:	L93064
Date Received:	02/17/2025 15:39
Received By:	
Date Printed:	2/19/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L93064

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L93064 Chain of Custo

Report to:

Name: Derrell Ezell
Company: enCore Uranium LLC
E-mail: dezell@encoreuranium.com
Address: 101 N. Shoreline Drive, Suite 450
Corpus Christi, TX 78401
Telephone: 361-2395449

Copy of Report to:

Name: Peter Luthiger
Company: pluthiger@encoreuranium.com
E-mail:
Telephone:

Invoice to:

Name: Kristine Canales
Company: URI, Inc.
E-mail: kcanales@encoreuranium.com
Address:
Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ☐ NO ☐
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES ☐ NO ☐
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #: USL - PAA GW
Project/PO #: PO 4262
Reporting state for compliance testing:
Sampler's Name:
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	USC-PAA GW
MW 17	2/11/25 16:02	GW	5	X
MW 18	2/11/25 15:03	GW	5	X
MW 23	2/11/25 14:24	GW	5	X
MW 24	2/11/25 13:40	GW	5	X
MW 25	2/11/25 15:34	GW	5	X

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Lee Vela	2/12/25 15:30		2/17/25 1539

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 20, 2025

Report to:
Derrell Ezell
Uranium Resources Inc.
641 E FM 1118
Kingsville, TX 78363

Bill to:
Kristine Canales
Uranium Resources Inc.
641 E. FM 1118
Kingsville, TX 78363

cc: Lee Vela, Heather Wells, Dain McCoig, Peter Luthiger

Project ID:
ACZ Project ID: L93222

Derrell Ezell:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 26, 2025. This project has been assigned to ACZ's project number, L93222. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93222. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 19, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-12A

ACZ Sample ID: ***L93222-01***
Date Sampled: *02/19/25 10:00*
Date Received: *02/26/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	5	<0.001	U		mg/L	0.001	0.005	03/03/25 18:04	aps
Cadmium, dissolved	EPA 200.8	5	<0.00025	U		mg/L	0.00025	0.00125	03/03/25 18:04	aps
Calcium, dissolved	EPA 200.7	1	65.3			mg/L	0.1	0.5	03/10/25 16:56	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/10/25 16:56	msp
Lead, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.0025	03/03/25 18:04	aps
Magnesium, dissolved	EPA 200.7	1	11.1			mg/L	0.2	1	03/10/25 16:56	msp
Manganese, dissolved	EPA 200.7	1	0.026	B		mg/L	0.01	0.05	03/10/25 16:56	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 14:05	rjw
Molybdenum, dissolved	EPA 200.8	5	0.00275			mg/L	0.001	0.0025	03/03/25 18:04	aps
Potassium, dissolved	EPA 200.7	1	10.9			mg/L	0.5	1	03/10/25 16:56	msp
Selenium, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.00125	03/03/25 18:04	aps
Silica, dissolved	EPA 200.7	1	36.6			mg/L	0.2	1	03/10/25 16:56	msp
Sodium, dissolved	EPA 200.7	1	250			mg/L	0.2	1	03/10/25 16:56	msp
Uranium, dissolved	EPA 200.8	5	0.00309			mg/L	0.0005	0.0025	03/03/25 18:04	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	247		*	mg/L	2	20	03/04/25 0:00	emk
Carbonate as CaCO3		1	<2	U	*	mg/L	2	20	03/04/25 0:00	emk
Hydroxide as CaCO3		1	<2	U	*	mg/L	2	20	03/04/25 0:00	emk
Total Alkalinity		1	247		*	mg/L	2	20	03/04/25 0:00	emk
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/20/25 0:00	calc
Sum of Anions			16			meq/L			03/20/25 0:00	calc
Sum of Cations			16			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	328		*	mg/L	25	50	03/04/25 13:43	jqr
Conductivity @25C	SM 2510 B-2011	1	1600		*	umhos/cm	1	10	03/04/25 1:23	emk
Fluoride	SM 4500-F C-2011	1	1.12		*	mg/L	0.15	0.35	03/11/25 19:32	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		209			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/13/25 1:39	pjb
Nitrogen, ammonia	EPA 350.1	1	0.100	B	*	mg/L	0.1	0.2	03/13/25 12:37	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.3	H		units	0.1	0.1	03/06/25 0:00	jck
pH measured at		1	21.3			C	0.1	0.1	03/06/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	892	H	*	mg/L	20	40	02/27/25 12:49	cob
Sulfate	ASTM D516-07/-11/-16	5	94.1		*	mg/L	5	25	03/03/25 11:43	jqr
TDS (calculated)	Calculation		958			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.93						03/20/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: BM-1B

ACZ Sample ID: ***L93222-02***
Date Sampled: *02/19/25 11:00*
Date Received: *02/26/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	5	<0.001	U		mg/L	0.001	0.005	03/03/25 18:06	aps
Cadmium, dissolved	EPA 200.8	5	<0.00025	U		mg/L	0.00025	0.00125	03/03/25 18:06	aps
Calcium, dissolved	EPA 200.7	1	71.0			mg/L	0.1	0.5	03/10/25 16:59	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/10/25 16:59	msp
Lead, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.0025	03/03/25 18:06	aps
Magnesium, dissolved	EPA 200.7	1	6.51			mg/L	0.2	1	03/10/25 16:59	msp
Manganese, dissolved	EPA 200.7	1	0.012	B		mg/L	0.01	0.05	03/10/25 16:59	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 14:06	rjw
Molybdenum, dissolved	EPA 200.8	5	0.00365			mg/L	0.001	0.0025	03/03/25 18:06	aps
Potassium, dissolved	EPA 200.7	1	17.3			mg/L	0.5	1	03/10/25 16:59	msp
Selenium, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.00125	03/03/25 18:06	aps
Silica, dissolved	EPA 200.7	1	21.9			mg/L	0.2	1	03/10/25 16:59	msp
Sodium, dissolved	EPA 200.7	1	249			mg/L	0.2	1	03/10/25 16:59	msp
Uranium, dissolved	EPA 200.8	5	0.00552			mg/L	0.0005	0.0025	03/03/25 18:06	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	226		*	mg/L	2	20	03/04/25 0:00	emk
Carbonate as CaCO3		1	11.0	B	*	mg/L	2	20	03/04/25 0:00	emk
Hydroxide as CaCO3		1	<2	U	*	mg/L	2	20	03/04/25 0:00	emk
Total Alkalinity		1	237		*	mg/L	2	20	03/04/25 0:00	emk
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/20/25 0:00	calc
Sum of Anions			16			meq/L			03/20/25 0:00	calc
Sum of Cations			16			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	306		*	mg/L	25	50	03/04/25 13:43	jqr
Conductivity @25C	SM 2510 B-2011	1	1630		*	umhos/cm	1	10	03/04/25 1:33	emk
Fluoride	SM 4500-F C-2011	1	1.33		*	mg/L	0.15	0.35	03/11/25 19:36	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		204			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/13/25 1:42	pjb
Nitrogen, ammonia	EPA 350.1	1	0.305		*	mg/L	0.1	0.2	03/13/25 12:39	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.5	H		units	0.1	0.1	03/06/25 0:00	jck
pH measured at		1	21.0			C	0.1	0.1	03/06/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	918	H	*	mg/L	20	40	02/27/25 12:52	cob
Sulfate	ASTM D516-07/-11/-16	5	145		*	mg/L	5	25	03/03/25 11:43	jqr
TDS (calculated)	Calculation		969			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						03/20/25 0:00	calc

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: BM-5

ACZ Sample ID: ***L93222-03***
Date Sampled: *02/19/25 12:00*
Date Received: *02/26/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	5	<0.001	U		mg/L	0.001	0.005	03/03/25 18:08	aps
Cadmium, dissolved	EPA 200.8	5	<0.00025	U		mg/L	0.00025	0.00125	03/03/25 18:08	aps
Calcium, dissolved	EPA 200.7	1	28.6			mg/L	0.1	0.5	03/10/25 17:08	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/10/25 17:08	msp
Lead, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.0025	03/03/25 18:08	aps
Magnesium, dissolved	EPA 200.7	1	2.59			mg/L	0.2	1	03/10/25 17:08	msp
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/10/25 17:08	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 14:07	rjw
Molybdenum, dissolved	EPA 200.8	5	0.00123	B		mg/L	0.001	0.0025	03/03/25 18:08	aps
Potassium, dissolved	EPA 200.7	1	16.2			mg/L	0.5	1	03/10/25 17:08	msp
Selenium, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.00125	03/03/25 18:08	aps
Silica, dissolved	EPA 200.7	1	26.7			mg/L	0.2	1	03/10/25 17:08	msp
Sodium, dissolved	EPA 200.7	1	243			mg/L	0.2	1	03/10/25 17:08	msp
Uranium, dissolved	EPA 200.8	5	0.0217			mg/L	0.0005	0.0025	03/03/25 18:08	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	130		*	mg/L	2	20	03/04/25 0:00	emk
Carbonate as CaCO3		1	<2	U	*	mg/L	2	20	03/04/25 0:00	emk
Hydroxide as CaCO3		1	<2	U	*	mg/L	2	20	03/04/25 0:00	emk
Total Alkalinity		1	130		*	mg/L	2	20	03/04/25 0:00	emk
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.7			%			03/20/25 0:00	calc
Sum of Anions			14			meq/L			03/20/25 0:00	calc
Sum of Cations			13			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	310		*	mg/L	25	50	03/04/25 13:43	jqr
Conductivity @25C	SM 2510 B-2011	1	1450		*	umhos/cm	1	10	03/04/25 1:42	emk
Fluoride	SM 4500-F C-2011	1	1.91		*	mg/L	0.15	0.35	03/11/25 19:39	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		82			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.199		*	mg/L	0.02	0.1	03/13/25 1:43	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/13/25 12:40	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.0	H		units	0.1	0.1	03/06/25 0:00	jck
pH measured at		1	21.0			C	0.1	0.1	03/06/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	788	H	*	mg/L	20	40	02/27/25 12:54	cob
Sulfate	ASTM D516-07/-11/-16	5	108		*	mg/L	5	25	03/03/25 11:44	jqr
TDS (calculated)	Calculation		824			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						03/20/25 0:00	calc

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: BM-6

ACZ Sample ID: ***L93222-04***
Date Sampled: *02/19/25 13:00*
Date Received: *02/26/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	5	<0.001	U		mg/L	0.001	0.005	03/03/25 18:10	aps
Cadmium, dissolved	EPA 200.8	5	<0.00025	U		mg/L	0.00025	0.00125	03/03/25 18:10	aps
Calcium, dissolved	EPA 200.7	1	29.0			mg/L	0.1	0.5	03/10/25 17:12	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/10/25 17:12	msp
Lead, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.0025	03/03/25 18:10	aps
Magnesium, dissolved	EPA 200.7	1	1.44			mg/L	0.2	1	03/10/25 17:12	msp
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/10/25 17:12	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/12/25 14:10	rjw
Molybdenum, dissolved	EPA 200.8	5	0.00929			mg/L	0.001	0.0025	03/03/25 18:10	aps
Potassium, dissolved	EPA 200.7	1	10.1			mg/L	0.5	1	03/10/25 17:12	msp
Selenium, dissolved	EPA 200.8	5	<0.0005	U		mg/L	0.0005	0.00125	03/03/25 18:10	aps
Silica, dissolved	EPA 200.7	1	22.2			mg/L	0.2	1	03/10/25 17:12	msp
Sodium, dissolved	EPA 200.7	1	257			mg/L	0.2	1	03/10/25 17:12	msp
Uranium, dissolved	EPA 200.8	5	0.0173			mg/L	0.0005	0.0025	03/03/25 18:10	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	107		*	mg/L	2	20	03/04/25 0:00	emk
Carbonate as CaCO3		1	<2	U	*	mg/L	2	20	03/04/25 0:00	emk
Hydroxide as CaCO3		1	<2	U	*	mg/L	2	20	03/04/25 0:00	emk
Total Alkalinity		1	107		*	mg/L	2	20	03/04/25 0:00	emk
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.7			%			03/20/25 0:00	calc
Sum of Anions			14			meq/L			03/20/25 0:00	calc
Sum of Cations			13			meq/L			03/20/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	315		*	mg/L	25	50	03/04/25 13:44	jqr
Conductivity @25C	SM 2510 B-2011	1	1490		*	umhos/cm	1	10	03/04/25 1:52	emk
Fluoride	SM 4500-F C-2011	1	1.86		*	mg/L	0.15	0.35	03/11/25 19:43	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		78			mg/L	0.2	5	03/20/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.166		*	mg/L	0.02	0.1	03/13/25 1:44	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/13/25 12:42	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.1	H		units	0.1	0.1	03/06/25 0:00	jck
pH measured at		1	21.1			C	0.1	0.1	03/06/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	820	H	*	mg/L	20	40	02/27/25 12:57	cob
Sulfate	ASTM D516-07/-11/-16	5	151		*	mg/L	5	25	03/03/25 11:45	jqr
TDS (calculated)	Calculation		859			mg/L			03/20/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						03/20/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

REP001.03.15.02

Inorganic Extended Qualifier Report

Uranium Resources Inc. ACZ Project ID: ***L93222***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93222-01	WG607063	Bicarbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607109	Chloride	SM 4500-Cl E-2011	Q6	Sample was received above recommended temperature.
	WG607063	Conductivity @25C	SM 2510 B-2011	Q6	Sample was received above recommended temperature.
			SM 2510 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607526	Fluoride	SM 4500-F C-2011	Q6	Sample was received above recommended temperature.
	WG607063	Hydroxide as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607629	Nitrate/Nitrite as N	EPA 353.2	Q6	Sample was received above recommended temperature.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607689	Nitrogen, ammonia	EPA 350.1	Q6	Sample was received above recommended temperature.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606857	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			SM 2540 C-2011	Q6	Sample was received above recommended temperature.
	WG607007	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q6	Sample was received above recommended temperature.
	WG607063	Total Alkalinity	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
			SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Inorganic Extended Qualifier Report

Uranium Resources Inc. ACZ Project ID: ***L93222***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93222-02	WG607063	Bicarbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607109	Chloride	SM 4500-Cl E-2011	Q6	Sample was received above recommended temperature.
	WG607063	Conductivity @25C	SM 2510 B-2011	Q6	Sample was received above recommended temperature.
			SM 2510 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607526	Fluoride	SM 4500-F C-2011	Q6	Sample was received above recommended temperature.
	WG607063	Hydroxide as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607629	Nitrate/Nitrite as N	EPA 353.2	Q6	Sample was received above recommended temperature.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607689	Nitrogen, ammonia	EPA 350.1	Q6	Sample was received above recommended temperature.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606857	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			SM 2540 C-2011	Q6	Sample was received above recommended temperature.
	WG607007	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q6	Sample was received above recommended temperature.
	WG607063	Total Alkalinity	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
			SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Uranium Resources Inc. ACZ Project ID: ***L93222***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93222-03	WG607063	Bicarbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607109	Chloride	SM 4500-Cl E-2011	Q6	Sample was received above recommended temperature.
	WG607063	Conductivity @25C	SM 2510 B-2011	Q6	Sample was received above recommended temperature.
			SM 2510 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607526	Fluoride	SM 4500-F C-2011	Q6	Sample was received above recommended temperature.
	WG607063	Hydroxide as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607629	Nitrate/Nitrite as N	EPA 353.2	Q6	Sample was received above recommended temperature.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607689	Nitrogen, ammonia	EPA 350.1	Q6	Sample was received above recommended temperature.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606857	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			SM 2540 C-2011	Q6	Sample was received above recommended temperature.
	WG607007	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q6	Sample was received above recommended temperature.
	WG607063	Total Alkalinity	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
			SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Uranium Resources Inc. ACZ Project ID: ***L93222***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93222-04	WG607063	Bicarbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607109	Chloride	SM 4500-Cl E-2011	Q6	Sample was received above recommended temperature.
	WG607063	Conductivity @25C	SM 2510 B-2011	Q6	Sample was received above recommended temperature.
			SM 2510 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607526	Fluoride	SM 4500-F C-2011	Q6	Sample was received above recommended temperature.
	WG607063	Hydroxide as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607629	Nitrate/Nitrite as N	EPA 353.2	Q6	Sample was received above recommended temperature.
			EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607689	Nitrogen, ammonia	EPA 350.1	Q6	Sample was received above recommended temperature.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG606857	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			SM 2540 C-2011	Q6	Sample was received above recommended temperature.
	WG607007	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q6	Sample was received above recommended temperature.
	WG607063	Total Alkalinity	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
			SM 2320 B-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-12A
Locator:

ACZ Sample ID: ***L93222-01***
Date Sampled: *02/19/25 10:00*
Date Received: *02/26/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:17		330	1.9	0.2	pCi/L	*	ang

** Please refer to Qualifier Reports for details.*

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: BM-1B
Locator:

ACZ Sample ID: ***L93222-02***
Date Sampled: *02/19/25 11:00*
Date Received: *02/26/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:18		190	1.5	0.26	pCi/L	*	ang

REPRC.02.06.05.01

** Please refer to Qualifier Reports for details.*

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: BM-5
Locator:

ACZ Sample ID: ***L93222-03***
Date Sampled: *02/19/25 12:00*
Date Received: *02/26/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:20		290	1.8	0.68	pCi/L	*	ang

ACZ **Laboratories, Inc.**
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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: BM-6
Locator:

ACZ Sample ID: ***L93222-04***
Date Sampled: *02/19/25 13:00*
Date Received: *02/26/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:21		0.34	0.11	0.46	pCi/L	*	ang

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

RadChem Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93222***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93222-01	WG607392	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93222-02	WG607392	Radium 226, dissolved	EPA 903.1	RM	For a water matrix, the duplicate precision assessment (RPD or RER) exceeded the control limit. High sediment, turbidity, or presence of an immiscible liquid attributed to non-homogeneity of the sample.
L93222-03	WG607392	Radium 226, dissolved	EPA 903.1	RM	For a water matrix, the duplicate precision assessment (RPD or RER) exceeded the control limit. High sediment, turbidity, or presence of an immiscible liquid attributed to non-homogeneity of the sample.
L93222-04	WG607392	Radium 226, dissolved	EPA 903.1	DJ	Sample dilution required due to insufficient sample.
			EPA 903.1	RM	For a water matrix, the duplicate precision assessment (RPD or RER) exceeded the control limit. High sediment, turbidity, or presence of an immiscible liquid attributed to non-homogeneity of the sample.

Certification Qualifiers

Uranium Resources Inc.

ACZ Project ID: ***L93222***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID: L93222
Date Received: 02/26/2025 11:36
Received By:
Date Printed: 2/27/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
7761	13.4	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID:	L93222
Date Received:	02/26/2025 11:36
Received By:	
Date Printed:	2/27/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L93222

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Derrell Ezell	Address: 101 N. Shoreline Drive, Suite 450
Company: enCore Uranium LLC	Corpus Christi, TX 78401
E-mail: dezell@encoreuranium.com	Telephone: 361-2395449

Copy of Report to:

Name: Peter Luthiger	E-mail:
Company: pluthiger@encoreuranium.com	Telephone:

Invoice to:

Name: Kristine Canales	Address:
Company: URI, Inc.	
E-mail: kcanales@encoreuranium.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ☐ NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES ☐ NO ☐

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #: USC - PAA GW

Project/PO #: 4262

Reporting state for compliance testing:

Sampler's Name:

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	USC-PAA GW							
MW-12A	2/19/25 10:00	GW	5	x							
BM-1B	2/19/25 11:00	GW	5	X							
BM-5	2/19/25 12:00	GW	5	X							
BM-6	2/19/25 13:00	GW	5	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
[signature]	2/20/25 1530	JB	2/27/25 10:07

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Revised Analytical Report

March 31, 2025

Report to:
Peter Luthiger
EFR Alta Mesa LLC
755 CR 315
Encino, TX 78353

Bill to:
Kristine Canales
EFR Alta Mesa LLC
755 CR 315
Encino, TX 78353

cc: Felipe Matinez, Kristine Canales, Derrell Ezell, Lee Vela

Project ID:
ACZ Project ID: L93280

Peter Luthiger:

Enclosed are revised analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 03, 2025 and originally reported on March 26, 2025. Refer to the case narrative for an explanation of the changes. This project was assigned to ACZ's project number, L93280. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93280. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 25, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than $10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

Mark McNeal
Mark McNeal has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Case Narrative

EFR Alta Mesa LLC

March 31, 2025

Project ID:
ACZ Project ID: L93280

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 5 groundwater samples from EFR Alta Mesa LLC on March 3, 2025. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L93280. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic, radiochemistry parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports.

This project was revised on 03/31/25 to change the sample ID for L93280-05. No other changes were made.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-2B

ACZ Sample ID: ***L93280-01***
Date Sampled: *02/24/25 14:13*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00921			mg/L	0.0002	0.001	03/05/25 14:27	aps
Cadmium, dissolved	EPA 200.8	1	0.000069	B		mg/L	0.00005	0.00025	03/05/25 14:27	aps
Calcium, dissolved	EPA 200.7	1	59.2			mg/L	0.1	0.5	03/13/25 18:10	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/13/25 18:10	wtc
Lead, dissolved	EPA 200.8	1	0.00017	B		mg/L	0.0001	0.0005	03/05/25 14:27	aps
Magnesium, dissolved	EPA 200.7	1	12.7			mg/L	0.2	1	03/13/25 18:10	wtc
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/13/25 18:10	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/18/25 12:45	rjw
Molybdenum, dissolved	EPA 200.8	1	0.525			mg/L	0.0002	0.0005	03/12/25 16:28	aps
Potassium, dissolved	EPA 200.7	1	11.0			mg/L	0.5	1	03/13/25 18:10	wtc
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	03/17/25 14:46	aps
Silica, dissolved	EPA 200.7	1	41.8			mg/L	0.2	1	03/17/25 17:59	msp
Sodium, dissolved	EPA 200.7	1	266			mg/L	0.2	1	03/13/25 18:10	wtc
Uranium, dissolved	EPA 200.8	1	0.0853		*	mg/L	0.0001	0.0005	03/05/25 14:27	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	311			mg/L	2	20	03/06/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Total Alkalinity		1	312			mg/L	2	20	03/06/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.0			%			03/31/25 0:00	calc
Sum of Anions			17			meq/L			03/31/25 0:00	calc
Sum of Cations			16.0			meq/L			03/31/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	236		*	mg/L	5	10	03/04/25 15:16	jqr
Conductivity @25C	SM 2510 B-2011	1	1590			umhos/cm	1	10	03/06/25 5:42	jck
Fluoride	SM 4500-F C-2011	1	1.02			mg/L	0.15	0.35	03/11/25 20:54	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		200			mg/L	0.2	5	03/31/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.030	B	*	mg/L	0.02	0.1	03/20/25 0:28	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/19/25 13:10	ems
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.4	H		units	0.1	0.1	03/06/25 0:00	jck
pH measured at		1	21.2			C	0.1	0.1	03/06/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	950	H	*	mg/L	20	40	03/04/25 16:35	asn
Sulfate	ASTM D516-07/-11/-16	5	171		*	mg/L	5	25	03/06/25 12:55	jqr
TDS (calculated)	Calculation		1000			mg/L			03/31/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						03/31/25 0:00	calc

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-4A

ACZ Sample ID: ***L93280-02***
Date Sampled: *02/24/25 15:27*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.121			mg/L	0.0002	0.001	03/05/25 14:29	aps
Cadmium, dissolved	EPA 200.8	1	0.000633			mg/L	0.00005	0.00025	03/05/25 14:29	aps
Calcium, dissolved	EPA 200.7	1	75.4			mg/L	0.1	0.5	03/13/25 18:13	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/13/25 18:13	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/05/25 14:29	aps
Magnesium, dissolved	EPA 200.7	1	10.3			mg/L	0.2	1	03/13/25 18:13	wtc
Manganese, dissolved	EPA 200.7	1	0.011	B		mg/L	0.01	0.05	03/13/25 18:13	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/18/25 12:48	rjw
Molybdenum, dissolved	EPA 200.8	20	4.46			mg/L	0.004	0.01	03/12/25 16:30	aps
Potassium, dissolved	EPA 200.7	1	15.2			mg/L	0.5	1	03/13/25 18:13	wtc
Selenium, dissolved	EPA 200.8	1	0.0367		*	mg/L	0.0001	0.00025	03/05/25 14:29	aps
Silica, dissolved	EPA 200.7	1	26.6			mg/L	0.2	1	03/17/25 18:01	msp
Sodium, dissolved	EPA 200.7	1	316			mg/L	0.2	1	03/13/25 18:13	wtc
Uranium, dissolved	EPA 200.8	20	2.01			mg/L	0.002	0.01	03/12/25 16:30	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	210			mg/L	2	20	03/06/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Total Alkalinity		1	210			mg/L	2	20	03/06/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-2.6			%			03/31/25 0:00	calc
Sum of Anions			20			meq/L			03/31/25 0:00	calc
Sum of Cations			19			meq/L			03/31/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	343		*	mg/L	25	50	03/04/25 15:41	jqr
Conductivity @25C	SM 2510 B-2011	1	1910			umhos/cm	1	10	03/06/25 5:50	jck
Fluoride	SM 4500-F C-2011	1	1.30			mg/L	0.15	0.35	03/11/25 20:57	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		231			mg/L	0.2	5	03/31/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.024	B	*	mg/L	0.02	0.1	03/20/25 0:31	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/19/25 13:12	ems
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.2	H		units	0.1	0.1	03/06/25 0:00	jck
pH measured at		1	21.6			C	0.1	0.1	03/06/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1180	H	*	mg/L	20	40	03/04/25 16:40	asn
Sulfate	ASTM D516-07/-11/-16	25	268		*	mg/L	25	125	03/06/25 13:15	jqr
TDS (calculated)	Calculation		1190			mg/L			03/31/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.99						03/31/25 0:00	calc

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-5A

ACZ Sample ID: ***L93280-03***
Date Sampled: *02/21/25 16:00*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.333			mg/L	0.0002	0.001	03/05/25 14:31	aps
Cadmium, dissolved	EPA 200.8	1	0.00149			mg/L	0.00005	0.00025	03/05/25 14:31	aps
Calcium, dissolved	EPA 200.7	1	73.2			mg/L	0.1	0.5	03/13/25 18:17	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/13/25 18:17	wtc
Lead, dissolved	EPA 200.8	1	0.00065			mg/L	0.0001	0.0005	03/05/25 14:31	aps
Magnesium, dissolved	EPA 200.7	1	10.6			mg/L	0.2	1	03/13/25 18:17	wtc
Manganese, dissolved	EPA 200.7	1	0.012	B		mg/L	0.01	0.05	03/13/25 18:17	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/18/25 12:49	rjw
Molybdenum, dissolved	EPA 200.8	50	10.6			mg/L	0.01	0.025	03/12/25 16:32	aps
Potassium, dissolved	EPA 200.7	1	14.1			mg/L	0.5	1	03/13/25 18:17	wtc
Selenium, dissolved	EPA 200.8	1	1.98		*	mg/L	0.0001	0.00025	03/05/25 14:31	aps
Silica, dissolved	EPA 200.7	1	17.3			mg/L	0.2	1	03/17/25 18:03	msp
Sodium, dissolved	EPA 200.7	1	283			mg/L	0.2	1	03/13/25 18:17	wtc
Uranium, dissolved	EPA 200.8	1	1.16		*	mg/L	0.0001	0.0005	03/05/25 14:31	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	193			mg/L	2	20	03/06/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Total Alkalinity		1	193			mg/L	2	20	03/06/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-2.9			%			03/31/25 0:00	calc
Sum of Anions			18			meq/L			03/31/25 0:00	calc
Sum of Cations			17			meq/L			03/31/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	372		*	mg/L	25	50	03/04/25 15:41	jqr
Conductivity @25C	SM 2510 B-2011	1	1790			umhos/cm	1	10	03/06/25 5:59	jck
Fluoride	SM 4500-F C-2011	1	1.26			mg/L	0.15	0.35	03/11/25 21:12	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		226			mg/L	0.2	5	03/31/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.033	B	*	mg/L	0.02	0.1	03/20/25 0:33	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/19/25 13:13	ems
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.4	H		units	0.1	0.1	03/06/25 0:00	jck
pH measured at		1	21.4			C	0.1	0.1	03/06/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1070	H	*	mg/L	20	40	03/04/25 16:45	asn
Sulfate	ASTM D516-07/-11/-16	5	178		*	mg/L	5	25	03/06/25 12:56	jqr
TDS (calculated)	Calculation		1070			mg/L			03/31/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.00						03/31/25 0:00	calc

EFR Alta Mesa LLC
Project ID:
Sample ID: BM-3

ACZ Sample ID: ***L93280-04***
Date Sampled: *02/24/25 15:00*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.119			mg/L	0.0002	0.001	03/06/25 12:56	gjl
Cadmium, dissolved	EPA 200.8	1	0.00144			mg/L	0.00005	0.00025	03/06/25 12:56	gjl
Calcium, dissolved	EPA 200.7	1	77.7			mg/L	0.1	0.5	03/13/25 18:32	wtc
Iron, dissolved	EPA 200.7	1	0.274			mg/L	0.06	0.15	03/13/25 18:32	wtc
Lead, dissolved	EPA 200.8	1	0.00011	B		mg/L	0.0001	0.0005	03/06/25 12:56	gjl
Magnesium, dissolved	EPA 200.7	1	7.48			mg/L	0.2	1	03/13/25 18:32	wtc
Manganese, dissolved	EPA 200.7	1	0.014	B		mg/L	0.01	0.05	03/13/25 18:32	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/18/25 12:52	rjw
Molybdenum, dissolved	EPA 200.8	50	6.12			mg/L	0.01	0.025	03/07/25 8:58	gjl
Potassium, dissolved	EPA 200.7	1	20.9			mg/L	0.5	1	03/13/25 18:32	wtc
Selenium, dissolved	EPA 200.8	1	0.157		*	mg/L	0.0001	0.00025	03/06/25 12:56	gjl
Silica, dissolved	EPA 200.7	1	19.8			mg/L	0.2	1	03/17/25 18:08	msp
Sodium, dissolved	EPA 200.7	1	273			mg/L	0.2	1	03/13/25 18:32	wtc
Uranium, dissolved	EPA 200.8	50	5.92			mg/L	0.005	0.025	03/07/25 8:58	gjl

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	209			mg/L	2	20	03/06/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Total Alkalinity		1	209			mg/L	2	20	03/06/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-2.9			%			03/31/25 0:00	calc
Sum of Anions			18			meq/L			03/31/25 0:00	calc
Sum of Cations			17			meq/L			03/31/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	354		*	mg/L	25	50	03/04/25 15:41	jqr
Conductivity @25C	SM 2510 B-2011	1	1760			umhos/cm	1	10	03/06/25 6:08	jck
Fluoride	SM 4500-F C-2011	1	1.46			mg/L	0.15	0.35	03/11/25 21:16	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		225			mg/L	0.2	5	03/31/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/20/25 0:35	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/19/25 13:15	ems
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.1	H		units	0.1	0.1	03/06/25 0:00	jck
pH measured at		1	20.7			C	0.1	0.1	03/06/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1030	H	*	mg/L	20	40	03/04/25 16:50	asn
Sulfate	ASTM D516-07/-11/-16	5	177		*	mg/L	5	25	03/06/25 12:57	jqr
TDS (calculated)	Calculation		1060			mg/L			03/31/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.97						03/31/25 0:00	calc

EFR Alta Mesa LLC
Project ID:
Sample ID: BL-7A

ACZ Sample ID: ***L93280-05***
Date Sampled: *02/24/25 14:28*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0860			mg/L	0.0002	0.001	03/06/25 12:58	gjl
Cadmium, dissolved	EPA 200.8	1	0.000618			mg/L	0.00005	0.00025	03/06/25 12:58	gjl
Calcium, dissolved	EPA 200.7	1	39.2			mg/L	0.1	0.5	03/18/25 17:24	wtc
Iron, dissolved	EPA 200.7	1	<0.06	U	*	mg/L	0.06	0.15	03/18/25 17:24	wtc
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/06/25 12:58	gjl
Magnesium, dissolved	EPA 200.7	1	5.52			mg/L	0.2	1	03/18/25 17:24	wtc
Manganese, dissolved	EPA 200.7	1	<0.01	U	*	mg/L	0.01	0.05	03/18/25 17:24	wtc
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/18/25 12:53	rjw
Molybdenum, dissolved	EPA 200.8	20	3.08			mg/L	0.004	0.01	03/07/25 9:00	gjl
Potassium, dissolved	EPA 200.7	1	14.2			mg/L	0.5	1	03/18/25 17:24	wtc
Selenium, dissolved	EPA 200.8	1	0.0168		*	mg/L	0.0001	0.00025	03/06/25 12:58	gjl
Silica, dissolved	EPA 200.7	1	19.7			mg/L	0.2	1	03/19/25 19:56	wtc
Sodium, dissolved	EPA 200.7	1	303			mg/L	0.2	1	03/18/25 17:24	wtc
Uranium, dissolved	EPA 200.8	1	0.944			mg/L	0.0001	0.0005	03/06/25 12:58	gjl

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	104			mg/L	2	20	03/06/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/06/25 0:00	jck
Total Alkalinity		1	104			mg/L	2	20	03/06/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.0			%			03/31/25 0:00	calc
Sum of Anions			17			meq/L			03/31/25 0:00	calc
Sum of Cations			16			meq/L			03/31/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	386		*	mg/L	25	50	03/04/25 15:42	jqr
Conductivity @25C	SM 2510 B-2011	1	1790			umhos/cm	1	10	03/06/25 6:18	jck
Fluoride	SM 4500-F C-2011	1	2.06			mg/L	0.15	0.35	03/11/25 21:20	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		121			mg/L	0.2	5	03/31/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.028	B	*	mg/L	0.02	0.1	03/20/25 0:36	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/19/25 13:16	ems
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.2	H		units	0.1	0.1	03/06/25 0:00	jck
pH measured at		1	20.6			C	0.1	0.1	03/06/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1020	H	*	mg/L	20	40	03/04/25 16:55	asn
Sulfate	ASTM D516-07/-11/-16	5	183		*	mg/L	5	25	03/06/25 12:58	jqr
TDS (calculated)	Calculation		1020			mg/L			03/31/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.00						03/31/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).
	Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value.
	The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

REP001.03.15.02

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

EFR Alta Mesa LLC ACZ Project ID: ***L93280***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93280-01	WG607124	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG608063	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608029	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607133	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607258	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607166	Uranium, dissolved	EPA 200.8	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
L93280-02	WG607124	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG608063	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608029	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607133	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607166	Selenium, dissolved	EPA 200.8	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			EPA 200.8	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607258	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

EFR Alta Mesa LLC ACZ Project ID: ***L93280***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93280-03	WG607124	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG608063	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608029	Nitrogen, ammonia	EPA 350.1	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607133	Residue, Filterable (TDS) @180C	SM 2540 C-2011	H3	Sample was received and analyzed past holding time.
			SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607166	Selenium, dissolved	EPA 200.8	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			EPA 200.8	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607258	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607166	Uranium, dissolved	EPA 200.8	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
L93280-04	WG607124	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG608063	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608029	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607133	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607233	Selenium, dissolved	EPA 200.8	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
	WG607258	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

EFR Alta Mesa LLC

ACZ Project ID: ***L93280***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93280-05	WG607124	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607974	Iron, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
		Manganese, dissolved	EPA 200.7	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG608063	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608029	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607133	Residue, Filterable (TDS) @180C	SM 2540 C-2011	HE	Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions).
			SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607233	Selenium, dissolved	EPA 200.8	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
	WG607258	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-2B
Locator:

ACZ Sample ID: ***L93280-01***
Date Sampled: *02/24/25 14:13*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:31		26	0.61	0.35	pCi/L	*	ang

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-4A
Locator:

ACZ Sample ID: ***L93280-02***
Date Sampled: *02/24/25 15:27*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:33		16	0.46	0.3	pCi/L	*	ang

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-5A
Locator:

ACZ Sample ID: ***L93280-03***
Date Sampled: *02/21/25 16:00*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/19/25 0:34		46	0.73	0.12	pCi/L	*	ang

ACZ Laboratories, Inc.
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RadioChemistry Analytical Results

EFR Alta Mesa LLC
Project ID:
Sample ID: BM-3
Locator:

ACZ Sample ID: ***L93280-04***
Date Sampled: *02/24/25 15:00*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:12		930	3.9	0.84	pCi/L	*	ang

EFR Alta Mesa LLC
Project ID:
Sample ID: BL-7A
Locator:

ACZ Sample ID: ***L93280-05***
Date Sampled: *02/24/25 14:28*
Date Received: *03/03/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:14		120	1.4	0.58	pCi/L	*	ang

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

RadChem Extended Qualifier Report

EFR Alta Mesa LLC

ACZ Project ID: ***L93280***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93280-01	NG607392	Radium 226, dissolved	EPA 903.1	DJ	Sample dilution required due to insufficient sample.
			EPA 903.1	RM	For a water matrix, the duplicate precision assessment (RPD or RER) exceeded the control limit. High sediment, turbidity, or presence of an immiscible liquid attributed to non-homogeneity of the sample.
L93280-02	NG607392	Radium 226, dissolved	EPA 903.1	RM	For a water matrix, the duplicate precision assessment (RPD or RER) exceeded the control limit. High sediment, turbidity, or presence of an immiscible liquid attributed to non-homogeneity of the sample.
L93280-03	NG607392	Radium 226, dissolved	EPA 903.1	RM	For a water matrix, the duplicate precision assessment (RPD or RER) exceeded the control limit. High sediment, turbidity, or presence of an immiscible liquid attributed to non-homogeneity of the sample.
L93280-04	NG608003	Radium 226, dissolved	EPA 903.1	DJ	Sample dilution required due to insufficient sample.
			EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93280-05	NG608003	Radium 226, dissolved	EPA 903.1	DJ	Sample dilution required due to insufficient sample.
			EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

Certification Qualifiers

EFR Alta Mesa LLC ACZ Project ID: ***L93280***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

EFR Alta Mesa LLC

ACZ Project ID: L93280
Date Received: 03/03/2025 11:35
Received By:
Date Printed: 3/4/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
7496	1.2	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
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Sample Receipt

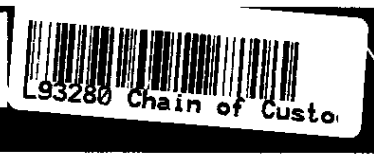
EFR Alta Mesa LLC

ACZ Project ID:	L93280
Date Received:	03/03/2025 11:35
Received By:	
Date Printed:	3/4/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

L93280



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Report to:

Name: Derrell Ezell	Address: 101 N. Shoreline Drive, Suite 450
Company: enCore Uranium LLC	Corpus Christi, TX 78401
E-mail: dezell@encoreuranium.com	Telephone: 361-2395449

Copy of Report to:

Name: Peter Luthiger	E-mail:
Company: pluthiger@encoreuranium.com	Telephone:

Invoice to:

Name: Kristine Canales	Address:
Company: URI, Inc.	
E-mail: kcanales@encoreuranium.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ☑ NO ☐
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES ☐ NO ☑
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION — ANALYSES REQUESTED (Attach list or use Quote #)

Quote #: USC-PAA GW
Project/PO #: 4262
Reporting state for compliance testing:
Sampler's Name:
Are any samples NRC licensable material? Yes No

SAMPLE IDENTIFICATION	DATE TIME	Matrix	# of Containers	USC-PAA GW							
MW-28	2/24/25 14:13	GW	5	x							
MW-4A	2/24/25 15:27	GW	5	x							
MW-5A	2/21/25 16:00	GW	5	x							
BM-3	2/24/25 15 00	GW	5	x							
BM-7	2/24/25 14 28	GW	5	x							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please send copy of report to Lee Vela. lvela@encoreuranium.com

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY	DATE/TIME
Joshua Garcia	2/26/25 10 30		3/3/25 11:35

FRMADO[illegible]15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 28, 2025

Report to:
Derrell Ezell
Uranium Resources Inc.
641 E FM 1118
Kingsville, TX 78363

Bill to:
Kristine Canales
Uranium Resources Inc.
641 E. FM 1118
Kingsville, TX 78363

cc: Heather Wells, Dain McCoig, Peter Luthiger, Lee Vela

Project ID:
ACZ Project ID: L93372

Derrell Ezell:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 06, 2025. This project has been assigned to ACZ's project number, L93372. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93372. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 27, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

Uranium Resources Inc.
Project ID:
Sample ID: MW-13A

ACZ Sample ID: ***L93372-01***
Date Sampled: *02/26/25 17:00*
Date Received: *03/06/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0478			mg/L	0.0002	0.001	03/17/25 18:48	aps
Cadmium, dissolved	EPA 200.8	1	0.000492			mg/L	0.00005	0.00025	03/17/25 18:48	aps
Calcium, dissolved	EPA 200.7	1	105		*	mg/L	0.1	0.5	03/26/25 13:37	msp
Iron, dissolved	EPA 200.7	1	0.297			mg/L	0.06	0.15	03/26/25 13:37	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/17/25 18:48	aps
Magnesium, dissolved	EPA 200.7	1	17.2			mg/L	0.2	1	03/26/25 13:37	msp
Manganese, dissolved	EPA 200.7	1	0.023	B		mg/L	0.01	0.05	03/26/25 13:37	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/19/25 13:57	rjw
Molybdenum, dissolved	EPA 200.8	20	2.83			mg/L	0.004	0.01	03/27/25 18:18	aps
Potassium, dissolved	EPA 200.7	1	19.7			mg/L	0.5	1	03/26/25 13:37	msp
Selenium, dissolved	EPA 200.8	20	0.00368	B		mg/L	0.002	0.005	03/27/25 18:18	aps
Silica, dissolved	EPA 200.7	1	27.7		*	mg/L	0.2	1	03/26/25 13:37	msp
Sodium, dissolved	EPA 200.7	1	227			mg/L	0.2	1	03/26/25 13:37	msp
Uranium, dissolved	EPA 200.8	20	3.59			mg/L	0.002	0.01	03/27/25 18:18	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	307		*	mg/L	2	20	03/07/25 0:00	jck
Carbonate as CaCO3		1	<2	U	*	mg/L	2	20	03/07/25 0:00	jck
Hydroxide as CaCO3		1	<2	U	*	mg/L	2	20	03/07/25 0:00	jck
Total Alkalinity		1	307		*	mg/L	2	20	03/07/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-8.1			%			03/28/25 0:00	calc
Sum of Anions			20			meq/L			03/28/25 0:00	calc
Sum of Cations			17			meq/L			03/28/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	389		*	mg/L	25	50	03/10/25 13:50	jqr
Conductivity @25C	SM 2510 B-2011	1	1960		*	umhos/cm	1	10	03/07/25 8:01	jck
Fluoride	SM 4500-F C-2011	1	0.89		*	mg/L	0.15	0.35	03/11/25 21:23	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		333			mg/L	0.2	5	03/28/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.027	B	*	mg/L	0.02	0.1	03/22/25 2:00	pjb
Nitrogen, ammonia	EPA 350.1	1	1.02		*	mg/L	0.1	0.2	03/19/25 18:28	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.1	H	*	units	0.1	0.1	03/07/25 0:00	jck
pH measured at		1	24.3		*	C	0.1	0.1	03/07/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1180	H	*	mg/L	20	40	03/06/25 16:18	asn
Sulfate	ASTM D516-07/-11/-16	5	145		*	mg/L	5	25	03/17/25 10:24	jqr
TDS (calculated)	Calculation		1130			mg/L			03/28/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.04						03/28/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: BM-2A

ACZ Sample ID: ***L93372-02***
Date Sampled: *02/26/25 15:00*
Date Received: *03/06/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0194			mg/L	0.0002	0.001	03/17/25 18:50	aps
Cadmium, dissolved	EPA 200.8	1	0.000480			mg/L	0.00005	0.00025	03/17/25 18:50	aps
Calcium, dissolved	EPA 200.7	1	35.0		*	mg/L	0.1	0.5	03/26/25 13:40	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/26/25 13:40	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/17/25 18:50	aps
Magnesium, dissolved	EPA 200.7	1	1.13			mg/L	0.2	1	03/26/25 13:40	msp
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/26/25 13:40	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/19/25 13:59	rjw
Molybdenum, dissolved	EPA 200.8	20	3.66			mg/L	0.004	0.01	03/27/25 18:20	aps
Potassium, dissolved	EPA 200.7	1	19.0			mg/L	0.5	1	03/26/25 13:40	msp
Selenium, dissolved	EPA 200.8	1	1.78		*	mg/L	0.0001	0.00025	03/17/25 18:50	aps
Silica, dissolved	EPA 200.7	1	21.0		*	mg/L	0.2	1	03/26/25 13:40	msp
Sodium, dissolved	EPA 200.7	1	249			mg/L	0.2	1	03/26/25 13:40	msp
Uranium, dissolved	EPA 200.8	1	0.0851			mg/L	0.0001	0.0005	03/17/25 18:50	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	152		*	mg/L	2	20	03/07/25 0:00	jck
Carbonate as CaCO3		1	<2	U	*	mg/L	2	20	03/07/25 0:00	jck
Hydroxide as CaCO3		1	<2	U	*	mg/L	2	20	03/07/25 0:00	jck
Total Alkalinity		1	152		*	mg/L	2	20	03/07/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-10.3			%			03/28/25 0:00	calc
Sum of Anions			16			meq/L			03/28/25 0:00	calc
Sum of Cations			13			meq/L			03/28/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	364		*	mg/L	25	50	03/10/25 13:50	jqr
Conductivity @25C	SM 2510 B-2011	1	1650		*	umhos/cm	1	10	03/07/25 8:10	jck
Fluoride	SM 4500-F C-2011	1	1.33		*	mg/L	0.15	0.35	03/11/25 21:33	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		92.0			mg/L	0.2	5	03/28/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.611		*	mg/L	0.02	0.1	03/22/25 2:03	pjb
Nitrogen, ammonia	EPA 350.1	1	0.152	B	*	mg/L	0.1	0.2	03/19/25 18:31	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.2	H	*	units	0.1	0.1	03/07/25 0:00	jck
pH measured at		1	24.3		*	C	0.1	0.1	03/07/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	918	H	*	mg/L	20	40	03/06/25 16:22	asn
Sulfate	ASTM D516-07/-11/-16	5	137		*	mg/L	5	25	03/17/25 10:26	jqr
TDS (calculated)	Calculation		926			mg/L			03/28/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.99						03/28/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: BM-9

ACZ Sample ID: ***L93372-03***
Date Sampled: *02/27/25 14:00*
Date Received: *03/06/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0353			mg/L	0.0002	0.001	03/27/25 18:26	aps
Cadmium, dissolved	EPA 200.8	1	0.000257			mg/L	0.00005	0.00025	03/27/25 18:26	aps
Calcium, dissolved	EPA 200.7	1	65.5		*	mg/L	0.1	0.5	03/26/25 13:43	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/26/25 13:43	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 18:26	aps
Magnesium, dissolved	EPA 200.7	1	12.8			mg/L	0.2	1	03/26/25 13:43	msp
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/26/25 13:43	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/19/25 14:00	rjw
Molybdenum, dissolved	EPA 200.8	1	1.68			mg/L	0.0002	0.0005	03/27/25 18:26	aps
Potassium, dissolved	EPA 200.7	1	12.8			mg/L	0.5	1	03/26/25 13:43	msp
Selenium, dissolved	EPA 200.8	1	0.532			mg/L	0.0001	0.00025	03/27/25 18:26	aps
Silica, dissolved	EPA 200.7	1	31.7		*	mg/L	0.2	1	03/26/25 13:43	msp
Sodium, dissolved	EPA 200.7	1	181			mg/L	0.2	1	03/26/25 13:43	msp
Uranium, dissolved	EPA 200.8	1	0.545			mg/L	0.0001	0.0005	03/27/25 18:26	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	254		*	mg/L	2	20	03/07/25 0:00	jck
Carbonate as CaCO3		1	<2	U	*	mg/L	2	20	03/07/25 0:00	jck
Hydroxide as CaCO3		1	<2	U	*	mg/L	2	20	03/07/25 0:00	jck
Total Alkalinity		1	254		*	mg/L	2	20	03/07/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.7			%			03/28/25 0:00	calc
Sum of Anions			14			meq/L			03/28/25 0:00	calc
Sum of Cations			13			meq/L			03/28/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	222		*	mg/L	5	10	03/13/25 12:11	jqr
Conductivity @25C	SM 2510 B-2011	1	1380		*	umhos/cm	1	10	03/07/25 8:21	jck
Fluoride	SM 4500-F C-2011	1	0.82		*	mg/L	0.15	0.35	03/11/25 21:38	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		216			mg/L	0.2	5	03/28/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/22/25 2:06	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/19/25 18:34	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.4	H	*	units	0.1	0.1	03/07/25 0:00	jck
pH measured at		1	24.3		*	C	0.1	0.1	03/07/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	802		*	mg/L	20	40	03/06/25 16:26	asn
Sulfate	ASTM D516-07/-11/-16	5	124		*	mg/L	5	25	03/17/25 10:26	jqr
TDS (calculated)	Calculation		814			mg/L			03/28/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.99						03/28/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).
	Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value.
	The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

REP001.03.15.02

Uranium Resources Inc. ACZ Project ID: ***L93372***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93372-01	WG607305	Bicarbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG608296	Calcium, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607305	Carbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607450	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-Cl E-2011	Q6	Sample was received above recommended temperature.
	WG607305	Conductivity @25C	SM 2510 B-2011	Q6	Sample was received above recommended temperature.
	WG607526	Fluoride	SM 4500-F C-2011	Q6	Sample was received above recommended temperature.
	WG607305	Hydroxide as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG608234	Nitrate/Nitrite as N	EPA 353.2	Q6	Sample was received above recommended temperature.
	WG608059	Nitrogen, ammonia	EPA 350.1	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 350.1	Q6	Sample was received above recommended temperature.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607305	pH	SM 4500-H+ B-2011	Q6	Sample was received above recommended temperature.
		pH measured at	SM 4500-H+ B-2011	Q6	Sample was received above recommended temperature.
	WG607285	Residue, Filterable (TDS) @180C	SM 2540 C-2011	H3	Sample was received and analyzed past holding time.
			SM 2540 C-2011	Q6	Sample was received above recommended temperature.
	WG608296	Silica, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607734	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q6	Sample was received above recommended temperature.
	WG607305	Total Alkalinity	SM 2320 B-2011	Q6	Sample was received above recommended temperature.

Inorganic Extended Qualifier Report

Uranium Resources Inc. ACZ Project ID: ***L93372***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93372-02	WG607305	Bicarbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG608296	Calcium, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607305	Carbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607450	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-Cl E-2011	Q6	Sample was received above recommended temperature.
	WG607305	Conductivity @25C	SM 2510 B-2011	Q6	Sample was received above recommended temperature.
	WG607526	Fluoride	SM 4500-F C-2011	Q6	Sample was received above recommended temperature.
	WG607305	Hydroxide as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG608234	Nitrate/Nitrite as N	EPA 353.2	Q6	Sample was received above recommended temperature.
	WG608059	Nitrogen, ammonia	EPA 350.1	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 350.1	Q6	Sample was received above recommended temperature.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607305	pH	SM 4500-H+ B-2011	Q6	Sample was received above recommended temperature.
		pH measured at	SM 4500-H+ B-2011	Q6	Sample was received above recommended temperature.
	WG607285	Residue, Filterable (TDS) @180C	SM 2540 C-2011	H3	Sample was received and analyzed past holding time.
			SM 2540 C-2011	Q6	Sample was received above recommended temperature.
	WG607899	Selenium, dissolved	EPA 200.8	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
			EPA 200.8	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG608296	Silica, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607734	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q6	Sample was received above recommended temperature.
	WG607305	Total Alkalinity	SM 2320 B-2011	Q6	Sample was received above recommended temperature.

Inorganic Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93372***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93372-03	WG607305	Bicarbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG608296	Calcium, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607305	Carbonate as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG607664	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-Cl E-2011	Q6	Sample was received above recommended temperature.
	WG607305	Conductivity @25C	SM 2510 B-2011	Q6	Sample was received above recommended temperature.
	WG607526	Fluoride	SM 4500-F C-2011	Q6	Sample was received above recommended temperature.
	WG607305	Hydroxide as CaCO3	SM 2320 B-2011	Q6	Sample was received above recommended temperature.
	WG608234	Nitrate/Nitrite as N	EPA 353.2	Q6	Sample was received above recommended temperature.
	WG608059	Nitrogen, ammonia	EPA 350.1	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			EPA 350.1	Q6	Sample was received above recommended temperature.
			EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607305	pH	SM 4500-H+ B-2011	Q6	Sample was received above recommended temperature.
		pH measured at	SM 4500-H+ B-2011	Q6	Sample was received above recommended temperature.
	WG607285	Residue, Filterable (TDS) @180C	SM 2540 C-2011	Q6	Sample was received above recommended temperature.
	WG608296	Silica, dissolved	EPA 200.7	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG607734	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q6	Sample was received above recommended temperature.
	WG607305	Total Alkalinity	SM 2320 B-2011	Q6	Sample was received above recommended temperature.

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-13A
Locator:

ACZ Sample ID: ***L93372-01***
Date Sampled: *02/26/25 17:00*
Date Received: *03/06/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:15		180	1.7	0.53	pCi/L	*	ang

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: BM-2A
Locator:

ACZ Sample ID: ***L93372-02***
Date Sampled: *02/26/25 15:00*
Date Received: *03/06/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:17		22	0.61	0.5	pCi/L	*	ang

ACZ **Laboratories, Inc.**
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RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: BM-9
Locator:

ACZ Sample ID: ***L93372-03***
Date Sampled: *02/27/25 14:00*
Date Received: *03/06/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:18		810	3.8	0.44	pCi/L	*	ang

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

RadChem Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93372***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93372-01	WG608003	Radium 226, dissolved	EPA 903.1	DJ	Sample dilution required due to insufficient sample.
			EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93372-02	WG608003	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93372-03	WG608003	Radium 226, dissolved	EPA 903.1	DJ	Sample dilution required due to insufficient sample.

Certification Qualifiers

Uranium Resources Inc.

ACZ Project ID: ***L93372***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID: L93372
Date Received: 03/06/2025 11:20
Received By:
Date Printed: 3/6/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
6943	10.8	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID:	L93372
Date Received:	03/06/2025 11:20
Received By:	
Date Printed:	3/6/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L93372

CHAIN of CUSTODY

Report to:

Name: Derrell Ezell	Address: 101 N. Shoreline Drive, Suite 450
Company: enCore Uranium LLC	Corpus Christi, TX 78401
E-mail: dezell@encoreuranium.com	Telephone: 361-2395449

Copy of Report to:

Name: Peter Luthiger	E-mail:
Company: pluthiger@encoreuranium.com	Telephone:

Invoice to:

Name: Kristine Canales	Address:
Company: URI, Inc.	
E-mail: kcanales@encoreuranium.com	Telephone:

L93372 Chain of Custo

Sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ☐ NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES ☐ NO ☑

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #: USC-PAA GW

Project/PO #: 4262

Reporting state for compliance testing:

Sampler's Name:

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE TIME	Matrix	# of Containers	USC-PAA GW							
MW-13A	2/26/25 1700	GW	S	x							
BM-2A	2/26/25 1500	GW	S	x							
BM-9	2/27/25 1400	GW	S	x							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please send copy of report to Lee Vela. lvela@encoreuranium.com

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Joshua Garcia	2/28/25 1200		3/6/25 1120

FRMAD090.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 28, 2025

Report to:
Derrell Ezell
Uranium Resources Inc.
641 E FM 1118
Kingsville, TX 78363

Bill to:
Kristine Canales
Uranium Resources Inc.
641 E. FM 1118
Kingsville, TX 78363

cc: Heather Wells, Dain McCoig, Peter Luthiger, Lee Vela

Project ID:
ACZ Project ID: L93420

Derrell Ezell:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 07, 2025. This project has been assigned to ACZ's project number, L93420. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93420. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 27, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

Uranium Resources Inc.

March 28, 2025

Project ID:
ACZ Project ID: L93420

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 4 groundwater samples from Uranium Resources Inc. on March 7, 2025. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L93420. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic, radiochemistry parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The following required further explanation not provided by the Extended Qualifier Report:

1. For analyses flagged with a "Q1", the sample refrigerator was out of specifications below zero degrees Celsius for approximately 12 hours. There is not believed to be a negative affect on the samples.

Uranium Resources Inc.
Project ID:
Sample ID: MW-3A

ACZ Sample ID: ***L93420-01***
Date Sampled: *03/04/25 10:00*
Date Received: *03/07/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0484			mg/L	0.0002	0.001	03/27/25 18:32	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/27/25 18:32	aps
Calcium, dissolved	EPA 200.7	1	116			mg/L	0.1	0.5	03/26/25 22:46	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/26/25 22:46	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 18:32	aps
Magnesium, dissolved	EPA 200.7	1	24.9			mg/L	0.2	1	03/26/25 22:46	msp
Manganese, dissolved	EPA 200.7	1	0.037	B		mg/L	0.01	0.05	03/26/25 22:46	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/18/25 13:01	rjw
Molybdenum, dissolved	EPA 200.8	1	0.119			mg/L	0.0002	0.0005	03/27/25 18:32	aps
Potassium, dissolved	EPA 200.7	1	16.2			mg/L	0.5	1	03/26/25 22:46	msp
Selenium, dissolved	EPA 200.8	1	0.00044			mg/L	0.0001	0.00025	03/27/25 18:32	aps
Silica, dissolved	EPA 200.7	1	43.0			mg/L	0.2	1	03/26/25 22:46	msp
Sodium, dissolved	EPA 200.7	1	309			mg/L	0.2	1	03/26/25 22:46	msp
Uranium, dissolved	EPA 200.8	1	0.0948			mg/L	0.0001	0.0005	03/27/25 18:32	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	497			mg/L	2	20	03/08/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/08/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/08/25 0:00	jck
Total Alkalinity		1	497			mg/L	2	20	03/08/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			2.3			%			03/28/25 0:00	calc
Sum of Anions			21			meq/L			03/28/25 0:00	calc
Sum of Cations			22			meq/L			03/28/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	322		*	mg/L	25	50	03/13/25 11:15	jqr
Conductivity @25C	SM 2510 B-2011	1	1980			umhos/cm	1	10	03/08/25 11:32	jck
Fluoride	SM 4500-F C-2011	1	1.13		*	mg/L	0.15	0.35	03/25/25 19:59	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		392			mg/L	0.2	5	03/28/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/22/25 2:07	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/26/25 13:14	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.3	H		units	0.1	0.1	03/08/25 0:00	jck
pH measured at		1	24.2			C	0.1	0.1	03/08/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1350		*	mg/L	20	40	03/11/25 9:13	cob
Sulfate	ASTM D516-07/-11/-16	5	69.9		*	mg/L	5	25	03/17/25 10:26	jqr
TDS (calculated)	Calculation		1220			mg/L			03/28/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.11						03/28/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: BM-4

ACZ Sample ID: ***L93420-02***
Date Sampled: *03/04/25 11:00*
Date Received: *03/07/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0460			mg/L	0.0002	0.001	03/27/25 18:34	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/27/25 18:34	aps
Calcium, dissolved	EPA 200.7	1	119			mg/L	0.1	0.5	03/26/25 22:51	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/26/25 22:51	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 18:34	aps
Magnesium, dissolved	EPA 200.7	1	25.8			mg/L	0.2	1	03/26/25 22:51	msp
Manganese, dissolved	EPA 200.7	1	0.038	B		mg/L	0.01	0.05	03/26/25 22:51	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/18/25 13:03	rjw
Molybdenum, dissolved	EPA 200.8	1	0.114			mg/L	0.0002	0.0005	03/27/25 18:34	aps
Potassium, dissolved	EPA 200.7	1	16.9			mg/L	0.5	1	03/26/25 22:51	msp
Selenium, dissolved	EPA 200.8	1	0.00036			mg/L	0.0001	0.00025	03/27/25 18:34	aps
Silica, dissolved	EPA 200.7	1	44.3			mg/L	0.2	1	03/26/25 22:51	msp
Sodium, dissolved	EPA 200.7	1	316			mg/L	0.2	1	03/26/25 22:51	msp
Uranium, dissolved	EPA 200.8	1	0.0922			mg/L	0.0001	0.0005	03/27/25 18:34	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	500			mg/L	2	20	03/08/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/08/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/08/25 0:00	jck
Total Alkalinity		1	500			mg/L	2	20	03/08/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			2.3			%			03/28/25 0:00	calc
Sum of Anions			21.0			meq/L			03/28/25 0:00	calc
Sum of Cations			22			meq/L			03/28/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	340		*	mg/L	25	50	03/13/25 11:17	jqr
Conductivity @25C	SM 2510 B-2011	1	2020			umhos/cm	1	10	03/08/25 11:43	jck
Fluoride	SM 4500-F C-2011	1	0.96		*	mg/L	0.15	0.35	03/25/25 20:17	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		403			mg/L	0.2	5	03/28/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/22/25 2:08	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/26/25 13:17	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.3	H		units	0.1	0.1	03/08/25 0:00	jck
pH measured at		1	24.3			C	0.1	0.1	03/08/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1380		*	mg/L	20	40	03/11/25 9:15	cob
Sulfate	ASTM D516-07/-11/-16	5	69.0		*	mg/L	5	25	03/17/25 10:28	jqr
TDS (calculated)	Calculation		1250			mg/L			03/28/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.10						03/28/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW-15

ACZ Sample ID: ***L93420-03***
Date Sampled: *03/05/25 13:25*
Date Received: *03/07/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0498			mg/L	0.0002	0.001	03/27/25 18:36	aps
Cadmium, dissolved	EPA 200.8	1	0.000156	B		mg/L	0.00005	0.00025	03/27/25 18:36	aps
Calcium, dissolved	EPA 200.7	1	108			mg/L	0.1	0.5	03/26/25 22:57	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/26/25 22:57	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 18:36	aps
Magnesium, dissolved	EPA 200.7	1	18.7			mg/L	0.2	1	03/26/25 22:57	msp
Manganese, dissolved	EPA 200.7	1	0.029	B		mg/L	0.01	0.05	03/26/25 22:57	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/18/25 13:04	rjw
Molybdenum, dissolved	EPA 200.8	1	1.04			mg/L	0.0002	0.0005	03/27/25 18:36	aps
Potassium, dissolved	EPA 200.7	1	15.1			mg/L	0.5	1	03/26/25 22:57	msp
Selenium, dissolved	EPA 200.8	1	0.00010	B		mg/L	0.0001	0.00025	03/27/25 18:36	aps
Silica, dissolved	EPA 200.7	1	37.0			mg/L	0.2	1	03/26/25 22:57	msp
Sodium, dissolved	EPA 200.7	1	253			mg/L	0.2	1	03/26/25 22:57	msp
Uranium, dissolved	EPA 200.8	1	1.63			mg/L	0.0001	0.0005	03/27/25 18:36	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	290			mg/L	2	20	03/08/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/08/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/08/25 0:00	jck
Total Alkalinity		1	290			mg/L	2	20	03/08/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/28/25 0:00	calc
Sum of Anions			19.0			meq/L			03/28/25 0:00	calc
Sum of Cations			19			meq/L			03/28/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	385		*	mg/L	25	50	03/13/25 11:17	jqr
Conductivity @25C	SM 2510 B-2011	1	1830			umhos/cm	1	10	03/08/25 11:53	jck
Fluoride	SM 4500-F C-2011	1	1.05		*	mg/L	0.15	0.35	03/25/25 20:25	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		347			mg/L	0.2	5	03/28/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.037	B	*	mg/L	0.02	0.1	03/22/25 2:09	pjb
Nitrogen, ammonia	EPA 350.1	1	0.213		*	mg/L	0.1	0.2	03/26/25 13:20	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.3	H		units	0.1	0.1	03/08/25 0:00	jck
pH measured at		1	24.6			C	0.1	0.1	03/08/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1050	H	*	mg/L	20	40	03/17/25 15:30	cob
Sulfate	ASTM D516-07/-11/-16	5	112		*	mg/L	5	25	03/17/25 10:28	jqr
TDS (calculated)	Calculation		1120			mg/L			03/28/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.94						03/28/25 0:00	calc

Uranium Resources Inc.
Project ID:
Sample ID: MW-19

ACZ Sample ID: ***L93420-04***
Date Sampled: *03/05/25 14:30*
Date Received: *03/07/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0461			mg/L	0.0002	0.001	03/27/25 18:38	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/27/25 18:38	aps
Calcium, dissolved	EPA 200.7	1	118			mg/L	0.1	0.5	03/26/25 22:59	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/26/25 22:59	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 18:38	aps
Magnesium, dissolved	EPA 200.7	1	25.7			mg/L	0.2	1	03/26/25 22:59	msp
Manganese, dissolved	EPA 200.7	1	0.039	B		mg/L	0.01	0.05	03/26/25 22:59	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/18/25 13:05	rjw
Molybdenum, dissolved	EPA 200.8	1	0.114			mg/L	0.0002	0.0005	03/27/25 18:38	aps
Potassium, dissolved	EPA 200.7	1	16.3			mg/L	0.5	1	03/26/25 22:59	msp
Selenium, dissolved	EPA 200.8	1	0.00038			mg/L	0.0001	0.00025	03/27/25 18:38	aps
Silica, dissolved	EPA 200.7	1	44.7			mg/L	0.2	1	03/26/25 22:59	msp
Sodium, dissolved	EPA 200.7	1	317			mg/L	0.2	1	03/26/25 22:59	msp
Uranium, dissolved	EPA 200.8	1	0.0926			mg/L	0.0001	0.0005	03/27/25 18:38	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	499			mg/L	2	20	03/08/25 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/08/25 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/08/25 0:00	jck
Total Alkalinity		1	499			mg/L	2	20	03/08/25 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			2.3			%			03/28/25 0:00	calc
Sum of Anions			21			meq/L			03/28/25 0:00	calc
Sum of Cations			22			meq/L			03/28/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	326		*	mg/L	25	50	03/13/25 11:17	jqr
Conductivity @25C	SM 2510 B-2011	1	2010			umhos/cm	1	10	03/08/25 12:03	jck
Fluoride	SM 4500-F C-2011	1	0.89		*	mg/L	0.15	0.35	03/25/25 20:29	jck
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		400			mg/L	0.2	5	03/28/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/22/25 2:11	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/26/25 13:22	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.3	H		units	0.1	0.1	03/08/25 0:00	jck
pH measured at		1	24.1			C	0.1	0.1	03/08/25 0:00	jck
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1370		*	mg/L	20	40	03/11/25 9:20	cob
Sulfate	ASTM D516-07/-11/-16	5	69.4		*	mg/L	5	25	03/17/25 10:28	jqr
TDS (calculated)	Calculation		1230			mg/L			03/28/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.11						03/28/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).
	Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value.
	The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

REP001.03.15.02

Uranium Resources Inc.

ACZ Project ID: ***L93420***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93420-01	WG607648	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-Cl E-2011	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608406	Fluoride	SM 4500-F C-2011	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608234	Nitrate/Nitrite as N	EPA 353.2	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608478	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607495	Residue, Filterable (TDS) @180C	SM 2540 C-2011	Q1	Sample integrity was not maintained. See Case Narrative.
			SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607734	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q1	Sample integrity was not maintained. See Case Narrative.
L93420-02	WG607648	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-Cl E-2011	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608406	Fluoride	SM 4500-F C-2011	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608234	Nitrate/Nitrite as N	EPA 353.2	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608478	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607495	Residue, Filterable (TDS) @180C	SM 2540 C-2011	Q1	Sample integrity was not maintained. See Case Narrative.
			SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607734	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q1	Sample integrity was not maintained. See Case Narrative.
L93420-03	WG607648	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-Cl E-2011	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608406	Fluoride	SM 4500-F C-2011	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608234	Nitrate/Nitrite as N	EPA 353.2	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608478	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607892	Residue, Filterable (TDS) @180C	SM 2540 C-2011	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
			SM 2540 C-2011	Q1	Sample integrity was not maintained. See Case Narrative.
	WG607734	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q1	Sample integrity was not maintained. See Case Narrative.

Inorganic Extended Qualifier Report

Uranium Resources Inc. ACZ Project ID: ***L93420***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93420-04	WG607648	Chloride	SM 4500-Cl E-2011	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			SM 4500-Cl E-2011	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608406	Fluoride	SM 4500-F C-2011	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608234	Nitrate/Nitrite as N	EPA 353.2	Q1	Sample integrity was not maintained. See Case Narrative.
	WG608478	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607495	Residue, Filterable (TDS) @180C	SM 2540 C-2011	Q1	Sample integrity was not maintained. See Case Narrative.
			SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607734	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			ASTM D516-07/-11/-16	Q1	Sample integrity was not maintained. See Case Narrative.

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-3A
Locator:

ACZ Sample ID: ***L93420-01***
Date Sampled: *03/04/25 10:00*
Date Received: *03/07/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:24		43	0.89	0.5	pCi/L		ang

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: BM-4
Locator:

ACZ Sample ID: ***L93420-02***
Date Sampled: *03/04/25 11:00*
Date Received: *03/07/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:25		48	0.99	0.7	pCi/L		ang

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-15
Locator:

ACZ Sample ID: ***L93420-03***
Date Sampled: *03/05/25 13:25*
Date Received: *03/07/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:27		220	1.9	0.61	pCi/L		ang

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Resources Inc.
Project ID:
Sample ID: MW-19
Locator:

ACZ Sample ID: ***L93420-04***
Date Sampled: *03/05/25 14:30*
Date Received: *03/07/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:28		61	1.2	0.66	pCi/L		ang

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadChem Extended Qualifier Report

Uranium Resources Inc.

ACZ Project ID: ***L93420***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Uranium Resources Inc. ACZ Project ID: ***L93420***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID: L93420
Date Received: 03/07/2025 09:41
Received By:
Date Printed: 3/10/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
NA44489	1	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Resources Inc.

ACZ Project ID:	L93420
Date Received:	03/07/2025 09:41
Received By:	
Date Printed:	3/10/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L93420

CHAIN of CUSTODY

Report to:

Name: Derrell Ezell
Company: enCore Uranium LLC
E-mail: dezell@encoreuranium.com
Address: 101 N. Shoreline Drive, Suite 450
Corpus Christi, TX 78401
Telephone: 361-2395449

Copy of Report to:

Name: Peter Luthiger
Company: pluthiger@encoreuranium.com
E-mail:
Telephone:

Invoice to:

Name: Kristine Canales
Company: URI, Inc.
E-mail: kcanales@encoreuranium.com
Address:
Telephone:

L93420 Chain of Custody

Sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ☐ NO ☐
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES ☐ NO ☐
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #: USC-PAA GW
Project/PO #: 4262
Reporting state for compliance testing:
Sampler's Name:
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED (preservation codes)

SAMPLE IDENTIFICATION	DATE TIME	Matrix	# of Containers	USC-PAA GW							
MW-3A	3-4-25 : 10 00	GW	5	x							
BM-4	3-4-25 : 11:00	Gw	5	X							
MW-15	3-5-25 : 13:25	Gw	5	X							
MW-19	3-5-25 : 14:30	Gw	5	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please send copy of report to Lee Vela. lvela@encoreuranium.com

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE TIME	RECEIVED BY	DATE TIME
Lee Vela	3/6/25 : 15:30		3/7/25
			0849

FRMADOC.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

April 08, 2025

Report to:
Peter Luthiger
EFR Alta Mesa LLC
755 CR 315
Encino, TX 78353

Bill to:
Kristine Canales
EFR Alta Mesa LLC
755 CR 315
Encino, TX 78353

cc: Kristine Canales, Derrell Ezell, Felipe Matinez

Project ID:
ACZ Project ID: L93486

Peter Luthiger:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 11, 2025. This project has been assigned to ACZ's project number, L93486. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L93486. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after May 08, 2025. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-1

ACZ Sample ID: ***L93486-01***
Date Sampled: *03/06/25 17:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00486			mg/L	0.0002	0.001	03/27/25 21:12	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/27/25 21:12	aps
Calcium, dissolved	EPA 200.7	1	48.2			mg/L	0.1	0.5	03/27/25 22:58	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/27/25 22:58	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 21:12	aps
Magnesium, dissolved	EPA 200.7	1	10.7			mg/L	0.2	1	03/27/25 22:58	msp
Manganese, dissolved	EPA 200.7	1	0.017	B		mg/L	0.01	0.05	03/27/25 22:58	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/19/25 14:04	rjw
Molybdenum, dissolved	EPA 200.8	1	0.0448			mg/L	0.0002	0.0005	03/27/25 21:12	aps
Potassium, dissolved	EPA 200.7	1	11.9			mg/L	0.5	1	03/27/25 22:58	msp
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	03/27/25 21:12	aps
Silica, dissolved	EPA 200.7	1	44.4			mg/L	0.2	1	03/27/25 22:58	msp
Sodium, dissolved	EPA 200.7	1	241			mg/L	0.2	1	03/27/25 22:58	msp
Uranium, dissolved	EPA 200.8	1	0.00122			mg/L	0.0001	0.0005	03/27/25 21:12	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	284			mg/L	2	20	03/18/25 0:00	asn
Carbonate as CaCO3		1	21.0			mg/L	2	20	03/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/18/25 0:00	asn
Total Alkalinity		1	305			mg/L	2	20	03/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.4			%			04/08/25 0:00	calc
Sum of Anions			15			meq/L			04/08/25 0:00	calc
Sum of Cations			14			meq/L			04/08/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	298			mg/L	25	50	03/13/25 13:34	jqr
Conductivity @25C	SM 2510 B-2011	1	1470			umhos/cm	1	10	03/18/25 0:50	asn
Fluoride	SM 4500-F C-2011	1	2.14			mg/L	0.15	0.35	03/17/25 17:31	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		164			mg/L	0.2	5	04/08/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.098	B	*	mg/L	0.02	0.1	03/26/25 2:32	pjb
Nitrogen, ammonia	EPA 350.1	1	2.55		*	mg/L	0.1	0.2	03/26/25 16:33	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.5	H		units	0.1	0.1	03/18/25 0:00	asn
pH measured at		1	22.9			C	0.1	0.1	03/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	844			mg/L	20	40	03/13/25 13:09	asn
Sulfate	ASTM D516-07/-11/-16	1	37.8		*	mg/L	1	5	03/20/25 10:06	jqr
TDS (calculated)	Calculation		895			mg/L			04/08/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.94						04/08/25 0:00	calc

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-26

ACZ Sample ID: ***L93486-02***
Date Sampled: *03/09/25 18:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00263			mg/L	0.0002	0.001	03/27/25 21:18	aps
Cadmium, dissolved	EPA 200.8	1	0.000064	B		mg/L	0.00005	0.00025	03/27/25 21:18	aps
Calcium, dissolved	EPA 200.7	1	114			mg/L	0.1	0.5	03/27/25 22:59	msp
Iron, dissolved	EPA 200.7	1	0.097	B		mg/L	0.06	0.15	03/27/25 22:59	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 21:18	aps
Magnesium, dissolved	EPA 200.7	1	17.7			mg/L	0.2	1	03/27/25 22:59	msp
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/27/25 22:59	msp
Mercury, dissolved	EPA 245.1	1	0.00188			mg/L	0.0002	0.001	03/19/25 14:05	rjw
Molybdenum, dissolved	EPA 200.8	1	0.239			mg/L	0.0002	0.0005	03/27/25 21:18	aps
Potassium, dissolved	EPA 200.7	1	13.3			mg/L	0.5	1	03/27/25 22:59	msp
Selenium, dissolved	EPA 200.8	1	0.00274			mg/L	0.0001	0.00025	03/27/25 21:18	aps
Silica, dissolved	EPA 200.7	1	39.8			mg/L	0.2	1	03/27/25 22:59	msp
Sodium, dissolved	EPA 200.7	1	272			mg/L	0.2	1	03/27/25 22:59	msp
Uranium, dissolved	EPA 200.8	1	0.0168			mg/L	0.0001	0.0005	03/27/25 21:18	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	273			mg/L	2	20	03/18/25 0:00	asn
Carbonate as CaCO3		1	<2	U		mg/L	2	20	03/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/18/25 0:00	asn
Total Alkalinity		1	273			mg/L	2	20	03/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-2.4			%			04/08/25 0:00	calc
Sum of Anions			21			meq/L			04/08/25 0:00	calc
Sum of Cations			20			meq/L			04/08/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	480			mg/L	25	50	03/13/25 13:34	jqr
Conductivity @25C	SM 2510 B-2011	1	1980			umhos/cm	1	10	03/18/25 1:02	asn
Fluoride	SM 4500-F C-2011	1	1.05			mg/L	0.15	0.35	03/17/25 17:34	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		358			mg/L	0.2	5	04/08/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	0.526		*	mg/L	0.02	0.1	03/26/25 2:18	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/26/25 16:34	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	7.9	H		units	0.1	0.1	03/18/25 0:00	asn
pH measured at		1	22.9			C	0.1	0.1	03/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1390			mg/L	20	40	03/13/25 13:13	asn
Sulfate	ASTM D516-07/-11/-16	5	78.8		*	mg/L	5	25	03/20/25 10:15	jqr
TDS (calculated)	Calculation		1190			mg/L			04/08/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.17						04/08/25 0:00	calc

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-11A

ACZ Sample ID: ***L93486-03***
Date Sampled: *03/06/25 18:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00676			mg/L	0.0002	0.001	03/27/25 21:20	aps
Cadmium, dissolved	EPA 200.8	1	0.000079	B		mg/L	0.00005	0.00025	03/27/25 21:20	aps
Calcium, dissolved	EPA 200.7	1	46.3			mg/L	0.1	0.5	03/27/25 23:01	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/27/25 23:01	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 21:20	aps
Magnesium, dissolved	EPA 200.7	1	10.5			mg/L	0.2	1	03/27/25 23:01	msp
Manganese, dissolved	EPA 200.7	1	<0.01	U		mg/L	0.01	0.05	03/27/25 23:01	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/19/25 14:06	rjw
Molybdenum, dissolved	EPA 200.8	1	0.375			mg/L	0.0002	0.0005	03/27/25 21:20	aps
Potassium, dissolved	EPA 200.7	1	10.4			mg/L	0.5	1	03/27/25 23:01	msp
Selenium, dissolved	EPA 200.8	2	<0.0002	U		mg/L	0.0002	0.0005	03/28/25 13:27	aps
Silica, dissolved	EPA 200.7	1	43.5			mg/L	0.2	1	03/27/25 23:01	msp
Sodium, dissolved	EPA 200.7	1	236			mg/L	0.2	1	03/27/25 23:01	msp
Uranium, dissolved	EPA 200.8	1	0.263			mg/L	0.0001	0.0005	03/27/25 21:20	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	234			mg/L	2	20	03/18/25 0:00	asn
Carbonate as CaCO3		1	23.6			mg/L	2	20	03/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/18/25 0:00	asn
Total Alkalinity		1	257			mg/L	2	20	03/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			04/08/25 0:00	calc
Sum of Anions			14			meq/L			04/08/25 0:00	calc
Sum of Cations			14			meq/L			04/08/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	301			mg/L	25	50	03/13/25 13:35	jqr
Conductivity @25C	SM 2510 B-2011	1	1420			umhos/cm	1	10	03/18/25 1:11	asn
Fluoride	SM 4500-F C-2011	1	1.27			mg/L	0.15	0.35	03/17/25 17:38	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		159			mg/L	0.2	5	04/08/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/26/25 2:20	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/26/25 16:39	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.6	H		units	0.1	0.1	03/18/25 0:00	asn
pH measured at		1	22.7			C	0.1	0.1	03/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	814			mg/L	20	40	03/13/25 13:18	asn
Sulfate	ASTM D516-07/-11/-16	5	33.8		*	mg/L	5	25	03/20/25 10:15	jqr
TDS (calculated)	Calculation		851			mg/L			04/08/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						04/08/25 0:00	calc

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-20

ACZ Sample ID: ***L93486-04***
Date Sampled: *03/09/25 12:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0235			mg/L	0.0002	0.001	03/27/25 21:22	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/27/25 21:22	aps
Calcium, dissolved	EPA 200.7	1	33.1			mg/L	0.1	0.5	03/27/25 23:03	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/27/25 23:03	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 21:22	aps
Magnesium, dissolved	EPA 200.7	1	7.26			mg/L	0.2	1	03/27/25 23:03	msp
Manganese, dissolved	EPA 200.7	1	0.011	B		mg/L	0.01	0.05	03/27/25 23:03	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/19/25 14:07	rjw
Molybdenum, dissolved	EPA 200.8	1	0.165			mg/L	0.0002	0.0005	03/27/25 21:22	aps
Potassium, dissolved	EPA 200.7	1	9.57			mg/L	0.5	1	03/27/25 23:03	msp
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	03/27/25 21:22	aps
Silica, dissolved	EPA 200.7	1	40.7			mg/L	0.2	1	03/27/25 23:03	msp
Sodium, dissolved	EPA 200.7	1	220			mg/L	0.2	1	03/27/25 23:03	msp
Uranium, dissolved	EPA 200.8	1	0.00479			mg/L	0.0001	0.0005	03/27/25 21:22	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	253			mg/L	2	20	03/18/25 0:00	asn
Carbonate as CaCO3		1	22.0			mg/L	2	20	03/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/18/25 0:00	asn
Total Alkalinity		1	275			mg/L	2	20	03/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			04/08/25 0:00	calc
Sum of Anions			12			meq/L			04/08/25 0:00	calc
Sum of Cations			12			meq/L			04/08/25 0:00	calc
Chloride	SM 4500-Cl E-2011	5	218			mg/L	5	10	03/13/25 13:13	jqr
Conductivity @25C	SM 2510 B-2011	1	1250			umhos/cm	1	10	03/18/25 1:41	asn
Fluoride	SM 4500-F C-2011	1	1.26			mg/L	0.15	0.35	03/17/25 17:49	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		113			mg/L	0.2	5	04/08/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/26/25 2:21	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/26/25 16:40	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.6	H		units	0.1	0.1	03/18/25 0:00	asn
pH measured at		1	22.7			C	0.1	0.1	03/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	712			mg/L	20	40	03/13/25 13:22	asn
Sulfate	ASTM D516-07/-11/-16	1	31.0		*	mg/L	1	5	03/20/25 10:07	jqr
TDS (calculated)	Calculation		739			mg/L			04/08/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						04/08/25 0:00	calc

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-21

ACZ Sample ID: ***L93486-05***
Date Sampled: *03/09/25 14:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.0139			mg/L	0.0002	0.001	03/27/25 21:24	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/27/25 21:24	aps
Calcium, dissolved	EPA 200.7	1	71.9			mg/L	0.1	0.5	03/27/25 23:09	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/27/25 23:09	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 21:24	aps
Magnesium, dissolved	EPA 200.7	1	16.5			mg/L	0.2	1	03/27/25 23:09	msp
Manganese, dissolved	EPA 200.7	1	0.013	B		mg/L	0.01	0.05	03/27/25 23:09	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/19/25 14:08	rjw
Molybdenum, dissolved	EPA 200.8	1	0.109			mg/L	0.0002	0.0005	03/27/25 21:24	aps
Potassium, dissolved	EPA 200.7	1	25.8			mg/L	0.5	1	03/27/25 23:09	msp
Selenium, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.00025	03/27/25 21:24	aps
Silica, dissolved	EPA 200.7	1	33.4			mg/L	0.2	1	03/27/25 23:09	msp
Sodium, dissolved	EPA 200.7	1	290			mg/L	0.2	1	03/27/25 23:09	msp
Uranium, dissolved	EPA 200.8	1	0.0162			mg/L	0.0001	0.0005	03/27/25 21:24	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	294			mg/L	2	20	03/18/25 0:00	asn
Carbonate as CaCO3		1	8.3	B		mg/L	2	20	03/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/18/25 0:00	asn
Total Alkalinity		1	302			mg/L	2	20	03/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-2.7			%			04/08/25 0:00	calc
Sum of Anions			19			meq/L			04/08/25 0:00	calc
Sum of Cations			18			meq/L			04/08/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	360			mg/L	25	50	03/13/25 13:35	jqr
Conductivity @25C	SM 2510 B-2011	1	1850			umhos/cm	1	10	03/18/25 1:51	asn
Fluoride	SM 4500-F C-2011	1	0.79			mg/L	0.15	0.35	03/17/25 17:52	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		247			mg/L	0.2	5	04/08/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/26/25 2:26	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/26/25 16:42	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.4	H		units	0.1	0.1	03/18/25 0:00	asn
pH measured at		1	22.8			C	0.1	0.1	03/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	1140			mg/L	20	40	03/13/25 13:26	asn
Sulfate	ASTM D516-07/-11/-16	5	127		*	mg/L	5	25	03/20/25 10:16	jqr
TDS (calculated)	Calculation		1120			mg/L			04/08/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.02						04/08/25 0:00	calc

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-31B

ACZ Sample ID: ***L93486-06***
Date Sampled: *03/09/25 16:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	EPA 200.8	1	0.00508			mg/L	0.0002	0.001	03/27/25 21:30	aps
Cadmium, dissolved	EPA 200.8	1	<0.00005	U		mg/L	0.00005	0.00025	03/27/25 21:30	aps
Calcium, dissolved	EPA 200.7	1	40.0			mg/L	0.1	0.5	03/27/25 23:15	msp
Iron, dissolved	EPA 200.7	1	<0.06	U		mg/L	0.06	0.15	03/27/25 23:15	msp
Lead, dissolved	EPA 200.8	1	<0.0001	U		mg/L	0.0001	0.0005	03/27/25 21:30	aps
Magnesium, dissolved	EPA 200.7	1	6.94			mg/L	0.2	1	03/27/25 23:15	msp
Manganese, dissolved	EPA 200.7	1	0.022	B		mg/L	0.01	0.05	03/27/25 23:15	msp
Mercury, dissolved	EPA 245.1	1	<0.0002	U		mg/L	0.0002	0.001	03/19/25 14:09	rjw
Molybdenum, dissolved	EPA 200.8	1	0.0455			mg/L	0.0002	0.0005	03/27/25 21:30	aps
Potassium, dissolved	EPA 200.7	1	10.6			mg/L	0.5	1	03/27/25 23:15	msp
Selenium, dissolved	EPA 200.8	1	0.00120			mg/L	0.0001	0.00025	03/27/25 21:30	aps
Silica, dissolved	EPA 200.7	1	39.3			mg/L	0.2	1	03/27/25 23:15	msp
Sodium, dissolved	EPA 200.7	1	255			mg/L	0.2	1	03/27/25 23:15	msp
Uranium, dissolved	EPA 200.8	1	0.00690			mg/L	0.0001	0.0005	03/27/25 21:30	aps

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM 2320 B-2011									
Bicarbonate as CaCO3		1	227			mg/L	2	20	03/18/25 0:00	asn
Carbonate as CaCO3		1	13.5	B		mg/L	2	20	03/18/25 0:00	asn
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	03/18/25 0:00	asn
Total Alkalinity		1	240			mg/L	2	20	03/18/25 0:00	asn
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.4			%			04/08/25 0:00	calc
Sum of Anions			15			meq/L			04/08/25 0:00	calc
Sum of Cations			14			meq/L			04/08/25 0:00	calc
Chloride	SM 4500-Cl E-2011	25	296			mg/L	25	50	03/13/25 13:35	jqr
Conductivity @25C	SM 2510 B-2011	1	1470			umhos/cm	1	10	03/18/25 2:03	asn
Fluoride	SM 4500-F C-2011	1	1.23			mg/L	0.15	0.35	03/17/25 17:56	cm
Hardness as CaCO3 (dissolved)	Calculation (SM 2340 B-2011)		128			mg/L	0.2	5	04/08/25 0:00	calc
Nitrate/Nitrite as N	EPA 353.2	1	<0.02	U	*	mg/L	0.02	0.1	03/26/25 2:28	pjb
Nitrogen, ammonia	EPA 350.1	1	<0.1	U	*	mg/L	0.1	0.2	03/26/25 16:43	gfm
pH (lab)	SM 4500-H+ B-2011									
pH		1	8.5	H		units	0.1	0.1	03/18/25 0:00	asn
pH measured at		1	22.6			C	0.1	0.1	03/18/25 0:00	asn
Residue, Filterable (TDS) @180C	SM 2540 C-2011	1	864		*	mg/L	20	40	03/15/25 10:22	cob
Sulfate	ASTM D516-07/-11/-16	5	81.1		*	mg/L	5	25	03/20/25 10:16	jqr
TDS (calculated)	Calculation		887			mg/L			04/08/25 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.97						04/08/25 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

EFR Alta Mesa LLC ACZ Project ID: ***L93486***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93486-01	WG608420	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608494	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608082	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93486-02	WG608420	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608494	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608082	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93486-03	WG608420	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608494	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608082	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93486-04	WG608420	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608494	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608082	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93486-05	WG608420	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608494	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608082	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
L93486-06	WG608420	Nitrate/Nitrite as N	EPA 353.2	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608494	Nitrogen, ammonia	EPA 350.1	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG607808	Residue, Filterable (TDS) @180C	SM 2540 C-2011	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG608082	Sulfate	ASTM D516-07/-11/-16	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-1
Locator:

ACZ Sample ID: ***L93486-01***
Date Sampled: *03/06/25 17:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/26/25 0:33		4.9	0.3	0.43	pCi/L		ang

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-26
Locator:

ACZ Sample ID: ***L93486-02***
Date Sampled: *03/09/25 18:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	04/08/25 0:05		42	0.68	0.31	pCi/L	*	ang

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-11A
Locator:

ACZ Sample ID: ***L93486-03***
Date Sampled: *03/06/25 18:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	04/08/25 0:07		5	0.27	0.38	pCi/L	*	ang

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-20
Locator:

ACZ Sample ID: ***L93486-04***
Date Sampled: *03/09/25 12:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	04/08/25 0:08		3.5	0.23	0.44	pCi/L	*	ang

ACZ **Laboratories, Inc.**
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-21
Locator:

ACZ Sample ID: ***L93486-05***
Date Sampled: *03/09/25 14:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	04/08/25 0:10		5.6	0.25	0.6	pCi/L	*	ang

REPRC.02.06.05.01

** Please refer to Qualifier Reports for details.*

EFR Alta Mesa LLC
Project ID:
Sample ID: MW-31B
Locator:

ACZ Sample ID: ***L93486-06***
Date Sampled: *03/09/25 16:00*
Date Received: *03/11/25*
Sample Matrix: *Groundwater*

Radium 226, dissolved
EPA 903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	04/08/25 0:11		2.6	0.2	0.7	pCi/L	*	ang

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Error(+/-)	Calculated sample specific uncertainty
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
LCL	Lower Control Limit, in % (except for LCSS, mg/Kg)
LLD	Calculated sample specific Lower Limit of Detection
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RER	Relative Error Ratio, calculation used for Dup. QC taking into account the error factor.
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
UCL	Upper Control Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

DUP	Sample Duplicate	*MS/MSD*	Matrix Spike/Matrix Spike Duplicate
LCSS	Laboratory Control Sample - Soil	*PBS*	Prep Blank - Soil
LCSW	Laboratory Control Sample - Water	*PBW*	Prep Blank - Water

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Matrix Spikes	Determines sample matrix interferences, if any.

ACZ Qualifiers (Qual)

H	Analysis exceeded method hold time.

Method Prefix Reference

M	EPA methodology, including those under SDWA, CWA, and RCRA
SM	Standard Methods for the Examination of Water and Wastewater.
D	ASTM
RP	DOE
ESM	DOE/ESM

Comments

(1)	Solid matrices are reported on a dry weight basis.
(2)	Preparation method: "Method" indicates preparation defined in analytical method.
(3)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

RadChem Extended Qualifier Report

EFR Alta Mesa LLC ACZ Project ID: ***L93486***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L93486-02	WG608675	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93486-03	WG608675	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93486-04	WG608675	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93486-05	WG608675	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.
L93486-06	WG608675	Radium 226, dissolved	EPA 903.1	RG	Sample concentration is less than 5x LLD; RPD was not used for data validation. Replicate Error Ratio (RER) is less than 2. Precision judged to be in control.

Certification Qualifiers

EFR Alta Mesa LLC

ACZ Project ID: ***L93486***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

EFR Alta Mesa LLC

ACZ Project ID: L93486
Date Received: 03/11/2025 11:04
Received By:
Date Printed: 3/12/2025

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
6802	4	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

EFR Alta Mesa LLC

ACZ Project ID:	L93486
Date Received:	03/11/2025 11:04
Received By:	
Date Printed:	3/12/2025

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L93486

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

L93486 Chain of Custo

Report to:

Name: Derrell Ezell	Address: 101 N. Shoreline Drive, Suite 450
Company: enCore Uranium LLC	Corpus Christi, TX 78401
E-mail: dezell@encoreuranium.com	Telephone: 361-2395449

Copy of Report to:

Name: Peter Luthiger	E-mail:
Company: pluthiger@encoreuranium.com	Telephone:

Invoice to:

Name: Kristine Canales	Address:
Company: URI, Inc.	
E-mail: kcanales@encoreuranium.com	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ✓ NO
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES NO ✓
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION — ANALYSES REQUESTED (attach list if used quote number)

Quote #: USC-PAA GW
Project/PO #: 4262
Reporting state for compliance testing:
Sampler's Name:
Are any samples NRC licensable material? Yes No

SAMPLE IDENTIFICATION	DATE TIME	Matrix	# of Containers	USC-PAA GW							
MW-1	3/6/25 1700	GW	5	x							
MW-26	3/9/25 1800	GW	5	X							
MW-11A	3/6/25 1800	GW	5	X							
MW-20	3/9/25 1200	GW	5	X							
MW-21	3/9/25 1400	GW	5	X							
MW-31B	3/9/25 1600	GW	5	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please send copy of report to Lee Vela. lvela@encoreuranium.com

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY	DATE TIME	RECEIVED BY	DATE TIME
Josh Garcia [signature]	3/10/25 1200	[signature]	3/11/25 1104

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

From: Sue Webber
To: Peter Luthiger
Subject: RE: QA check
Date: Friday, March 28, 2025 12:05:51 PM
Attachments: image002.png
image003.png
image004.png
image005.png

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Not a problem. I will make the change.

Sue Webber
Senior Project Manager
ACZ Laboratories, Inc.
2773 Downhill Drive
Steamboat Springs, CO 80487
1-800-334-5493 (ext. 110) 970-879-6590 Fax: 815-301-3857
email: suew@acz.com
website: http://www.acz.com

Please take our short survey and let us know how we are doing
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From: Peter Luthiger <pluthiger@encoreuranium.com>
Sent: Friday, March 28, 2025 10:01 AM
To: Sue Webber <suew@acz.com>
Subject: QA check

Sue,
Hope all is well..

Can I get a change on Job L93280 – sample 05. The sample prep guy messed up on the sample ID. It should be BL-7A
Can you make this change and resend the report?
Thanks

Peter

Peter Luthiger
Chief Operating Officer

Office: (361) 239-5449
Direct: (361) 413-8989
www.encoreuranium.com

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Section IV-J
Ground Water Quality Data for Summary of Production and Mine Area Wells

Groundwater Quality Data Report for Production and Mine Area Wells

Table 2 – Part A -- Non Production Zone Baseline Values

Company: **URI, Inc.**
Mine: **Upper Spring Creek**
Permit: **UR03095**
Production Area: **PAA-1**
Date Summarized: **April 10, 2025**

Parameter	Unit	Low	Average	High	Well I.D. By Area*
Calcium	mg/l				***OMW-1 to OMW-8***
Magnesium	mg/l				***(All wells are dry)***
Sodium	mg/l				
Potassium	mg/l				
Carbonate	mg/l				
Bicarbonate	mg/l				
Sulfate	mg/l				
Chloride	mg/l				
Fluoride	mg/l				
Nitrate - N	mg/l				
Silica	mg/l				
pH	std. units				
TDS	mg/l				
Conductivity	µmhos/cm				
Alkalinity	mg/l as CaO3				
Ammonia	mg/l				
Arsenic	mg/l				
Cadmium	mg/l				
Iron	mg/l				
Lead	mg/l				
Manganese	mg/l				
Mercury	mg/l				
Molybdenum	mg/l				
Selenium	mg/l				
Uranium	mg/l				
Radium-226	pCi/l				

* List the identification numbers of monitoring wells used to obtain the high and low values for each parameter.

NOTE: All overlying wells were dry - no samples collected.

Groundwater Quality Data Report for Production and Mine Area Wells

Table 2 – Part B -- Production Zone Baseline Values

Company: **URI, Inc.**
Mine: **Upper Spring Creek**
Permit: **UR03095**
Production Area: **PAA-1**
Date Summarized: **April 10, 2025**

Parameter	Unit	Mine Area Low	Mine Area Average	Mine Area High	Production Area Low	Production Area Average	Production Area High	Well I.D. in Mine Area *	Well I.D. in Production Area *
Calcium	mg/l	29	66	165	29	58	119	*MW-1*	*BM-1B*
Magnesium	mg/l	1	18	250	1	8	26	*MW-2B*	*BM-2A*
Sodium	mg/l	11	252	351	181	259	316	*MW-3A to MW-5A*	*BM-3 to BM-6*
Potassium	mg/l	9	13	26	10	16	21	*MW-6 to MW-9*	*BM-7A*
Carbonate	mg/l	2	4	24	2	3	11	*MW-10A to MW-13A*	*BM-9*
Bicarbonate	mg/l	104	276	541	104	210	500	*MW-14 to MW-30*	
Sulfate	mg/l	20	104	405	69	137	183	*MW-31B*	
Chloride	mg/l	209	316	480	222	325	386	*MW-32 to MW-33*	
Fluoride	mg/l	0.73	1.33	3.32	0.82	1.47	2.06		
Nitrate - N	mg/l	0.02	0.06	0.61	0.02	0.14	0.61		
Silica	mg/l	14	36	49	20	26	44		
pH	std. units	7.9	8.3	8.6	8.0	8.2	8.5		
TDS	mg/l	712	982	1630	788	959	1380		
Conductivity	µmhos/cm	1250	1654	2540	1380	1646	2020		
Alkalinity	mg/l as CaO3	104	279	541	104	212	500		
Ammonia	mg/l	0.10	0.21	2.55	0.10	0.13	0.31		
Arsenic	mg/l	0.001	0.045	0.333	0.001	0.039	0.119		
Cadmium	mg/l	0.0001	0.0002	0.0015	0.0001	0.0004	0.0014		
Iron	mg/l	0.0600	0.0719	0.297	0.06	0.087	0.2740		
Lead	mg/l	0.0001	0.0002	0.001	0.0001	0.0003	0.0005		
Manganese	mg/l	0.01	0.0204	0.06	0.01	0.014	0.038		
Mercury	mg/l	0.0002	0.0002	0.0019	0.0002	0.0002	0.0002		
Molybdenum	mg/l	0.0012	0.9666	10.6	0.0012	1.834	6.12		
Selenium	mg/l	0.0001	0.1109	1.98	0.0004	0.311	1.78		
Uranium	mg/l	0.0007	0.4191	5.92	0.0055	0.954	5.92		
Radium-226	pCi/l	0.34	94	930	0.34	301	930		

* List the identification numbers of monitoring wells used to obtain the low, average and high values.

Section IV-K
Restoration Progress Report

K. *Restoration Progress Report*

1. Restoration of the production zone is being achieved by reverse osmosis (RO) treatment. With the reverse osmosis techniques, injection and extraction operations continue at the facility. Produced water is processed through a RO unit which produces a nearly deionized fluid for reinjection. The injection water passes through the pores of the aquifer formation and replaces the affected water which is pumped to the surface. The net effect is that the resulting interstitial ground water quality becomes consistent with, and in many cases better than, pre-mining quality. The primary benefit of RO treatment is that a large fraction of the total water extracted is purified and reinjected, resulting in less water consumption and less ground water drawdown in the area.

   Up to 600 gallons per minute of groundwater can be extracted from the mined zone. This water is then processed by RO treatment. Following RO treatment there are two grades of water, product or deionized water and reject or brine. The deionized water is reinjected into the mined zone at a rate of up to 400 gallons per minute which enhances restoration directly by sweeping the well fields. The brine is disposed of by deep well injection.

   Osmosis is a natural process that occurs in all living cells. With an appropriate semi-permeable membrane as a barrier to solutions of differing concentrations, naturally occurring osmotic pressure forces pure water from the dilute solution to pass through the membrane and dilute the more concentrated solution. This process continues until equilibrium exists between the two solutions.

   RO is a reversal of the natural osmotic process. By applying an opposite pressure greater than the naturally-occurring osmotic pressure on water containing dissolved solids, the majority of this water is passed through the membrane, resulting in the concentration of the original solution. The membrane rejects the passage of most of the dissolved solids while concurrently allowing the passage of water.

2. The restoration of ground water at the Upper Spring Creek ISR site has the benefit of a previously engineered array of injection and production wells that were initially installed in a configuration to maximize sweep efficiently throughout the uranium ore body to maximize uranium recovery. The same engineering principals hold for maximum sweep efficiency during the restoration phase. Ground water restoration is performed throughout the production zone and verified at individual sampling points. These engineering principles assure the restoration approach is sound.

Restoration of the production zone was achieved by RO treatment where the produced water processed through a RO unit produces a nearly deionized fluid for reinjection. This process proved to be effective on a commercial scale at two production areas at the Rosita site.

Restoration rates are monitored through analysis of waters produced from the formation. A sample is taken weekly from the composite production line and analyzed for conductivity, chloride and uranium. When this data indicates that restoration is at or near completion, each original baseline well will be sampled and analyzed for the parameters Ca, Na, HCO_3, SO_4, Cl, Ec and U.

If the well field value for each chemical parameter is consistent with preexisting conditions, restoration will be considered to be complete and the stability period begins. Stability will be determined by three sample sets taken at two-month intervals from the original baseline wells and analyzed for the 26 parameters established within the restoration table in the permit.

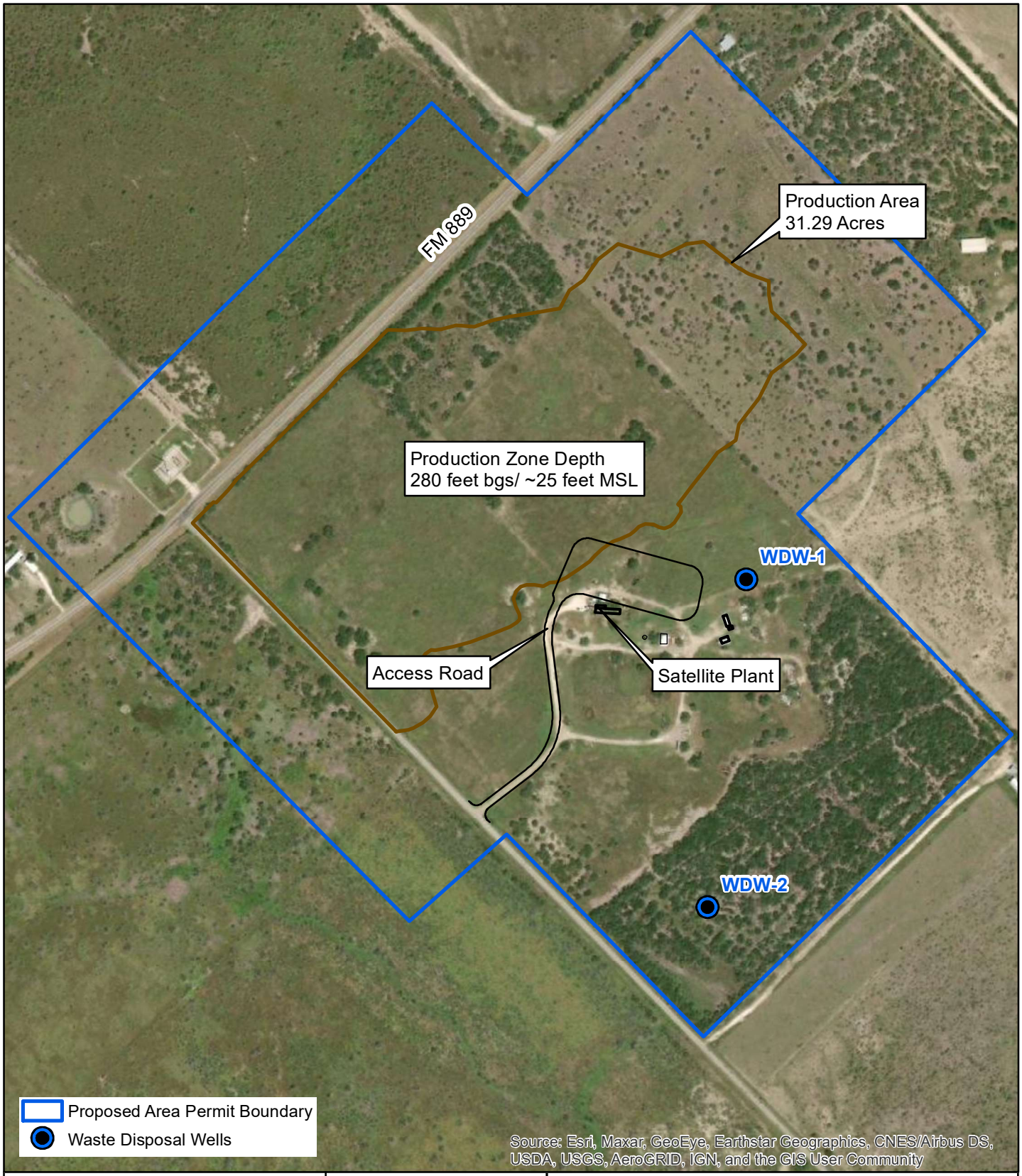
Following the restoration and stability required in 30TAC331.107, URI would then proceed with submitting to the TCEQ either a request to approve the restoration or submit an application proposing to return water quality to protective levels provided for in 30TAC§331.107(g). In determining if groundwater has met the regulatory requirements, TCEQ would utilize the following criterion to evaluate and ultimately approve URI's request:

- Uses for which the groundwater was suitable at baseline water quality levels;
- Actual existing use of groundwater in the area prior to and during mining;
- Potential future use of groundwater of baseline quality, and of proposed restoration quality;
- The effort made by the permittee to restore the groundwater to baseline;
- Technology available to restore groundwater for particular parameters;
- The ability of existing technology to restore groundwater to baseline quality in the area under consideration;
- The cost of further restoration efforts;
- The consumption of groundwater resources during further restoration; and
- The harmful effects of levels of particular parameter.

3. Section IV-M of the Technical Report provides a detailed description of the fluid handling capacity associated with this application. The fluid balance demonstrates that the facility maintains sufficient fluid handling capacity even under full production mode in PAA1 and restoration mode in PAA3. It is important to note that this fluid

balance does not incorporate the additional storage volume available from the lined evaporation ponds located at the Rosita processing plant, thereby providing additional storage capacity in the event of upset conditions (e.g., extended power outage, disposal well availability, etc.).

Section IV-L
Updated Mine Plan



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Feet

INITIAL MINE PLAN

Upper Spring Creek ISR Project
Live Oak County, Texas

Date: June 2022

By: WWC

enCore energy

Figure IV-L

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Section IV-L.1
Area Permit Map

Section IV-L.2
Schedule

ATTACHMENT IV-L

UR03095PAA1
ESTIMATED SCHEDULE OF MINING AND GROUNDWATER RESTORATION

ESTIMATED SCHEDULE OF MINING AND GROUNDWATER RESTORATION		
PAA1	Production	Q3 2025 - Q1 2027
	Groundwater Restoration	Q2 2027 - Q2 2029
PAA2	Production	pending
	Groundwater Restoration	pending
PAA3	Production	pending
	Groundwater Restoration	pending

PAA = Production Area

This Mine Plan represents an estimate for the timing of the event listed. The timing of these events is dependent on many factors beyond the control of the permittee including the following:

1) timing of the approval of the permits required to mine the various ore bodies;
2) the ore bodies response to the lixiviant used for recovery;
3) the ultimate economic recovery of the uranium from each ore body;
4) the sequence of mining the various ore bodies;
5) the response of each ore body to the restoration techniques employed; and
6) geopolitical events by US and/or foreign governments related to uranium supply.

Section IV-M
Updated Evaluation of Fluid Handling Requirements vs. Capacity

Appendix IV-M

Fluid Handling Demand vs. Capacity Evaluation

1. Introduction

This Appendix discusses fluid handling for the Upper Spring Creek ISR Project (Project) consistent with TCEQ Technical Guideline III for Fluid Handing. The evaluations included in this Appendix demonstrate that the Project is capable of properly handling both normal and emergency fluids that occur during the life of the Project.

2. Regular Operations

A. Fluid Handling Capacities

Fluid handling capacity during regular Project operations is provided by the wastewater storage tanks and the disposal wells. Each of these is discussed below.

1. Wastewater Storage Tanks

Wastewater will flow through a reject tank and two wastewater storage tanks prior to disposal. The capacity of the wastewater storage tanks is shown in Table IV-M-1.

Table IV-M-1
Wastewater Tank Capacities

Tank	Capacity (gal)
Reject Tank	14,000
T-21	18,200
T-22	22,700
TOTAL	54,900

2. Disposal Wells

Two disposal wells are being permitted for the Project, each with a capacity of 250 gallons per minute (gpm), for a total disposal capacity of 500 gpm.

B. Fluid Sources

Wastewater fluid sources during regular operations include production bleed, reverse osmosis (RO) brine, other effluents, and rainfall. Some of the wastewater sources will generate wastewater on a quarterly basis but could occur during any month of the year, so these sources are conservatively assumed to occur during every month. Each of these fluid sources is discussed below.

1. **Production Bleed**

To preclude any mine water migration outside the production area, a process bleed system is utilized. In a process bleed system, the volume recovered by pumping from the production zone is greater than the volume injected into the production zone by an amount known as "process bleed." Because the process bleed is a net removal of fluid from the aquifer, it creates a hydraulic gradient towards the production area. This gradient prevents lixiviant migration outside of the production area. Process bleed is considered a consumptive use of groundwater, so it is limited to an amount that is adequate to maintain a hydraulic gradient towards the production area and zone. At the Project, process bleed will be approximately one percent of the pumped volume.

At a planned 4,000 gpm production (pumped) rate, the planned process bleed is 40 gpm. The available Project hydrogeologic data, combined with URI, Inc.'s experience at other similar ISR projects, indicate that a one percent process bleed will produce a hydraulic gradient towards the production area and prevent mine water migration outside of the production area.

2. **RO Brine**

Restoration of the production zone will be achieved through treatment via reverse osmosis (RO). During restoration, the production wells will still be operated, but groundwater will no longer be fortified to produce lixiviant prior to injection. Instead, groundwater pumped from recovery wells will be processed through the RO system. The RO system outputs 75 percent (mostly) deionized water and 25 percent brine. The deionized water will be reinjected into the production zone, and the brine will be disposed of in the waste disposal wells.

At the planned maximum restoration rate of 1,000 gpm, approximately 250 gpm of brine will be produced.

3. **Other Effluents**

Other effluents produced during regular Project operations include the resin transfer process, washdown water on pads, sand filter backwash water, RO system maintenance wastewater, laboratory drain water, overflow on pads, wellfield maintenance wastewater, and resin cleaning rinse water.

a. **Resin Transfer Process**

The resin transfer system enables resin to be transferred from the ion exchange (IX) columns to the resin trailer and from the resin trailer to the IX columns. It is anticipated that 333 loaded resin transfers and 333 regenerated resin transfers (666 total transfers) will occur annually.

The water used for resin transfer is typically recycled through a surge tank until the resin trailer is loaded or unloaded. The volume of wastewater generated during each transfer is assumed to equal the total volume of the resin

trailer, or 3,000 gallons.

b. **Washdown Water on Pads**

The active work areas of the curbed process pad may be washed down daily for approximately 15 minutes using a hose that outputs approximately 20 gpm, for a total of 300 gallons of wastewater.

c. **RO System Maintenance Wastewater**

Quarterly maintenance of the RO system requires approximately 1,000 gallons of wastewater for each maintenance.

d. **Laboratory Drain Water**

The laboratory collection basin contains approximately 1,000 gallons of wastewater and is pumped out quarterly.

e. **Overflow on Pads**

For planning purposes, it is assumed that two tanks will overflow every quarter for five minutes before the flow can be shut down. The highest inflow rate is 1,000 gpm into each IX loading circuit, or 5,000 gallons per overflow.

f. **Wellfield Maintenance Wastewater**

Approximately 3,000 gallons per month of wastewater may be generated from cleaning production wells.

g. **Resin Cleaning Rinse Water**

Resin tank cleaning occurs quarterly and generates approximately 25,000 gallons of wastewater.

4. **Direct Rainfall**

There are no lined ponds anticipated at the Project. The curbed process pad will cause rainfall falling outside of the process pad to flow around the area. The surface inside the curbed process pad will be graded to direct rainfall to a plant sump. Wastewater is pumped from the plant sump into a reject tank and a series of two storage tanks prior to disposal.

Direct rainfall during regular Project operations is considered to be the maximum monthly recorded rainfall from the Beeville 5 NE station as shown in Table IV-M-2. Higher intensity rainfall events are included in the emergency operations discussed in Section III.

Table IV-M-2
Precipitation Recorded at the Beeville 5 NE Station, 2000-2021

Month	Normal Rainfall (in)	Maximum Rainfall (in)	Total Pad and Ramp Area (ft^2)	Maximum Rain Volume (gal)
January	1.64	3.40	17,350	36,770
February	1.24	4.84	17,350	52,344
March	1.61	7.90	17,350	85,437
April	1.91	12.28	17,350	132,806
May	3.43	10.10	17,350	109,230
June	3.55	9.01	17,350	97,442
July	4.64	15.76	17,350	170,442
August	2.99	11.08	17,350	119,828
September	4.30	10.61	17,350	114,745
October	2.40	8.82	17,350	95,387
November	2.05	6.54	17,350	70,729
December	1.26	3.61	17,350	39,042
Total	31.02	103.95		1,124,202

Source: NWS, 2022

C. Evaluation Of Capacity Vs. Demand

Tables IV-M-3 and IV-M-4 show the excess handling capacity of the Project during regular operations in gallons and gpm, respectively. This evaluation is very conservative, because it includes simultaneous maximum fluid volumes for both production and restoration (RO), which is very unlikely to occur in practice. It also does not include the capacity of the wastewater storage tanks. The Project as designed provides ample disposal capacity to handle fluids produced during regular operations.

Table IV-M-3
Fluid Handling during Regular Operations (Gallons)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
FLUID SOURCES (GAL)												
Production Bleed	1,756,800	1,756,800	1,756,800	1,756,800	1,756,800	1,756,800	1,756,800	1,756,800	1,756,800	1,756,800	1,756,800	1,756,800
RO Brine	10,980,000	10,980,000	10,980,000	10,980,000	10,980,000	10,980,000	10,980,000	10,980,000	10,980,000	10,980,000	10,980,000	10,980,000
Other Effluents	210,650	210,650	210,650	210,650	210,650	210,650	210,650	210,650	210,650	210,650	210,650	210,650
Resin Transfer	166,500	166,500	166,500	166,500	166,500	166,500	166,500	166,500	166,500	166,500	166,500	166,500
Washdown Water	9,150	9,150	9,150	9,150	9,150	9,150	9,150	9,150	9,150	9,150	9,150	9,150
RO System Maintenance	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Lab Drain Water	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Overflow on Pads	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Wellfield Maintenance	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Resin Cleaning Rinse	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Direct Rainfall (Maximum Monthly)	36,770	52,344	85,437	132,806	109,230	97,442	170,442	119,828	114,745	95,387	70,729	39,042
TOTAL (GAL)	12,984,220	12,999,794	13,032,887	13,080,256	13,056,680	13,044,892	13,117,892	13,067,278	13,062,195	13,042,837	13,018,179	12,986,492
FLUID HANDLING CAPACITY (GAL)												
Disposal Wells (500 gpm)	21,960,000	21,960,000	21,960,000	21,960,000	21,960,000	21,960,000	21,960,000	21,960,000	21,960,000	21,960,000	21,960,000	21,960,000
EXCESS FLUID HANDLING CAPACITY (GAL)	**8,975,780**	**8,960,206**	**8,927,113**	**8,879,744**	**8,903,320**	**8,915,108**	**8,842,108**	**8,892,722**	**8,897,805**	**8,917,163**	**8,941,821**	**8,973,508**

Table IV-M-4
Fluid Handling during Regular Operations (GPM)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
FLUID SOURCES (GPM)												
Production Bleed	40	40	40	40	40	40	40	40	40	40	40	40
RO Brine	250	250	250	250	250	250	250	250	250	250	250	250
Other Effluents	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80
Resin Transfer	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79
Washdown Water	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
RO System Maintenance	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Lab Drain Water	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Overflow on Pads	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Wellfield Maintenance	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Resin Cleaning Rinse	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
Direct Rainfall (Maximum Monthly)	0.84	1.19	1.95	3.02	2.49	2.22	3.88	2.73	2.61	2.17	1.61	0.89
TOTAL (GPM)	296	296	297	298	297	297	299	298	297	297	296	296
FLUID HANDLING CAPACITY (GPM)												
Disposal Wells (2 @ 250 gpm)	500	500	500	500	500	500	500	500	500	500	500	500
EXCESS FLUID HANDLING CAPACITY (GPM)	**204**	**204**	**203**	**202**	**203**	**203**	**201**	**202**	**203**	**203**	**204**	**204**

3. Emergency Operations

Emergency operations include an event that generates a larger-than-normal volume of wastewater fluid, and/or the failure of a disposal well. The Project will be continuously staffed, and a backup generator will be provided to allow pumps to operate in the event of power failure.

The curbed process plant and plant sump, and the wastewater storage tanks, will provide additional fluids handling capacity in the event of an emergency. Project staff will also adjust operations in response to or in anticipation of an emergency. Emergency scenarios include 25-year short duration, high intensity rainfall events. The emergency response process and an evaluation of fluid handling capacity in emergency scenarios is discussed below.

A. Curbed Process Pad and Plant Sump

The curbed process pad and the plant sump will have approximately 15,100 ft^2 of available area and will provide a total of about 125,000 gallons of capacity, as shown in Table IV-M-5.

Table IV-M-5
Process Pad Capacities

Description	Value	Unit
Process Pad Footprint (200' x 80')	16,000	ft^2
Tank/Equipment Footprint	(867)	ft^2
Available Space on Pad	15,133	ft^2
Curb Height	1.0	ft
Pad Holding Capacity	113,195	gal
Pad Sump System Holding Capacity	11,792	gal
Total Pad Capacity	124,987	gal

B. 25-Year Rainfall Events

For all emergency scenarios, the fluid volumes generated by short duration, high intensity rainfall events are included to represent a “worst case” scenario for fluids handling. Table IV-M-6 presents the rainfall data used in the emergency scenarios.

Table IV-M-6
25-Year Rainfall Events

Duration	Rainfall (in)	Total Pad and Ramp Area (ft^2)	Maximum Rain Volume (gal)	Average Rainfall Rate (gpm)
30 Minutes	2.8	17,350	30,282	1,009
1 Hour	3.6	17,350	38,933	649
2 Hour	4.5	17,350	48,667	406
3 Hour	5.0	17,350	54,074	300
6 Hour	6.0	17,350	64,889	180
12 Hour	7.0	17,350	75,704	105
24 Hour	8.5	17,350	91,926	64

Source: US Department of Commerce Technical Paper No. 40, Rainfall Frequency Atlas of the United States

C. Emergency Scenarios And Evaluation Of Capacity Vs. Demand

1. Excursion (Increased Production Bleed)

In the event of an excursion, production methods will immediately be adjusted to induce a greater hydraulic gradient from the monitoring well(s) that exceeded the UCL toward the production area. Table IV-M-7 presents a scenario in which production bleed is increased to five percent (200 gpm) during a 25-year rainfall event. In this situation, activities that produce additional effluents would be postponed until after the rainfall event. As shown in Table IV-M-7, the Project can properly handle the fluids generated during this emergency scenario.

Under the normal maximum monthly rainfall conditions, production bleed can also be increased to five percent (a 160 gpm increase) within the excess fluid handling capacity, and with all other effluents (see Table IV-M-4).

Table IV-M-7
Excursion Emergency Scenario

25-Year Rainfall Event							
	30 Minutes	1 Hour	2 Hour	3 Hour	6 Hour	12 Hour	24 Hour
FLUID SOURCES (GPM)							
Production Bleed[1]	200	200	200	200	200	200	200
RO Brine	250	250	250	250	250	250	250
Direct Rainfall	1,009	649	406	300	180	105	64
TOTAL	1,459	1,099	856	750	630	555	514
FLUID HANDLING CAPACITY (GPM)							
Disposal Wells	500	500	500	500	500	500	500
NET FLUID PRODUCED (GPM)	959	599	356	250	130	55	14
FLUID STORAGE CAPACITY (GAL)							
Process Pad (excluding sumps)[2]	48,246	48,246	48,246	48,246	48,246	48,246	48,246
Storage Tanks[3]	27,450	27,450	27,450	27,450	27,450	27,450	27,450
TOTAL (GAL)	75,696	75,696	75,696	75,696	75,696	75,696	75,696
FLUID VOLUMES (GAL)							
Other Effluents[4]	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Rainfall Accumulation[5]	28,782	35,933	42,667	45,074	46,889	39,704	19,926
TOTAL FLUID VOLUMES (GAL)	33,782	40,933	47,667	50,074	51,889	44,704	24,926
EXCESS STORAGE CAPACITY (GAL)	41,914	34,763	28,029	25,622	23,807	30,992	50,770

Notes:
1 - Production bleed of five percent.
2 - Sumps are assumed to be full during this scenario.
3 - Storage tanks are assumed to be half full.
4 - Tank overflow is included, since it cannot necessarily be avoided.
5 - Direct rainfall accumulation during the duration of the event (amount not injected into disposal wells).

2. Storage Tank Failure

Table IV-M-8 presents a scenario in which the largest storage tank on the curbed process pad fails and releases 110 percent of its capacity (the excess conservatively accounts for additional fluids in pipes). This failure is considered in combination with a 25-year rainfall event. As shown in Table IV-M-8, the Project can properly handle the fluids generated during this emergency scenario.

Table IV-M-8
Storage Tank Failure Emergency Scenario

25-Year Rainfall Event[1]				
	30 Minutes	1 Hour	2 Hour	3 Hour
FLUID SOURCES (GPM)				
Production Bleed	40	40	40	40
RO Brine	250	250	250	250
Direct Rainfall	1,009	649	406	300
TOTAL	1,299	939	696	590
FLUID HANDLING CAPACITY (GPM)				
Disposal Wells	500	500	500	500
NET FLUID PRODUCED (GPM)	799	439	196	90
FLUID STORAGE CAPACITY (GAL)				
Process Pad (excluding sumps)[2]	48,246	48,246	48,246	48,246
Storage Tanks[3]	16,100	16,100	16,100	16,100
TOTAL (GAL)	64,346	64,346	64,346	64,346
FLUID VOLUMES (GAL)				
Storage Tank Failure	24,970	24,970	24,970	24,970
Other Effluents[4]	5,000	5,000	5,000	5,000
Rainfall Accumulation[5]	23,982	26,333	23,467	16,274
TOTAL FLUID VOLUMES (GAL)	53,952	56,303	53,437	46,244
EXCESS STORAGE CAPACITY (GAL)	10,394	8,043	10,909	18,102

Notes:

1 - Rainfall events longer than 3 hours do not result in net fluid produced or an accumulation of rainfall.
2 - Sumps are assumed to be full during this scenario.
3 - The storage tanks that do not fail are assumed to be half full.
4 - Tank overflow is included, since it cannot necessarily be avoided.
5 - Direct rainfall accumulation during the duration of the event.

3. Disposal Well Failure

Table IV-M-9 presents a disposal well failure emergency scenario. Because the Project will have two permitted disposal wells and a backup generator, the disposal well failure scenario is one disposal well failing completely such that no fluid can be disposed of in that well. In this case, the Project operators would immediately begin the process of bypassing the RO system and switching to reinjection (groundwater sweep). It is assumed that this process will take four hours. They would also immediately begin shutting down the production system; it is assumed that this process will take approximately eight hours.

In practice, bypassing the RO system and shutting down the production system would happen quickly, so these assumptions are very conservative. The disposal well failure is considered in combination with a 25-year rainfall event. All of the rainfall in the 12-hour and 24-hour events is considered to occur within the eight-hour shutdown period. As shown in Table IV-M-9, the Project can properly handle the fluids generated during this emergency scenario.

Table IV-M-9
Disposal Well Failure Emergency Scenario

25-Year Rainfall Event[1]						
	1 Hour	2 Hour	3 Hour	6 Hour	12 Hour	24 Hour
FLUID SOURCES PRIOR TO SHUTDOWN (GAL)						
Production Bleed	19,200	19,200	19,200	19,200	19,200	19,200
RO Brine[2]	60,000	60,000	60,000	60,000	60,000	60,000
Other Effluents[3]	5,000	5,000	5,000	5,000	5,000	5,000
Direct Rainfall[4]	38,933	48,667	54,074	64,889	75,704	91,926
TOTAL (GAL)	123,133	132,867	138,274	149,089	159,904	176,126
FLUID HANDLING CAPACITY (GAL)						
Disposal Well (250 gpm)	120,000	120,000	120,000	120,000	120,000	120,000
NET FLUID PRODUCED PRIOR TO SHUTDOWN (GAL)	3,133	12,867	18,274	29,089	39,904	56,126
FLUID STORAGE CAPACITY (GAL)						
Process Pad (excluding sumps)[5]	48,246	48,246	48,246	48,246	48,246	48,246
Storage Tanks[6]	27,450	27,450	27,450	27,450	27,450	27,450
TOTAL (GAL)	75,696	75,696	75,696	75,696	75,696	75,696
NET EXCESS STORAGE CAPACITY	72,563	62,829	57,422	46,607	35,792	19,570

Notes:

1. A thirty-minute rainfall event does not result in net fluids produced.
2. RO brine generated over four hours, before the system is switched to groundwater sweep.
3. Tank overflow is included, since it cannot necessarily be avoided.
4. Direct rainfall accumulation over the eight hours it takes to shut the system down. All of the rainfall in longer duration events is assumed to occur within eight hours. After this time, a single disposal well in combination with storage can handle all rainfall.
5. Sumps are assumed to be full during this scenario.
6. Storage tanks are assumed to be half full.

Section IV-N
Proposed Restoration Table

Company: **URI Inc.**
Mine: **Upper Spring Creek**
Permit: **UR03095**
Production Area: **PAA-1**

PROPOSED RESTORATION TABLE

Parameter	Unit	Concentration
Calcium	mg/l	58
Magnesium	mg/l	8
Sodium	mg/l	259
Potassium	mg/l	16
Carbonate	mg/l	< 2
Bicarbonate	mg/l	210
Sulfate	mg/l	137
Chloride	mg/l	325
Fluoride	mg/l	1.47
Nitrate - N	mg/l	0.14
Silica	mg/l	26
pH	std. units	7.44
TDS	mg/l	959
Conductivity	µmhos/cm	1,646
Alkalinity	mg/l as CaO3	212
Ammonia	mg/l	0.13
Arsenic	mg/l	0.039
Cadmium	mg/l	0.0004
Iron	mg/l	0.087
Lead	mg/l	0.0003
Manganese	mg/l	0.014
Mercury	mg/l	0.0002
Molybdenum	mg/l	1.834
Selenium	mg/l	0.311
Uranium	mg/l	0.954
Radium-226	pCi/l	301

Section IV-O
Proposed Control Parameters
Upper Limits Table

Company: **URI Inc.**
Mine: **Upper Spring Creek**
Permit: **UR03095**
Production Area: **PAA-1**

Upper Control Limits

PRODUCTION ZONE

Parameter	Unit	Concentration
Conductivity	µmhos/cm	3,175
Chloride	mg/l	600
Alkalinity	mg/l	676

NON PRODUCTION ZONE

Parameter	Unit	Concentration
Conductivity	µmhos/cm	-
Chloride	mg/l	-
Alkalinity	mg/l	-

Note: All wells in non production zone are dry.

Note: Values determined in accordance with Section V.E.1 of Area Permit UR03095

Section IV-P
Cost Estimate for Plugging and Abandonment of Wells and for Aquifer Restoration

ATTACHMENT C

FINANCIAL ASSURANCE

The overall closure plan for the Project includes groundwater restoration, Class III well plugging and abandonment, removal of surface structures, radiological decontamination and soil decommissioning.

Groundwater Restoration

After uranium recovery operations in the production area have been completed, URI will commence groundwater restoration activities. URI typically uses two groundwater restoration alternatives at each project site: groundwater sweep and RO treatment. Restoration of the production zone, be it conducted by RO treatment, groundwater sweep, or a combination of the two, utilizes the injection-extraction wellfield configuration that was employed during mining.

URI will maintain a net inward hydraulic gradient during active restoration. Restoration fluids and wastewater will be treated and managed using satellite plant equipment and facilities, including the permitted Class I wastewater disposal wells.

Groundwater Restoration Progress

URI plans that groundwater restoration criteria will be established on a parameter-by-parameter basis, with the primary goal of restoration to return all parameters to average pre-mining baseline conditions as stated within the Restoration Table within the UIC Production Area Authorization.

Groundwater restoration monitoring will be performed by collecting composite production line samples, which will be analyzed for conductivity and uranium. The results will be compiled monthly and reported biannually to TCEQ. When the data indicate that restoration is at, or near completion, each original baseline well will be sampled and analyzed for the restoration table parameters. If the wellfield average value for each parameter is consistent with baseline quality, restoration will be considered to be complete and enter the stability monitoring phase.

Stability Monitoring

URI will obtain stability samples and complete an analysis from all production area baseline wells. Stability samples will be conducted at a minimum of 30-day intervals for a minimum of three sample sets and reported to the Executive Director. URI will notify TCEQ at least two weeks in advance of sample dates in order to provide the opportunity for splitting samples and for selecting additional wells for sampling, if desired. To ensure water quality has stabilized, a period of 180 days will elapse between cessation of restoration operations and the final set of stability samples.

TCEQ shall determine within 45 days of the receipt of all sample analysis results whether or not restoration has been achieved. Upon acknowledgement in writing by TCEQ confirming achievement of final restoration, URI will plug all injection and production wells.

Restoration will be deemed complete by TCEQ based on the following conditions:

- reasonable restoration efforts have been undertaken;
- the values for parameters describing water quality have stabilized for a period of 180 days;
- the formation water present in the aquifer would be suitable for any use to which it was reasonably suited prior to mining; and
- further restoration efforts would consume energy, water, or other natural resources of the state without providing a corresponding benefit to the state.

To the extent that water quality parameters cannot be returned to the identical average pre-mining baseline levels, the secondary goal will be to return water quality to the levels specified in 30 TAC §331.107(g). In determining if groundwater has met the secondary goal, the following factors may be considered:

- uses for which the groundwater was suitable at baseline water quality levels;
- actual existing use of groundwater in the area prior to and during mining;
- potential future use of groundwater of baseline quality and of proposed restoration quality;
- the effort made by the permittee to restore the groundwater to baseline;
- technology available to restore groundwater for particular parameters;
- the ability of existing technology to restore groundwater to baseline quality in the area under consideration;
- the cost of further restoration efforts;
- the consumption of groundwater resources during further restoration; and
- the harmful effects of levels of a particular parameter.

Based on these guidelines, URI will make a demonstration to TCEQ that leaving the parameter at the higher concentration will not threaten public health and safety, and that, on a parameter-by-parameter basis, water use will not be significantly degraded. The stability monitoring period for this approach would be for a two year period.

Class III Well Plugging and Abandonment

Once final restoration of the production area aquifer is complete, all wells will be plugged per 30 TAC §331.46. In accordance with 30 TAC §331.46(f), URI will notify the TCEQ Executive Director prior to commencing well closure activities. Wells at the Project will only be completed in one aquifer and will be constructed with cement annular seals completely sealing off shallower aquifers. Consequently, placing a plug in the well will prevent movement of fluid through the well, between aquifers, and to the land surface. No casing parting will be required.

URI will maintain complete and accurate records of the location, diameter, and depths of all Project wells. This information will be used to document the complete plugging and abandonment of Project wells. If possible, all intact equipment will be removed from Project wells prior to plugging.

Plugs will be placed in the well using an approved method per 30 TAC §331.46(g)(1). Prior to plugging, well completion information will be used to determine the volume of plugging material required to completely fill the well plus 20 percent. Prior to placing the plug, the well will be in a state of static equilibrium with fluid weight equalized by circulating the fluid in the well at least once. The entire well depth to ground surface will be plugged with:

1. neat cement weighing approximately 12.5 pounds per gallon,
2. cement slurry with one to two percent bentonite gel mixed with enough retarder (if necessary) to allow it to be successfully placed.

Once the plug is placed, the cement will be allowed to cure for a minimum of 48 hours. Cement samples will be collected during seal placement to confirm the cement cures properly. The top of the plug will be tagged. If the depth to the top of the plug is lower than intended, the additional volume of plugging material required, plus 20 percent, will be calculated and placed as described above.

Once a well has been plugged, the area around the well will be excavated and the casing will be cut off 3 feet below the ground surface or at the soil/rock interface, whichever is encountered first and then the excavation will be backfilled with soil to natural grade. URI will keep records of well plugging and will make them available for inspection.

Removal and Reclamation of Wellfield Infrastructure

After groundwater restoration is complete in a specific PAA/wellfield, the surface infrastructure (e.g., pipeline distribution system, electrical equipment, oxygen lines, etc.) will be decommissioned. All buildings and equipment associated with wellfield will be demolished and/or removed from the Upper Spring Creek ISR Project. Contaminated material may: 1)be reused for licensed activities at other licensed facilities; 2)be decommissioned below release limits and salvaged or disposed of in an approved landfill; or 3)be disposed of in an approved 11e.(2) byproduct disposal facility. Any equipment or structures that will remain on site at the request of the landowner will meet appropriate release criteria.

Removal and Reclamation of Satellite IX Facility

After all mining and restoration operations are complete in all PAAs, decommissioning of the remote IX plant can be initiated in a similar process in which equipment will be demolished and/or removed from the Upper Spring Creek ISR Project. Contaminated material may: 1)be reused for licensed activities at other licensed facilities; 2)be decommissioned below release limits and

salvaged or disposed of in an approved landfill; or 3)be disposed of in an approved 11e.(2) byproduct disposal facility. Any equipment or structures that will remain on site at the request of the landowner will meet appropriate release criteria.

Surface Reclamation/ Soil Decommissioning

The purpose of the soil reclamation program will be to return the Upper Spring Creek ISR Project area that was disturbed by mining and related activities to a productive condition for livestock grazing consistent with the present and historical use of the area.

In conjunction with or following removal of the satellite IX facility, soil decommissioning activities can commence which will involve performing radiological surveys to ascertain any contaminated areas requiring further attention. These areas will be evaluated and any materials exceeding prescribed release levels being disposed of at licensed disposal facilities.

Cost Estimate

Cost estimates for groundwater restoration, closure of the Class III wells, facility and soil decommissioning are provided in Appendix C. These estimates are provided in current dollars and assumes the closure activities will be conducted by a third party and include 10% profit and 15% contingency.

Schedule A
Reclamation Cost Estimate
URI Inc. - Upper Spring Creek Project
March 2025

Work Units	Estimated Reclamation Costs
Groundwater Restoration	
PAA-1 Restoration	$ 724,820
PAA-1 Stability Sampling	$ 20,081
Total Groundwater Restoration Costs	**$ 744,901**
Wellfield Reclamation	
Pipelines & Manifolds & Other Equipment	$ 24,027
Soil Cleanup	$ 1,698
Gamma Surveying	$ 632
Soil Sampling - collection and analysis	$ 3,193
Contaminated Waste Haulage and Disposal	$ 79,915
Uncontaminated Waste Haulage and Disposal	$ 2,360
Total Wellfield Reclamation Costs	**$ 111,825**
RIX Facility	
Tank Removal and Disposal	$ 109,159
Piping Removal and Disposal	$ 10,264
Miscellaneous Equipment Removal and Disposal	$ 13,789
Building Removal and Disposal	$ 9,649
Concrete Removal and Disposal	$ 57,813
Total Plant Demolition Costs	**$ 200,673**
Total Cost Site Decommissioning	**$ 1,057,399**
Project Management & SG&A	$ 426,989
Total Reclamation Direct Costs	**$ 1,484,388**
Overhead and Profit (10% of Direct Costs)	$ 148,439
Total Reclamation Costs	**$ 1,632,827**
Contingency (15% of Adj. Reclamation Costs)	$ 244,924
Total Decommissioning Cost Estimate Upper Spring Creek Project - License R03653	**$ 1,877,751**

URI, Inc. - Upper Spring Creek Project

PAA-1 Groundwater Restoration Cost Estimate

February 2025

Zone	Area (ft^2)	Thickness (ft.)	porosity	HFF	VFF	PV (ft^3)	6 PV (ft^3)	6 PV (Gallons)	Thousand Gallons	Cost per 1,000 gal.	Treatment Cost (per 1,000 gal.)
F	116,334	8	0.2	1.5	1.3	362,962	2,177,770	16,289,720	16,290	$4.10	$ 66,836
E	138,339	16	0.2	1.5	1.3	863,234	5,179,405	38,741,949	38,742	$4.10	$ 158,956
Upper D	104,065	13	0.2	1.5	1.3	527,609	3,165,652	23,679,080	23,679	$4.10	$ 97,154
Lower D	111,949	8	0.2	1.5	1.3	349,282	2,095,689	15,675,754	15,676	$4.10	$ 64,317
Upper C	329,749	10	0.2	1.5	1.3	1,286,022	7,716,132	57,716,667	57,717	$4.10	$ 236,808
Lower C	140,289	10	0.2	1.5	1.3	547,128	3,282,770	24,555,119	24,555	$4.10	$ 100,748
									Total >>>>>>		$ 724,820

Notes:

HFF = Horizontal Flare factor

VFF = Vertical Flare Factor

PV = Pore Volume

Estimated to require 6 pore volumes to restore groundwater

Jan. 2024 Cost to treat 1,000 gallons estimated at $4.10 (see GW Cost Basis tab)

URI, Inc. - Upper Spring Creek Project

PAA-1 Stability Sampling Cost Estimate

February 2025

Stability Sampling Program

Baeline Wells	Sample Events	Total Samples	Sample Analysis Cost	Sample Shipping Cost	Cost per Sample	Total Cost
10	3	30	$466	$204	$669	$20,081

Notes:

Sample analysis cost based on ACZ Lab cost - 2024

Sample shipping cost based on UPS shipping - 2024

Wellfield Surface Reclamation

Pipelines

	Total Footage	Unit Volume (ft^3 per linear foot)	Total Volume (ft^3)	% Contaminated	Contaminated Volume (ft^3)	Uncontaminated Volume (Ft^3)	Material	% Contaminated Volume to be Decontaminated	Net Contaminated Volume (ft^3)	Net Uncontaminated Volume (ft^3)
Main Trunkline (Ext. & Inj.)	3500	0.174	609	100%	609	0	PEV	0	609	0
Disposal Well Feed Line	500	0.035	18	100%	17.5	0	PEV	0	18	0
Disposal Well Return Line	500	0.025	13	100%	12.5	0	PEV	0	13	0
Manifold Feed Line	2000	0.035	70	100%	70	0	PEV	0	70	0
		Total (ft^3)	**709**					**Total (ft^3)**	**709**	**0**
								Total (yd^3)	**26**	**0**

Wellhead Manifolds

	Number of Units	Approximate Unit Volume (ft^3)	Total Volume (ft^3)	% Contaminated	Contaminated Volume (ft^3)	Uncontaminated Volume (Ft^3)	Material	% Contaminated Volume to be Decontaminated	Net Contaminated Volume (ft^3)	Net Uncontaminated Volume (ft^3)
Manifold	20	0.6	12	100%	12	0	PEV	0%	12	0
Meter Run	240	0.06	14.4	100%	14.4	0	PVC/Steel	0%	14.4	0
Surface Pipe	24000	0.1	2400	75%	1800	600	PEV	0%	1800	600
Well Head	240	0.1	24	100%	24	0	PVC/Steel	0%	24	0
Submersible Pump	120	0.1	12	100%	12	0	Steel	0%	12	0
Downhole Cable	120	0.1	12	100%	12	0	Cable	100%	0	12
Drop Pipe	120	0.5	60	100%	60	0	PVC	0%	60	0
Electrical	120	0.1	12	0%	0	12	Mixed	0%	0	12
		Total (ft^3)	**2546**					**Total (ft^3)**	**1922**	**624**
								Total (yd^3)	**71**	**23**

	Length (ft) or area (ft2)	Total Volume (ft^3)	Net Contaminated Volume (ft^3)	Net Uncontaminated Volume (ft^3)	Total Contaminated yds	Total Uncontaminated Yds
Soil (1% of area assumed to be contaminated)						
PAA-1	13000	3250	3250	0	120	0
Powerlines (ft)	3000	300	0	300	0	11
Oxygen Pipeline	1500	150	0	150	0	6
	Total (ft^3)	**3700**		**Total (yd^3)**	**120**	**17**

Total Materials

Total Contaminated Material (yd^3)	217
Total Uncontaminated Material (yd^3)	40
Total Materials	**257**

Labor Costs

Pipelines and Manifold Equipment		Hourly Rates	Producivity Rate (cu ft/Man-day)	Total Volume (ft^3)	Dismantle/Breakup/Load (Man-days)	Dismantle/Breakup/ Load (Crew-days)	Decontamination Rate (cu ft/Man-Day)	Decontaminated Material (ft^3)	Decontamination (Man-day)	Costs ($)
Foreman	1	$40.00	140	3705	26	9	120	12	1	$8,640
Operator	1	$24.97	140	3705	26	9	120	12	1	$5,394
Laborer	1	$21.07	140	3705	26	9	120	12	1	$4,551
Laborer	1	$21.07	140	3705	26	9	120	12	1	$4,551
Soil										
Operator - Maintainer	1	$24.97	800	3250	4	1				$799
Operator - Loader	1	$24.97	800	3250	4	1				$799
									Total	**$24,734**
		Equipment Costs								

Pipelines and Manifold Equipment	No. of Units	Hourly Rate	No. of Hours	Costs ($)	
Dozer	1	34.09	9	$307	Note: Hours in this section are based on the Man-hours calculated for each task.
Trackhoe/Excavator	1	34.09	9	$307	
Soil					
Maintainer	1	12.53	4	$50	
Wheel Loader	1	12.53	4	$50	
Other Equip. Costs (Cutting Torch, tools, etc.)	1	21.31	13	$277	
			Total	**$991**	

Haulage, Disposal and Cleanup Verification of Contaminated Areas in Wellfields

	Total Area (ft2)	Gamma Survey Coverage rate (acre/hr)	number of soil survey hours or grids	$/Unit	Cost ($)
Soil Verification (survey and sampling)					
Gamma survey	1306800	1	30	$21	$632
Soil sampling - collection	13000	1	14	$21	$304
Soil sampling - analysis cost	13000		14	$200	$2,889
Haulage	**Total Yds**		**Trip Rate/Load**	**No. Loads**	**Cost**
Contaminated Waste	217		5508	10	$55,080
UnContaminated Waste	40		540	2	$1,080
Disposal Costs	**Total Yds**		**Disposal Cost ($ per cu Yd)**		**Cost**
Contaminated Waste	217		114.25		$24,835
UnContaminated Waste	40		32		$1,280
Combined Haul and Disposal Costs					
Contaminated Waste Haulage and Disposal					$79,915
UnContaminated Waste Haulage and Disposal					$2,360
Total Waste Haulage and Costs and clean-up verification					**$82,275**
				Total Costs	**$111,825**

Total for Wellfield Reclamation

Work Unit	Cost
Pipelines & Manifolds	$23,750
Soil Cleanup	$1,698
Other Equipment	$277
Gamma Surveying	$632
Soil Sampling - collection and analysis	$3,193
Contaminated Waste Haulage and Disposal	$79,915
Uncontaminated Waste Haulage and Disposal	$2,360
Total Wellfield Reclamation Cost	**$111,825**

URI, Inc. - License R03653
USC Satellite RIX Facility

		Description	Qauantity and/or Unit Cost		Cost
I.	**Satellite Concrete Pads Removal and Disposal**				
	A.	Satellite concrete pad removal and disposal			
		Total No of. Concrete Pads	1		
		Total Volume of Concrete Pads (yds3)	334		
		Total Weight of Releasable Concrete (lbs.)	1,285,065		
		Total Weight of Unreleasable Concrete (lbs.)	67,635		
		Backhoe/Loader rental: $/hour	$12.53		
		Backhoe/Loader operator: $/hour	$24.97		
		Backhoe concrete capacity (yds^3/hr.)	4.97		
		Backhoe Hydraulic Hammer rental: $/hour	$21.31		
		Backhoe Hydraulic Hammer Production rate: yds3/hr.	6.25		
		Backhoe Fuel cost: $ per operating hour	$9.04		
	B.	Field Work			
		Backhoe Hydraulic Hammer (hrs/total yds3)	53.44		
		Backhoe (hrs/total yds3)	67.20		
		Backhoe (Total Hours)	120.64		
		Equipment		$	1,981
		Fuel		$	1,091
		Labor		$	3,013
		Total Field Work Cost		**$**	**6,084**
	C.	11.e.2 removal and disposal costs			
		11e.(2) trucking and disposal per Lb.		**$**	**0**
		Total Cost		**$**	**13,177**
	D.	Landfill removal and disposal costs			
		Landfill trucking and disposal per Lb.		**$**	**0**
		Total Cost		**$**	**38,552**
Total Cost for Concrete Removal and Disposal				**$**	**57,813**
II.	**Satellite Tank Removal and Disposal**				
	A.	Tank Removal and disposal			
		Total No. of Steel Tanks	18		
		Total Weight of Unreleasable Steel Tanks (lbs.)	93,198		
		Total Weight of Releasable Steel Tanks (lbs.)	93,198		
		Total No. of Fiberglass Tanks	7		
		Total Volume of Fiberglass tanks (yd3)	17.35		
		Manlift rental: $/hour	$18.86		
		Backhoe/Loader rental: $/hour	$12.53		
		Backhoe/Loader operator: $/hour	$24.97		
		Backhoe Fuel cost: $ per operating hour	$9.04		
		Manlift Fuel cost: $ per operating hour	$6.78		
		Welder: $/hour	$26.53		
		Welder Helper: $/hour	$21.07		
		Field Tech: $/hour X 2	$42.15		
	B.	Field Work			
		Welder (Total hrs.)	576.00		
		Field Tech (Total hrs.)	168.00		
		Equipment		$	23,354
		Fuel		$	11,770
		Labor		$	53,081
		Total Field Work Cost		**$**	**88,206**
	C.	11.e.2 removal and disposal costs (steel tanks are 50% is un-releasable)			
		11e.(2) trucking and disposal per Lb.		**$**	**0.19**
		Total Cost - steel tanks		**$**	**18,157**
		11.e.2 removal and disposal costs (fiberglass tanks are 100% un-releasable)			
		11e.(2) trucking and disposal per 20 yd3 load		**$**	**7,793**
		number of loads			**1**
		Total Cost - fiberglass tanks		**$**	**7,793**
		Total Cost		**$**	**114,156**

C.	Landfill removal and disposal costs (50% is releasable)			
	Landfill trucking and disposal per Lb.		$	0.03
	Total Cost		$	2,796
Total Cost for Plant Tank Removal and Disposal			$	109,159
III	**Satellite Piping Removal and Disposal**			
A.	Piping Removal and disposal			
	Total weight of PVC Pipe and Fittings	24333.24		
	Total No. of PVC Pipe Joints	113.00		
	Total weight of Metal Piping	5463.00		
	Total No. of Metal pipe joints	16		
	Supersac: $/bag	$14.40		
	Total Lbs/supersac	2200.00		
	Backhoe/Loader rental: $/hour	$12.53		
	Backhoe/Loader operator: $/hour	$24.97		
	Backhoe Fuel cost: $ per operating hour	$9.04		
	Chipper rental: $/hour	$24.20		
	Chipper Load Capacity (Joints/hr.)	12.00		
	Welder: $/hour	$26.53		
	Welder (joints/ hr.)	2.00		
	Welder Helper: $/hour	$21.07		
	Field Tech: $/hour X 2	$42.15		
B.	Field Work			
	Chipper (Total hrs.)	9.42		
	Backhoe (Total hrs.)	57.42		
	Welder (Total hrs.)	8.00		
	Field Tech (Total hrs.)	49.42		
	Supplies		$	159
	Equipment		$	947
	Fuel		$	519
	Labor		$	3,897
	Total Field Work Cost		$	5,523
C.	11.e.2 removal and disposal costs (assume 100% is not releaseable)			
	11e.(2) trucking and disposal per Lb.		$	0.19
	Total Cost		$	4,741
Total Cost for Piping Removal and Disposal			$	10,264
IV.	**Satellite Equipment Removal and Disposal**			
A.	Equipment Removal and disposal			
	Total weight of Equipment (lbs.)	17,900		
	Backhoe/Loader rental: $/hour	$12.53		
	Backhoe/Loader operator: $/hour	$24.97		
	Backhoe Fuel cost: $ per operating hour	$9.04		
	Welder: $/hour	$26.53		
	Welder Helper: $/hour	$21.07		
B.	Field Work			
	Welder (Total hrs.)	106		
	Backhoe (Total hrs.)	106		
	Equipment		$	1,328
	Fuel		$	958
	Labor		$	7,693
	Total Field Work Cost		$	9,980
C.	11.e.2 removal and disposal costs (assume 100% is not releaseable)			
	11e.(2) trucking and disposal per Lb.		$	0.19
	Total Cost		$	3,487
Total Cost for Equipment Removal and Disposal			$	13,467

URI, Inc. - License R03653
USC Satellite RIX Facility

V. Satellite Grating Removal and Disposal

A.	Grating Removal and disposal			
	Total ft.2 of grating (ft.2)	180		
	Total weight of grating (lbs.)	684		
	Backhoe/Loader rental: $/hour	$12.53		
	Backhoe/Loader operator: $/hour	$24.97		
	Backhoe Fuel cost: $ per operating hour	$9.04		
	Welder: $/hour	$26.53		
	Welder Helper: $/hour	$21.07		
B.	Field Work			
	Welder (Total hrs.)	2.00		
	Welder Helper (Total hrs.)	2.00		
	Backhoe (Total hrs.)	2.00		
	Equipment		**$**	**25**
	Fuel		**$**	**18**
	Labor		**$**	**145**
	Total Field Work Cost		**$**	**188**
C.	11.e.2 removal and disposal costs (assume 100% is not releaseable)			
	11e.(2) trucking and disposal per Lb.		**$**	**0.19**
	Total Cost		**$**	**133**
Total Cost for Grating Removal and Disposal			**$**	**322**

V1. Satellite Building Removal and Disposal

A.	Building Removal and disposal			
	No of buildings	5.00		
	Total ft2 of buildings (ft.2)	300.00		
	Building Weight/ sq ft (lbs./ft.2)	37.50		
	Total weight of buildings (lbs.)	11,250		
	Backhoe/Loader rental: $/hour	$12.53		
	Backhoe/Loader operator: $/hour	$24.97		
	Backhoe Fuel cost: $ per operating hour	$9.04		
	Dozer operator: $/hour	$24.97		
	Dozer rental: $/hour	$34.09		
	Dozer Fuel cost: $ per operating hour	$40.68		
	Field Tech: $/hour X 2	$42.15		
B.	Field Work			
	Dozer (Total hrs.)	40		
	Backhoe (Total hrs.)	60		
	Field Tech (total hrs.)	60		
	Equipment		**$**	**2,115**
	Fuel		**$**	**2,170**
	Labor		**$**	**5,026**
	Total Field Work Cost		**$**	**9,311**
C.	Landfill removal and disposal costs			
	Landfill trucking and disposal per Lb.		**$**	**0.03**
	Total Cost		**$**	**338**
Total Cost for Plant Building removal and Disposal			**$**	**9,649**
Total Satellite Costs			**$**	**200,673**

URI, Inc. - License R03653
USC Satellite RIX Facility

Assumptions and Calculations:

1	Backhoe/Loader rental: $/hour	Requested updated budgetary quote from local rental agencies. $2,205 per month. 22 working days per month at 8 hours per day = $12.53 per hour rental.
2	Backhoe/Loader operator: $/hour	Utilized current pay rate for URI hourly employee with backhoe certification +30% for overhead costs
3	Backhoe concrete capacity (yds^3/hr.)	Assume fill 1.3yds/bucket. Takes 5.68 mins total to travel back and forth from work area to concrete disposal area(500 ft. total). Driving at 1mph(88ft/min).Assume it takes 5 mins to fill bucket and 5 mins to unload bucket. Total of 15.68min per bucket 60min/15.68min per bucket=3.82buckets/hr 3.82 buckets per hour* 1.3yds3 per bucket=4.97yds3/hr.
4	Backhoe Hyd. Hammer rental: $/hour	Rental $3750/month 22 days per month at 8 hours per day = $21.31/hr
5	Backhoe Hyd. Hammer Prod. rate:	Hydraulic Hammer: Impact energy class 1000ft/lbs 50 yds3 per day at 8 hours per day= 6.25yds3/hr.
6	Backhoe Fuel cost: $ per operating hr	Consumes 2 gallons per hour at a cost of $4.52 per gallon
7	Total Volume of Concrete Pad (yds3)	Volume of Pads= Sq area X Concrete Depth Depth =8"=.75' Depth = 12" = 1' Area at 8" - 138' x 61' + 96' x 20' + 70' 13.5' - (area at 12") 8418 + 1920 + 945 - 1970 = 9315 ft2 Volume = 9315 * 0.75 = 6987 or 7000 ft3 Area at 12" - 12 * 38 * 4 + 12 *12 = 1970ft2 Volume = 1970 * 1 = 1970 or 2000 ft3 Total volume = 7000 + 2000 = 9000 ft3 / 27 ft3/yd = 333.3 = 334 yd3
8	Total Wt. of Releasable Concrete (lbs.)	Assume 95% of all concrete is releasable. 334 yd3 * 0.95 * 4050 lbs/yd3
9	Total Wt. of Unreleasable Concrete (lbs.)	Assume 5% of all concrete is Unreleasable. 334 yd3 * 0.05 * 4050 lbs/yd3
10	Total Wt. of Unreleasable Steel Tanks (lb	Assume 50% is Unreleasable. Total weight of Tanks X 50%= 159854.59 X .2 = 79,927 lbs.
11	Total Wt. of Releasable Steel Tanks (lbs.	Assume 50% is Releasable. Total weight of Tanks X 50%= 159854.59 X .2 = 79,927 lbs.
12	Total Volume of Fiberglass tanks (yd3)	See USC Tank Spec worksheet
13	Manlift rental: $/hour	Rental $3,319/month 22 days per month 8 hours per day =$18.86
14	Manlift Fuel cost: $ per operating hour	1.5 gal/hr. @ $4.52/gal=$6.78 /hr.
15	Total weight of PVC Pipe and Fittings	USC Sat. IX Columns Total length of pipe(ft.) X weight of PVC (lb./ft)= Total weight of pvc Sch 40 PVC Pipe weights 1" pipe : 400' X .333 lbs/ft.= 133.20 lbs. 2" pipe : 20' X .72 lbs/ft.= 14.40 lbs. 4" pipe : 240' X 2.188 lb/ft.= 508.32 lbs. 6"pipe : 60' X 3.733 lb/ft= 223.98 lbs. Sch 80 PVC Pipe Weights 6"pipe : 20' X 5.41 lbs/ft= 112.2 lbs. 8"pipe : 520' X 8.522 lb/ft= 4431.44 lbs. Total Weight of Sat. 17 PVC pipes 133.20+14.40+508.32+223.98+112.20+4431.44= 5423.54 lbs Total Weight of SAT PVC Pipe 5423.54 X 4 (IX Trains)=21,694.16 lbs RO Total length of pipe(ft.) X weight of PVC (lb./ft)= Total weight of pvc Sch 40 PVC Pipe weights 2" pipe : 240' X .72 lbs/ft.= 172.80 lbs. 4" pipe : 240' X 2.188 lb/ft.= 525.12 lbs. 6"pipe : 520' X 3.733 lb/ft= 1941.16 lbs. Total Weight of RO PVC Pipe 172.80+525.12+1941.16= 2639.08 Total weight 21694.16+2639.08=24,333.24
16	Total No. of PVC Pipe Joints	USC Sat. Sch 40 PVC Pipe Joints

	1" pipe : 20 2" pipe : 1 4" pipe : 12 6"pipe : 3 Sch 80 PVC Pipe Joints 6" pipe : 1 8" pipe : 26 Total No. of Joints 20+1+12+3+1+26= 63 Joints RO Sch 40 PVC Pipe Joints 2" pipe : 12 4" pipe : 12 6"pipe : 26 Total No. of Joints 12+12+26= 50 Joints Total No. of Joints 63+ 50= 113 joints
17 Total weight of Metal Piping	Metal Pipe weights Carbon Steel/ Stainless steel Total length of pipe(ft.) X weight of metal (lb./ft)= Total weight of metal pipe Stainless Steel 2" pipe : 20' X 3.654 lbs/ft.=73.08 lbs. 6" pipe : 20' X 18.981 lbs/ft.=379.62 lbs. Carbon Steel 6" pipe : 120' x 18.99 lb/ft.=2278.8 lbs. Total weight of metal pipe 73.08+379.62+2278.8=2731.50 lbs. 2731.50 X 2 RO units=5463 lbs.
18 Total No. of Metal pipe joints	Metal Pipe Joints for 1 RO unit Total NO. of Metal pipe joints at 20 ft. 2" Stainless pipe : 1 joint 6" Stainless pipe : 1 joint 6" Carbon pipe : 6 joints Total No. of Metal Joints 1+1+6=8 joints of metal pipe 8 X 2 RO units= 16 Joints
19 Chipper rental: $/hour	Rental $4260/month 22 days per month 8 hours per day =$24.20/hr
20 Chipper Load Capacity (Joints/hr.)	Assume 1 joint processed every 5 min. 60min/5min per joint=12 joints/hr.
21 Total weight of Equipment (lbs.)	R0 RO is 5000 lbs. RO filter feed pump is 400 lbs. RO product pump is 400 lbs. RO reject pump is 400 lbs. RO wash pump is 300 lbs. RO High Pressure Pump is 400 lbs Cuno Filter Pods are 300 lbs. USC Sat Injection Pump is 1000 lbs. X 4= 4000 lbs. Resin Traps are 400 lbs. X 12 = 4800 lbs. Single Bag Housing Filter Pods are 100 lbs. X 8 = 800 lbs. Transfer Pump is 400 lbs. X 2 = 800 lbs. Sump Pump is 150 lbs. X 2 = 300 lbs. Total weight of Equipment: 5000+400+400+400+300+400+300+4000+4800+800+800+300=17,900 lbs
22 Total ft.2 of grating (ft.2)	Total Ft.2 of Grating USC RIX 2 sumps each at 36' x 2.5' = 180 ft2
23 Total weight of grating (lbs.)	Total Weight of grating Fiberglass Grating Dimensions= 1 1/2" X 1 1/2" x 1 1/2" = 3.8lb/ft.2 Satellite Floor Grating 180ft2 x 3.8lb/ft.2=684 lbs
24 Total ft2 of buildings (ft.2)	Square Ft. of Buildings USC MCC: 12' X 12' =144 ft2

URI, Inc. - License R03653
USC Satellite RIX Facility

	USC control room: 10 ' x 15 ' = 150 ft2
	Total area = 144 +150 = 300 ft2
25 Total weight of buildings (lbs.)	Assume weight of buildings is 37.50lbs./ft2.
	Total ft2 of buildings X 37.50lbs/ft2= 300 * 37.5 = 11,250 lbs
26 Welder: $/hour	Utilized URI Inc. Employee pay plus welder certification +30% for overhead costs
27 Welder Helper: $/hour	Utilized current pay rate for URI hourly Employee +30% for overhead costs
28 Field Tech: $/hour X 2	Utilized current pay rate for URI hourly Employee +30% for overhead costs
	$16.21/hr*2*1.3=$42.15/hr. (includes 30% overhead costs)
29 Welder (Total hrs.)	Assume it takes welder/welderhelper 32hrs/steel tank to cut to desired shipping size.
	Assume welder can cut a joint in half (10') and the split the joint in half length ways in 30 mins.
	Assume it takes welder 2 hrs to prep pumps for removal and disposal.
	2 hrs. X 9 pumps= 18 hrs.
	Assume it takes welder 6 hrs to cut 1 Lakos Sand Filter.
	6 hrs. X 2 Lakos= 12 hrs.
	Assume it takes welder 1 hr. to cut 1 single bag housing filter pod.
	1 hr. X 17= 17hrs.
	Assume it takes welder 16 hrs. to cut R.O. frame and R.O. tubes.
	Assume it takes welder 1 hr. to cut cuno filter housings.
	1 hr. X 3= 3hrs.
	Assume it takes welder 4 hrs. to cut 1 resin trap.
	4 hrs. X 10 traps= 40hrs.
	Total Hrs.
	18+12+17+16+3+40= 106 hrs.
	Assume welder can cut 6 ft2 of grating in 4 mins. 6ft2 in 4 mins =90ft2 in 1 hr.
30 Field Tech (Total hrs.)	Assume it takes field techs 24 hrs/tank to cut to desired shipping size. (1 tank)
	24hrs*1= 24hrs
	Assume it takes Field techs 40 hrs to demo pipe plus chipping time
	Assume it takes field techs 12 hrs per storage buildings for prep work and disposal.
	5x12hrs=60hrs
31 Dozer operator: $/hour	Utilized current pay rate for URI hourly employee with dozer certification
	+30% for overhead costs
32 Dozer rental: $/hour	D6 Rental $6000/month
	22 days per month
	8 hours per day=$34.09/hr
33 Dozer Fuel cost: $ per operating hour	Consumes 9 gallons per hour at a cost of $4.52 per gallon
34 Dozer (Total hrs.)	Assume it takes 8 hrs to demo one building with dozer. 8hrs X 5 = 40hrs
35 Backhoe (Total hrs.)	Assume backhoe is utilized from start to finish of field work.
	Used to load and unload scaffolding and grating.
36 Landfill trucking and disposal per Lb.	3 hrs load/unload@ yard
	1 hr to swap boxes
	1.5 hrs total travel time from yard to KVD, from KVD to landfill, and from landfill to yard.
	Total of 5.5 hrs @ $95/hr delivery charge=$522.50
	2 days @ $8/day rental= $16.00
	$522.50+$16.00= $538.50
	20 Tons @ $31.56/ton disposal fee= $631.20
	Total charge = $538.50 + $631.20= $1169.90/trip
	20 tons = 40000lbs
	$1169.90/40000lbs= $0.03 / lb.
37 11e.(2) trucking and disposal per lb.	Calculated on 11e2 Trans and Disposal tab.

USC Sat. Tank List

Fiber Glass Tanks

3.141592654 1 yd^3= 46656 in^3

No.	Name	Dimensions						
		Height (in.)	Diameter (in.)	Wall Thickness (in.)	Weight (Lbs.)	Surface Area (in.^2)	Tank used	Volume (yd^3)
1	USC RO Back Wash Tank	120	96	0.75	N/A	50641.92	TRUE	0.81
2	USC RO Reject Tank	240	168	0.75	N/A	170916.48	TRUE	2.75
3	USC T22 Tank	216	168	0.75	N/A	158256.00	TRUE	2.54
4	USC T21 Tank	192	168	0.75	N/A	145595.52	TRUE	2.34
5	USC RO Feed Tank	240	168	0.75	N/A	170916.48	TRUE	2.75
6	USC RO Wash Tank	60	96	0.75	N/A	32555.52	TRUE	0.52
7	USC Surge TankTank	264	187	0.75	N/A	209916.85	TRUE	3.37

USC Sat.
Total Volume **15.09**
Void Space 15% **2.26**
Total Adjusted Volume **17.35**

Total Weight

N/A **Total Volume (yds^3)** **15.09**
Void Space 15% **2.26**

Total Adjusted Volume **17.35**

Assumptions***
Average wall thickness is .75"
All Tanks are Cylindrical Tanks
A 15% Factor of void space

Steel Tanks

1 ft^3=490lbs of steel

No.	Name	Dimensions						
		Height (in.)	Diameter (in.)	Wall Thickness (in.)	Weight (Lbs.)	Surface Area (in.^2)	Tank used	Volume (yd^3)
1	USC Sand Filter 1	84	84	0.5	4711.96	33233.76	TRUE	0.36
2	USC Sand Filter 2	84	84	0.5	4711.96	33233.76	TRUE	0.36
3	USC Sand Filter 3	84	84	0.5	4711.96	33233.76	TRUE	0.36
4	USC Sat IX 1A	204	108	0.5	12404.96	87492.96	TRUE	0.94
5	USC Sat IX 1B	204	108	0.5	12404.96	87492.96	TRUE	0.94
6	USC Sat IX 1C	204	108	0.5	12404.96	87492.96	TRUE	0.94
7	USC Sat IX 2A	204	108	0.5	12404.96	87492.96	TRUE	0.94
8	USC Sat IX 2B	204	108	0.5	12404.96	87492.96	TRUE	0.94
9	USC Sat IX 2C	204	108	0.5	12404.96	87492.96	TRUE	0.94
10	USC Sat IX 3A	204	108	0.5	12404.96	87492.96	TRUE	0.94
11	USC Sat IX 3B	204	108	0.5	12404.96	87492.96	TRUE	0.94
12	USC Sat IX 3C	204	108	0.5	12404.96	87492.96	TRUE	0.94
13	Sat 16 Sand Filter 1	72	96	0.5	7800.00	36172.80	TRUE	0.39
14	Sat 16 Sand Filter 2	72	96	0.5	7800.00	36172.80	TRUE	0.39
15	Sat 16 Sand Filter 3	72	96	0.5	7800.00	36172.80	TRUE	0.39
16	USC Sat IX 4A	204	108	0.5	12404.96	87492.96	TRUE	0.94
17	USC Sat IX 4B	204	108	0.5	12404.96	87492.96	TRUE	0.94
18	USC Sat IX 4C	204	108	0.5	12404.96	87492.96	TRUE	0.94

USC Sat
Total Weight (Lbs. 186395.44

Total Weight (Lbs. **186395.44** **Total Volume** **13.48**
Void Space 15% **2.02**

Total Adjusted Volume **15.51**

Assumptions***
All Tanks are Cylindrical Tanks
A 15% Factor of void space

USC 11.e.2 Transportation and Disposal

Assumptions:

1. Based on contract costs for disposal at White Mesa mill, Blanding, UT
   Disposal fee rate $100.00 per ton of bulk soil
   Unloading charge of $100.00 per trailer.
   Unloading charge of $35.00 per trailer.
   Decon charge of $150.00 per truck.
2. Transportation costs based upon 2022 actual shipping costs of 11e2 material.

Cost Calculation

Disposal fee (per ton) bulk soil	$100.00
Trailer capacity (yds3) (weight limited)	20
Transportation per trip ($)	$5,508
Disposal fee per trip ($)	$2,000
Unloading charge of $100.00 per trailer.	$100
Unloading fee per trip ($)	$35
Decontamination charge per trip ($)	$150
Total disposal and transportation per trip	**$7,793**
Total disposal and transportation per yd3	**$389.65**
Total disposal and transportation per ft3	**$14.43**
Total disposal and transportation per lb.	**$0.19**

Project Management & SG&A Costs

Management Organization	Occupation Code	Annual Salary	Monthly Salary	Months	Burden*	Total Cost
Project Manager	11-1021	$116,340	$9,695	6	$16,171	$74,341
HSE Supervisor/RSO	17-2111	$125,390	$10,449	10	$29,049	$133,540
HSE Technician/RST	17-3025	$58,780	$4,898	10	$13,617	$62,601
Electrician	47-2111	$77,680	$6,473	3	$5,399	$24,819
Secretary	43-9199	$51,350	$4,279	10	$11,896	$54,688
						$349,989

Overhead Expenditures	Cost Per Month	Period of use	Total Cost
Office Expenses	$4,000	10	$40,000
Vehicles (maintenance & Fuel)	$3,000	10	$30,000
Other Equipment Rental	$700	10	$7,000
			$77,000

Total SG&A **$426,989**

Sources

Texas - May 2023 OEWS State Occupational Employment and Wage Estimates

Remediation and Other Waste Management Services - May 2023 OEWS Industry-Specific Occupational Employment and Wage Estimates

Groundwater treatment costs based on the Actual Groundwater costs at KVD from 2010 through 2013

Year	KVD Vol. Treated (Gallons)	Total GW Treatment Cost ($)	Cost ($) /M Gal treated
2010	253,685,188	727,716	2.87
2011	237,776,025	756,921	3.18
2012	228,794,408	858,015	3.75
2013	243,886,012	752,785	3.09
Totals	**964,141,633**	**3,095,437**	**3.21**

Calendar Year	TCEQ Annual Percentage Change	treatment unit cost $ / M Gal.
		$3.21
2013	1.5	$3.26
2014	1.5	$3.31
2015	1.0	$3.34
2016	1.3	$3.38
2017	1.8	$3.44
2018	2.3	$3.52
2019	1.7	$3.58
2020	1.2	$3.63
2021	4.2	$3.78
2022	7.0	$3.94
2023	3.6	$4.10

KEY

Description:	Cost:
Labor	
Backhoe/Loader operator: $/hour	$24.97
Welder: $/hour	$26.53
Welder Helper: $/hour	$21.07
Dozer operator: $/hour	$24.97
Roller operator: $/hour	$21.07
Forklift operator: $/hour	$21.07
Field Tech: $/hour	$21.07
Rentals	
Backhoe/Loader rental: $/hour	$12.53
Manlift rental: $/hour	$18.86
Roller rental: $/hour	$16.84
Dozer rental: $/hour	$34.09
Forklift rental: $/hour	$25.86
40' gooseneck trailer rental: $/hour	$11.88
Backhoe Hydraulic Hammer rental: $/hour	$21.31
Chipper rental: $/hour	$24.20
Fuel Costs	
Backhoe/Loader Fuel cost: $ per operating hour	$9.04
Manlift Fuel cost: $ per operating hour	$6.78
Roller Fuel cost: $ per operating hour	$9.04
Dozer Fuel cost: $ per operating hour	$40.68
Forklift Fuel cost: $ per operating hour	$9.04
Fill Dirt Cost $/ton	$12.65
Super Sac Cost	$14.40

URI, Inc. Upper Spring Creek Project
Area Permit No: UR03095

Schedule A

Date: **March 25, 2025**

Name of Surety: **Indemnity National Insurance Company**

Name of Principal: **enCore Alta Mesa LLC in favor of TCEQ**

As per Performance Bond **N-7005612**

Area Permit No: UR03095
Permit Name: **URI, Inc. Upper Spring Creek Project**

Physical and Mailing Address: **URI, Inc., 101 N. Shoreline Drive, Ste. 560, Corpus Christi, TX 78401**

Work Item/Work Element			Total
Pre-existing Wells in Permit Area			
6 Wells in Permit Area		$	2,070
PAA-1			
425 Class III cased wells		$	155,637
	2022 Total	$	157,707
Adjustment for 2022 Inflation factor (7%)		$	11,039
CY 2023 Closure Cost Estimate for UIC Activities		$	168,746
Adjustment for 2023 inflation factor (3.6%)		$	6,075
CY 2024 Closure Cost Estimate for UIC Activities		$	174,821
Adjustment for 2024 inflation factor (2.4%)		$	4,196

CY 2025 Closure Cost Estimate for UIC Activities	**$**	**179,017**
CY 2025 Class III Monitoring & Baseline Wells	$	25,000
Sub-total	**$**	**204,017**
Contingency Factor (10%)	**$**	**21,492**
Total	**$**	**225,509**

UPPER SPRING CREEK - PAA-1 PLUGGING AND ABANDONMENT COST ESTIMATE

February 2025

PAA	WELL TYPE	IN WELL CASING	ID Inches	QTY	FT AVERAGE DEPTH	CU YD HOLE VOLUME	CU YD Slurry REQ'D	EACH WELL SLURRY COST	BACKHOE	BACKHOE OPERATOR	ENG/ GEOL	PLUGGING OPERATORS	PLUGGING EQUIPMENT	Ancillary 2%	TOTAL PER HOLE	TOTAL PAA	WITH PROFIT
USC	PRODUCTION	6	5.78	168	320	2.16	2.59	$ 112	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 299	$ 50,235	$ 60,282
USC	PRODUCTION	6	5.78	71	350	2.36	2.83	$ 122	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 310	$ 21,989	$ 26,386
USC	PRODUCTION	6	5.78	100	370	2.50	3.00	$ 129	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 317	$ 31,682	$ 38,019
USC	PRODUCTION	6	5.78	37	385	2.60	3.12	$ 134	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 322	$ 11,920	$ 14,304
USC	MONITOR	5	4.85	33	385	1.83	2.20	$ 95	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 282	$ 9,293	$ 11,151
USC	OMWs	5	4.85	8	260	1.24	1.48	$ 64	$ 18	$ 10	$ 86	$ 58	$ 10	$ 5	$ 250	$ 2,002	$ 2,402
USC	BASELINE	6	5.78	8	385	2.60	3.12	$ 134	$ 18	$ 10	$ 86	$ 58	$ 10	$ 6	$ 322	$ 2,577	$ 3,093
PAA TOTALS				425			545	$ 23,477	$ 3,945	$ 2,085	$ 18,600	$ 12,510	$ 2,232	$ 1,257		$ 129,698	$ 155,637
Pre-existing Wells (see note)		4	5.78	6	299	2.27	1.89	$ 81	$ 18	$ 29	$ 86	$ 58	$ 10	$ 6	$ 287	$ 1,725	$ 2,070
USC TOTAL (2022)				431				$ 23,559	$ 3,964	$ 2,114	$ 18,686	$ 12,568	$ 2,242	$ 1,263		$ 131,422	$ 157,707
Adjustment for 2022 Inflation factor (7%)																	$ 11,039
USC TOTAL (2023)																	$ 168,746
Adjustment for 2023 inflation factor (3.6%)																	$ 6,075
USC TOTAL (2024)																	$ 174,821
Adjustment for 2024 inflation factor (2.4%)																	$ 4,196
USC Sub- TOTAL (2025)																	**$ 4,196**
Existing N-7005612 Bond																	$ 25,000
USC Sub- TOTAL (2025)																	**$ 204,017**
Contingency Factor (10%)																	**$ 21,492**
USC TOTAL (2025)																	**$ 225,509**

Cost per Well	$523

CEMENT SLURRY OVERAGE		120%
SLURRY MATERIAL COST PER 1 CUBIC YARD	$	43.11
HOLES FILLED PER DAY		7
PLUGGING OPERATORS		2
PLUGGING OPERATOR PER YEAR	$	42,036.80
ENGINEER/GEOLOGIST PER YEAR/ PE	$	125,000.00
BACKHOE OPERATOR PER YEAR	$	42,036.80
BACKHOE USE PER DAY	$	127.27
CONTRACTOR PROFIT		120%
PLUGGING EQUIPMENT MAINTENANCE/ MO	$	1,500.00

Notes

Yellow shaded lines are the only wells installed as of October 31, 2024

Closure costs associated with the 6 pre-existing wells described in Area Permit application.

The P&A costs estimate includes contractro profit of 20%.

Cement slurry overage of 20% is used to "top-off" hole to account for settlement in hole.

Mixture is calculated using approved P&A mixture updated August 8, 2014.

Backhoe operators and backhoe used for surface plugging tasks and used only 33% of the time.

Plugging operators and engineer utilized 100% of time

Time assignment is 250 work days per year, 21 work days per month.

Personnel costs include burden of 20%.

Slurry Mixture

	Ratio by Weight	1 yd^3		1 yd^3	201.974 gallons
Cement	1	148.5	lbs		
Gel	1.19	176.7	lbs		
Water	10.55	1,566.7	lbs		
		1,891.9	lbs		
Density		**9.367**	lbs/gal		

Material Costs

Cement	$ 12.19	per sack	94 lbs	0.13	$/lb.	19.25 $/$yd^3$
Gel	$ 13.50	per sack	100 lbs	0.14	$/lb.	23.86 $/$yd^3$
Water	No cost - from existing supply wells			0.00	$/lb.	0.00 $/$yd^3$
						43.11 $/$yd^3$