Texas Commission on Environmental Quality

Class III Injection Well Area Permit Application To Conduct In-Situ Mining of Uranium

Instructions

1. A person proposing to conduct in-situ mining of uranium from subsurface deposits must obtain an Area Permit and Production Area Authorization (PAA) pursuant to the Texas Water Code (TWC), Chapter 27. If the operator of the facility is not the owner, then the operator shall be the applicant for an Area Permit. The applicant is referred to Title 30 of the Texas Administrative Code (TAC)[1] Chapters 1, 3, 33, 37, 39-86, 281, 305 and 331 for technical and procedural regulations. Handling and storage of radioactive materials and disposal of by-product material must be authorized by a Radioactive Material license in accordance with 30 TAC Chapter 336.

2. A person may not commence underground injection activities for the purpose of in-situ mining recovery of uranium until the Commission has issued an Area Permit and PAA to authorize such activities, the Commission has issued a license for the handling and processing of radioactive materials, and the Commission and Environmental Protection Agency (EPA) have approved an aquifer exemption for the proposed production zone if the zone contains groundwater meeting the definition of an underground source of drinking water (USDW). The PAA application may be developed concurrently with or after the Area Permit application.

3. The application should be delivered to the following mailing address or physical address:

   Mailing address:

   Texas Commission on Environmental Quality
   Attn: Underground Injection Control (UIC) Permits Section
   Radioactive Materials Division
   Mail Code: 233
   P.O Box 13087
   Austin Texas 78711-3087

   Physical address:

   Texas Commission on Environmental Quality
   Attn: Underground Injection Control (UIC) Permits Section
   Radioactive Materials Division
   Mail Code: 233
   12100 Park 35 Circle Building: F
   Austin Texas 78753

[1] https://texreg.sos.state.tx.us/public/readtac$ext.ViewTAC?tac_view=3&ti=30&pt=1

Submit one original application and two copies of the application. For all applications, provide a flash drive with a copy of the cover letter and application text in portable document format (pdf). If available, include diagrams, pictures, figures, and maps, etc. in pdf with high enough resolution to discern the details of the image.

Telephone inquiries:

(512) 239-6466 - Technical - Underground Injection Control Permits Section
(512) 239-0600 - Legal - Environmental Law Division
(512) 239-0300 - Fees - Financial Administration Division
(512) 239-6833 - Registration - Registration and Reporting Section
(512) 239-6239 - Financial Assurance - Financial Assurance Unit

The application consists of 12 Sections with a Table of Contents: Section I - General Information, Section II – Information Required to Provide Notice, Section III - Financial Assurance and Liability, Sections IV thru XII - Technical Report which addresses geology, hydrology, well construction, mine plan, area of review, excursion prevention, restoration, aquifer exemption, and permit range tables. The technical report must be prepared either by a licensed professional engineer, a licensed professional geoscientist, or a qualified person who is competent and experienced in the field to which the application relates and thoroughly familiar with the operation or project for which the application is being made. [30 TAC §305.45(a)(8)]

Information submitted should be organized and labeled consistent with the organization of this form. For example, the discussion of regional geology should be labeled as Section IV.A. The application should include a table of contents and be organized in three-ring binders not to exceed three inches in thickness. All pages should be numbered and placed in the binders. Once the application is submitted, any revised text, tables, figures, or maps should be clearly marked as revisions and dated. Any new pages, tables, figures, maps or well logs should be clearly marked as additions and numbered or labeled appropriately for insertion into the application. Application revisions and additions must be accompanied by a signature page.

For a new application or renewal application [30 TAC §305.65], submit:

a. an original complete application, plus two (2) full paper copies;
b. a flash drive with a copy of the application in pdf; and
c. payment of permit application fees transmitted directly to the TCEQ Financial Administration Division with a photostatic copy of the payment documentation included in the original application.

For a major amendment application [30 TAC §305.62(c)(1)], submit:

a. an original application, plus two (2) paper copies;
b. the application must include Section I, the Signature Page, and Section II plus any other portion of the application that changes as a result of the major amendment;
c. a flash drive with a copy of the application in pdf; and
d. payment of permit application fees transmitted directly to the TCEQ Financial Administration Division with a photostatic copy of the payment documentation included in the original application.

For a minor amendment application [30 TAC §305.62(c)(2)], submit:

a. an original application, plus two (2) paper copies;
b. the application must include Section I.A through K, the Signature Page, and Section II plus any other portion of the application that changes as a result of the minor amendment;
c. a flash drive with a copy of the application in pdf; and
d. payment of permit application fees transmitted directly to the TCEQ Financial Administration Division with a photostatic copy of the payment documentation included in the original application.

For a minor modification application [30 TAC §305.72], submit:

a. an original application, plus two (2) paper copies;
b. the application must include Section I.A through J and the Signature Page plus any other portion of the application that changes as a result of the minor modification;
c. a flash drive with a copy of the application in pdf; and
d. payment of permit application fees transmitted directly to the TCEQ Financial Administration Division with a photostatic copy of the payment documentation included in the original application.

For a transfer application [30 TAC §305.64], submit:

a. an original application, plus two (2) paper copies submitted at least 30 days before the proposed transfer date;
b. the application must include Section I.A through J, Section I.N, the Signature Page, Section II and Section III;
c. the date of the proposed transfer;
d. if the permittee is filing the application, the transferee name, address, contact name, and phone number;
e. if the transferee is filing the application, a sworn statement that the application is made with the full knowledge and consent of the permittee;
f. a flash drive with a copy of the application in pdf; and
g. payment of permit application fees transmitted directly to the TCEQ Financial Administration Division with a photostatic copy of the payment documentation included in the original application.

For an endorsement application [30 TAC § 50.145], submit:

a. an original application, plus two (2) paper copies;
b. the application must include Section I.A through J and the Signature Page plus any other portion of the application that changes as a result of the endorsement;
c. if endorsement is changing the permittee name, submit verification from the Secretary of State that a name change alone has occurred;
d. a flash drive with a copy of the application in pdf; and
e. payment of permit application fees transmitted directly to the TCEQ Financial Administration Division with a photostatic copy of the payment documentation included in the original application.

4. Signatures on Application: Refer to 30 TAC §305.44, "Signatories to Applications." The application must be signed by the applicant and be verified before a notary public. An application submitted for a corporation must be signed by a responsible corporate officer of at least the level of vice president. A responsible corporate officer may assign or delegate authority to sign the application to a manager meeting the criteria in 30 TAC §305.44(a)(1). Signing authority may be delegated to a manager position rather than to a specific individual. For a partnership or sole proprietorship, the application must be signed by a general partner or the proprietor, respectively. For a municipal, state, federal, or other public facility, the application must be signed by either a principal executive officer or ranking elected official.

5. An application will not be processed until all information required to properly consider the application has been obtained. When an application is severely lacking in detail and/or the applicant fails to submit additionally requested information in a timely manner, the application will not be considered to be "filed in accordance with the rules and regulations of the Commission" and may be returned [30 TAC §281.18]. When an application is returned, one copy will be retained to comply with state records laws [Texas Government Code, Chapter 441, Subchapter L].

6. Fees and Costs:

Fees and Costs

Type of Application	Application Fee	Rule Citation 30 TAC	Notice Fee 30 TAC §305.53(b)
New Class III Area Permit	$100	§305.53(a)(1)	$50
Amendment to Class III Area Permit	$100	§305.53(a)(1)	$50
Renewal of Class III Area Permit	$100	§305.53(a)(1)	$65
Transfer[1] of Class III Area Permit	$100	§305.64(b)(4)	$50
Minor Modification	$100	§305.53(a)	None [§305.72(b)]
Endorsement[2]	$100	§305.53(a)	None [§50.145(a)]

[1] Change of ownership or operational control of a permitted facility

[2] For changing the permittee's name, address, or correction of errors subject to TAC §50.145

The applicant for an Area Permit is required to bear the cost of publication of notice of the application in a newspaper. [30 TAC §39.651(c)(2) & (d)(1)]

Payment of fees and costs should be made at the time the application is submitted [30 TAC §281.5(2)]. Payment may be made online through TCEQ ePay[2] or may be sent to:

Financial Administration Division
Texas Commission on Environmental Quality
Mail Code 214
P O Box 13088
Austin Texas 78711-3088

Send with the payment a copy of page 1 of the application form; write "New Area Permit" on the page if this is an initial application.

7. Designation of Material as Confidential:

The designation of material as confidential is frequently carried to excess. The Commission has a responsibility to provide a copy of each application to other review agencies and to interested persons upon request and to safeguard confidential material from becoming public knowledge. Thus, the Commission requests that the applicant (1) be prudent in the designation of material as confidential and (2) submit this material only when it might be essential to the staff in their development of a recommendation.

The Commission suggests that the applicant **not** submit confidential information as part of the permit application. However, if this cannot be avoided, the confidential information should be described in non-confidential terms throughout the application, submitted as a document or binder with each page conspicuously marked "**Confidential.**"

Reasons of confidentiality include the concept of trade secrecy and other related legal concepts that give a business the right to preserve confidentiality of business information to obtain or retain advantages from its right in the information. This includes exemptions from disclosure under 5 United States Code (USC) 552(b)(4)(relating to Public Information) and special rules cited in Title 40 Code of Federal Regulations (CFR) §2.305 (relating to Special rules governing certain information obtained under the Solid Waste Disposal Act, as amended.) Trade secrets and confidential information are also exempt from disclosure as public records under state law in

[2] https://www3.tceq.texas.gov/epay/

certain circumstances under Texas Government Code §552.110 (relating to Confidentiality of Trade Secrets) and 30 TAC §1.5 (relating to Records of the Agency).

Information that deals with the existence, absence or levels of contaminants in drinking water will not be considered confidential. [30 TAC §1.5(d)(5)]

If confidential information is not submitted, and this causes the application to be incomplete, the permit will not be issued, amended, or modified.

8. All engineering and geoscience plans, specifications, calculations, analyses, reports and other related engineering and geoscience documents must be prepared, sealed, signed, and dated by a Texas professional engineer (P.E.) or a Texas professional geoscientist (P.G.), as appropriate. Additionally, all engineering and geoscience documents released, issued, or submitted by a licensee, including preliminary documents, shall clearly indicate the firm name and registration number of the engineering or geoscience firm by which the engineer or geoscientist is employed. Please refer to the Texas Engineering Practice Act (Occupations Code Chapter 1001), the Rules Concerning the Practice of Engineering and Professional Engineering Licensure (22 TAC Part 6 Chapters 133, 135, and 137), the Geoscience Practice Act (Occupations Code Chapter 1002), and the Rules For Geoscientist Licensure And The Practice Of Geoscience (22 TAC Part 39 Chapters 850 and 851). [30 TAC §305.45(a)(8) and §331.21]

   P.E. and P.G. Board rules (22 TAC §137.33 and 22 TAC §851.156) require that, unless contained in a bound document, all engineering and geoscience pages be sealed, signed, dated, and indicate the firm name and registration number. For pages contained in a bound document, only the original title sheet needs to be sealed. If a single seal is used on a bound document, there must be a note near the seal clearly stating which pages of the document the seal covers. All engineering and geoscience plans and drawings must be individually sealed, signed and dated. If there are subsequent revisions to pages covered by the engineering or geoscience seal, each revised page must be individually sealed. An engineer or geoscientist may not seal a document in a field outside their area of expertise. If more than one P.E. or P.G.'s work is contained in a document, each engineer's or geoscientist's seal is required on the document, and the limits of their work must be clearly indicated. See the following websites for the Texas Board of Professional Engineers and Land Surveyors[3] and the Texas Board of Professional Geoscientists[4] website for additional information.

9. Information taken from sources such as publications and public documents should be checked for accuracy and completeness and be properly referenced.

10. The applicant may wish to consider copyrighting the application.

11. UIC program information is available on the Underground Injection Control Permits Page[5] on the TCEQ website.

[3] https://www.pels.texas.gov/
[4] https://www.tbpg.state.tx.us/
[5] https://www.tceq.texas.gov/permitting/radmat/uic_permits

Procedural Information for New, Renewal and Major Amendment Applications

1. Upon receipt of the application for an injection well area permit, the Underground Injection Control (UIC) Permits Section staff date stamps the application, makes sure that the application fees have been submitted, checks TCEQ records for delinquent fees and/or penalties owed by the applicant, and reviews the application for administrative completeness. The applicant may be contacted by way of an administrative deficiency letter for clarification or additional information at any time during the administrative review.

2. Within 30 days of the date that the application is determined to be administratively complete, the Chief Clerk mails Notice of Receipt of Application and Intent to Obtain Permit to the applicant, to potentially affected persons, and to others. The applicant is responsible for newspaper publication of notice of the application in accordance with 30 TAC §39.418(b)(1) and §39.651(c). The applicant must also place a copy of the administratively complete application in a public place in accordance with 30 TAC §39.405(g). The Chief Clerk provides instructions for newspaper publication of the notice and for placing the application in a public place along with the mailed notice.

3. The UIC Permits staff begins a technical review as soon as the application is administratively complete. As part of the technical review, staff evaluates the applicant's compliance history for the previous 5 years including the company and facility compliance classification and rating. The applicant may be contacted for clarification or additional information at any time during the technical review. No more than two notice of deficiency letters will be issued.

4. Once the technical review is completed, the Executive Director makes a preliminary decision to issue a permit or recommend denial of the permit. The preliminary decision and draft permit are filed with the Chief Clerk. The Chief Clerk mails the preliminary decision concurrently with the Notice of Application and Preliminary Decision. The applicant is responsible for newspaper publication of the Notice of Application and Preliminary Decision in accordance with §39.419(b) and §39.651(d). The Chief Clerk provides instructions for newspaper publication of the notice along with the mailed notice.

5. Public comments must be filed with the Chief Clerk within the time period specified in the notice. The public comment period ends 30 days after the last publication of the Notice of Application and Preliminary Decision, except as provided in 30 TAC §55.152. If comments are received, the Executive Director prepares a response to comments and files the response to comments with the Chief Clerk within 60 days following the close of the comment period in accordance with 30 TAC §55.156. The Chief Clerk mails the Executive Director's decision, the Executive Director's response to public comments, instructions for requesting that the Commission reconsider the Executive Director's decision, and instructions for requesting a contested case hearing. See 30 TAC §39.420 and 30 TAC §55.156 for additional information on procedures for processing public comment.

6. The Executive Director may act on an uncontested application if public notice requirements have been satisfied and the application meets all relevant statutory and administrative criteria in accordance with 30 TAC §50.133. The Chief Clerk mails notice of the action and an explanation of the opportunity to file a motion to overturn the Executive Director's action on the application. A motion to overturn must be filed no later than 20 days after the signed permit is mailed to the applicant in accordance with 30 TAC §50.139.

Texas Commission on Environmental Quality

Application for Area Permit to Conduct In-Situ Uranium Mining

I. General Information

A. Type of Application (check all that apply):

☐ Initial
☒ Renewal
☒ 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:
____

☒ 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: Burke Hollow Project

Specification of existing or requested exempted aquifer:

Aquifer or Formation Name: Goliad

Depth feet above/below mean sea level: -32' msl to -429' msl

Area acres: 8,625.95 (Attach a map delineating any existing and requested exempted aquifer boundaries relative to lease boundaries, and existing and proposed permit area and production area boundaries with survey points and coordinate system.)

C. Groundwater Conservation District (GCD) Information

GCD Name : Bee Groundwater Conservation District

Address: PO Box 682

City, State and Zip: Beeville, TX 78104

E-mail: beegcd@yahoo.com

Telephone Number: 361-449-7017

Has the following information for an initial or expansion of Area Permit been provided to GCD in accordance with 30 TAC §331.223?

1. Information regarding wells not recorded in the public record including but not limited to depth, completion method, completion interval, water quality information, lift method, and geophysical log in accordance with 30 TAC §331.223(a)(1).

   ☒ Yes ☐ No

2. A map with locations of all wells that are recorded in the public record and are inside the proposed permit area within one-quarter mile of the proposed permit area in accordance with 30 TAC §331.223(a)(2).

   ☒Yes ☐ No

3. Pre-mining water quality information collected from wells registered in accordance with 30 TAC §331.223(a)(3).

   ☒ Yes ☐ No

4. Amount of water produced each month from each registered well in accordance with 30 TAC §331.223(a)(4).

   ☒ Yes ☐ No

5. Record of strata in accordance with 30 TAC §331.223(a)(5).

   ☒ Yes ☐ No

D. Operator/Applicant (Individual, Corporation or Other Legal Entity Name)

Name: Uranium Energy Corp

Address (Permanent Mailing Address): 500 N. Shoreline Blvd. Ste 800N

City, State and Zip: Corpus Christi, TX 78401

Telephone Number: 361-888-8235

Mine Name: Burke Hollow Project

County: Bee

Mine Mailing Address (if available): NA

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

Charter Filing Number 800436242

If the application is submitted by a business organization that is required to designate and maintain a registered agent, the applicant must provide the name and address of the registered agent. Agent: Incorp Services, Inc

Address (Permanent Mailing Address): 815 Brazos St. Ste. 500

City, State and Zip: Austin, TX 78701

Telephone Number: 1-800-246-2677

E. Indicate the ownership status of the facility:

Private:

☒ Corporation
☐ Partnership
☐ Proprietorship
☐ Nonprofit organization

Public:

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

Other (specify):____

F. List those persons or firms authorized to act for the applicant during the processing of the permit application. 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, phone numbers and e-mail addresses.

Authorized Person – All Correspondence
R. Craig Wall – V.P. EH&S-Texas, Uranium Energy Corp
500 N. Shoreline Blvd. Ste. 800N
Corpus Christi, TX 78401
Email: cwall@uraniumenergy.com
Phone: 361-888-8235
Fax: 361-888-5041

G. For new, renewal, and major amendment applications, specify the individual who will be responsible for causing notice to be published in the newspaper. Include the complete mailing address, telephone number, fax number and e-mail address.

Authorized Person – All Correspondence
R. Craig Wall – V.P. EH&S-Texas, Uranium Energy Corp
500 N. Shoreline Blvd. Ste. 800N
Corpus Christi, TX 78401
Email: cwall@uraniumenergy.com
Phone: 361-888-8235
Fax: 361-888-5041

H. For amendment, modification, transfer or endorsement applications, briefly describe all requested changes to the permit and to the application contents and the reasons for the changes.

1. **Amendment includes increasing the existing aquifer exemption from 5,384.5 acres to 8,625.95 acres and revising the interval from -32' BMSL to -405' BMSL to -32' BMSL to -429' BMSL.**

2. **Amend Area Permit UR03090, condition IV, first paragraph, last sentence to increase the production sand elevation from 405 feet below mean sea level to 429 feet below mean sea level.**

I. Applicant Compliance History

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 operator/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 the following.

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

J. TCEQ Core Data Form

The TCEQ requires that a Core Data Form[6] (Form 10400) be submitted with all new and renewal applications. Submit the form as Attachment "A". For all other applications, if a Regulated Entity Number (RN) and Customer Reference Number (CN) has been issued by the TCEQ and core data information has not changed, a Core Data Form is not required. For more information regarding the Core Data Form, call (512) 239-5175 or go to the Core Data Form Instructions[7] on the TCEQ website.

RN 107228371

CN 603228461

K. Public Interest Demonstration

Section 27.051 of the Texas Water Code (TWC) stipulates certain conditions that must exist for the Commission to grant an application and issue a permit. For all new applications, permit renewals, and major and minor amendments, submit as "Attachment B" information addressing the following considerations:

[6] https://www.tceq.texas.gov/downloads/permitting/central-registry-docs/10400-core-data-form.docx
[7] https://www.tceq.texas.gov/downloads/permitting/central-registry-docs/10400-core-data-form-instructions.pdf

1. That the use or installation of the injection well is in the public interest. [TWC §27.051(a)(1)]

2. That no existing rights, including, but not limited to, mineral rights, will be impaired. [TWC §27.051(a)(2)]

3. That, with proper safeguards, both ground and surface fresh water can be adequately protected from pollution. [TWC §27.051(a)(3)]

4. That the applicant has made a satisfactory showing of financial responsibility if required by Section 27.073 of this code. [TWC §27.051(a)(4)]

5. That the compliance history of the applicant and related entities is acceptable. [TWC §27.051(d)(1)]

6. That there is no practical, economic, and feasible alternative to an injection well reasonably available. [TWC §27.051(d)(2)]

L. For applications for new permits, renewals, 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 courthouse, city hall), including the address, where the application will be located. [30 TAC §39.405(g)].

Bee County Courthouse
105 W. Corpus Christi Street
Beeville, Texas 78102

M. Facility Background Information [30 TAC §305.45(a)(7)]

Indicate (by listing the permit number(s) and governing agency(ies) in the columns below) all existing, pending, interim status, or permit-by-rule State and/or Federal permits, licenses or construction approvals which pertain to pollution control or industrial solid waste management, radioactive materials, or other activities conducted by your plant or at your location, or existing at a proposed plant or location. Complete each blank by entering the **permit number**, the **date of application**, or **none**.

Existing Permits

Relevant Program and/or Law	Permit Number or License	Government Agency*
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act	None	None
UIC Program under the Texas Injection Well Act (Class I, II, III, IV, V and VI Wells)	UR03090, UR03090PAA1, WDW447, WDW448	TCEQ
Texas Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under the Texas Water Code, Chapter 26	None	None
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA)	None	None
Nonattainment Program under the FCAA	None	None

Relevant Program and/or Law	Permit Number or License	Government Agency*
National Emission Standards for Hazardous Air Pollutants preconstruction approval under the FCAA	None	None
Ocean dumping permits under the Marine Protection Research and Sanctuaries Act	None	None
Dredge or fill permits under the Federal Clean Water Act	None	None
Licenses under the Texas Radiation Control Act	None	None
Subsurface Area Drip Dispersal System permits under Texas Water Code, Chapter 32	None	None
Texas Solid Waste Disposal Act	None	None
Texas Uranium Surface Mining and Reclamation Act	150	RRC
Texas Surface Coal Mining and Reclamation Act	None	None
Other relevant environmental permits/licenses	None	None

*Use the following acronyms for each agency as shown below:

TCEQ - Texas Commission on Environmental Quality
RRC - Railroad Commission of Texas
DSHS - Texas Department of State Health Services
TDA - Texas Department of Agriculture
EPA - U.S. Environmental Protection Agency
CORPS - U.S. Army Corps of Engineers

N. Location

1. Give a description of the location of the facility site with respect to known or easily identifiable landmarks. Detail the access routes from the nearest U.S. or State Highway to the facility.

   The mine entrance to the Burke Hollow Project is located approximately 38 miles north of Corpus Christi or 3 miles south of Woodsboro on Hwy 77. The actual plant and wellfields are located an additional 12 miles west of the Hwy 77 entrance via caliche road.

2. Is the facility located on Indian lands?

   ☐ Yes ☒ No

   If yes, do not complete this application. Contact EPA Region 6 for application and permitting requirements for injection wells located on Indian lands. [40 CFR §147.2205(a)]

3. Is the facility located within the Coastal Management Program boundary? Refer to Texas Coastal Management Boundary Map[8] for boundary.

   ☐ Yes ☒ No

   For questions regarding the Coastal Management Program, please call (800) 998-4456 (within Texas) or (512) 475-0773. [30 TAC §281.41]

4. Legal Description of Facility

   Submit as "Attachment C" a legal description(s) of the tract or tracts of land upon which the in-situ uranium mining operations referred to in this permit application occur or will occur. Although a legal description is required, a metes and bounds description is not necessary for urban sites with appropriate "lot" description(s).

5. Submit as "Attachment D" a drawn-to-scale topographic map of the facility and the tract or tracts of land upon which the mining operations occur or will occur as described in Attachment C and the area extending at least one mile beyond the tract boundaries. The map must be prepared by a licensed professional engineer or a registered surveyor. The scale should be adequate to depict the following features: [30 TAC §305.45(a)(6)(A), (C) & (E)]

   a. the boundary of the tract or tracts of land upon which the in-situ mining operations occur or will occur as described in Attachment C; areal size of the tract or tracts of land in acres should be given;

   b. if different, the approximate lease boundaries of the facility and within these boundaries, the location of all injection wells; each depicted area should be labeled to identify the well(s) and the well status (active, inactive, or proposed); areal size in acres should be given;

   c. the proposed Area Permit and/or PAA boundaries, with acreage indicated. (The Area Permit boundary may be defined by the operator to coincide with or be within the lease ownership boundaries.);

   d. the location of the proposed production and disposal facilities; and

   e. all wells (water, oil, gas, disposal, etc.), springs, other surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant in the Area of Review, within one-quarter mile past the proposed Area Permit boundary, and the purpose for which each water well is used (e.g., domestic, livestock, agricultural, industrial, etc.).

O. Plain-Language Summary

The TCEQ implemented new rule requirements in 30 TAC Chapter 39 that impact all permit applications subject to the Chapter 39 public notice requirements that are declared administratively complete after May 1, 2022. One of the new rules, 30 TAC §39.405(k), requires the applicant to provide a plain-language summary in English, and in an alternative language if required in accordance with 30 TAC §39.426. The plain-language summaries for all applications will be posted on the TCEQ website.

For new, renewal and major amendment permit applications submit, as "Attachment E", a Plain-Language Summary of the application that is no more than two pages long. The summary should be entitled "Plain-Language Summary" and should be prepared in simple,

[8] https://www.glo.texas.gov/coast/coastal-management/forms/files/CoastalBoundaryMap.pdf

concise, easy-to-understand terminology. The summary must include the following information. [30 TAC §39.405(k)]

1. the applicant/operator name;
2. the type of application;
3. the type of injectate;
4. the type of facility;
5. the facility name and location;
6. the function of the proposed plant or facility;
7. the expected output of the proposed plant or facility;
8. the expected pollutants that may be emitted or discharged by the proposed plant or facility which require an injection well permit; and
9. how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

If the applicant is required to provide notice in an alternative language in accordance with 30 TAC §39.426, provide a copy of the plain-language summary in English and in the alternative language.

In addition, provide a copy of the plain-language summaries in pdf clearly labeled on a flash drive.

P. Public Involvement Plan

TCEQ's Public Participation Plan provides guidance for using preliminary screening and public involvement plans to ensure meaningful public outreach. Applicants who are applying for a new injection well permit are required to complete a Public Involvement Plan. A Public Involvement Plan is intended to provide an applicant and the agency with information to determine if additional public outreach is necessary or beneficial. Applicants may complete a Public Involvement Plan, even if not required, to learn about the communities in which their facilities are located or where their activities may have an impact.

Submit a Public Involvement Plan, as "Attachment F", using the Public Involvement Plan Form[9] (TCEQ-20960) and Instructions for Completing a Public Involvement Plan Form for Permit and Registration Applications[10] (TCEQ-20960).

For more information regarding Title VI compliance at TCEQ[11] or the Public Participation Plan[12] go on the TCEQ website.

[9] https://www.tceq.texas.gov/downloads/agency/decisions/hearings/environmental-equity/pip-form-tceq-20960.pdf
[10] https://www.tceq.texas.gov/downloads/agency/decisions/hearings/environmental-equity/instructions-for-pip-form-tceq-20960.pdf
[11] https://www.tceq.texas.gov/agency/decisions/participation/title-vi-compliance
[12] https://www.tceq.texas.gov/downloads/agency/decisions/participation/public-participation-plan-gi-607.pdf

Signature Page

I (Signatory Name) R. Craig Wall (Title) V.P. EH&S - Texas
(Company) Uranium Energy Corp 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 R. Craig Wall Date 5/16/2025

See 30 TAC §305.44 for signatory authority.

To be Completed by the Applicant if Applicant Is a Corporation and the Responsible Corporate Officer Is Assigning or Delegating Signature Authority to a Manager in Accordance with 30 TA §305.44(a)(1)

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 Rodney Wall
on this 16th day, _____ month of May year of 2025
My commission expires on the 22nd day, month of November, year of 2026

TREZUR WAGNER
Notary Public, State of Texas
Notary ID# 13407734-5
My Commission Expires 11-22-2026

Trezur Wagner
Notary Public

Signature Page

I (Signatory Name) R. Craig Wall (Title) V.P. EH&S - Texas
(Company) Uranium Energy Corp 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 R. Craig Wall Date 7/15/2025

See 30 TAC §305.44 for signatory authority.

To be Completed by the Applicant if Applicant Is a Corporation and the Responsible Corporate Officer Is Assigning or Delegating Signature Authority to a Manager in Accordance with 30 TA §305.44(a)(1)

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 Rodney Wall
on this _____ day, 15th month of July year of 2025
My commission expires on the 22nd day, month of November, year of 2026

TREZUR WAGNER
Notary Public, State of Texas
Notary ID# 13407734-5
My Commission Expires 11-22-2026

Trezur Wagner
Notary Public

Signature Page

I (Signatory Name) R. Craig Wall (Title) V.P. EH&S - Texas
(Company) Uranium Energy Corp 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 R. Craig Wall Date 9/16/2025

See 30 TAC §305.44 for signatory authority.

To be Completed by the Applicant if Applicant Is a Corporation and the Responsible Corporate Officer Is Assigning or Delegating Signature Authority to a Manager in Accordance with 30 TA §305.44(a)(1)

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 R. Craig Wall
on this 16th day, _____ month of September year of 2025
My commission expires on the 28th day, month of September, year of 2025

HEATHER KEYLICH
Notary Public, State of Texas
Comm. Expires 09-28-2025
Notary ID 13336919-3

H Keylich
Notary Public

II. Information Required To Provide Notice

Submit as "Attachment F" a mailing list of landowners identified under Section II.A. and a mailing list of mineral owners identified under Section II.B. 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. 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 30 labels to a page (10 labels per column). Please provide **four complete sets of labels** of the landowners and mineral rights owners list.

A. Provide a complete mailing address for all persons who own the property on which the existing or proposed facility is or will be located, all persons who own tracts of land adjacent to the property on which the existing or proposed facility is or will be located and other nearby landowners who might consider themselves affected by the activities described in the application. Identify the tracts of land and landowners on a map and provide the general character of the areas adjacent to the facility, including public roads, towns and the nature of development of adjacent lands (e.g., residential, commercial, agricultural, recreational, industrial or undeveloped) on the map. The property boundary of the tract or tracts of land on which the existing or proposed facility is or will be located must be consistent with the legal description of the tract or tracts of land provided in Section I.N.5, Attachment C, of the application. (Refer to Figure 1, Example Application Map) [30 TAC §281.5(6), §305.45(a)(6)(B) & (D) and §39.651(c)(4)(A) & (B)]

B. Provide a complete mailing address for all persons who own mineral rights underlying the existing or proposed facility and underlying the tracts of land adjacent to the property on which the existing or proposed facility is or will be located as required by 30 TAC §39.651(c)(4)(C) & (D). Identify the mineral rights owners on the map provided above in Section II.A.

C. If the facility is located adjacent to navigable territorial waters of the state, or the State of Texas is an adjacent landowner and/or owner of mineral rights underlying the facility or underlying adjacent tracts, your application may affect lands dedicated to the permanent school fund. A determination whether lands dedicated to the permanent school fund will be affected by TCEQ formal action on the application will be made by the Texas General Land Office (TXGLO).

   In order for the TXGLO to make a determination, the TCEQ will provide notice to the TXGLO regarding the application. Provide the following information for inclusion in the notice to the TXGLO:

   1. state the location of the permanent school fund land, mineral rights, or waters of the state that may be affected; and

      Not Applicable.

   2. describe any foreseeable impact or effect of the proposed permitted action on permanent school fund land.

      Not Applicable.

A formal action or ruling by the Commission on an application affecting permanent school fund land that is made without the notice required by §39.651(c)(3) is voidable by the School Land Board as to any permanent school fund lands affected by the action or ruling. [TWC §5.115(c) and (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 facility 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 §39.651(c)(5)].

Mayor Michael Willow II
Beeville City Hall
400 N. Washington St.
Beeville, TX 78102

Texas Department of Health, Region 11
1701 North Frontage Road
Beeville, TX 78102

County Judge George Morrill III
105 W Corpus Christi Rm 305
Beeville, TX 78102

Texas Department of State Health Services
1770 W Corpus Christi St.
Beeville, TX 78102

E. Bilingual Notice Instructions. For new, renewal, and major amendment permit applications, public notice in an alternate language may be 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 §39.426]

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.

2. **If yes** to question 1, are students enrolled in a bilingual education program at either the elementary school or the middle school nearest to the facility?

   ☐ Yes ☐ No

   If yes to questions 1 and 2, alternative language publication is required; If **no** to question 2, then consider the next question.

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? _____

III. Financial Assurance

Submit as "Attachment G", a description of the manner in which compliance with the financial assurance requirements in 30 TAC Chapter 37, Subchapter Q and Subchapter T will be attained. [30 TAC §305.49(a)(3)]

A. Financial Assurance Requirements [30 TAC §§331.142-144]

1. Financial Assurance for Well Closure

   The financial assurance requirements of 30 TAC Chapter 37, Subchapter Q, require an owner or operator to submit an originally signed financial assurance mechanism for well closure to the TCEQ Financial Assurance Unit at least 60 days prior to commencement of drilling operations. All financial assurance mechanisms shall be in effect before commencement of drilling operations. For converted wells and other previously constructed wells, financial assurance shall be provided at least 30 days prior to permit issuance and be in effect upon permit issuance. [§37.7021(c)]

   The owner or operator must secure and maintain financial assurance for plugging and abandonment of each Class III injection well, production well, recovery well, baseline well and monitoring well in the amount of the closure cost estimate in current dollars developed in accordance with 30 TAC §§331.109 and 331.143 using the mechanisms listed in 30 TAC §37.7021(b). For new wells, the cost estimate is included in the Production Area Authorization applications. For converted wells and other previously constructed wells, the cost estimate is included in Section V.E.2 of the Area Permit application.

2. Financial Assurance for Groundwater Restoration

   The financial assurance requirements of 30 TAC Chapter 37, Subchapter T, require an owner or operator to submit an originally signed financial assurance mechanism for groundwater restoration at least 60 days prior to the initial receipt, production or possession of radioactive substances or injection operations in a production area. [30 TAC §37.9040]

   The owner or operator must secure and maintain financial assurance for groundwater restoration in the amount of the groundwater restoration cost estimate in current dollars developed in accordance with 30 TAC §§331.109 and 331.143 and included in the Production Area Authorization applications using the mechanisms listed in 30 TAC §37.9050, with the exceptions of sections (g) and (h).

IV. Geology and Hydrogeology

The Geology and Hydrogeology Report, including all associated geoscience specifications, details, calculations or estimates, maps, drawings, cross sections, other figures, opinions, recommendations, evaluations and other related geoscience documents, must be prepared, sealed, signed, and dated by a Texas professional geoscientist (P.G.). Additionally, all geoscience documents released, issued or submitted by a licensee, including preliminary documents, shall clearly indicate the firm name and registration number of the geoscience firm by which the geoscientist is employed. [30 TAC §305.45(a)(8), §331.21 and 22 TAC §851.156]

A. Regional geology and hydrology

Describe the regional stratigraphic and structural geology, lithology, and hydrology pertinent to the proposed injection program. Information must be integrated into a coherent and complete summary, not merely listed. Regional geology should be rendered on a scale capable of accurately depicting the geology of the region (approximately a 20 to 50-mile radius). Maps and cross-sections from commercial mapping companies may be used, provided that they adequately characterize the geology (including faulting) of the region. Major aquifers, stratigraphic units, confining zones, injection zone and general lithology should be indicated on all cross-sections. Cross-sections should be constructed with well logs and to scale. The proposed Area Permit and/or PAA boundaries should be indicated on all maps and cross-sections. Maps and figures should be referenced in the description, where applicable.

1. Regional geology - Provide a written description of the general geology including regional stratigraphy, regional structural geology, regional seismic activity supported by maps and cross-sections showing geologic units, lithology, structural features and other pertinent information to the extent that this information is reasonably available. Include a regional stratigraphic column.

2. Regional hydrology - Provide a written description of the general hydrology including major aquifers, hydraulic gradients, major water quality indicators [i.e., Total Dissolved Solids (TDS), Uranium (U), Radium (Ra), Sulfate (SO4)] and other pertinent information to the extent that this information is reasonably available. Note any major pumpage centers. Include maps and cross sections indicating the position relative to the injection formation, and the direction of water movement in every underground source of drinking water (USDW), including the injection zone, which may be affected by the proposed injection. Show the vertical and lateral limits of aquifers with TDS less than 3,000 mg/liter and less than 10,000 mg/liter.

B. Permit Area Geology and Hydrology - Provide detailed cross-sections along dip and strike accurately identifying overlying aquifers and the geologic interval to be mined. The cross-sections shall also include the first underlying aquifer and any exempted aquifer or aquifer proposed for exemption. The geologic interval identified as the "production zone" will be the zone authorized for production by the proposed Area Permit and/or PAA. The lithologic columns shall be supported with electric logs. Show normal water levels for each aquifer.

C. Permit Area Location - On a county map, locate and identify the lease area boundary, Area Permit boundary, proposed or existing in-situ or surface mines within five miles, and major water supply wells (see Figure 2, Example Area Permit Map).

D. Permit Area Topography - Provide a USGS Map (1:24,000 scale), locating the proposed Area Permit and production area boundaries. Trace surface runoff from the plant and mine areas to regional surface waters. Show the area of review. The area of review is the project area plus a circumscribing area, a minimum of 1/4 mile, the width of which is the lateral distance from the perimeter of the project area, in which the pressures in the injection zone

may cause the migration of the injection and/or formation fluid into an Underground Sources of Drinking Water. Within the area of review, the map must show the number or name and the location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, mines, quarries, public water systems, water wells, and other pertinent surface features including residences and roads, to the extent that this information is reasonably available. Show any fault, if known or suspected.

E. Water Supply Wells

1. Wells in Area of Review

a. Provide a list of water supply wells within the area of review for the Area Permit. Indicate the type of completion, casing depth, bottom depth, use, average daily volume, distance from the Area Permit boundary, identity of the aquifer being pumped, water level elevation, and water quality data. Complete Table 1, Groundwater Quality Data Report for Water Supply Wells, for each water supply well to the extent that this information is reasonably available.

b. Provide a map locating and identifying these wells and indicate the hydraulic gradient in the major aquifers.

2. Major Regional Wells - Provide the same information indicated in E.1. above for major water supply wells, such as municipal wells.

F. Hydrologic Testing - Describe in detail the hydrologic testing procedures to be used. This description should include test preparation, test procedures, equipment, schedule, and procedures for analysis of the test results. For guidance, refer to Technical Guideline II – Hydrologic Testing[13].

1. determine the degree of hydrologic connection between aquifers;

2. determine and locate boundaries and recharge structures; and

3. verify hydrologic connection between the production zone and the production zone monitor wells.

V. Well Construction and Facility Operation

The Well Construction and Facility Operation Report and all associated engineering specifications, details, calculations or estimates, plans or drawings, opinions, recommendations, evaluations and other related engineering documents must be prepared, sealed, signed, and dated by a Texas professional engineer (P.E.). Additionally, all engineering documents released, issued or submitted by a licensee, including preliminary documents, shall clearly indicate the firm name and registration number of the engineering firm by which the engineer is employed. [30 TAC §305.45(a)(8) and 22 TAC §137.33]

A. Well Completion - Describe well completion for injection, production, recovery, baseline and monitoring wells. This description may include:

1. total depth criteria;

2. completion interval selection criteria;

[13] https://www.tceq.texas.gov/downloads/permitting/radioactive-materials/uic/technical-guideline-ii-hydrologic-testing.docx

3. type of completion: perforation, open hole, screen, etc.;

4. casing: size, type, grade, weight, setting depths;

5. tubing/packer (if applicable): size, type, name, model, setting depth of packer;

6. cement: class, volume (sufficient cement should be used to circulate to the surface) description and percent of all cement additives, slurry weight, and cement-water ratio;

7. cementing technique: pump and plug displacement through casing is recommended;

8. cementing equipment: pump and plug displacement through casing is recommended;

9. casing centralizers: location and spacing;

10. sketch of each type of well completion;

11. drift control procedure;

12. installation control (completion certification, etc.); and

13. development procedure (jetting, acid, etc.).

B. Mechanical Integrity Testing - Describe in detail the mechanical integrity testing procedures to be used. This description should include test preparation, test procedures, equipment, time schedule, and procedures for analysis of results. These tests shall be conducted to demonstrate:

1. that there are no significant leaks in the casing; and

2. that there is no significant movement of fluids through fluid channels adjacent to the injection well bore.

These tests shall be conducted in accordance with the rules on mechanical integrity testing. [30 TAC §331.43]

C. Well Logs - Submit the following logs and information.

1. Resistivity, spontaneous potential, and gamma-ray logs

   a. casing depth shown
   b. screened interval marked
   c. centralizers located
   d. aquifers and aquicludes clearly identified

2. Completion log for each well (attached to the above well logs).

D. Production Facilities and Procedures - Provide the following information for facilities that will serve the mining activity of the area described in this permit application:

1. Written description of production procedures and supporting facilities;

2. Material balance flow diagram identifying all wastes and their disposition, source, and volume;

3. Schedule for completion or installation of facilities;

4. Typical composition of injected leach fluids, and any other fluids to be injected (tracers, etc.);

5. Detailed construction design of all ponds to include leakage detection, repair procedures and freeboard limits; describe how access to these ponds by stock, wildlife, or unauthorized persons will be controlled;

6. Runoff and spill control description supported with plan and cross-sectional drawings and details;

7. Schedule of preventive maintenance inspection for ponds, pipelines, dikes, trenches, storage areas, etc; and

8. 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. Refer to Technical Guideline III - Fluid Handling[14].

9. Proposed operating data to include:

   a. average and maximum daily rate and volume of fluid to be injected;

   b. average and maximum injection pressure;

   c. source of the injection fluids; and

   d. analysis, as needed, of the chemical, physical, and radiological characteristics of the injection fluids.

10. Contingency plans to cope with all shut-ins or well failures to prevent the migration of contaminating fluids into fresh water.

E. Closure Plan

1. Provide a description of the procedures to be taken to plug all Class III injection wells, production wells, recovery wells, baseline wells and monitoring wells, including restoration of affected surface areas, removal or adequate cover of well components, removal of irretrievable pumps, etc. [30 TAC §331.122(4) and 30 TAC §331.46].

2. Provide a detailed cost-estimate, in current dollars, for closure of the converted wells and other previously constructed wells assuming the closure activities will be conducted by a third party with no operable equipment. Provide the methodologies and assumptions in deriving the cost estimate. [30 TAC §331.143]

VI. Initial Mine Plan

A. Provide an Initial Mine Plan (See Figure 3, Example Mine Plan) as a legible and reproducible plan view with the following:

1. the Area Permit and/or PAA boundary;

2. the buffer areas;

[14] https://www.tceq.texas.gov/downloads/permitting/radioactive-materials/uic/technical-guideline-iii-fluid-handling.docx

3. the individual initially proposed mine areas with acreage of the areas, production and disposal facilities, depth to the production zone and mean sea level of the production zone indicated.

B. Schedule

A schedule with estimated starting and completion dates of production and restoration in the mine areas identified above 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.

VII. Area Of Review

A. Tabulation of reasonably available data on all wells within the area of review which penetrate the proposed injection zone. The area of review is the project area plus a circumscribing area, a minimum of 1/4 mile, the width of which is the lateral distance from the perimeter of the project area, in which the pressures in the injection zone may cause the migration of the injection and/or formation fluid into an Underground Sources of Drinking Water. This data shall include a description of each well's type, construction, date drilled, location, depth, record of plugging and completion, and any additional information the executive director may require; and

B. Corrective action proposed to be taken under 30 TAC §331.44.

VIII. Excursion Prevention

Provide a detailed description of the procedures to be used to prevent excursions horizontally in the production zone and vertically into non-production zones. These procedures may involve a bleed system, frequent conductivity change evaluation, water level evaluation, production volume evaluation and production adjustment, as well as procedures for maintaining a balanced wellfield.

IX. Restoration

A. Provide a description of restoration procedures proposed.

B. Provide documentation of the effectiveness of the proposed restoration procedure or a description of how this documentation will be provided.

C. Provide a description of the proposed procedure to be used to document and report restoration progress.

D. 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.

X. Aquifer Exemption

Provide a complete delineation using maps and cross-sections of any aquifer or portion of an aquifer for which exempt status will be necessary, and any relevant data demonstrating compliance with aquifer exemption criteria at 30 TAC §331.13 and 30 TAC §305.49(a)(9).

XI. Permit Range Table

Provide Table 2, Permit Ranges, with high and low values for each aquifer restoration parameter

listed in 30 TAC §331.104(b). Table values must be established from analysis of independent and representative groundwater samples collected prior to mining from all baseline wells required under §331.104(c) that are in the area of review associated with the existing or proposed permit boundary as specified in §331.42(a)(4) and all available wells within the existing or proposed permit boundary, provided the well is completed within the production zone identified in the existing or proposed permit. [30 TAC §305.49(10)]

Provide laboratory analysis sheets for all groundwater sample results used to construct Table 2.

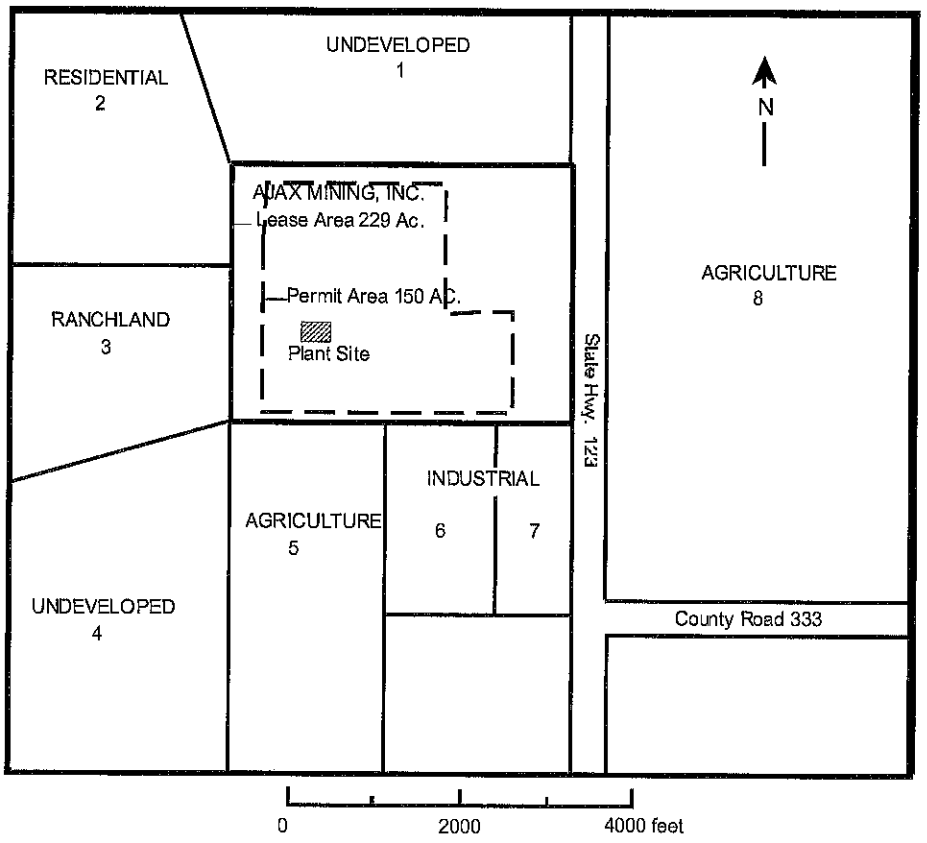
All analytical data submitted to the TCEQ must be generated by a lab that the Texas Laboratory Accreditation Program (TLAP) has accredited under the National Environmental Laboratory Accreditation Conference (NELAC) standard for matrices, methods, and parameters of analysis, unless: (1) the lab is an 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[15] accredited by the State of Texas under the National Environmental Laboratory Accreditation Program (NELAP) on the TCEQ website.

Quality Assurance and Quality Control (QA/QC) for all environmental sampling and laboratory analysis performed subject to permit requirements for in-situ uranium mining should be in accordance with TCEQ Quality Assurance Project Plan[16].

[15] https://www.tceq.texas.gov/downloads/compliance/labs/tx-nelap-lab-list.docx/
[16] https://www.tceq.texas.gov/permitting/waste_permits/ihw_permits/qapp.html

Figure 1: Example Application Map

Landowners and Mineral Owners



Landowners

1. Mr. & Mrs. Samuel L Davis
2. Mr. & Mrs. Edward Sanchez
3. Mr. & Mrs. Hubert Jason
4. Mr. & Mrs. Ted Goldsby
5. Mr. & Mrs. Frank Larson
6. Plainview Company
7. ABC Chemicals Inc.
8. Texlink Corporation

Mineral Rights Owners

1. Mr. & Mrs. Samuel L. Davis
   Mr. Fred Davis
   Mrs. R.C Davis
2. The Edward Sanchez Trust
3. Mr. & Mrs. Hubert Jason
4. Mr. Don Williams
   Mr. & Mrs. Richard Coons
   Mrs. Dorothy Moore
5. The Larson Family Trust
6. SBN Minerals, LLC
   Sorona Oil & Gas Company
   Klein Operations, LLC
7. Jack Walsh Family Trust
8. Cibolo Energy LP
   Terrace Flats Exploration Corp.

Figure 2: Example Area Permit Map

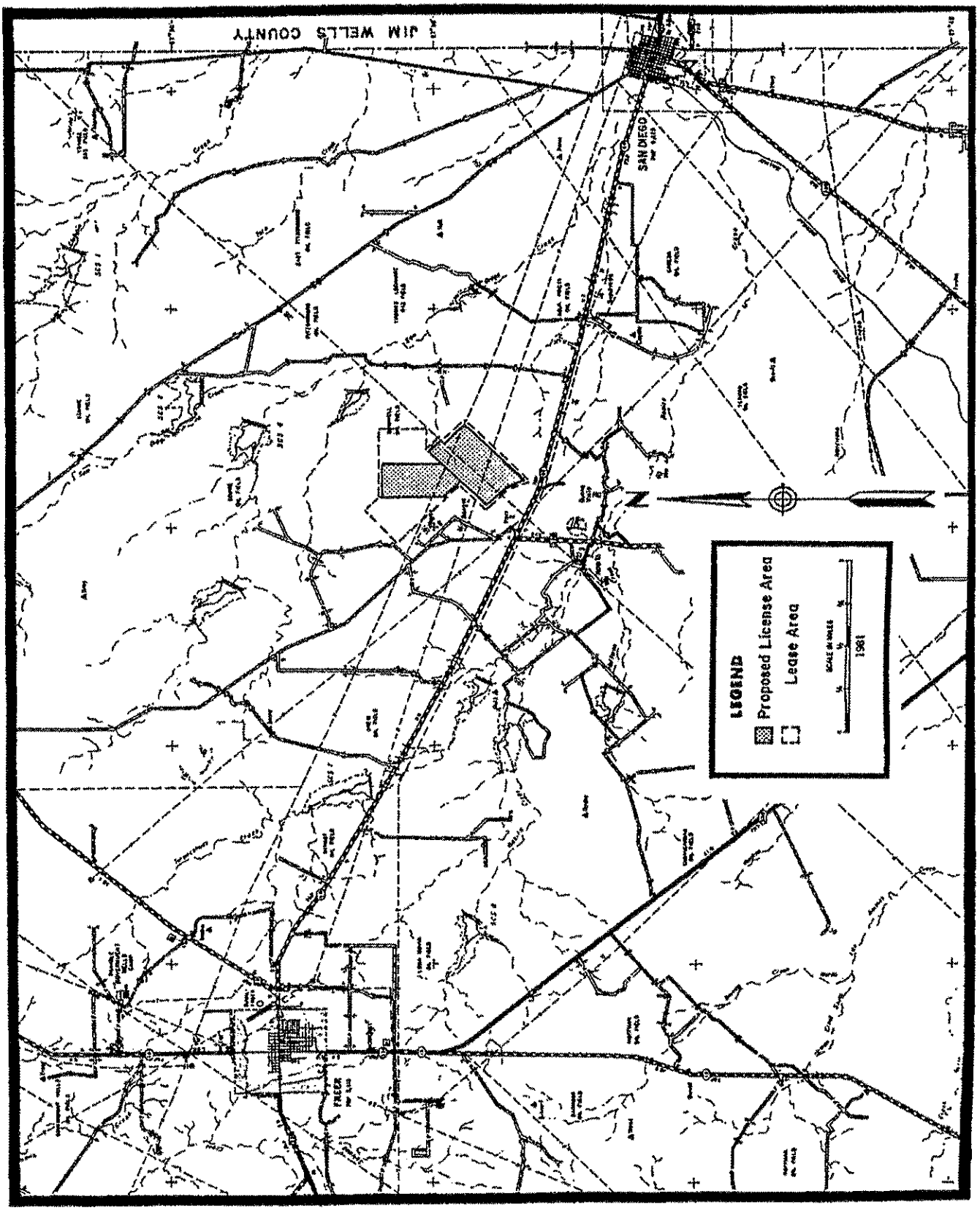


Figure 3: Example Mine Area Map

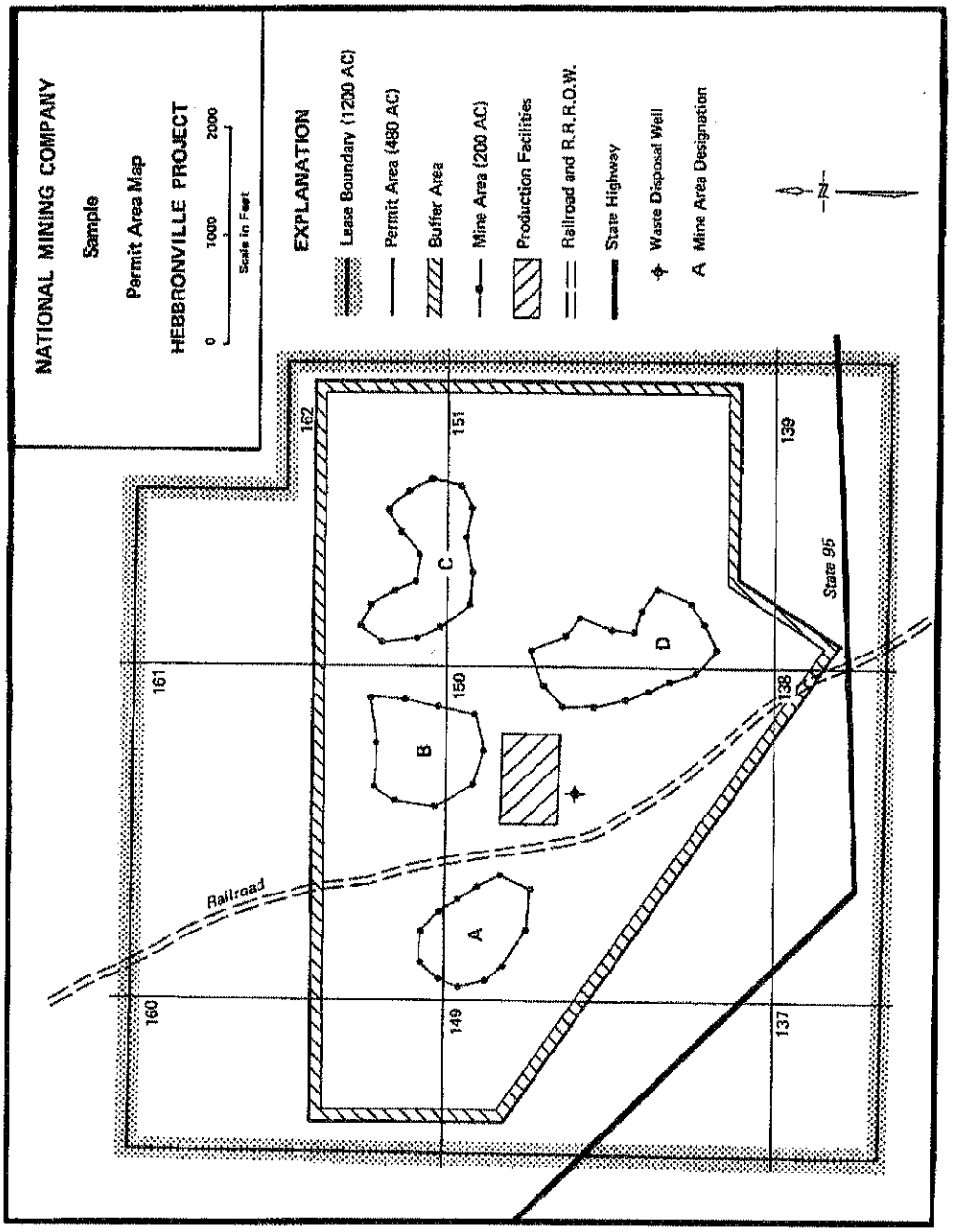


Table 1: Groundwater Quality Data Report for Water Supply Wells

Well Owner: _____
Well Number: _____
Well Location: _____
Date of Sample: _____
Date of Water Sample Analysis: _____
Name of Laboratory Performing Analysis: _____

Parameter	*Unit*	*Analyzed Value*
Calcium	mg/l	
Magnesium	mg/l	
Sodium	mg/l	
Potassium	mg/l	
Carbonate	mg/l	
Bicarbonate	mg/l	
Sulfate	mg/l	
Chloride	mg/l	
Nitrate-N	mg/l	
Fluoride	mg/l	
Silica	mg/l	
TDS	mg/l	
Conductivity	µmhos/cm	
Alkalinity	mg/l as $CaCO_3$	
pH	Std. Units	
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	
Ammonia-N	mg/l	
Radium^{226}	pCi/l	

Table 2: Permit Ranges

Restoration Parameter	*Unit*	*Low Value*	*High Value*
Calcium	mg/l		
Magnesium	mg/l		
Sodium	mg/l		
Potassium	mg/l		
Carbonate	mg/l		
Bicarbonate	mg/l		
Sulfate	mg/l		
Chloride	mg/l		
Nitrate-N	mg/l		
Fluoride	mg/l		
Silica	mg/l		
TDS	mg/l		
Conductivity	µmhos/cm		
Alkalinity	mg/l as $CaCO_3$		
pH	Std. Units		
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		
Ammonia-N	mg/l		
$Radium^{226}$	pCi/l		

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Attachment B – Public Interest Demonstration
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Attachment E – Plain Language Summary
Attachment F - Surface and Mineral Owner Map (revised 07/02/2025)
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Appendix G - Aquifer Exemption Plat and Survey Description
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Summary of Information Reviewed and Sealed by a Texas Professional Geologist

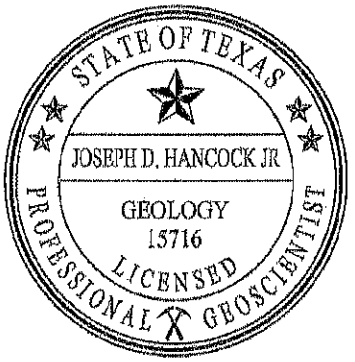
I, Joseph D Hancock Jr., PG, Manager Wellfield Geology
(applicant) (title)

certify under penalty of law that the following section of this document

- IV Geology Report

was reviewed and approved by me 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.

(Note: This Statement Must Bear Signature & Seal of a Texas Professional Geologist)



9/4/2025

Professional Geologist in and for the State of Texas

IV. GEOLOGY AND HYDROGEOLOGY

A. Regional Geology

The UEC Burke Hollow Project area is situated within the Texas Gulf Coastal Plain physiographic province that is geologically characterized by sedimentary deposits that typically dip and thicken toward the Gulf of Mexico from northwest source areas. Additionally, the regional dip generally increases with distance in the down dip direction as the overall thickness of sediments increase. The sedimentary units are dominantly continental clastic deposits with some underlying near shore and shallow marine facies. The uranium-bearing units are virtually all sands and sandstones in Tertiary formations ranging in age from Eocene (oldest) to Pliocene (youngest). An updated South Texas Uranium Province stratigraphic column is shown by Figure IV-1.

A.1 Regional Stratigraphy

These sedimentary units are primarily of fluvial origin and were deposited by southeasterly flowing streams and rivers. Figure IV-2 illustrates the South Texas Uranium Belt surface geology with respect to the Burke Hollow lease. The stratigraphic sequences consist of packages of permeable sandstone units separated by, and interbedded with, impermeable intervals of siltstone and mudstone. Figure IV-3, IV-4, and IV-5 identify the key units of the region in cross section, from oldest to youngest they are as follows:

- The late Eocene Whitsett Formation: The Whitsett, a minor uranium-producing unit, is part of the Jackson Group and consists primarily of coastal barrier-bar, channel-fill and lagoonal deposits of fine to medium-grained, tuffaceous, feldspathic sandstones. The Jackson Group grades southeasterly into a barrier-bar complex.

- The Oligocene Catahoula Formation: The Catahoula, a major uranium-producing unit, is separated from the underlying Whitsett by the Oligocene Frio Clay. The Catahoula consists of a series of highly tuffaceous, fluvial, channel-fill and crevasse splay sandstones accompanied by floodplain and lacustrine muds. These sedimentary constituent facies are thought to be derived from a volcanic source in Trans-Pecos Texas or northern Mexico. The Catahoula grades down-dip into a deltaic and barrier-bar complex.

- The Frio Clay is a light gray to green gray clay with local sand-filled channels which crops out in a relatively small area located southwest of Karnes County. At the Burke Hollow area, the equivalent facies would be lower Frio sands and shales of marginal marine origin lying at depths ranging from approximately 4500' to 5300'

A.2 Regional Structure

The project area is located in the Gulf Coast Basin, which is part of the larger Gulf of Mexico Basin. The Gulf of Mexico Basin (GOM) is a small semi-enclosed ocean basin surrounded by continental shelves and coastal plains. The GOM is a circular structural basin, 940 miles in diameter, and filled with 0 to 9.4 miles of sediments ranging from Triassic to Holocene in age (Figure IV-6).

Three major stratigraphic-structural margins surround the deep ocean basin that forms the center of the GOM: 1) northern and northwestern margin of terrigenous clastic sedimentation; 2) a western and southwestern structurally modified margin; and 3) an eastern and southeastern carbonate-evaporite margin (Figure IV-6). The eastern carbonate margin includes the Florida and Yucatan platforms and is characterized by low subsidence and limited clastic sediment input. The western structurally modified margin of the Gulf Coast in Mexico includes a relatively narrow clastic coastal plain and continental shelf that have been affected by Laramide (early Cenozoic) compressional deformation. The northern and northwestern clastic margin (northwest GOM) spans coastal Texas, coastal Louisiana, and adjacent offshore areas. The northwest GOM includes the major sand and sandstone aquifer systems of the Gulf Coast, of which, the Gulf Coast Aquifer is of primary importance for this report.

The northwest GOM includes two broad zones that parallel the basin margins: the interior zone and the coastal zone. The interior zone defines the updip margin of the basin and extends downdip to the relict Early Cretaceous shelf margin; it is dominated by Cretaceous carbonates and Paleogene terrigenous clastics (Figure IV-6, IV-7).

The coastal zone extends from the Early Cretaceous shelf margin to the base of the modern continental slope (Figure IV-6). Basinward of the stable Cretaceous carbonate platform, subsidence increases greatly, and Cenozoic clastic sequences become much thicker. In the onshore part of the coastal zone, Paleogene sediments are dominated by deltaic, shore-zone, and marine depositional systems below the base of fresh water. Overlying Neogene sediments are dominantly non-marine depositional systems. The Gulf Coast Aquifer of Texas is located within these onshore Neogene sediments (Figure IV-7) (Young, Knox, Baker, et al., 2010, p 7-9).

Significant structural features exist primarily in the form of growth faults, southeast plunging normal faults, as part of the Wilcox growth fault zone. These growth faults are characterized by sand rich deposits predominantly on the down thrown fault blocks. Figure IV-8 illustrates regional structural elements of the Texas coastal plain.

A.3 Regional Seismology

Upon evaluation of The USGS Earthquake Hazards program seismicity map from 1973 to present, seven earthquakes occurred locally in relation to the site. Six had magnitudes between 3.5 and 4.5 and one had a magnitude between 4.5 and 5.5. See Figure IV-9 Regional Seismic Map for more detail.

The rate of lateral movement through the aquifer varies widely with changes in hydraulic gradient, temperature, and different properties of the aquifer, but in the Gulf Coast region the rate is probably a few hundred feet a year. (Wood, Gabrysh, and Marvin, 1963; p 36)

Water-level maps for the Chicot, and Evangeline aquifers show that regional groundwater flow is directed southeast towards the Gulf of Mexico (Figures IV-11, IV-12).

Variations to this general groundwater flow direction can be attributed to groundwater pumpage and the associated cones of depression and subsidence from high water demand locations such as Harris and Kleburg Counties (Figures IV-11, IV-12).

B.2 Regional Water Quality

For the purpose of discussing regional water quality the following parameter distributions are displayed in figure formats for the Chicot, Evangeline, and Jasper Aquifers: total dissolved solids (TDS) as a function of salinity, sulfate, sodium, and chloride. All parameters listed displayed decreasing sulfate and increasing TDS from North to South along the curvature of the Gulf Coast Aquifer. These trends are consistent with expectations of decreasing water quality and increasing reducing conditions toward Bee County.

Below is a list of figures displaying regional distributions of specific parameters within the divided aquifers of the larger Gulf Coast Aquifer system.

Figure IV-13, and IV-14 identify TDS concentrations in the Chicot, and Evangeline Aquifers, respectively.

Figure IV-15, IV-16, and IV-17 identify Sulfate, Chloride and Sodium concentrations in the Evangeline Aquifer, respectively.

C. Permit Area Geology and Hydrogeology

Within the permit area a thin veneer of Pleistocene-aged Lissie Formation is present at the surface (Figure IV-2). The Lissie Formation, consisting of unconsolidated deposits of sand, silt, and clay, with minor amounts of gravel, has a project area thickness ranging from approximately 35 feet on the western project edge to a maximum of 70 feet in thickness on the down-dip eastern edge of the project area. The Lissie Formation unconformably overlies the Miocene-aged Goliad Formation.

The Goliad Formation, comprised of sands and sandstones interbedded with clays and shales, is encountered at depths ranging from 35 feet on the western side to approximately 1,100 feet in depth towards the eastern side of the property. UEC has determined that uranium mineralization discovered to date occurs

Subsequently, the well was plugged. Completion reports for each of the wells cased are provided in Appendix B.

Similar lithologies are observed in all five units of the Goliad Formation with very fine to fine grained, moderate to well sorted, light tan to light gray, sandy clays to clayey sands with varying amount of silt. As a result of locally reducing conditions, the blue and gray color schemes are considered secondary coloration. The lithologic similarities between the five units are because they were all formed by fluvial processes.

There are at least two northeast-southwest trending faults at the Burke Hollow property, likely related to the formation of the uranium mineralization, and are shown in Figure IV-18. These faults are shown at a depth of approximately 3,500 feet below ground surface (bgs) on petroleum industry maps and extend upward into the Goliad Formation. The northwesterly fault is a typical Gulf Coast normal fault, downthrown toward the coast, while the southeastern fault is an antithetic fault downthrown to the northwest, forming a graben structure. The faulting has probably served as a conduit for gases to reduce shallow groundwater, thus allowing for precipitation of transient, dissolved uranium species.

Figure IV-18 (A-A' cross section) is provided to serve as a regional section of the project and includes trends inside the graben structure and along the northeastern side of the project. In this figure, groundwater movement from the Lower A production sand to the Upper A overlying sand inside the graben may seem plausible by moving across and up the fault then back into the Upper A. However, this scenario only appears possible due to the interpretation of wide spaced borehole logs which are a minimum of 3,200' apart. Likewise, regional groundwater movement is to the southeast meaning groundwater fluid would have to move back across the fault and up dip before it could influence the Upper A overlying aquifer. Considering production in this area will be approximately ¼ mile from the fault and for reasons stated above, communication between the Lower A and Upper A sands is highly unlikely.

Cross sections Figure IV-22 (E-E'), Figure IV-23 (F-F'), Figure IV-24 (G-G') and Figure IV-25 (H-H') were created to provide more detail on the southern end of the Lower A production trend and the proposed expansion area. Figure IV-22 has borehole logs 150' apart or closer allowing for a more accurate interpretation of the geology and eastern fault of the graben. Based on the tighter spaced drilling logs, the confining layer between the Upper and Lower A inside the graben appears to be contiguous with the confining layer between the Lower A and Upper B sand across the fault. This would prevent any groundwater movement into the Upper A overlying zone via the fault. It is also important to keep in mind that no mining activity is intended to take place near the fault and there will be a minimum of a 500' buffer between the actual production zone and the fault once monitor wells are installed. No

Table IV-2 – Regional Baseline Monitor Well Water Level Data

RBW1-1	2444054.701	13292604.250	185-205	121.272	1.25	55.2
RBW1-2	2443532.088	13291496.607	360-380	116.070	1.16	60.96
RBW1-3	2443841.256	13292241.180	412-442	118.174	1.5	61.35
RBW1-4	2443901.485	13292254.785	232-262	117.608	1.67	53.77
RBW1-5	2443799.748	13292203.271	122-142	116.782	1.5	54.2
RBW 2-1A	2438168.8	13296714.5	450-460	151.0	NA	NA
RBW2-2	2438129.022	13296916.951	342-367	151.865	1.42	79.52
RBW2-3	2438100.919	13296841.440	212-237	153.189	1.54	72.69
RBW2-4A	2438173.134	13296945.541	292-302	152.109	1.75	74.85
RBW2-5	2438192.582	13296812.122	142-162	156.994	1.5	71.05
RBW3-1	2436049.920	13284084.625	387-417	98.468	0.92	62.32
RBW3-2	2436099.685	13284164.217	302-332	98.678	1.17	58.77
RBW3-3	2436028.383	13284025.617	232-262	96.155	1.29	57.19
RBW3-4	2436105.077	13284041.009	122-152	98.883	0.92	54.32
RBW4-1	2454240.016	13289284.190	422-442	103.099	0.75	48.35
RBW4-2	2454294.909	13289270.963	385-395	102.721	1.25	52.55
RBW4-3	2454174.125	13289301.012	212-227	102.862	1.08	48.28
RBW4-4	2454241.384	13289341.044	272-292	102.727	1.42	44.82
RBW4-5	2454307.374	13289340.846	167-187	101.138	1.08	42.53
RBW5-1	2452188.273	13279629.883	492-517	84.251	1	51.5
RBW5-2B	2452232.411	13279513.854	400-410	83.210	1.75	42.31
RBW5-3	2452227.007	13279579.660	202-222	87.596	1.13	41.05
RBW5-4	2452145.250	13279645.884	247-267	87.608	1.08	41.68
RBW5-5	2452244.022	13279627.165	127-142	87.619	1.38	42.77
BH 148-386	2443892.8	13294992.3	190-200	124.2	1.33	66.03
BH 149-356	2443994.1	13291991.4	190-200	120.0	2	57.19
BH 148.6-339.9	2443956.3	13290382.5	189-199	110	0.79	56.19
BH 163.5-385.5	2445444.6	13294941.5	199-214	124.2	1.08	55.67

Explanation – ft amsl – feet above mean sea level, as measured from top of casing.

D. Proposed Permit Area Location

The Burke Hollow project is located in eastern Bee County between Beeville, Refugio and Sinton. It is situated approximately 18 miles southeast of Beeville, 14 miles west of Refugio and approximately 16 miles north of Sinton. The plant and wellfield locations are situated approximately 12 miles west of Hwy 77 and are accessible via private caliche road. The existing mine area permit boundary is 11,359 acres and is situated on one private ranch. See Figure IV-32 for the permit area location.

E. Permit Area Topography and Drainage

A third party consultant was hired to perform a surface hydrology and drainage study in the graben area of the project that includes several planned production areas and is adjacent to the processing plant. Appendix C provides topography and drainage details as they relate to those specific production areas.

Figure IV-33 is a map of the entire proposed mine area and includes the major drainages, rivers and surface impoundments in and around the permit area. As you will see, there are three named drainages inside the proposed mine area boundary, two that drain southward into the Aransas River and one that drains eastward eventually merging with the Mission River. A fourth named drainage system lies west of the proposed permit boundary and also drains southward into the Aransas River.

The drainage systems inside the proposed mine area are ephemeral flowing water immediately after large rain events. The majority of surface water impoundments observed inside the proposed mine area are the result of manmade ponds supplied with groundwater via livestock wells. One larger impoundment on the southern edge of the proposed permit area appears to be manmade but is supplied by a minor drainage system.

The proposed processing facility is planned for a topographically high spot approximately 500 feet east of the graben. The topography at the specific plant location is generally flat but dips westward as you approach the Burke Hollow drainage. Runoff from the plant if not properly curbed would be westward toward the Burke Hollow drainage. Runoff from proposed production areas identified as the 180 and 370 Sand Front (Figure IV-33) would be southward, primarily into the Burke Hollow drainage.

F. Water Supply Wells

F.1 Wells in Area of Review

Table IV-4 provides a list of wells in the area of review as based on a polygon extending ¼ mile in a radial direction from the extent of the existing mine area boundary and proposed aquifer exemption expansion. Sources used

G.2 Testing Equipment

The pumping test will be performed using an electrical submersible pump. The pump will be set at a depth near the total depth of the pumping well. Flow from the pump will be controlled with a manual valve and surface flow measured with a flow meter/totalizer. Prior to the test, the volume of water to be pumped will be calculated and an appropriately sized holding facility will be determined. Water levels in each observation well will be measured and recorded with either a datalogger and associated pressure transducers, or integrated transducer/datalogger units, and periodically verified by hand with a water level meter to the nearest 0.01 foot. The automated equipment will be programmed to calibrate prior to the test, take an initial reference (head) reading prior to the start of the test, and measure and record water levels according to a pre- determined time schedule. Water levels in the pumping well will be monitored with electronic equipment and periodically checked with hand measurements by water level meter to the nearest 0.01 foot.

The pressure rating for the transducers will be suitable for each monitoring location. Pumping test data will be corrected for fluctuations in barometric pressure.

G.3 Test Procedures

Prior to the pumping period, the testing equipment will be installed and checked for proper operation. To assess potential background fluctuations in groundwater levels, baseline level information will be collected during a 48-hour period prior to pumping. Approximately 48 hours prior to pumping, all drilling, and to the extent possible, pumping activities will be discontinued to allow for assessment of static non-stressed potentiometric conditions within the production zone aquifer and the overlying and underlying aquifers

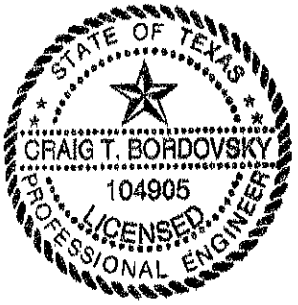
The pumping well will be started and maintained at a constant rate (e.g., 40 gpm) for an estimated period of 24 hours at a minimum. Preliminary estimates suggest a test of this rate and duration should result in drawdown on the order of 1 to 2 feet at the monitor well ring. Barring unexpected variations in hydrogeologic properties, a minimum drawdown of 1.0 to 2.0 feet will be considered as confirmative demonstration of hydraulic connection between the pumping well and the production zone aquifer monitoring wells. At the end of the pumping period, monitoring will continue during recovery. Monitoring during recovery will continue for 24 hours or until water levels have recovered to approximately 90 percent of pre-pumping levels. Measurement frequency will, at a minimum, be performed as follows:

CERTIFICATION OF TECHNICAL SECTION V

UEC UR03090

Section V of the renewal and amendment application details the Well Construction and Facility Operation, at the UEC Burke Hollow Facility in Bee County, Texas.

I, Craig T. Bordovsky, P.E., certify that this section of the application was prepared under my review and supervision and submit that the information included is, to the best of my knowledge and belief, true, accurate, and complete. I certify that this document and all attachments were prepared by qualified personnel and that the information contained herein was properly gathered and evaluated in accordance with industry and professional standards.



Craig T. Bordovsky, P.E.

Texas Professional Engineer License No. 104905

9/10/25

Date

Uranium Energy Corp / STMV

V. Well Construction and Facility Operation

A. Well Completion

The drilling and completion of monitor, injection, and recovery wells is accomplished in the following manner. A 5-1/8" pilot hole typically is drilled through the ore zone by a rotary drill using native mud and a commercial synthetic mud system for viscosity control. The pilot hole is logged, reamed, cased, and cemented.

The pilot hole is logged to determine grade, thickness and nature of the ore, and casing and well completion depths. Drift control is maintained by the use of drill collars and close supervision during drilling.

The pilot hole is prepared for casing by reaming the hole with a 7-7/8" to a 9-7/8" bit to the top of the ore bearing sand. The reamed diameter of the hole is dictated by the size of the casing to be installed. Holes will be cased with 4.5" up to 6" polyvinyl chloride (PVC) standard dimensional ratio (SDR)-17 Certa-Lok or Bell- End casing. Casing joints are 20' in length. Joints of Certa-Lok casing are connected by a watertight O-ring seal and a high strength nylon spline. Joints of Bell-End casing are bonded with PVC cement and secured with three self-tapping screws. Casing is run from total depth to approximately two feet above ground level.

Casing centralizers will be used to ensure the casing is centered in the drill hole. Centralizers will be placed every 1st and 3rd joint and every 60 ft thereafter along the casing. The casing will be cemented using a slurry containing three sacks of Class A-cement per barrel of water. The weight of the slurry is at least 11.0 lbs/gal, but possibly more. The cement slurry is pumped down the casing, through the end of the casing, and up the annulus of the well. The volume of cement used in each well is determined by calculating the volume required to fill the annulus and ensure cement returns to the surface. Cement within the casing is immediately displaced with a volume of water calculated to allow approximately 10 foot column of cement to remain immediately above the bottom of the casing within the well. The well casing is pressure sealed and the cement allowed to cure.

After curing, the cement is drilled out and the well is completed. The well is completed by underreaming the ore bearing zone. An underreaming tool is lowered into the well and the formation is cut with a bladed underreaming tool. After the well is underreamed, a screen assembly consisting of a top assembly, steel blank, screen and sock may be installed across the completion interval. The steel blank section of the completion report represents a short piece of steel pipe used to connect the screen to the top assembly. The steel blank serves a few purposes, it provides strength and structure for the screen assembly during the installation process, and it also serves as a strong deflection signature on the logs when logging the cased

B. Mechanical Integrity Testing

After an injection or recovery well has been completed, and before it is made operational, a Mechanical Integrity Test (MIT) of the well casing will be conducted in accordance with the rules on Mechanical Integrity Testing (30 TAC 331.43 and 331.82(c)).

Following construction of a well, mechanical integrity is demonstrated using a pressure test. To perform the test, the section of the casing adjacent to or below the confining layer above the injection zone is sealed with a plug, downhole packer, or other suitable device. The top of the casing is then sealed in a similar manner or with a threaded cap, and a pressure gauge is installed to monitor the pressure inside the casing. The pressure in the sealed casing is then increased to a minimum of 20 percent above the maximum anticipated operating pressure and the well is shut in and all fittings are checked for leaks. After the pressure is stabilized, pressure readings are taken and recorded at two-minute intervals for ten minutes. A well must maintain 90% of the original pressure for 10 minutes to pass the test.

Resistivity logging is a cost effective alternative to pressure testing. A conventional single point resistivity logging tool is run inside the casing. With a full fluid level in the well, the resistivity profile of the well from bottom to top is monitored and recorded. Any lack of casing integrity is evidenced by sensing finite conductivity between the wellbore fluid and the adjacent geologic strata. Resistivity logging is allowed (30 TAC 331.82(c)) in conjunction with a pressure test.

If a well casing does not meet the MIT, the casing will be repaired and the well retested. If a repaired well passes the MIT, it will be placed into service. Also, if the well defect occurs at depth, the well may be plugged back and re-completed for use in a shallower zone provided it passes a subsequent MIT. If an acceptable MIT cannot be obtained after repairs, the well will be plugged. Additionally, an MIT will be conducted on any well to be used for injection purposes after any well repair where a downhole drill bit or underreaming tool is used. Any injection well with evidence of suspected subsurface damage will require a new MIT prior to the well being returned to service.

Monitor wells will be drilled and constructed in the same manner as production and injection wells and all three types of wells must pass MIT. The MIT of a well will be documented by including the well designation, date of the test, test duration, beginning and ending pressures, and the signature of the individual responsible for conducting the test. Any alternate methods for demonstrating casing integrity must be approved

The wellfield patterns to be utilized at the Burke Hollow facility will be of several types depending upon the configuration of each specific ore body being mined. The basic configuration will be a conventional five-spot pattern that consists of a square with four injection wells at the corners and a centrally located recovery well. Other patterns such as the "line drive" configuration may be used to accommodate the ore body where necessary. The pattern configurations will vary depending on the formation and the characteristics of the ore body. Based on preliminary design by UEC, wells typically will be spaced from 50-75 feet apart. All wells will be constructed to serve as either injection or recovery wells. This approach allows flow directions to be changed to maximize uranium recovery and to optimize groundwater restoration. All wells will be completed as TCEQ UIC Class III injection wells.

Injection and recovery wells in a wellfield will be completed in the mineralized interval of only one production zone at any one time. Casing and completion techniques used for injection and recovery wells are designed to isolate the ore bearing interval. Production zone monitor wells will be located around each wellfield with the screened completion interval open to the production zone.

Production zone monitor wells will be located no greater than 400 feet from the production area with a maximum spacing of 400 feet between wells. The angle formed by lines drawn from any injection or recovery wells to the two nearest production zone monitor wells will not be greater than 75 degrees. Production zone monitor wells will be located at least 100 feet inside the permit boundary.

In addition to the production zone monitor wells, non-production zone monitor wells will be placed within the production zone pattern. At a minimum, non-production zone monitor wells will be completed in the first freshwater aquifer overlying the production zone. These non- production zone monitor wells will be located not more than 50 feet on either side of a line through the center of the production area with a minimum of one well per four acres of production area (for wells completed in the first overlying freshwater aquifer) and one per eight acres of production area (for wells completed in any additional overlying freshwater aquifers). Non-production zone monitor wells may be installed in the aquifer underlying the ore-bearing stratum, if necessary, and will be designed and installed to detect potential excursion of lixiviant, if such an excursion were to occur.

are not limited to, sodium sulfide/sulfite and hydrogen sulfide. These chemicals induce a reducing action that causes dissolved uranium and other heavy metals to stabilize within the ore body. When used, bulk inventories of these materials will be stored at the IX facility area in a dry, clean, isolated environment. It is important to prevent contact with any material that may react with the reductant chemicals. In the event that hydrogen sulfide is used, proper worker safety precautions will be taken.

A concrete pad with curbs is expected to be authorized for byproduct storage at the IX facility. This area will be used for temporary storage of material including used production pipe, resin fines, and expended filter media. The byproduct storage area will be inspected as required by the Radioactive Materials License by qualified personnel and inspection records will be retained on site for regulatory inspections.

D.1.5 Non-Process Related Chemicals

Non-process related chemicals to be stored and used at the facility may include gasoline, diesel, propane, and lubricants. Due to the flammable and/or combustible properties of these materials, all bulk quantities will be stored in appropriate containers outside of process areas at the IX facilities. All gasoline and diesel storage tanks will be located above ground and have secondary containment.

D.2 Material Balance Flow Diagram

A master process flow sheet that includes a mass balance table identifying all feed and waste streams is included for Burke Hollow in Appendix E.

D.3 Schedule for Completion or Installation of Facilities

To preface this explanation, it is important to note that the construction start date for the IX processing facility has not been determined but a construction complete milestone can be attained for both the IX processing facility and the first well field within nine months from construction commencement. With regard to the additional well fields, it is not possible to determine a firm construction schedule as it is based on the life cycle of the previous well field and uranium prices.

D.4 Leach Fluid Composition

The lixiviate will be composed of native groundwater, carbon dioxide, oxygen, hydrogen peroxide, sodium chlorate, sodium bicarbonate or any other chemical approved by the TCEQ. Carbon dioxide will be added in the IX facility, both upstream and downstream of the resin vessels. Oxidants are added to the barren (non-uranium containing) lixiviate at the well field piping manifolds prior to the injection manifold.

D.9 Proposed Operating Data

The average injection rate is expected to be 2,475 gpm with a maximum of approximately 3,712 gpm. The average production flow rate is expected to be 2,500 gpm with a maximum of approximately 3,750 gpm. Maximum injection pressures in the wellfield are expected to be 140-150 psi while the average will be approximately 115-125 psi.

D.10 Contingency Plan (Well Failure and/or Shut-ins)

The two primary situations that could potentially cause excursions from the well field to adjacent monitor wells are lack of disposal capacity as a result of a non-operational waste disposal well and when a production well trips off causing the wellfield to go out of balance.

In the case of the non-operational waste disposal well, zero bleed is taken from the well field unless the plant has sufficient space in their waste disposal well tanks to accommodate. In the event of a prolonged shut-in status, active well fields would be turned off.

With regard to production wells that trip off, related injectors as part of the specific production-injection well pattern are re-balanced within other nearby patterns. The reduced production flow in that pattern and the bleed would be lowered to whatever rate was maintained before the production well tripped off.

E. Closure Plan

Wellfield plugging and abandonment will be initiated within 120 days after the TCEQ concurs that the groundwater has been adequately restored and determined to be stable. All drill holes and production, injection, and monitor wells will be plugged and abandoned in accordance with specific TCEQ rules and regulations to prevent future adverse impacts to groundwater quality or quantity. TCEQ will be notified before UEC commences plugging and abandonment in accordance with permit requirements.

E.1 Well Plugging and Abandonment

All production, injection and monitor wells and drill holes will be abandoned in accordance with American Society for Testing and Materials (ASTM) Standard D5299 or other specific TCEQ rules and regulations to prevent adverse impacts to ground water quality or quantity.

Wells will be plugged and abandoned in accordance with the TCEQ approved plan which involves the following:

Prior to closure, the well shall be in a state of static equilibrium with the mud or nonhazardous fluid weight equalized top to bottom, either by circulating the mud or fluid in the well at least once or by a comparable method prescribed by the executive director.

Proposed production area authorizations are also provided in Figure IV-33 but the roll fronts have not been delineated well enough to accurately propose the final monitor well rings and calculate acreage for PAAs 2-4. Targeted roll fronts are provided and are the locations where production areas will be designated once delineation drilling is completed in the area.

At this time, the Lower Goliad B sands to the east of the graben has been approved for Production Area Authorization 1 (PAA-1) and will be the first PAA to go into production. The Graben-Trends as described on Figure IV-33 is now proposed for PAA-2 while the Lower A1 Sand south of the IX Plant location is proposed for PAA-3. Design standards for production area authorizations will be followed according to30 TAC 331 rules and will be provided in detail with each individual production area authorization application.

B. Schedule

A schedule containing the estimated starting and completion dates of production and restoration of the proposed mine areas are presented on Table VI-1.

VII. Area of Review

A. Mine Plan

An area of review investigation was conducted as required by 30 TAC 331.42(a)(4) to identify wells inside the proposed mine area boundary and within a ¼ mile radius from the perimeter of the proposed mine area boundary. A total of thirty eight (38) wells identified in the Texas Water Development Board (TWDB) Groundwater database, Driller's Report database and/or site investigations fall within the proposed mine area boundary or area of review. Twenty four (24) are Livestock/Hunting Wells, ten (10) are Rig Supply/Industrial Wells, three (3) are identified as domestic and one (1) hunting well is plugged. Data for each of the wells can be found in Table IV-4 and are identified on Attachment D-2.

B. Proposed Corrective Action

UEC is unaware of any existing contamination at the Burke Hollow site. As such, our focus is on proper management of mining solutions during the mining process, and stabilization of agreed upon parameters following restoration.

VIII. Excursion Prevention

Several techniques will be used to prevent horizontal and/or vertical migration of mining leach solution outside of the production area, i.e., excursions. Techniques to be utilized include the recovery of more lixiviant than is injected (0.5 to 1 percent bleed) monitoring of production and injection rates, wellhead pressure, and volumes, monitoring of water levels and water quality in adjacent monitor wells.

A. Fluid Volume and Rate

overlying freshwater aquifer) and one well per eight acres of production area (wells completed in any additional overlying freshwater aquifers).

D.1 Production Area Pre-mining Water Quality

One or more water samples shall be collected from each designated monitor well (production and non-production zone) and each designated baseline well in the production area. These samples will be analyzed and the results for each well submitted and summarized on forms provided by the TCEQ executive director as follows:

Mine area baseline – ranges of the parameter values determined for the designated production zone monitor wells;

Production area baseline – ranges of the parameter values determined from at least five designated production zone wells in the production area; and

Non-production zone baseline – ranges by zone of the parameter values determined for designated non-production zone monitor wells.

The baseline water quality values for a PAA shall be used to determine control parameter upper limits.

D.2 Determination of Upper Control Limits

After pre-mining water quality is established for the monitor wells for a particular production area, upper limits are set for selected control parameters that would be indicative of a migration of lixiviant from the wellfield. The control parameters chosen for indicators of lixiviant migration and for which upper limits will be set are chloride, conductivity and sulfate. Upper limits will be specified in the Production Area Authorization application as specified in the application instructions and in 30 TAC §331.104. The control parameters will be reported as reported in Table VIII-1.

Table VIII-1 Control Parameters	
Control Parameters	Units
Chloride	mg/l
Conductivity	umhos/cm
Total Alkalinity	mg/l

Chloride was chosen because it is introduced into the lixiviant from the ion exchange process (uranium is exchanged for chloride on the ion exchange resin). Chloride is also a mobile, generally non-attenuated constituent in the groundwater and will show up quickly in the case of a lixiviant migration to a monitor well. Conductivity was chosen because it is an excellent general indicator of overall groundwater quality. Total Alkalinity was chosen because it can help differentiate natural groundwater from injection fluid when monitor wells are influenced by naturally high concentrations of chlorides and/or

D.3 Water Level Measurement

Water level measurements will be collected in the production zone monitor wells and overlying (if present) aquifers. Sudden changes in water levels within the production zone may indicate that the well field flow system is out of balance. Flow rates would be adjusted to correct this situation. Increases in water levels in either the overlying or underlying aquifer may be an indication of fluid migration from the production zone. Adjustments to well flow rates or complete shutdown of individual wells may be required to correct this situation. Increases in water levels in the overlying aquifer may also be an indication of casing failure in a production or injection well or in a monitor well. Isolation and shut down of individual wells can be used to determine in which well a casing failure has occurred in.

D.4 Data Evaluation and Reporting

All of the monitoring data collected to identify potential excursions of lixiviant from the production area will be routinely evaluated by staff. Deviations from the data norms will result in follow up evaluation to identify the cause of the change and adjustment to operations to correct the excursion, if any has occurred.

Results of required monitoring will be maintained on site and reported to the TCEQ upon request or as specified in the permit. Routine monitoring data will be reported quarterly and postmarked no later than the 10th day following the reporting period.

IX. Restoration

UECs primary restoration goal is to restore the mined aquifer to pre-mining water quality. To establish permit area pre-mining groundwater quality, thirty (30) regional baseline wells were completed and twenty seven (27) were sampled inside the existing and proposed mine area boundary. Two of the wells did not make sufficient water to collect a sample and one was plugged due to mechanical integrity issues. Of the wells sampled, five (5) wells were completed in the overlying sand, nineteen (19) wells were completed in the production zone and three (3) were completed in the underlying sand. Laboratory results analyzed by a third party are provided in Appendix A.

Per House Bill 1079, all wells completed in the proposed production sands inside the existing and proposed mine area boundary were used to establish a restoration range table. Table IX-1 is a compilation of all production zone groundwater analytical data taken from regional baseline water wells within the proposed mine area boundary. Although a number of additional livestock, wildlife and industrial wells were sampled, none of them were logged to verify depth and were therefore excluded from the restoration range table.

Groundwater restoration will be accomplished with groundwater sweep coupled with reverse osmosis (RO) or electrodialysis (ED) methods to restore groundwater quality within the mined portions of the Goliad Formation. Aquifer restoration will be ongoing during operations. Attending to restoration during the operations will significantly shorten the project life.

approximately 50%. The bleed from the RO system will be sent to the waste disposal well, with the remaining water re-injected into the wellfield. Make-up water may be added prior to the RO or restoration fluid injection stream to control the hydraulic cone of depression within the restoration area. Make-up water sources include water produced from a PA that is partially restored or is being pumped from a different aquifer. Make-up water can become necessary in order to minimize the wellfield drawdown during the restoration process.

Additionally, prior to, or following IX treatment, the groundwater may be passed through a de-carbonation unit to remove residual carbon dioxide that remains in the groundwater after mining. This activity can result in some low-level carbon dioxide release to the atmosphere which has no adverse impact.

A.2.1 RO

The use of an RO unit is an effective tool to achieve restoration as it reduces the total dissolved solids in the contaminated groundwater, reduces the quantity of water that must be removed from the aquifer to meet restoration criteria, and concentrates dissolved contaminates in a smaller reject volume for disposal. In addition, the RO passes a high percentage of the fluid through the membranes, typically leaving 70 to 90 percent of the dissolved salts in a RO concentrate. In a UEC engineered system, the RO concentrate is sent to the waste disposal well while the clean RO permeate is re-injected or used in the mining process. Typical flow rates of permeate can range up to 225 gpm. The permeate may also be de-carbonated prior to re-injection into the wellfield.

A.2.2. Reductants

A TCEQ approved reductant may be metered into the restoration injection stream to reduce oxidized minerals. The concentration of reductant injected into the formation is determined by how the mined aquifer reacts with the reductant. The goal of reductant addition is to decrease the concentrations of redox sensitive elements through in situ precipitation. The reductant added to the injection stream during this stage will scavenge any oxygen and reduce the oxidation-reduction potential (Eh) of the aquifer. During mining operations, certain trace elements are oxidized. By adding the reductant, the Eh of the aquifer is lowered, thereby decreasing the solubility of these elements.

A.2.3. pH and Pore Volume

If necessary, sodium or potassium hydroxide may be used during the groundwater treatment phase to return the groundwater to baseline pH levels. This will also assist in immobilizing certain parameters such as trace metals.

Post-restoration water quality stability is evaluated by sampling each of the production area baseline wells a minimum of three times with a minimum 30-day interval between each sample. TCEQ will be notified at least two weeks in advance of stability sampling to provide the opportunity for splitting samples. The final set of stability samples will be taken no sooner than 180 days after restoration operations are completed.

C. Fluid Handling

Restoration of the groundwater will produce a waste stream that will be disposed of through a Class I waste disposal well or an alternative TCEQ approved method. Table V-1 indicates the volumes of groundwater that are anticipated to be produced during the restoration process. A permit application is being prepared to seek approval for a Class I waste disposal well to aid in our mining, monitoring, and restoration processes.

The waste disposal wells are permitted for 200 gpm of disposal capacity and the maximum wastewater stream produced reverse osmosis operations is anticipated to be 75 gpm. Mining operations are expected to produce a 38 gpm bleed stream. The 200 gpm disposal capacity of the proposed waste disposal well will be sufficient to handle the combined wastewater volume of 113 gpm from both restoration and mining operations.

X. AQUIFER EXEMPTION

The Burke Hollow Project uranium deposits are similar in character to other known Goliad deposits in south Texas. The mineralization occurs within fluvial sands and silts as roll-front deposits that are typically a "C" or cutoff "C" shape. The roll-fronts discovered to date at Burke Hollow generally occur along an extended oxidation-reduction boundary or front. Two core samples were collected, one in the Goliad 180' sand and the other in the Goliad 370' sand. Analysis by a third party indicated a range of 108 ppm to 2680 ppm U3O8 in the 180' core and 20.8 ppm t 287 ppm in the 370' core.

The geochemical conditions in the sands near the project changed from oxidizing to reducing due to an influx of reductants. Hydrogen sulfide and/or methane dissolved in groundwater are likely sources of creating a reduction-oxidation boundary in the area with consequent precipitation and concentration of uranium mineralization.

The areal extent of the aquifer exemption proposed expansion in relation to the Burke Hollow lease area boundary is shown on Figure X and represents 8,625.95 acres. The vertical extent of the exemption lies completely within the saturated Goliad Sands of the Evangeline Aquifer from a depth interval from -32 mean seal level to -429 ft mean sea level or approximately 162 below ground surface to 535 below ground surface.

This range is provided to indicate that on the west/northwest side of the aquifer exemption boundary, the upper extent of the aquifer exemption (Goliad Lower A production zone) is approximately -32 mean sea level. As you move east/southeast to the other side of the aquifer exemption boundary, the lower extent of the aquifer exemption (Goliad Lower B production zone) is approximately -429 mean sea level.

The North Camp Well #2 was logged with a full size logging truck capable of gamma, SP and resistivity. This well had a TD of 171' below ground surface, a screen interval of 138'-169' below ground surface, a pump located at 120' below ground surface and a water level of 71' from top of casing. See Appendix H for log of North Hunting Camp Well #2.

North Hunting Camp Well #3 was drilled on October 8, 2014, to a TD of 140' below ground surface approximately 100' north of North Hunting Camp Well #2. North Hunting Camp Well #3 was converted to a hunting camp supply well on May 4, 2015, because it was isolated from the existing aquifer exemption. North Hunting Camp Well #2 was then plugged on May 5, 2015 and will no longer serve the hunting camp. The log for North Hunting Camp Well #3 is provided in Appendix H.

Per 30 TAC §331.13(c)(2)(A), a demonstration identifying producible quantities of uranium can be seen in Figures IV-18 through IV-25. Gamma, and prompt fission neutron logging tool signatures identify the minable uranium deposits of interest in the proposed production zones. These signatures represent a grade which is an actual measurement of uranium, in the case of a PFN tool, in the host sand. The grade values are then multiplied by the thickness of the deposit to come up with a grade/thickness value or GT value. In most In-Situ Leach projects, the cut off for producible quantities of uranium is an average GT value of .2 to .3 or better along the entire front. The trends identified in this application meet or exceed the .3 average GT cut off.

In addition to the GT values demonstrated by the logs, a NI 43-101 technical report was published by a third party indicating significant uranium deposits at the Burke Hollow project. The NI 43-101 is a mineral resource estimate prepared by "qualified persons" as defined by CSA National Instrument 43-101 Standards of Disclosure for Mineral Projects. Based on the review of drilling data by 3rd party "qualified persons", the following conclusions (among others) were made in the final 43-101 technical report:

- "A significant uranium deposit has been outlined. Uranium mineralization is hosted in fluvial Goliad Formation sands where concentrated by migration of the boundary between oxidizing and reducing groundwater"
- Drilling to date has outlined an Inferred Mineral Resource in the Upper Zone of 2.35 million pounds and an estimated .54 million pounds in the Lower zone.
- Exploration drilling results to the southeast of the current resource (PAA-1) exhibit the potential to contain between 1.8 million and 7.2 million pounds.

For a deposit to be producible via the In-Situ Leach process, the host sand must also be saturated and continuous. The application provides cross sections of the proposed mine area indicating that the targeted production sands are below the water table and that the sands are continuous. Producible quantities are demonstrated by the fact that our average GT value is .3 for all targeted production sands and these sands are saturated and continuous.

Table XI-1
Restoration Range Table

Revised Sept. 4, 2025

BURKE HOLLOW RESTORATION RANGE TABLE (Production Zone Only)		
Parameters	*Maximum Value*	*Minimum Value*
Arsenic (mg/L)	0.266	0.0033
Cadmium (mg/L)	0.0006	0.0001
Calcium (mg/L)	70.2	11.8
Iron (mg/L)	0.07	0.02
Lead (mg/L)	0.0089	0.0005
Magnesium (mg/L)	21.3	0.6
Manganese (mg/L)	0.038	0.009
Mercury (mg/L)	0 (ND)	0 (ND)
Molybdenum (mg/L)	7.89	0.03
Potassium (mg/L)	21.5	3.1
Selenium (mg/L)	0.0743	0.0001
Silica (mg/L)	34.9	19.9
Sodium (mg/L)	264	166
Uranium (mg/L)	1.35	0.0001
Radium 226 (pCi/L)	160	0.1
Bicarbonate as CaCO3 (mg/L)	322	20
Carbonate as CaCO3 (mg/L)	119	8
Chloride (mg/L)	375	130
Conductivity @25C (umhos/cm)	1790	1000
Fluoride (mg/L)	1.7	0.5
Nitrate as N (mg/L)	1.01	0.04
Nitrate/Nitrite as N (mg/L)	1.04	0.04
Nitrite as N (mg/L)	0.03	0.01
Nitrogen, ammonia (mg/L)	0.34	0.07
pH units	10.4	8.2
pH measured at C	23	18
TDS (mg/L)	1000	570
Sulfate (mg/L)	136	59
Total Alkalinity (mg/L)	322	82

Notes:
( ) - Laboratory reported value
ND - non-detect

TCEQ CORE DATA FORM

TCEQ Use Only

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 603228461		**RN 107228371**

SECTION II: CUSTOMER INFORMATION

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	7/15/2025

☐ 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:*

Uranium Energy Corp	

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0800436242	19804339745	980399476	NA

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 ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address:	#1830-1188 West Georgia St							
	City	Vancouver	**State**	BC	**ZIP**	V6E 4A2	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
#1830-1188 West Georgia St	info@uraniumenergy.com

18. Telephone Number	**19. Extension or Code**	**20. Fax Number** *(if applicable)*
(361) 888-8235	0	(361) 888-5041

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.)*

Burke Hollow Project

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	500 N. Shoreline Blvd. Ste. 800N							
	City	Corpus Christi	**State**	TX	**ZIP**	78401	**ZIP + 4**	
24. County	Bee County							

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

25. Description to Physical Location:	The main entrance to the Burke Hollow Project is located approximately 38 miles north of Corpus Christi or 3 miles south of Woodsboro on Hwy 77. The actual plant and wellfields are located an additional 12 miles west of Hwy 77 entrance via caliche road.

26. Nearest City	**State**	**Nearest ZIP Code**
Woodsboro	TX	78393

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. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
28	16	58.03	97	31	4.04

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	2122	NA	NA

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

In-Situ Uranium Recovery Project

34. Mailing Address:	**500 N. Shoreline Blvd. Ste. 800N.**						
	City	**Corpus Christi**	**State**	**TX**	**ZIP**	**78401**	**ZIP + 4**

35. E-Mail Address:	info@uraniumenergy.com

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(361) 888-8235		(361) 888-5041

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:	R. Craig Wall	41. Title:	V.P. EH&S-Texas

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(361) 888-8235		(361) 888-5041	cwall@uraniumenergy.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:	Uranium Energy Corp	**Job Title:**	V.P. EH&S-Texas	
Name *(In Print):*	R. Craig Wall		**Phone:**	(361) 888- **8235**
Signature:	R. Craig Wall		**Date:**	9/11/2025

Public Interest Demonstration

Section 27.051 of the Texas Water Code (TWC) stipulates certain conditions that must exist for the Commission to grant an application and issue a permit. For all new applications, permit renewals, and permit amendments, submit information addressing the following considerations:

1. That the use or installation of the injection well is in the public interest. [TWC §27.051 (a)(1)]

The approval of this application is in the public interest in that it will provide an additional source of domestic uranium production to provide fuel for nuclear power plants. Nuclear power currently produces approximately 20 percent of the electricity generated in the U.S. The U.S. currently has 104 operating nuclear reactors, and the current national policy suggests that such capacity should be expanded considerably. The average 1,000-megawatt (MW) nuclear reactor uses approximately 500,000 pounds of uranium per year and requires approximately 2 million pounds for initial startup.

In 2011, all uranium producing countries produced an estimated 140 million pounds of uranium. On an international basis, this level of production could result in a future shortfall of uranium supply of approximately 20 million pounds annually. On a domestic basis, the United States produced approximately 3.4 million pounds of uranium in 2011 and required approximately 48.5 million pounds to operate its nuclear power reactor fleet (Energy Information Administration 2007); as a result, domestic nuclear power reactors have been forced to obtain virtually all of their uranium from foreign producers, resulting in a significant U.S. dependence on foreign energy sources in an ever tighter international market. The market has caused a dramatic increase in the price of uranium from $7 to 8 per pound (2002) to $80 to $130 per pound (2007) and is currently stabilized around $35 per pound.

The additional production from the Burke Hollow facility will provide a domestic source of uranium that can be used in nuclear reactors to generate electricity without producing harmful particulate emissions and greenhouse gases. The proposed project will produce about one million pounds of uranium per year. This production will have the beneficial effect of helping the United States offset the deficit in domestic uranium production, thereby reducing our dependence on foreign energy sources.

Quantifiable beneficial economic impacts that would result from mining and ion exchange operations at the Burke Hollow facility include revenues from the sale of processed uranium, local purchases of goods and services, local employment, and tax revenues for Bee County and local school districts. Quantifiable negative economic impacts could potentially include demands on the infrastructure and public services that would be imposed by the project. This will be more than offset by the benefits of local employment and tax revenue increases within Bee County. Negative economic impacts from the Burke Hollow project should be minimized by the modest increase of up to 100 additional direct and indirect positions in the local area.

Direct economic impacts include employment of about 30-40 workers. Total construction expenditures are expected to be in the range of $5.5 million to $6.0 million dollars, including $2.5 million in labor and $3.3 million in equipment purchases. Sixty percent of these purchases will be made within the state of Texas. Quantifiable direct economic impacts during the 10-15 year operational phase of the project will include direct employment of up to 100 workers. Annual purchases of operational goods and services will result in 10 to 15 million dollars in revenue to local, regional, and in-state suppliers, maintaining a substantial increase in revenue for the area.

Economic benefits of the proposed facility include increased employment, income, and business sales stemming directly and indirectly from the project. This will continue to provide positive economic benefits to Bee County and the region. An additional economic benefit arising from the project will be the increased economic diversification it will provide within Bee County and surrounding communities. Cyclical recessions in agriculture and the oil and gas industry have occasionally impacted the area, reducing employment, income and business sales. An additional industry, such as ISR uranium mining and processing that is independent of these basic export-oriented economic sectors, will provide increased overall stability of the economy in this area, increasing the resilience of the community in the face of adverse conditions in the farming, ranching, and oil and gas industries. Increased diversification and consequent increased stability will reduce the magnitude and duration of any negative social and economic impacts during periods of regional recession. Increased job opportunities in the area will allow young people to remain in the community rather than having to migrate to urban areas to find employment. Increased employment, income, and business sales expected from additional future wellfields will also have positive impacts on the local fiscal entities within Bee County. The towns of Beeville, Sinton, Woodsboro and Refugio will experience modest increases in tax revenue from higher retail sales and increased property values.

The indirect and induced economic effects of direct employment, personal income, and sales effects have not been quantitatively estimated (uranium mining is not a sector for which multipliers are available from the Bureau of Economic Analysis). However, based on similar economic analysis using input-output techniques, indirect and induced employment, income and output (business sales) could be expected to increase throughout Bee County and other surrounding areas, generating additional jobs, income, and sales. Indirect effects would be generated in the area from the purchase of goods and services from regional suppliers, especially labor, power, and fuel. Induced effects will be generated when UEC employees purchase goods and services within the local community. The resulting indirect and induced effects will create employment, income, and output impacts for the area in addition to the direct effects discussed above.

2. That no existing rights, including, but not limited to, mineral rights, will be impaired. [TWC §27.051(a)(2)]

   There will be no impairment to existing rights, including mineral rights.

3. That, with proper safeguards, both ground and surface fresh water can be adequately protected from pollution; [TWC §27.051(a)(3)]

   The injection wells will be constructed to 30 TAC Chapter 331 requirements and will adequately protect ground and surface fresh water from pollution as described in the permit application.

4. That the applicant has made a satisfactory showing of financial responsibility if required by Section 27.073 of this code; [TWC §27.051(a)(4)]

   Financial responsibility is addressed in Section III and Attachment E of the Mine Area Application.

5. That the compliance history of the applicant and related entities is acceptable. [TWC §27.051(d)(l). 30 TAC § 331.121(b)(l)]

   UEC's compliance rating as of August 13, 2013 was zero.

6. That there is no practical, economic, and feasible alternative to an injection well reasonably available. [TWC §27.051(d)(2). 30 TAC § 331.121(b)(2)].

There is no practical, economic, and feasible alternative to injection wells reasonably available to recover this energy resource.

Alternative Mining Methods

Underground and open pit mining represent the two currently available alternative mining methods to ISR mining at the uranium deposits in the project area. Neither of these methods is economically viable at this time.

More importantly, open pit mining and/or underground mining with the associated milling processes involve higher risks to employees, members of the public, and impacts to the environment. Radiological exposure to personnel performing these activities is increased not only from the mining but also from the milling and waste standpoint. Moreover, the worker injury rate is traditionally much higher in open pit and underground mines than has been experienced at ISR mining operations.

Both open pit and underground mining methods would require substantial dewatering to depress the potentiometric surface of the local aquifers to provide access to the ore. The groundwater would contain naturally high levels of Radium-226 that would need to be treated prior to discharge resulting in additional radioactivity that would have to be disposed. Also, a tailings pond that could contain from 5 to 10 million tons of tailings would need to be constructed. This would result in permanent negative impacts to the land surface and groundwater.
In a comparison of the overall impacts of in-situ recovery compared to conventional mining, the advantages of in-situ recovery include the following:

(1) Significantly less surface area is disturbed than in surface mining, resulting in less disruption of the environment.

(2) The quantity of solid wastes produced by in-situ recovery is generally less than 1 percent of that produced by conventional milling methods [more than 948 kg (2,090 lb) of tailings usually result from processing each metric ton (2,200 lb) of ore].

(3) Air pollution caused by dust from crushing and grinding operations, ore and overburden stockpiles, and tailings pile(s), is eliminated because these processes and facilities are not used in ISR mining.

(4) The potential for radiation exposure is significantly less than that associated with conventional mining and milling. The tailings produced by conventional mills contain essentially all of the Radium-226 originally present in the ore. By comparison, less than 5 percent of the radium in an ore body is brought to the surface when in situ recovery methods are used. Consequently, operating personnel are not exposed to the radionuclides present in and emanating from the ore and tailings.

(5) The ISR mine site can be returned to pre-mining uses within a relatively short time as compared to a conventional mine site. In addition, open-pit mining permanently removes the mined area from future beneficial use.

(6) ISR mining results in significantly less consumptive use of water than conventional mining and milling.

Alternative Sites for the Processing Plants

UEC considered several alternative sites for construction of the IX facility. The site chosen had the highest score of all candidate sites for the following reasons.

(1) The operations at this facility will have minimal impacts on the surrounding members of the public because of its location in a very low population density area.

(2) Population density downwind of the site is low relative to population density in the general area. This results in minimal potential exposure to members of the public.

(3) The site is readily accessible via a caliche road which has minimal vehicular traffic.

(4) The site is ideally located near a topographic high, having little or no run on or runoff, thereby avoiding surface water impacts.

No other site chosen had all of these attributes which make it ideal for the intended purpose.

Alternative Leach Solutions

Oxygen/carbon dioxide leach solution and/or Hydrogen Peroxide or Sodium Chlorate has also been selected for the proposed project because of favorable performance at UEC/STMV's La Palangana Project and similar ISR operations. The technology using these chemicals is environmentally superior to other ISR technologies. Alternate leach solutions evaluated included ammonium-carbonate solutions and acidic-leach solutions. These solutions have historically been used in ISR mining programs; however, difficulty in restoring and stabilizing the mined aquifer has been experienced, making these options environmentally unacceptable.

Groundwater Restoration Alternatives

The proposed combination of groundwater sweep and RO or ED treated water re-injection was selected because of the proven success in pilot programs and historical ISR operations. These technologies are considered the Best Practicable Technology (BPT) available by the NRC and State regulatory authorities.

Liquid Waste Disposal Alternatives

The use of deep disposal wells or pre-treated land applications to handle the liquid waste from ISR is considered the best available technology.

Other disposal methods that were considered and rejected include:

(1) Solar evaporation ponds, which have the potential for high radon emissions, groundwater contamination, and generation of additional solid waste.

(2) Thermal evaporation which was rejected due to high energy costs and potential to generate additional solid wastes.

Legal Description

UEC holds the following uranium mining lease on the Burke Hollow property:

Thomson-Barrow Corporation/Burke Hollow Corporation Lease: 17,510.63 acres

The Burke Hollow lease, constituting a single block, is located approximately 17.5 miles East-Southeast of Beeville and 10 miles South-Southwest of Blaconia in Bee County, Texas. Title to the land is part of a 29,332 acre tract contained and referenced in:

1. Deed dated September 15, 1988, from Thomas D. Barrow, Janice H. Barrow, Theodore H. Barrow, Kenneth T. Barrow, Barbara Barrow McCelvey and Elizabeth Brueggeman to Burke Hollow Corporation recorded in Volume 453, Page 1 of the Deed Records of Bee County, Texas (and Real Property Records of Refugio County, Texas).
2. Deed dated September 5, 1988, from Elizabeth Barrow Brueggeman to Burke Hollow Corporation recorded in Volume 452, Page 473 of the Deed Records of Bee County, Texas.
3. Deed dated September 5, 1988, from Barbara Barrow McCelevy to Burke Hollow Corporation recorded in Volume 452, Page 477 of the Deed Records of Bee County, Texas.
4. Deed dated September 5, 1988, from Thedore H. Barrow to Burke Hollow Corporation recorded in Volume 452, Page 481 of the Deed Records of Bee County, Texas.
5. Deed dated September 5, 1988, from Kenneth T. Barrow to Burke Hollow Corporation recorded in Volume 452, Page 485 of the Deed Records of Bee County, Texas.
6. Special Warranty Deed dated September 5, 1988, from Alvin Nored to Burke Hollow Corporation recorded in Volume 452, Page 489 of the Deed Records of Bee County, Texas.

The **17,510.63 acres of land**, more or less under our lease, a Memo of which is Recorded at Volume 938, Page 520 of the Official Records of Bee County, Texas, and being comprised of Blocks Two, Three and Four of the Five Blocks described in that certain Partition of the Laura Driscoll Thomson Estate Ranch out of the Miguel de los Santos Survey, A-64, the John Roache Survey, A-60, the Garrett Roache Survey, A-59, the William Burke Surve, A-9, the John, Michael and Martin Tool Survey, A-67, the Maximo Gomez Survey, A-25, the J. M. Castillo Survey, A-14, the Saragossa Irrigation and Manufacturing Co. Survey, A-1250, and the Patrick Downey Survey, A-20 in Bee County, Texas, as shown on the Map of said Subdivision being recorded in Volume 2, Page 49 of the Map Records of Bee County, Texas.

UEC's Permit area shares only a Northern border with our lease and lies totally within the boundaries of said lease.

ATTACHMENT C-1

Legal Description

INDEXED

Mail recorded original and property tax notices to Grantee at:

Burke Hollow Corporation
911 Briar Ridge
Houston, Texas 77057
Attn: President

68250

DEED

STATE OF TEXAS §
§
COUNTIES OF BEE AND REFUGIO §

Recitals

Thomas D. Barrow, Janice H. Barrow, Theodore H. Barrow, Kenneth T. Barrow, Barbara Barrow McCelvey and Elizabeth B. Brueggeman (hereinafter referred to individually as a "Grantor" and collectively as the "Grantors") each own an undivided interest in and to that certain real property, and appurtenances thereto, located in Bee and Refugio Counties, Texas and more particularly described on Exhibit A attached hereto and made a part hereof (such property and interests appurtenant thereto being hereinafter referred to as the "Property").

Each Grantor's respective undivided interest in and to the Property (as to each Grantor, its "Undivided Property Interest") is as set forth below:

Grantor	Undivided Property Interest
Thomas D. Barrow	three-eights (3/8)
Janice H. Barrow	three-eights (3/8)
Theodore H. Barrow	one-sixteenth (1/16)
Kenneth T. Barrow	one-sixteenth (1/16)
Barbara Barrow McCelvey	one-sixteenth (1/16)
Elizabeth B. Brueggeman	one-sixteenth (1/16)

Each Grantor desires to convey its Undivided Property Interest to Burke Hollow Corporation, a Texas corporation

This instrument was prepared by:
Richard K. McGee
3300 First City Tower
1001 Fannin
Houston, Texas 77002-6760

NOTICE TO RECORDING AGENT:

PLEASE FILE THIS INSTRUMENT TOGETHER WITH OTHER INSTRUMENTS FURNISHED TO YOU HEREWITH IN THE FOLLOWING SEQUENCE:

INSTRUMENT 7 OF 7 INSTRUMENTS

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("Grantee"), whose principal place of business is located at 911 Briar Ridge, Houston, Texas 77057.

NOW, THEREFORE, each Grantor, for good, valuable and sufficient consideration in hand paid by, and as a contribution to the capital of, Grantee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and confessed by each Grantor, has and by these presents does grant, convey, sell, bargain, assign, transfer, deliver and set over unto Grantee such Grantor's Undivided Property Interest.

Each Undivided Property Interest is conveyed and accepted subject to the following to the extent the same are valid, enforceable and affect the Property: all liens, covenants, restrictions, reservations and rights, rights-of-way, easements, outstanding oil, gas, and mineral interests, royalty interests, oil, gas and mineral leases and other encumbrances, if any, of public record in the above state and county; all zoning ordinances or statutes and building, use and occupancy restrictions, if any, of public record; and all matters that would be revealed by a current inspection or survey of the Property.

TO HAVE AND TO HOLD each Undivided Property Interest unto Grantee, its successors and assigns, forever.

Each conveyance is made without warranty of title, express, implied or statutory, and without recourse even as to the return of the purchase price, but with full substitution and subrogation of the Grantee, and all persons or entities claiming by, through and under the Grantee, to the extent assignable, in and to all covenants and warranties by such Grantor's predecessors in title and with full subrogation of all rights accruing under the statutes of limitation or prescription under the laws of the state in which the Property is located and all rights of action of warranty against all former owners of such Grantor's Undivided Property Interest. Any covenants implied by statute or law by use of the words "grant, convey, sell, bargain, assign, transfer, deliver or set over" or any of them or any other words used in this deed are hereby expressly disclaimed, waived and negated.

WITNESS THE EXECUTION HEREOF, effective as of the 15th day of September 1988.

Thomas D. Barrow

Janice H. Barrow

Theodore H. Barrow

Kenneth T. Barrow

Barbara Barrow McCelvey

Elizabeth B. Brueggeman

STATE OF TEXAS

COUNTY OF HARRIS

This instrument was acknowledged before me on 9-9-88 by Thomas D. Barrow.

Notary Public

My Commission Expires: 2-4-92

AUDREY N. HENRY
Notary Public, Harris County, Texas
My Commission Expires: 2-4-92

STATE OF TEXAS

COUNTY OF HARRIS

This instrument was acknowledged before me on 9-4-88 by Janice H. Barrow.

Audrey N. Henry
Notary Public

My Commission Expires: 2-4-92

AUDREY N. HENRY
Notary Public, Harris County, Texas
My Commission Expires: 2-4-92

STATE OF VIRGINIA

County of Prince William
~~CITY OF FREDERICKSBURG~~

This instrument was acknowledged before me on October 13, 1988 by Theodore H. Barrow.

Charlotte T. Barrow
Notary Public

My Commission Expires: 4/30/89

STATE OF TEXAS

COUNTY OF MIDLAND

This instrument was acknowledged before me on 4-26-89 by Kenneth T. Barrow.

Carolyn D. Larson
Notary Public

My Commission Expires: 7-30-92

CAROLYN D. LARSON
Notary Public, State of Texas
My Commission Expires 7/30/92

STATE OF TEXAS

COUNTY OF HARRIS

This instrument was acknowledged before me on 9-8-88 by Barbara Barrow McCelvey.

Audrey N. Henry
Notary Public

My Commission Expires: 2-4-92

AUDREY N. HENRY
Notary Public, Harris County, Texas
My Commission Expires: 2-4-92

STATE OF TEXAS

COUNTY OF HARRIS

This instrument was acknowledged before me on 9-9-88 by Elizabeth B. Brueggeman.

Audrey N. Henry
Notary Public

My Commission Expires: 2-4-92

AUDREY N. HENRY
Notary Public, Harris County, Texas
My Commission Expires: 2-4-92

RKM:
BARROW/a:deed.doc

EXHIBIT A

THE STATE OF TEXAS }
COUNTIES OF BEE AND REFUGIO }

Field notes of a survey of 29,332.04 acres of land made for Mrs. Laura T. Barrow, Independent Executrix of the Estate of Mrs. Laura D. Thomson, 3314 Chevy Chase Drive, Houston 19, Texas.

Being a resurvey of the following tracts of land in Bee and Refugio Counties, Texas:

1. A tract of 25,597.8 acres in Bee and Refugio Counties, being the First Tract of Share Three allotted Laura Driscoll in suit styled Mrs. Birdie D. Rooke et al vs. Robert Driscoll et al, Cause No. 456 in the District Court of Refugio County, Texas, by Decree dated September 17, 1894, as recorded in Volume Q, page 398 et seq., Deed Records of Refugio County, Texas.

2. A tract of 562 1/2 acres out of the Timotny Hart one league grant in Bee County, being the identical 584 1/2 acre tract conveyed by J. Billingsley to J. O. & R. Driscoll by deed dated September 30, 1884, also being the Second Tract of Share Three in Cause No. 456, identified above.

3. A tract of 2809 acres in Bee County conveyed by Mrs. Birdie D. Rooke et vir to Mrs. Laura Thomson by deed dated March 7, 1898, as recorded in Volume B-2, page 113, Deed Records of said county.

4. A tract of 100 acres in Bee County conveyed by Theo Priour et ux to Laura D. Thomson by deed dated July 23, 1909, as recorded in Volume U-2, page 507, Deed Records of said county.

5. A tract of 160 acres in Bee County conveyed by H. W. Sparks to Mrs. Laura D. Thomson by deed dated June 27, 1911, as recorded in Volume 49, page 615, Deed Records of said county.

Said survey is comprised of 23,321.52 acres in Bee

Recorder's Memo: Legibility Of Writing, Typing or Printing UNSATISFACTORY in this Document when received.

County and 6,010.52 acres in Refugio County, being out of the following original surveys:

ORIGINAL GRANTEE	BEE COUNTY AB.NO.	BEE COUNTY ACRES	REFUGIO COUNTY AB.NO.	REFUGIO COUNTY ACRES	TOTAL ACRES
Rosa Brown	7	786.70	7	1657.69	2444.39
Patrick Downey	20	3835.27	18	939.62	4774.89
Daniel O. Driscoll		11.23	134	751.04	762.27
S. I. & M. Co.	1250	418.28	408	344.98	763.26
Cuad. Irrig. Co.			130	107.97	107.97
Cuad. Irrig. Co.			128	195.54	195.54
D. J. Mitchell			217	74.53	74.53
C.E.P.I. & M. Co.			118	39.71	39.71
C.E.P.I. & M. Co.			120	11.72	11.72
Maximo Gomez	25	1303.19	30	541.60	1844.79
J. M. Castillo	14	101.24	10	1346.12	1447.36
M. de los Santos	64	5218.03			5218.03
John Roache	60	821.38			821.38
Garrett Roache	59	2710.08			2710.08
William Burke	9	2184.16			2184.16
M. M. & J. Tool	67	121.27			121.27
James Burke	8	1309.89			1309.89
William Quin	54	1138.90			1138.90
William Bartels	4	653.28			653.28
James H. Mullen	13	990.20			990.20
John Casidy	13	1059.10			1059.10
Dieterich, Baumaker & Longenheim	18	60.92			60.92
Timothy Hart	28	598.40			598.40
		23,321.52		6,010.52	29,332.04

Said survey is more particularly described by metes and bounds as follows, to-wit:

Beginning at a concrete monument in fence corner at a corner of land owned by James Lawrence Wood, the N.W. corner of a tract of 8648 acres conveyed by R. H. Welder to James F. Welder by deed dated December 30, 1935, as recorded in Volume 32, page 196, Deed Records of Refugio County, Texas and the N.E. corner of the

File: 4660

First Tract of Share Three allotted Mrs. Laura Driscoll Thomson in said suit styled Rooke vs. Driscoll, Cause No. 456, for the N.E. corner of this survey;

Thence, S. 9° 08' 55" W., with fence on the west line of said James F. Welder land, 12,572.1 feet to a concrete monument in said line at corner of fence marking a corner of the First Tract of Share Two, containing 17,957.83 acres allotted Catherine Driscoll (now Mrs. K. D. Roche) for a corner of this survey, from whence an 18 inch Live Oak tree marked X Bears, N. 38° 30' W., 115 feet;

Thence, S. 70° 08' 14" W., with fence on a line of said 17,957.83 acre Roche tract, 7868.3 feet to a concrete monument at its N.W. corner for a corner of this survey, from whence a 26 inch Mesquite tree marked X Bears, N. 40° 30' W., 65 feet;

Thence, S. 8° 52' 17" W., with fence on the west line of said 17,957.83 acre Roche tract, at 10,247 feet pass a concrete monument in the northeast line of the Patrick Downey grant, at 11,595.4 feet pass a concrete monument in the south line of said Downey grant and the north line of the Rosa Brown grant, at 18,195.4 feet in all to a concrete monument at the N.E. corner of a tract of 632.4 acres allotted Adeline Welder by decree in suit styled Mrs. Dolores Welder et al vs. Adeline Welder et al as recorded in Volume P, page 494, Deed Records of Refugio County, Texas, for the S.E. corner of this survey;

Thence, N. 81° 14' 28" W., with the north line of said Adeline Welder land, at 12,430.7 feet pass a concrete monument set in the Bee-Refugio County line, at 15,380 feet found a 36 inch Live Oak tree marked X which Bears, N. 8° 45' E., 7 feet, at 15,605 feet set a concrete monument, at 15,797 feet to a stake in the center of Aransas Creek at the N.W. corner of said Adeline Welder land and the S.W. corner of Tract One of Share Three allotted Laura Driscoll for a corner of this survey;

Thence, up the center of Aransas Creek with its meanders as follows: N. 12° 14' E., 201 feet; N. 19° 05' E., 200 feet;

N. 21° 05' E., 202 feet; N. 27° 29' E., 199 feet; N. 33° 27' E., 201 feet; N. 30° 52' E., 399.6 feet; N. 25° 19' E., 201 feet; N. 21° 15' E., 144 feet; N. 15° 11' E., 202 feet; N. 19° 45' E., 201 feet; N. 12° 55' E., 200 feet; North, 162 feet; N. 9° W., 196 feet; N. 20° 47' W., 200 feet; N. 30° 15' W., 201 feet; N. 31° 59' W., 121 feet; N. 31° 21' W., 171 feet; N. 37° 12' W., 383 feet; N. 38° 59' W., 200 feet; N. 35° 33' W., 199 feet; N. 33° 57' W., 199 feet; N. 28° 31' W., 200 feet; N. 27° 20' W., 200 feet; N. 23° 56' W., 201 feet; N. 26° 40' W., 103 feet; N. 8° 25' W., 199 feet; N. 7° 16' W., 201 feet; N. 8° 31' W., 204 feet; N. 12° E., 204 feet; N. 15° 14' E., 201 feet; N. 15° 50' E., 200 feet; N. 17° 31' E., 200 feet; N. 21° 31' E., 202 feet; N. 13° 41' E., 400 feet; N. 7° 31' E., 202 feet; N. 1° 09' E., 201 feet; N. 1° 28' W., 200 feet; N. 2° 19' W., 200 feet; N. 8° 22' E., 76 feet; N. 14° 43' E., 196 feet; N. 24° 36' E., 200 feet; N. 18° 34' E., 200 feet; N. 24° 11' E., 212.3 feet to stake in said centerline at the N.E. corner of a tract of 1667.9 acres owned by Joe Wilson and the S.E. corner of the William Quin one-quarter league grant for a corner of this survey;

Thence, S. 89° 49' 55" W., with the north line of said Joe Wilson land, at 80 feet set a concrete monument, from whence an 18 inch Hackberry marked W Bears, N. 59° W., 67 feet, at 1426 feet fence begins, and continue with fence, at 5816.4 feet in all to a concrete monument in fence corner at the N.W. corner of said Wilson land and the N.E. corner of a tract of 1300.7 acres owned by Mrs. Jamie Hynes for a corner of this survey;

Thence, S. 89° 49' 32" W., with fence on the north line of said Hynes land, 4136.8 feet to a concrete monument in fence corner at her N.W. corner and the N.E. corner of the Second Tract of Share Three allotted Mrs. Laura Driscoll Thomson in said suit styled Birdie D. Rooke et al vs. Robert Driscoll et al, Cause No. 456 in the District Court of Refugio County, Texas, for a corner of this survey;

Thence, S. 0° 10' 47" E., with the west line of said Jamie Hynes land and the east line of said Second Tract of Share Three, at 13,714.1 feet pass a concrete monument in fence corner at the S.W. corner of said Hynes land and a corner of a tract of 360.8 acres owned by John Murphy, and continuing with the east line of said Murphy tract, at 14,387.1 feet set a concrete monument at end of fence, at 14,468.1 feet in all to the north bank of Silver Creek at the S.E. corner of said Second Tract of Share Three for a corner of this survey;

Thence, up the north bank of Silver Creek with its meanders as follows: N. 84° 37' W., 363 feet; S. 52° 57' W., 363 feet; S. 70° 13' W., 405 feet; S. 84° 16' W., 241.3 feet; N. 63° 29' W., 250 feet; N. 53° 24' W., 274 feet; N. 77° 11' W., 108.9 feet to a stake on said north bank in fence on the east line of a tract of 380 acres owned by John Murphy and V. E. Kessler at the S.W. corner of said Tract Two of Share Three allotted Mrs. Laura Driscoll Thomson for the most southerly S.W. corner of this survey;

Thence, N. 1° 14' W., with fence on the east line of said Murphy and Kessler 380 acre tract, at 150 feet set a concrete monument, at 876 feet in all to a fence corner post marking the N.E. corner of said Murphy and Kessler 380 acre tract and the S.E. corner of a tract of 384.6 acres owned by Loyce Du Menil for a corner of this survey;

Thence, N. 0° 21' E., with fence on the east line of said Du Menil tract, 3207.8 feet to an iron pipe in fence corner marking its N.E. corner and the S.E. corner of a tract of 580 acres owned by Ella O'Reilly for a corner of this survey;

Thence, N. 0° 07' W., with fence on the east line of said Ella O'Reilly tract, 3162 feet to an iron pipe in fence corner marking its N.E. corner and the S.E. corner of a tract of 606 acres owned by W. B. Tuttle for a corner of this survey;

Thence, N. 0° 41' E., with fence on the east line of said W. B. Tuttle tract, 2417.8 feet to an iron pipe in fence

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File: [illegible]

corner marking its N.E. corner and the S.E. corner of a tract of 606 acres owned by R. T. Hart et al for a corner of this survey;

Thence, N. 0° 44' E., with fence on the east line of said Hart tract, 2415 feet to an iron pipe in fence corner marking its N.E. corner and the S.E. corner of a tract of 606 acres owned by Phil Ludwig for a corner of this survey;

Thence, N. 1° 11' E., with fence on the east line of said Ludwig tract, 2429 feet to a concrete monument in fence corner at its N.E. corner and the N.W. corner of said Tract Two of Share Three allotted Mrs. Laura Driscoll Thomson for a corner of this survey;

Thence, S. 89° 36' W., with fence on the north line of said Ludwig tract, 1289 feet to a concrete monument in fence corner at the S.E. corner of the Second Tract of Share Two, containing 7553.9 acres allotted Mrs. K. D. Roche and the S.W. corner of the First Tract of Share Three allotted Mrs. Laura D. Thomson in suit styled Birdie Rooke et al vs. Robert Driscoll et al, Cause No. 456, District Court of Refugio County, Texas, for the S.W. corner of said William Quin grant, the S.E. corner of the William Bartels grant of one-quarter league and the most westerly S.W. corner of this survey;

Thence, N. 0° 05' 05" E., with fence on the east line of said 7553.9 acre tract and the east line of the William Bartels grant, at 3666.1 feet pass a concrete monument at the N.W. corner of said William Quin grant and the S.W. corner of the James Burke one-quarter league grant, at 7569.1 feet in all to a concrete monument in fence corner at N.W. corner of said James Burke grant and the S.W. corner of the James H. Mullen one-quarter league grant for a corner of said Second Tract of Share Two allotted Mrs. K. D. Roche, a corner of said First Tract of Share Three allotted Mrs. Laura D. Thomson and a corner of this survey;

Thence, N. 89° 55' 06" W., with fence on a line of said Second Tract of Share Two allotted Mrs. K. D. Roche, 1822.5 feet to a concrete monument at a corner of said Tract Two, Share Two

for the S.W. corner of Tract Eight of Share One containing 2809 acres conveyed by Birdie L. Roche et vir to Mrs. Laura D. Thomson by deed dated March 7, 1898, as recorded in Volume B-2, page 113, Deed Records of Bee County, Texas, for a corner of this survey;

Thence, N. 0° 01' 40" E., with fence on the east line of said Roche land, at 16,820.2 feet pass a fence corner post at north end of fence, at 17,181 feet pass a concrete monument, from whence a 10 inch Hackberry tree marked A Bears, N. 63° W., 39 feet, at 17,486 feet in all to a stake in center of Aransas Creek for the N.E. corner of said Roche land, the N.W. corner of said 2809 acre tract and a corner of this survey;

Thence, down the center of Aransas Creek with its meanders as follows: N. 71° 45' E., 218.5 feet; S. 73° 17' E., 212 feet; S. 72° 16' E., 164 feet; S. 64° 04' E., 198 feet; S. 66° 36' E., 56 feet; S. 50° 12' E., 159.2 feet to a stake at the most northerly S.W. corner of said First Tract of Share Three allotted Mrs. Laura D. Thomson and the S.E. corner of land owned by Claude E. Heard for a corner of this survey;

Thence, N. 14° 41' 52" E., with the east line of the Claude E. Heard land, at 201 feet pass a large Live Oak tree marked X on line, at 559.2 feet pass a concrete monument, at 559.2 feet fence begins, at 10,482.1 feet in all to a concrete monument in fence corner at the S.W. corner of land owned by Mrs. Georgie Heard for the N.W. corner of said First Tract of Share Three allotted Mrs. Laura D. Thomson and the N.W. corner of this survey;

Thence, S. 72° 13' E., with fence on the south line of said Georgie Heard land, at 503.1 feet pass a concrete monument on the east line of the Martin, Michael and John Tool grant of three-quarters of a league and the west line of the William Burke grant of one league, at 7112.8 feet pass a concrete monument on the east line of said William Burke grant and the west line of the Garrett Roache grant of one league, at 8003.9 feet in all to a concrete monument at angle in fence for a corner of said Heard land and a corner of this survey;

Thence, S. 72° 24' 28" E., with the south line of said Georgie Heard land, 1619.2 feet to a concrete monument at angle in fence for a corner of same and a corner of this survey;

Thence, S. 72° 08' 41" E., with fence on the south line of said Georgie Heard land, 1056.7 feet to a concrete monument in fence corner at her S.E. corner and the S.W. corner of a tract of 5000 acres owned by Mrs. Josephine Chesnutt for a corner of this survey;

Thence, S. 72° 20' 43" E., with fence, at 3041.9 feet pass a concrete monument on the east line of said Garrett Roache grant and the west line of the John Roache grant of one-quarter league, at 4694.4 feet pass a concrete monument on the east line of said John Roache grant and the west line of the Miguel de los Santos grant of one league, at 1,021 feet pass a concrete monument in the east line of said Miguel de los Santos grant and the west line of the Maximo Gomez grant of one league, at 24,363.4 feet pass a concrete monument on the east line of said Gomez grant and the west line of the Jose M. Castillo grant of one league, at 26,016.2 feet in all to a concrete monument in fence corner at the S.E. corner of the Elizabeth McCurdy land and the S.W. corner of land owned by James Lawrence Wood for a corner of this survey;

Thence, S. 72° 08' 55" E., with fence on the south line of the James Lawrence Wood land, at 286 feet pass a concrete monument in the Bee-Refugio County line, at 3691.6 feet pass a concrete monument in the east line of said Castillo grant, at 3943 feet in all to the place of beginning.

THE STATE OF TEXAS
COUNTIES OF BEE AND REFUGIO

I, PHILLIP G. YOUNG, Licensed State Land Surveyor, do hereby certify that the foregoing is a true and correct description of an actual survey made by me on the ground.

Surveyed December 4, 1957.

Phillip G. Young
PHILLIP G. YOUNG
Licensed State Land Surveyor

SEAL AFFIXED

VOL 453 PAGE 13

SAVE AND EXCEPT, and the Land herein described does not include the following described five (5) tracts of land located in Bee County Texas:

TRACT 1:

A tract of land in Bee County, Texas, out of Block Four (4) of The Laura Driscoll Thomson Estate Ranch Subdivision, Bee and Refugio Counties, Texas, as set out in that certain Plat showing Revised Subdivision of The Laura Driscoll Thomson Estate Ranch recorded in Volume 2, Page 49, Map Records of Bee County, Texas, said tract being more particularly described by metes and bounds as follows:

BEGINNING at the Northwest corner of said Block 4,

THENCE S 72° 13' East 295.18 feet along the northern boundary of Block 4 to a point;

THENCE S 14° 41' 52" West 295 feet to a point;

THENCE N 72° 13' West 295.18 feet to a point on the West boundary of Block 4; and

THENCE N 14° 41' 52" East 295 feet along the West line of Block 4 to the POINT OF BEGINNING.

TRACT 2:

A tract of land in Bee County, Texas, out of Block Four (4) of The Laura Driscoll Thomson Estate Ranch Subdivision, Bee and Refugio Counties, Texas, as set out in that certain Plat showing Revised Subdivision of The Laura Driscoll Thomson Estate Ranch recorded in Volume 2, Page 49, Map Records of Bee County, Texas, said tract being more particularly described by metes and bounds as follows:

BEGINNING at the Northeast corner of said Block 4;

THENCE S 14° 42' West 295.18 feet along the East line of said Block 4 to a point;

THENCE N 72° 20' 43" West 295 feet to a point;

THENCE N 14° 42' East 295.18 feet to a point on the North boundary of Block 4; and

THENCE S 72° 20' 43" East 295 feet along the North boundary line of Block 4 to the POINT OF BEGINNING.

TRACT 3:

A tract of land in Bee County, Texas, out of Block Five (5) of The Laura Driscoll Thomson Estate Ranch Subdivision, Bee and Refugio Counties, Texas, as set out in that certain Plat showing Revised Subdivision of The Laura Driscoll Thomson Estate Ranch recorded in Volume 2, Page 49, Map Records of Bee County, Texas, said tract being more particularly described by metes and bounds as follows:

BEGINNING at the most Westerly Southwest corner of said Block 5, being the Southwest corner of the William Quinn Grant in said Block 5;

THENCE N 0° 05' 05" East 295.18 feet along the West line of Block 5 to a point;

THENCE N 89° 36' East 295 feet to a point;

THENCE S 0° 05' 05" West 295.18 feet to a point on the South boundary line of the William Quinn Grant in said Block 5; and

THENCE S 89° 36' West 295.18 feet along the South boundary line of the William Quinn Grant of Block 5 to the POINT OF BEGINNING.

TRACT 4:

A tract of land in Bee County, Texas, out of Block Three (3) of The Laura Driscoll Thomson Estate Ranch Subdivision, Bee and Refugio Counties, Texas, as set out in that certain showing Revised Subdivision Plat of The Laura Driscoll Thomson Estate Ranch recorded in Volume 2, Page 49, Map Records of Bee County, Texas, said tract being more particularly described by metes and bounds as follows:

BEGINNING at the most Northerly Eastern corner of said Block 3, being the intersection of the Bee County Line with the North line of the Patrick Downey Grant in said Block 3;

THENCE N 33° 35' 42" West 295.18 feet along the North boundary line of Block 3 to a point;

THENCE S 33° 01' 44" West 295 feet to a point;

THENCE S 33° 35' 42" East 295.18 feet to a point on the Bee County Line; and

THENCE N 33° 01' 44" East 295 feet along common line bounding Bee and Refugio Counties to the POINT OF BEGINNING.

TRACT 5:

A tract of land in Bee County, Texas, out of Block Five (5) of The Laura Driscoll Thomson Estate Ranch Subdivision, Bee and Refugio Counties, Texas, as set out in that certain Plat showing Revised Subdivision of The Laura Driscoll Thomson Estate Ranch recorded in Volume 2, Page 49, Map Records of Bee County, Texas, said tract being more particularly described by metes and bounds as follows:

BEGINNING at the most Southerly Southeast corner of Block 5, being the Southeast corner of the Timothy Hart Grant in said Block 5;

THENCE N 0° 10' 47" West 295.18 feet along the East line of said Timothy Hart Grant in said Block 5 to a point;

THENCE N 84° 37' West 295 feet to a point;

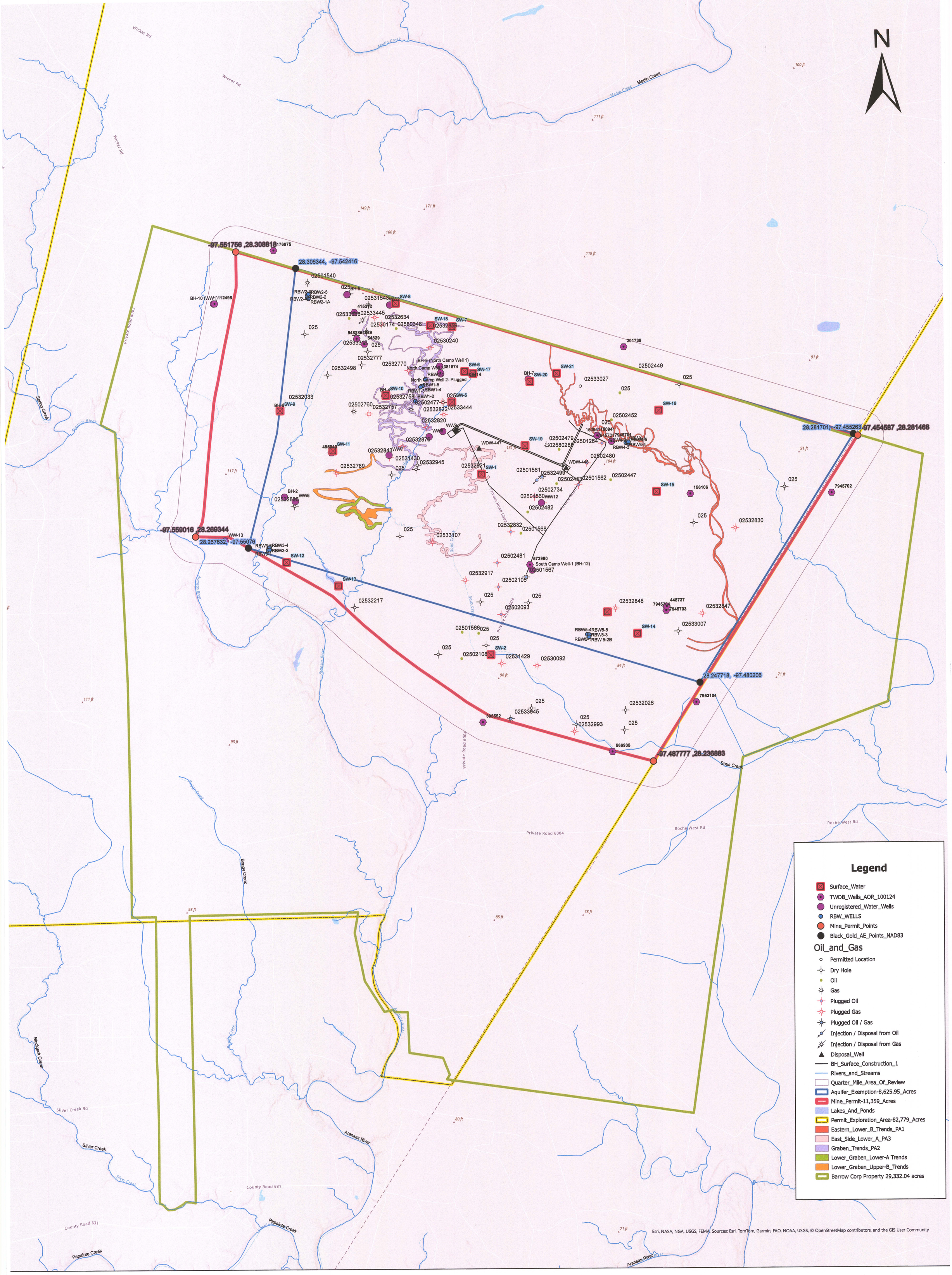
THENCE S 0° 10' 47" East 295 feet to a point in the meander of Silver Creek;
THENCE S 84° 37' East 295.18 feet along the meander of the North bank of Silver Creek to the POINT OF BEGINNING.

VOL 453 PAGE 15

Filed for record November 28, 1988, at 11:00 o'clock A. M.
and recorded November 29, 1988, Deed
Records of this office.

JULIA V. TORRES, Clerk
County Court, Bee County, Texas

By Cynthia S. Martinez, Deputy



Uranium Energy Corp

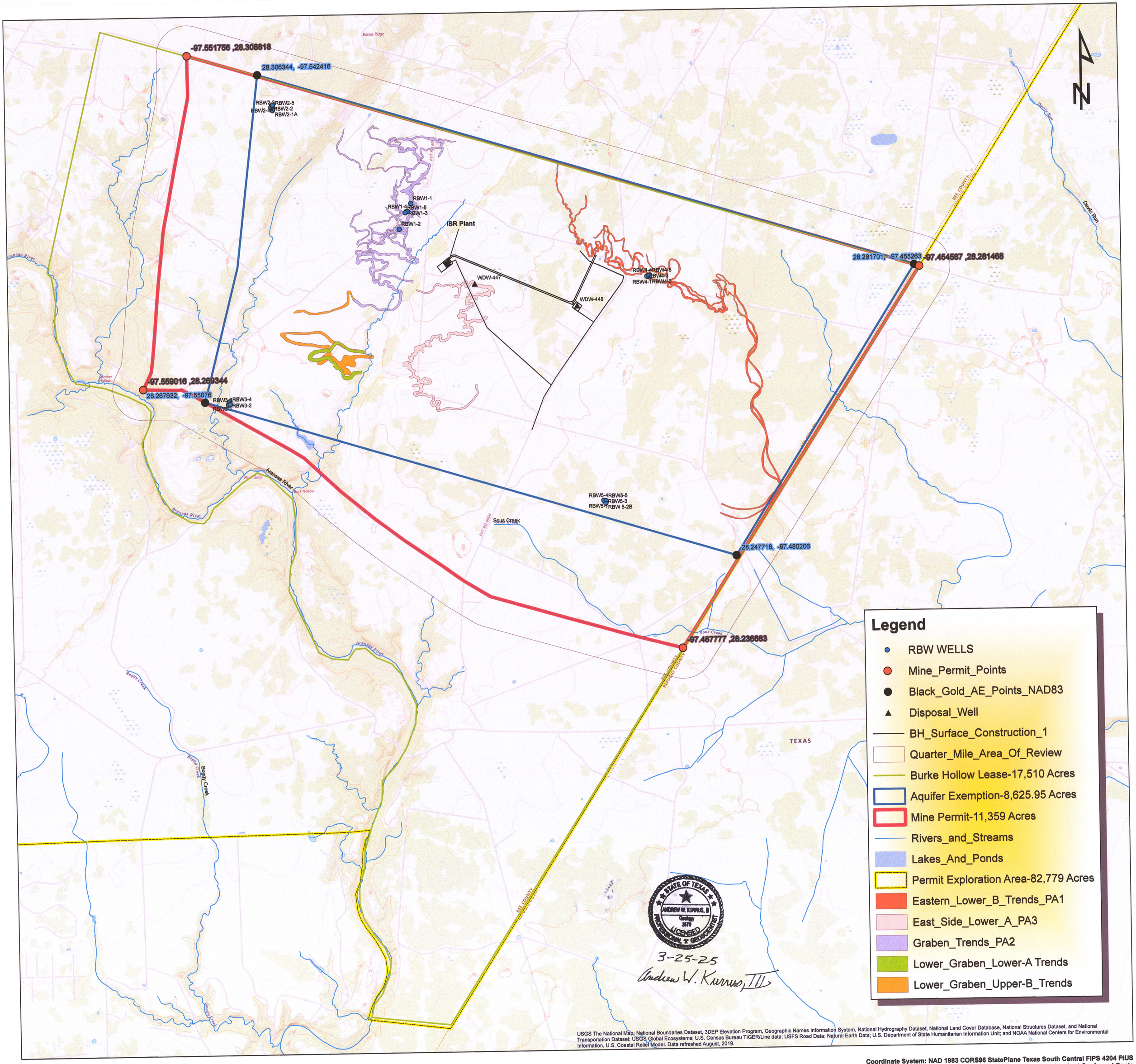
Scale: 1:24,000

0 2,000 4,000 8,000 Feet

Drafting : JP	Date: 10/7/25
Geology: AK/JP/NK	Attachment D Rev 7

STATE OF TEXAS
JOSEPH D. HANCOCK JR
GEOLOGY
15716
LICENSED
PROFESSIONAL GEOSCIENTIST
10/7/2025

Spatial Reference
Name: NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FtUS
PCS: NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FtUS
GCS: GCS NAD 1983 CORS96
Datum: NAD 1983 CORS96
Projection: Lambert Conformal Conic
Central Meridian: -99.0000
Latitude of Origin: 27.8333
Latitude of Center: 0.0000
Longitude of Center: 0.0000
Latitude of 1st: 0.0000
Longitude of 1st: 0.0000
Latitude of 2nd: 0.0000
Longitude of 2nd: 0.0000
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Parallel: 0.0000
Standard Parallel: 28.3833
Standard Parallel 2: 30.2833
Scale Factor: 0.0000
Azimuth: 0.0000
Map Units: Foot US
Authority: Esri
WKID: 103547



Legend

- RBW WELLS
- Mine_Permit_Points
- Black_Gold_AE_Points_NAD83
- Disposal_Well
- BH_Surface_Construction_1
- Quarter_Mile_Area_Of_Review
- Burke Hollow Lease-17,510 Acres
- Aquifer Exemption-8,625.95 Acres
- Mine Permit-11,359 Acres
- Rivers_and_Streams
- Lakes_And_Ponds
- Permit Exploration Area-82,779 Acres
- Eastern_Lower_B_Trends_PA1
- East_Side_Lower_A_PA3
- Graben_Trends_PA2
- Lower_Graben_Lower-A Trends
- Lower_Graben_Upper-B_Trends

STATE OF TEXAS
ANDREW W. KURRUS, III
Geology
2570
LICENSED
PROFESSIONAL GEOSCIENTIST

3-25-25
Andrew W. Kurrus, III

USGS The National Map; National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed August, 2019.

Uranium Energy Corp

Burke Hollow Project

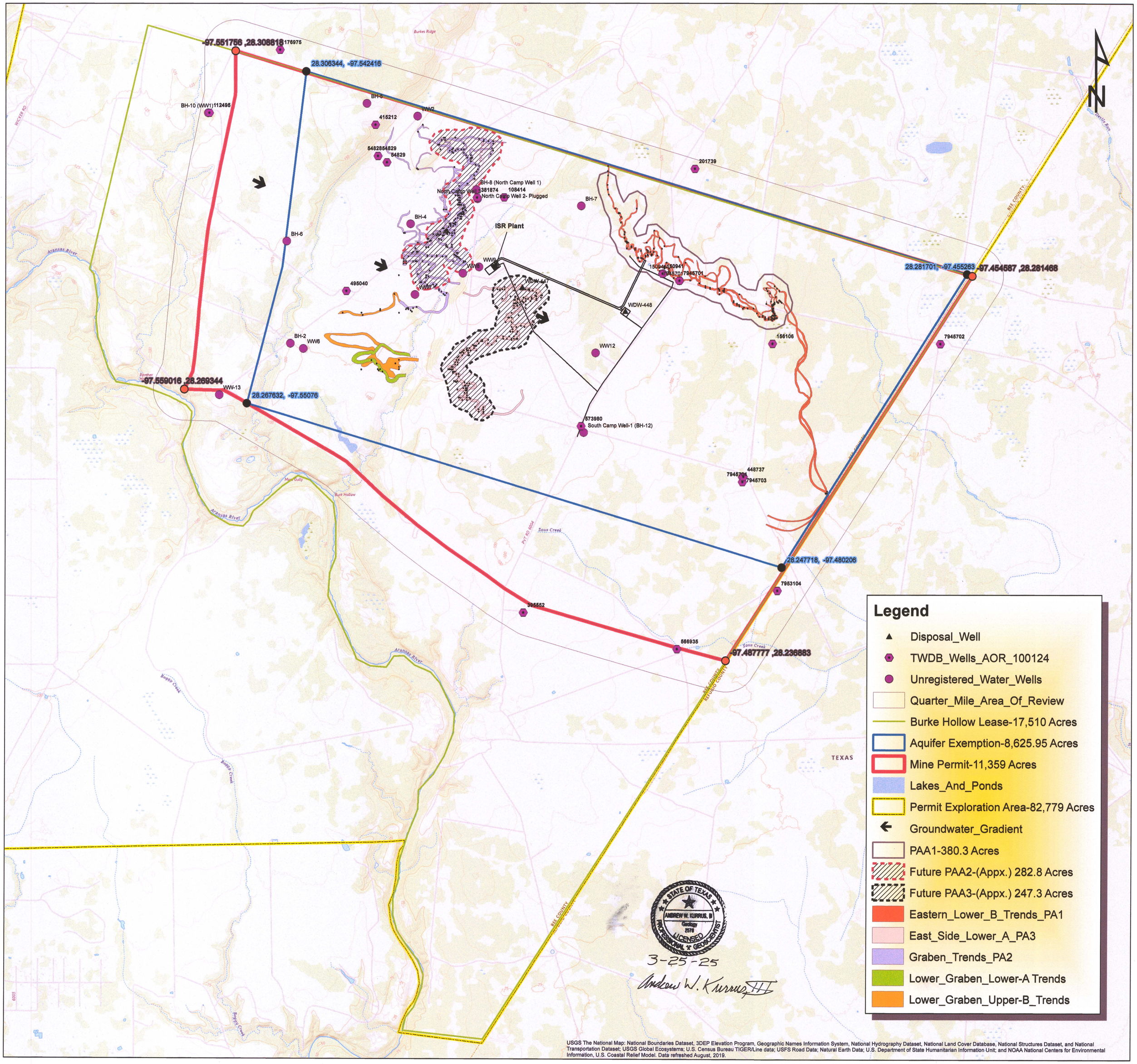
Bee County, Texas

Drafting: JP	Date: 10/3/2024
Geology: AK/NK/JP	Attachment D-1 Rev. 5

1 inch = 2,000 feet

0 1,000 2,000 4,000 6,000 8,000 Feet

Coordinate System: NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FtUS
Projection: Lambert Conformal Conic
Datum: NAD 1983 CORS96
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US



STATE OF TEXAS
ANDREW W. KURRUS, III
Geology
2570
LICENSED
PROFESSIONAL GEOSCIENTIST

3-25-25

Andrew W. Kurrus, III

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed August, 2019.

Uranium Energy Corp

Burke Hollow Project

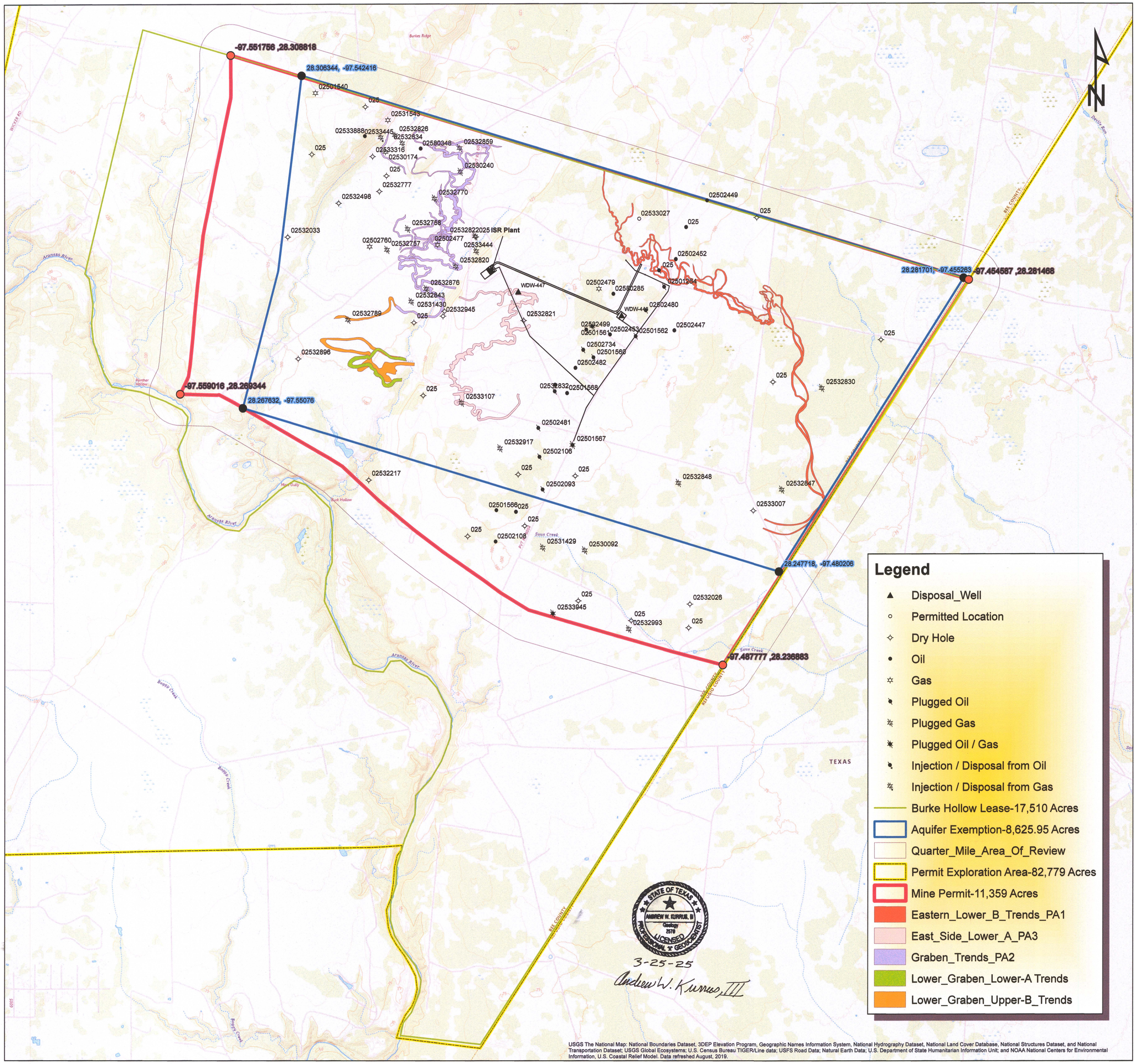
Bee County, Texas

Drafting: JP	Date: 10/3/2024
Geology: AK/NK/JP	Attachment D-2 Rev. 5

1 inch = 2,000 feet

0 1,000 2,000 4,000 6,000 8,000 Feet

Coordinate System: NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FtUS
Projection: Lambert Conformal Conic
Datum: NAD 1983 CORS96
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US



STATE OF TEXAS
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Geology
2578
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PROFESSIONAL GEOSCIENTIST

3-25-25

Andrew W. Kurrus, III

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed August, 2019.

Uranium Energy Corp

Burke Hollow Project Bee County, Texas	
Drafting: JP	Date: 10/3/2024
Geology: AK/NK/JP	Attachment D-3 Rev. 5

1 inch = 2,000 feet

0 1,000 2,000 4,000 6,000 8,000 Feet

Coordinate System: NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FtUS
Projection: Lambert Conformal Conic
Datum: NAD 1983 CORS96
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

Plain-Language Summary

Uranium Energy Corp (UEC) has applied for an amendment to the existing Aquifer Exemption at its permitted project in Bee County, Texas. The Burke Hollow project is in eastern Bee County between Beeville, Refugio and Sinton. It is situated approximately 18 miles southeast of Beeville, 14 miles west of Refugio and approximately 16 miles north of Sinton. The plant and wellfield location are situated approximately 12 miles west of Hwy 77 and is only accessible via private caliche road.

The aquifer exemption amendment requests to expand the total acreage from approximately 5,384 acres to 8,625.95 acres. The amendment also requests to expand the depth interval from -32' below mean sea level (bmsl) to -405' bmsl, to -32' bmsl to -429 bmsl. The expanded aquifer exemption boundary will include all existing and proposed production areas and include all of the existing and proposed production area depths. The existing aquifer exemption and the proposed expanded aquifer exemption meets the criteria for an exemption because the aquifer(s) does not currently serve as a source of drinking water; and it cannot now and will not in the future serve as a source of drinking water because it has been demonstrated by permit application to contain minerals that, considering their quantity and location, are expected to be commercially producible.

The natural uranium recovered from these specific aquifers is transported to an enrichment facility out of state to be enriched into nuclear fuel pellets that power nuclear power plants. In the United States, 20% of electricity comes from nuclear power plants and 50% of the United State's carbon free energy is from nuclear.

The facility will include ion exchange pressure vessel columns, water storage tanks for resin loading, and waste disposal, a filtration system and transfer areas. The facility will also contain an administration building, storage container(s), office trailer(s), operations office trailer, laboratory trailer, chemical storage, CO2 and O2 tank storage, storage yard, temporary byproduct storage area, and employee parking.

In-situ recovery of uranium ore is a non-invasive, cost-effective process that minimizes the environmental impacts of ore extraction. ISR technology was first demonstrated by Atlantic Richfield Company at its Clay West Project near George West, Texas in the 1970s. Since that time, it has been developed into the preferred technology for uranium ore extraction from sandstone-hosted roll-front-type ores. Essentially, the process extracts uranium from porous sandstone aquifers by temporarily reversing the natural processes which deposited the uranium.

Flow rate through the facility can range from 1,000 gpm to 2,000 gpm depending on the number of wellfields in operation and has a license capacity of 1,000,000 lbs./yr. of production. A small percentage of the groundwater, from 1% to 5%, will be removed from circulation and disposed of down a deep disposal well. This disposed fluid is considered Class I non-hazardous liquid waste and is a regulatory requirement to operate. Solid waste associated with wellfield and plant operations is considered byproduct material and is required to be disposed offsite at a licensed facility. Other waste, such as cardboard, plastic, pallets and/or office waste that is not part of the plant or wellfield operations will be sent to a municipal waste facility. There will be no waste disposed of at the facility.

A robust environmental monitoring program will be utilized and defined by the radioactive material license. Air monitoring, groundwater, surface water, soil, vegetation and direct radiation monitoring will occur prior to and during operations. Prior to operations, monitoring is conducted to establish background or natural conditions of the project area. This includes radon, direct radiation in the air, natural contamination concentrations in the groundwater, surface water, sediment, soil and vegetation. During operations, these same locations and parameters will be monitored on a regular basis to ensure contaminants are not exceeding existing background levels.

Since the ion exchange facility piping and wellfield piping that handle the solution are completely closed systems, potential for exposure to Radon-222 is minimal under normal operating conditions, thus no specific control systems for these operations are required or necessary. Airborne particulate emissions during operations are expected to be limited to fugitive dust from vehicle traffic on non-paved roads in and around the project site. Dust particulates will be minimized by restricting speed, watering roads, and keeping the number of vehicles on site to a minimum.

The waste to be injected down the disposal well includes production bleed, plant washdown water, resin wash, RO concentrate, and restoration fluids. The concentrated waste stream includes concentrations of chlorides, alkalinity, iron, uranium, radium that far exceeds natural background conditions. Injection will be at depths between 3,000 and 6,000 ft below surface as this zone represents the most optimal conditions of porosity, permeability, and thickness to safely accept the projected waste volume. Impermeable strata above the disposal zone will effectively separate the injected wastes from overlying aquifers. The disposal well is monitored continuously to ensure it operates as designed and within permitted conditions.

Migration of fluids to overlying aquifers in the wellfield has also been considered so several controls are in place to prevent this from occurring. UEC will plug all exploration holes to prevent commingling of the aquifers and to isolate the mineralized zone. In addition, prior to placing a well in service, a well mechanical integrity test (MIT) will be performed. Additionally, monitor wells completed in the overlying aquifer(s) and underlying aquifers (if present) will be sampled on a semi-monthly basis for the presence of leach solution.

External gamma radiation surveys will be performed routinely at the Burke Hollow project site. Survey locations will be used to characterize the gamma exposure rates at the facility. The required survey frequency will be quarterly in designated radiation areas and semiannually in all other areas of the plant. Surveys will be performed at worker-occupied stations and areas of potential gamma sources such as tanks.

Airborne uranium particulate levels at the Burke Hollow site are anticipated to be very low because the uranium ore stays in solution and is ionically bound to the resin. Pressure and flow rates are monitored in the wellfield to detect spills, which would be the primary cause of contaminants exceeding background levels. The Texas Commission on Environmental Quality will have direct oversight of the project, receive quarterly and annual environmental reports and conduct facility and records inspections to ensure compliance.

Attachment F

Burke Hollow

Surface & Mineral Owners

Revised 07/02/2025

N

WDW 447

WDW 448

Blanconia

Papalote

Bee County
Refugio County

0 1 2 4 6 8 Miles

STATE OF TEXAS
JOSEPH D. HANCOCK JR
GEOLOGY
15716
LICENSED
PROFESSIONAL GEOSCIENTIST
7/14/25

Legend

Mine Permit

Only area with drilling or mining activity

Burke Hollow Tracts

Agricultural/Recreational Use

Adjacent Landowner Tracts

Agricultural/Recreational Use

WDW_Locations

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Attachment F-1 Surface and Mineral Owner List

April 30, 2025
Revised October 8, 2025

BURKE HOLLOW CORPORATION ADJACENT SURFACE AND MINERAL OWNERS

SURFACE OWNERS	Address 1	City, State, Zip Code	TRACT NUMBER(s)
Wicker Family Properties, Ltd	P.O. Box 880	Beeville, TX 78104	1
RCB Milagros Ranch Ltd., Rober Braugh, Jr. Manager	7 Hewitt Dr.	Corpus Christi, TX 78404	2,3,4
Keleigh D. Hughes Sasser Heritage Trust	45 Hewitt Place	Corpus Christi, TX 78404	5,6,7,8
Michael J. & Katie Knight	P.O. Box 50	Mineral, TX 78125	9
Charles K. & Sharon M. Miller	4260 Beacon St.	Corpus Christi, TX 78405	10
Ranch 3 Bar S LC, c/o Nicholas Swyka	2125 Bellmeade St	Houston, TX 77019	11,12,13
J. F. Welder Heirs (Surface Owner)	P O BOX 1159	Victoria, TX 77902	14,15,16,17
O'Driscoll Roche Ltd	P.O. Box 2950	San Antonio, TX 78299	18,19,20,21,22, 23,24,25,26
Kathleen Driscoll-Roche	P.O. Box 2950	San Antonio, TX 78299	18,19,20,21,22, 23,24,25,26
K R Trust, c/o John Schmedemann, Frost National Bank	P.O. Box 1600	San Antonio, TX 78296	18,19,20,21,22, 23,24,25,26
Zorilla-Malone Properties, Ltd	P.O. Box 1045	Refugio, TX 78377	27, 28
Mary Madeline O'Connor Family Non-Exempt Trust	P.O. Box 1398	Victoria, TX 77904	27, 28
Mary Madeline O'Connor Family Exempt Trust	P.O. Box 1398	Victoria, TX 77904	27, 28
Turnbull Land & Cattle,Ltd	401 Grant Pl	Corpus Christi, TX 78401	29,30,31
John J. Carr, Jr.	1915 CR 631	Sinton, TX 78387	29,30,31
Turnbull Land & Cattle,Ltd	401 Grant Pl	Corpus Christi, TX 78401	32
Turnbull Land & Cattle,Ltd	401 Grant Pl	Corpus Christi, TX 78401	33
Kent L. & Jana Lin Kent (Surface Owners)	3837 Denver Ave.	Corpus Christi, TX 78411	34
Bradley Leighton Murphy	510 W. Bailey	Refugio, TX 78377	35
Cecilio & Marcy Rodriguez	142 Kayleti Ln	Sinton, TX 78387	36
Richard Egli	10593 CR 628	Sinton, TX 78387	37
James Howard Bendele	9304 Letcombe	San Antonio, TX 78254	37
Huston & Benifer Broughton	1064 Silver Creek Rd	Sinton, TX 78387	38
Larry & Catherine Teel	1063 Silver Creek Rd	Sinton, TX 78387	39
Marilyn L. Buster	979 Silver Creek Rd.	Sinton, TX 78387	40

Attachment F-1 Surface and Mineral Owner List

Rodney James Duve	P.O. Box 271312	Corpus Christi, TX 78427	41
Phil Howard	P.O. Box 1801	Fulton, TX 78358	42
Rosendo & Laura Arreolo	P.O. Box 7062	Corpus Christi, TX 78467	43
Roche Ranch Properties, Ltd	P.O. Box 749	Corpus Christi, TX 78403	44
Landon & Tracy Ehlinger	5820 Lira Rd.	Manvel, TX 77578	45,46
MINERAL OWNERS	**Address 1**	**City, State, Zip Code**	**TRACT NUMBER**
Breidenbach Family Properties Ltd	P.O. Box 546	Beeville, TX 78104	1
Edward Heard Wicker	P.O. Box 880	Beeville, TX 78104	1
Diana Carrillos de Menddoza Osborne	Paseo del Hontanar N1, Casa 84	28223, Pozuelo de Alarcan, Madrid, Spain	1
Elena Sanchez Osborne	Paseo del Hontanar N1, Casa 84	28223, Pozuelo de Alarcan, Madrid, Spain	1
John Morgan O'Brien, III, and wife, Beau Robin O'Brien	P. O. Box 1052	Refugio, TX 78377	2,3,4
John Morgan O'Brien, IV	P. O. Box 1052	Refugio, TX 78377	2,3,4
T. Partnership I, LLC, J. Wison Toudouze, Manager	14014 Gingerwood	San Antionio, TX 78231	2,3,4
Susan T. Brotherman	229 Jeanette Dr.	San Antonio, TX 78216	2,3,4
Nancy T. Starr	16406 Hillview Pass Dr.	San Antonio, TX 78247	2,3,4
Sally A.Toudouze	3203 Woodcliff	San Antonio, TX 78230	2,3,4
Charles A. Toudouze, Jr.	21370 Toudouze Rd.	San Antonio, TX 78264	2,3,4
Kathleen T.Weirlich	19814 Big Timber	Humble,TX 77346	2,3,4
J.Wilson Toudouze	14014 Gingerwood	San Antonio, TX 78231	2,3,4
Bernice M. Heard	503 Power St.	Refugio, TX 78377	2,3,4
Robert W. Heard	2115 Kenilworth Blvd.	San Antonio, TX 78209	2,3,4
The Anthony Barron Heard Trust, Robert W. Heard, Trustee	2115 Kenilworth Blvd.	San Antonio, TX 78209	2,3,4
The Robert Clinton Heard Trust, Robert Clinton Heard, Trustee	14026 Fairway Hill	San Antonio, TX 78217	2,3,4
The James David Heard Trust, James David Heard, Trustee	414 Prinz	San Antonio, TX 78213	2,3,4
The Kristina Kathleen Dupre Trust, Kristina Kathleen Dupre, Trustee	503 Burnside	San Antonio, TX 78209	2,3,4
Est. of Theodore Walton Gray, C/O James Gray	126 W. Hickory St.	Granite Shoals, TX 78654	2,3,4

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Martha Anne Bauer Family Management, Ltd., Martha a. Bauer, Manager	2343 Country Grace	New Braunfels, TX 78130	2,3,4
T. M. Quigley	4699 Gravel Pit Rd.	Sequin, TX 78155	2,3,4
Est.of F. William Foran, Forrest Eric Foran, Ind. Executor	1801 LaVaca St. Suite 14J	Austin, TX 78701	2,3,4
Lee Ann Mathers Little	59 Eton Green Circle	San Antonio, TX 78257	2,3,4
Robert Randall Mathers, Jr.	5000 Sol Rd.	Brownsville, TX 78520	2,3,4
Jean Marie Mathers Kreuz	10426 SH 149	Longview, TX 75603	2,3,4
Frank E. Mathers	600 Riverside	Brownsville, TX 78520	2,3,4
Neal J. Mathers	5213 Somerset	Brownsville, TX 78520	2,3,4
William B. Mathers	4975 Lakeway Dr	Brownsville, TX 78520	2,3,4
Charles D. Mathers	600 Riverside	Brownsville, TX 78520	2,3,4
Robert Mathers	1263 Turtle Creek Dr.	Brownsville, TX 78520	2,3,4
James Edward Bauer, III	P. O. Box 594	Refugio, TX 78377	2,3,4
Cyrus Christopher Bauer	807 N. Alamo	Refugio, TX 78377	2,3,4
Deborah Ann Bauer	1008 Power St.	Refugio, TX 78377	2,3,4
Clement Joseph Bauer	P. O. Box 184	Refugio, TX 78377	2,3,4
William Karl Bauer	108 River Oaks	Lake Jackson, TX 77566	2,3,4
Claire Elizabeth Bauer Linscomb	P. O. Box 273	Refugio, TX 78377	2,3,4
Kurt Fox Bauer	166 Kelley Road	Refugio, TX 78377	2,3,4
Fox-Bauer Minerals, LLC, Attn: Deborah Bauer, Mgr.	1008 Power St.	Refugio, TX 78377	2,3,4
Est. of Alva Gene Allen, C/O Patti J. Allen	4401 Sue Circle	Corpus Christi, TX 78410	2,3,4
Keleigh D. Hughes Sasser, as Trustee of the Keleigh D. Hughes Sasser Heritage Trust	45 Hewitt Place	Corpus Christi, TX 78404	5,6,7,8
Dan Allen Hughes, Jr., as Trustee of the Dan Allen Hughes, Jr. Heritage Trust	745 E. Mulberry Ste. 100	San Antonio, TX 78212	5,6,7,8
Philip Hilton Hughes, as 2nd Successor Trustee of the William Hilton Hughes Heritage Trust, C/O Keleigh D. Hughes Sasser	P.O. Box 4159	Beeville, TX 78104	5,6,7,8
Mary McCurdy Welder	801 N. Adams	Beeville, TX 78102	9
Josephine Welder Miller	801 N. Adams	Beeville, TX 78102	9
Rebecca Morissette	P.O. Box 941	Groveland, FL 34736	9
Louise Welder Hall	P.O. Box D	Beeville, TX 78104	9

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R.J. Welder Ranch, Ltd	P.O. Box 1609	San Antonio, TX 78205	9
Michael J. Knight	P.O. Box 50	Mineral, TX 78125	9
Katie Knight	P.O. Box 50	Mineral, TX 78125	9
Mary McCurdy Welder	801 N. Adams	Beeville, TX 78102	10
Josephine Welder Miller	801 N. Adams	Beeville, TX 78102	10
Rebecca Morissette	P.O. Box 941	Groveland, FL 34736	10
Louise Welder Hall	P.O. Box D	Beeville, TX 78104	10
R.J. Welder Ranch, Ltd	P.O. Box 1609	Fredericksburg TX 78624	10
Michael J. Knight	P.O. Box 50	Mineral, TX 78125	10
Katie Knight	P.O. Box 50	Mineral, TX 78125	10
Lawrence S. Searcy	1 Glendalough Ct	San Antonio, TX 78209	11,12,13
Catherine Searcy Finn	6 Glenchester Ct	Dallas, TX 75225	11,12,13
Bar 3L LLC, c/o Perry L. Dudden	P.O. Box 2917	Port Aransas, TX 78373	11,12,13
B.H.C.H. Mineral, Ltd	P.O. Box 1817	San Antonio, TX 78296	11,12,13
William Christopher Bush	P.O. Box 1013	Refugio, TX 78377	11,12,13
Catherine S. Finn Revocable Trust	P.O. Box 542645	Dallas, TX 75354	11,12,13
Catherine Searcy Finn Exempt Trust, c/o Northern Trust Co.	P.O. Box 565887	Dallas, TX 75356	11,12,13
Catherine Searcy Finn Non- Exempt Trust, c/o ICG Minerals	P.O. Box 565887	Dallas, TX 75356	11,12,13
Claire Searcy Grassedonio	1400 E. Ocean Drive	Corpus Christi, TX 78404	11,12,13
Claire Searcy Grassedonio Trust, Roy & Claire Grassedonio Trustees	1400 E. Ocean Drive	Corpus Christi, TX 78404	11,12,13
Claire S. Grassedonio Revocable Trust, Roy & Claire Grassedonio Trustees	1400 E. Ocean Drive	Corpus Christi, TX 78404	11,12,13
Hunter Lambert Urrutia Searcy, c/o American Bank N.A. Trustee	P.O. Box 6771	Corpus Christi, TX 78403	11,12,13
Searcy Family Trust, c/o American Bank N.A. Trustee	P.O. Box 6771	Corpus Christi, TX 78403	11,12,13
Lawrence S. Searcy Family Trust	1 Glendalough Ct	San Antonio, TX 78209	11,12,13
Aubrey K. Searcy	1 Glendalough Ct	San Antonio, TX 78209	11,12,13
Ellen Rush	5111 Broadway St.	San Antonio, TX 78209	11,12,13
Tierra Padre Partners, c/o Shannon M. Wood	P.O. Box 1007	Refugio, TX 78377	11,12,13
Roy Grassedonio	1400 E. Ocean Drive	Corpus Christi, TX 78404	11,12,13

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Shannon M. Wood Bush	P.O. Box 1007	Refugio, TX 78377	11,12,13
Bryan Wood Searcy	3219 Leyte St.	San Antonio, TX 78217	11,12,13
Tyson David Searcy, c/o Perry L. Dudden	P.O. Box 2917	Port Aransas, TX 78373	11,12,13
Patrick Lambert Searcy II, c/o Protection Trust	P.O. Box 6771	Corpus Christi, TX 78466	11,12,13
Peter L. J. Wood	P.O. Box 1011	Refugio, TX 78377	11,12,13
Richard L. Wood, Jr	P.O. Box 1007	Refugio, TX 78377	11,12,13
Tobias B. Wood	P.O. Box 1011	Refugio, TX 78377	11,12,13
Lambert -Richard Lambert Wood (Inter-vivos) Trust, c/o Wells Fargo Bank N.A.	615 Upper North Broadway	Corpus Christi,TX 78403	11,12,13
Lambert -Catherine Elizabeth Searcy (Inter-vivos) Trust, c/o Wells Fargo Bank N.A.	615 Upper North Broadway	Corpus Christi,TX 78403	11,12,13
Lambert -James Lawrence Wood (Inter-vivos) Trust, c/o Wells Fargo Bank N.A.	615 Upper North Broadway	Corpus Christi,TX 78403	11,12,13
James Lawrence Wood	P.O. Box 1007	Refugio, TX 78377	11,12,13
Mary Jean Farley Trust	P.O. Box 900	Corpus Christi, TX 78403	11,12,13
Catherine E. Searcy, c/o ICG Minerals	P.O. Box 565887	Dallas, TX 75356	11,12,13
Richard Lambert Wood	P.O. Box 1007	Refugio, TX 78377	11,12,13
Roger F. Welder	2406 Lower Mission Valley Rd.	Victoria, TX 77905	14,15,16,17
Leo J. Welder, Jr.	345 Grant Pl.	Corpus Christi, TX 78411	14,15,16,17
Elizabeth Welder	P O BOX 15153	Austin, TX 78715	14,15,16,17
Bevans C. Welder	8118 Marseille	Corpus Christi, TX 78414	14,15,16,17
William S. Welder	639 E. Ave. B	Port Aransas, TX 78373	14,15,16,17
Lucille Welder Brower Revocable Trust, c/o Lucile W. Beshara, Trustedd	3146 E 58th Pl	Tulsa, OK 74105	14,15,16,17
Leo J. Welder, III	4357 Cuna Dr.	Santa Barbara, CA 93110	14,15,16,17
Kathleen W. Mollow	9 Eldrege St.	Newton, MA 02458	14,15,16,17
Madeline Smith Welder	47 Salem Ave.	Ashville, NC 28804	14,15,16,17
William Callan Welder	1394 South Fork Rd	Marshall, NC 28753	14,15,16,17
Roger F. Welder, Jr.	503 Champion Row	Victoria, TX 77904	14,15,16,17
Philip Portilla Welder	403 Cedar Ridge Dr	Pflugerville, TX 78660	14,15,16,17

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William Hugh Welder	2229 Ward Parkway	Fort Worth, TX 76110	14,15,16,17
W. M. Murphy, III	P.O. Box 1307	Victoria, TX 77902	14,15,16,17
Melita Murphy Worsham	205 Pasadena	Victoria, TX 77904	14,15,16,17
Madeline Murphy Tyng	410 N Vine St.	Victoria, TX 77901	14,15,16,17
Lisa Murphy Bowen	205 E. Wildwood	San Antonio, TX 78212	14,15,16,17
Lisa M. Bowen Mineral Estate Trust, Darrell Cooper Trustee	14101 S Green Hills Loop	Austin, TX 78737	14,15,16,17
Melita M. Worsham Mineral Estate Trust, c/o Jefferson State Bank	1900 Broadway, Ste.900	San Antonio, TX 78215	14,15,16,17
William M. Murphy, III Mineral Estate Trust, c/o Argent Trust Company	725 E Mulberry, Ste 400	San Antonio, TX 78212	14,15,16,17
Madeline Tyng Mineral Estate Trust, c/o First National Bank Port Lavaca	1101 Hwy 35 South Bypass	Port Lavaca, TX 77979	14,15,16,17
W. D. Welder, Jr	8016 SH 111 E	Yoakum. TX 77995	14,15,16,17
Carol J. Welder, c/o W.D.Welder, Agent & AIF	8016 SH 111 E	Yoakum. TX 77995	14,15,16,17
Katie Welder Stewart, c/o W.D.Welder, Agent & AIF	8016 SH 111 E	Yoakum. TX 77995	14,15,16,17
Carmelo Leo Danna III, c/o W.D.Welder, Agent & AIF	8016 SH 111 E	Yoakum. TX 77995	14,15,16,17
William Davis Danna, c/o W.D.Welder, Agent & AIF	8016 SH 111 E	Yoakum. TX 77995	14,15,16,17
Kristen Stewart Frank, c/o W.D.Welder, Agent & AIF	8016 SH 111 E	Yoakum. TX 77995	14,15,16,17
Kara Stewart Trail, c/o W.D.Welder, Agent & AIF	8016 SH 111 E	Yoakum. TX 77995	14,15,16,17
Jennifer Lamsens	2204 Ashland Ave	Ft. Worth, TX 76107	14,15,16,17
Christy Welder	240 E. 82nd St. #7G	New York, NY 10028	14,15,16,17
Rebecca Welder Manley	392 Clinton St. #4	Brooklyn, NY 11231	14,15,16,17
James Welder	107 Sussex Dell Dr	Victoria, TX 77904	14,15,16,17
Diana Welder Ralph	P.O. Box 2592	Rockport, TX 78381	14,15,16,17
Victoria Anne Welder Rev. Trust, Scott D. Welder, Trustee	8016 SH 111 E	Yoakum. TX 77995	14,15,16,17
Victoria Anne Welder Rev. Trust, Brian E. Welder, Trustee	8016 SH 111 E	Yoakum. TX 77995	14,15,16,17
Victoria Anne Welder Rev. Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Scott Davis Welder Revocable Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17

Brian Edward Welder, Revocable Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Leo J. Welder Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
William Smith Welder Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Bevans Callan Welder Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Elizabeth Wood Welder Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Roger Fleming Welder Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Lucile Brower Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Carol J. Welder Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
William Davis Welder Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Scott Welder Revocable Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Brian Welder Revocable Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Victoria Anne Welder Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Katie Stewart Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Madeline Murphy Tyng Dodson Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
William M. Murphy, III Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Melita M. Zafereo Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
Lisa Bowen Trust, c/o J.P. Morgan Chase Bank Tr.	P.O. BOX 565887	Dallas, TX 75356	14,15,16,17
K R Trust, c/o Kathleen Driscoll Roche, Trustee	P.O. Box 2950	San Antonio, TX 78299	18,19,20,21,22, 23,24,25,26
Kathleen Driscoll-Roche Grantor Trust, c/o Frost National Bank	P.O. Box 13929	Arlington, TX 76094	18,19,20,21,22, 23,24,25,26
Kathleen Driscoll Roche, c/o Frost National Bank	P.O. Box 1600	San Antonio, TX 78296	18,19,20,21,22, 23,24,25,26
Cynthia K. Roche Trust, Cynthia K. Roche Trustee c/o John Schmedemann, Frost National Bank	P.O. Box 1600	San Antonio, TX 78296	18,19,20,21,22, 23,24,25,26
Kathleen Driscoll Roche Irrevocable Trust, c/o Frost National Bank	P.O. Box 1600	San Antonio, TX 78296	18,19,20,21,22, 23,24,25,26
Cynthia K. Roche Grantor Trust, c/o Frost National Bank	P.O. Box 1600	San Antonio, TX 78296	18,19,20,21,22, 23,24,25,26

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Diane Roche	601 W. Pleasant St.	Coalinga, CA 93210	18,19,20,21,22, 23,24,25,26
Zorilla-Malone Properties, Ltd	P.O. Box 1045	Refugio, TX 78377	27, 28
Mary Madeline O'Connor Family Non-Exempt Trust	P.O. Box 1398	Victoria, TX 77904	27, 28
Mary Madeline O'Connor Family Exempt Trust	P.O. Box 1398	Victoria, TX 77904	27, 28
Catherine Carr Davis	710 Buffalo, Ste. 211	Corpus Christi, TX 78401	29,30,31
Carr Ranches, Ltd	710 Buffalo, Ste. 211	Corpus Christi, TX 78401	29,30,31
Turnbull Land & Cattle,Ltd	401 Grant Pl	Corpus Christi, TX 78401	29,30,31
John J. Carr, Jr.	1915 CR 631	Sinton, TX 78387	29,30,31
Catherine Carr Davis	710 Buffalo, Ste. 211	Corpus Christi, TX 78401	32
Carr Ranches, Ltd	710 Buffalo, Ste. 211	Corpus Christi, TX 78401	32
Turnbull Land & Cattle,Ltd	401 Grant Pl	Corpus Christi, TX 78401	32
John J. Carr, Jr.	1915 CR 631	Sinton, TX 78387	32
Bradley Leighton Murphy	512 W.Bradley	Refugio, TX 78377	33
Lori J. Murphy Veteto	3237 Founders Dr	Bryan, TX 77807	33
John Mitchell Murphy	P.O.Box 864	Refugio, TX 78377	33
Matthew Michael Murphy	6206 Shadow Mountain Dr	Austin, TX 78731	33
Megan Murphy Laibovitz	6206 Shadow Mountain Dr	Austin, TX 78731	33
Malaise E. Murphy Norfleet	5809 Republic of Texas Blvd.	Austin, TX 78735	33
Richard Michael Murphy	6206 Shadow Mountain Dr	Austin, TX 78731	33
Bradley Leighton Murphy	512 W.Bradley	Refugio, TX 78377	34
Lori J. Murphy Veteto	3237 Founders Dr	Bryan, TX 77807	34
John Mitchell Murphy	P.O.Box 864	Refugio, TX 78377	34
Matthew Michael Murphy	6206 Shadow Mountain Dr	Austin, TX 78731	34
Megan Murphy Laibovitz	6206 Shadow Mountain Dr	Austin, TX 78731	34
Malaise E. Murphy Norfleet	5809 Republic of Texas Blvd.	Austin, TX 78735	34
Richard Michael Murphy	6206 Shadow Mountain Dr	Austin, TX 78731	34
The Beverly Davydiuk Family Trust, c/o Rhenetta Petterson	3105 Green Country Ct	Bedford, TX 76021	35
Jimmy & Mildred Emerson	5209 Congressional Dr	College Station, TX 77845	35
Richard Egli	10593 CR 628	Sinton, TX 78387	35
Joseph Dumenil Revocable Trust	8657 Willow Wind Dr	Boerne, TX 78015	35

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Lindsey Dumenil	126 Surfrider St	San Antonio, TX 78242	35
Jennifer Rebecca (Dumenil) Young	15134 Smarty Jones Dr	Noblesville, IN 46060	35
James Howard Bendele	9304 Letcombe	San Antonio, TX 78254	35
Cynthia Page	27122 Autumn Spg	Boerne, TX 78006	35
Bradley Leighton Murphy	510 W. Bailey	Refugio, TX 78377	35
John Mitchell Murphy	701 W. Fannin St.	Refugio, TX 78377	35
Lori Veteto	3525 Black Oak Dr	Corpus Christi, TX 78418	35
Jimmy & Mildred Emerson	5209 Congressional Dr	College Station, TX 77845	36
Vicki Ruth Bonner	P.O. Box 879	Camp Wood, TX 78833	36
Jimmy & Mildred Emerson	5209 Congressional Dr	College Station, TX 77845	37
Richard Egli	10593 CR 628	Sinton, TX 78387	37
Joseph Dumenil Revocable Trust	8657 Willow Wind Dr	Boerne, TX 78015	37
Lindsey Dumenil	126 Surfrider St	San Antonio, TX 78242	37
Jennifer Rebecca (Dumenil) Young	15134 Smarty Jones Dr	Noblesville, IN 46060	37
James Howard Bendele	9304 Letcombe	San Antonio, TX 78254	37
Cynthia Page	27122 Autumn Spg	Boerne, TX 78006	37
Jimmy & Mildred Emerson	5209 Congressional Dr	College Station, TX 77845	38
Vicki Ruth Bonner	P.O. Box 879	Camp Wood, TX 78833	38
Jimmy & Mildred Emerson	5209 Congressional Dr	College Station, TX 77845	39
Vicki Ruth Bonner	P.O. Box 879	Camp Wood, TX 78833	39
Crow-Western Land Company, John Rippel-Agent	2925 Briarpark #1220	Houston, TX 77042	40
Marilyn L. Buster	979 Silver Creek Rd.	Sinton, TX 78387	40
Katherine Matejka Liggett	98-1140 Kaamilo St.	Aiea, HI 96701	40
Nancy Sheetz	10738 Anita Dr.	Lorton, VA 22079	40
Nancy Sheetz Stone	5212 Heming Ave.	Springfield, VA 22151	40
Roy Anthony Sheetz	5307 Duvall Dr.	Washington, DC 20016	40
Dell Rollins	713 Brock Dr	Corpus Christi, TX 78412	41
Clara Y. Wilson	6946 Aswan Dr	Corpus Christi, TX 78412	41
John R. Yarbrough	4608 Fairmont Ave	Pascagoula, MS 39567	41
Phil Howard	P.O. Box 1801	Fulton, TX 78358	42
Rosendo & Laura Arreolo	P.O. Box 7062	Corpus Christi, TX 78467	43

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Kimberly Marie Fall	923 E. Bluebonnet Dr.	San Marcos, TX 78666	43
Tara Ann Herren	P.O. Box 211	Cost, TX 78614	43
K R Trust, c/o Kathleen Driscoll Roche, Trustee	P.O. Box 2950	San Antonio, TX 78299	44
Kathleen Driscoll-Roche Grantor Trust, c/o Frost National Bank	P.O. Box 13929	Arlington, TX 76094	44
Kathleen Driscoll Roche, c/o Frost National Bank	P.O. Box 1600	San Antonio, TX 78296	44
Cynthia K. Roche Trust, Cynthia K. Roche Trustee c/o John Schmedemann, Frost National Bank	P.O. Box 1600	San Antonio, TX 78296	44
Kathleen Driscoll Roche Irrevocable Trust, c/o Frost National Bank	P.O. Box 1600	San Antonio, TX 78296	44
Cynthia K. Roche Grantor Trust, c/o Frost National Bank	P.O. Box 1600	San Antonio, TX 78296	44
Diane Roche	601 W. Pleasant St.	Coalinga, CA 93210	44
Breidenbach Family Properties Ltd	P.O. Box 546	Beeville, TX 78104	45,46
Edward Heard Wicker	P.O. Box 880	Beeville, TX 78104	45,46
Diana Carrillos de Menddoza Osborne	Paseo del Hontanar N1, Casa 84	28223, Pozuelo de Alarcan, Madrid, Spain	45,46
Elena Sanchez Osborne	Paseo del Hontanar N1, Casa 84	28223, Pozuelo de Alarcan, Madrid, Spain	45,46
Anna Claire Heard Pariseau Trust, Bank of America, Trustee	5500 Preston Rd.	Dallas, TX 75205	45,46

WICKER FAMILY PROPERTIES LTD
PO BOX 880
BEEVILLE TX 78104

RCB MILAGROS RANCH LTD
ROBERT BRAUGH JR MANAGER
7 HEWITT DR
CORPUS CHRSTI TX 78404

KELEIGH D HUGES SASSER
HERITAGE TRUST
45 HEWITT PLACE
CORPUS CHRISTI TX 78404

J F WELDER HEIRS
PO BOX 1159
VICTORIA TX 77902

MICHAEL J & KATIE KNIGHT
PO BOX 50
MINERAL TX 78125

CHARLES K & SHARON M MILLER
4260 BEACON STREET
CORPUS CHRISTI TX 78405

RANCH 3 BARS LP
NICHOLAS SWYKA
2125 BELLMEADE ST
HOUSTON TX 77019

O DRISCOLL ROCHE LTD
PO BOX 2950
SAN ANTONIO TX 78299

KATHLEEN DRISCOLL-ROCHE
PO BOX 2950
SAN ANTONIO TX 78299

KR TRUST C/O JOHN SCHMEDEMANN
FROST NATIONAL BANK
PO BOX 1600
SAN ANTONIO 78296

ZORILLA-MALONE PROPERTIES LTD
PO BOX 1045
REFUGIO TX 78377

MARY MADELINE OCONNOR FAMILY
NON EXEMPT TRUST
PO BOX 1398
VICTORIA TX 77904

TURNBULL LAND & CATTLE LTD
401 GRANT P1
CORPUS CHRISTI TX 78401

JOHN J CARR JR
1915 CR 631
SINTON TX 78387

KENT L & JANA LIN KENT
3837 DENVER AVE
CORPUS CHRISTI TX 78411

BRADLEY LEIGHTON MURPHY
510 W BAILEY
REFUGIO TX 78377

CECILLIO & MARCY RODRIGUEZ
142 KAYLETI LN
SINTON TX 78387

REICHARD EGLI
10593 CR 628
SINTON TX 78387

JAMES HOWARD BENDELE
9304 LETCOMBE
SAN ANTONIO TX 78254

HUSTON & BENIFER BROUGHTON
1064 SILVER CREED RD
SINTON TX 78387

LARRY & CATHERINE TEEL
1063 SILVER CREEK RD
SINTON TX 78387

MARILYN L BUSTER
979 SILVER CREEK RD
SINTON TX 78387

RODNEY JAMES DUVE
PO BOX 271312
CORPUS CHRISTI TX 78427

PHIL HOWARD
PO BOX 1801
FULTON TX 78358

ROSENDO & LAURA ARREOLO
PO BOX 7062
CORPUS CHRISTI TX 78467

ROCHE RANCH PROPERTIES LTD
PO BOX 749
CORPUS CHRISTI TX 78403

LANDON & TRACY EHLINGER
5820 LIRA RD
MANVEL TX 77578

BREIDENBACH FAMILY PROPERTIES LTD
PO BOX 546
BEEVILLE TX 78104

EDWARD HEARD WICKER
PO BOX 880
BEEVILLE TX 78104

DIANA CARRILLOS DE MENDOZA
OSBORNE
PASEO DEL HONTANAR N1 CASA 84
28223 POZUELO DE ALARCAN
MADRID SPAIN

ELENA SANCHEZ OSBORNE
PASEO DEL HONTANAR N1 CASA 84
28223 POZUELO DE ALARCAN
MADRID SPAIN

JOHN MORGAN OBRIEN III & WIFE
BEAU ROBIN OBRIEN
PO BOX 1052
REFUGIO TX 78377

JOHN MORGAN OBRIEN IV
PO BOX 1052
REFUGIO TX 78377

T PARTNERSHIP I LLC
J WILSON TOUDOUZE MANAGER
14014 GINGERWOOD
SAN ANTONIO TX 78231

SUSAN T BROTHERMAN
229 JEANETTE DR
SAN ANTONIO TX 78216

NANCY T STARR
16406 HILLVIE PASS DR
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SALLY A TOUDOZE
3203 WOODCLIFF
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19814 BIG TIMBER
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J WILSON TOUDOUZE
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BERNICE M HEARD
503 POWER ST
REFUGIO TX 78377

ROBERT W HEARD
2115 KENILWORTH BLVD
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ANTHONY BARRON HEARD TRUST
ROBERT W HEARD TRUSTEE
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SAN ANTONIO TX 78209

ROBERT CLINTON HEARD TRUST
ROBERT CLINTON HEARD TRUSTEE
14026 FAIRWAY HILL
SAN ANTONIO TX 78217

THE JAME DAVID HEARD TRUST JAMES
DAVID HEARD TRUSTEE
414 PRINZ
SAN ANTONIO TX 78213

THE KRISTINA KATHLEEN DUPRE TRUST
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2343 COUNTRY GRACE
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CORPUS CHRIST TX 78404

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CATHERINE SEARCY FINN NON EXEMPT TRUST C/O ICG MINERALS
PO BOX 565887
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CLAIRE SEARCY GRASSEDONIO
1400 E OCEAN DRIVE
CORPUS CHRISTI TX 78404

CLAIRE S GRASSEDONIO TRUST ROY & CLAIRE GRASSEDONIO TRUSTEE
1400 E OCEAN DRIVE
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TOBIAS B WOOD
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615 UPPER NORTH BROADWAY
CORPUS CHRSITI TX 78403

LAMBERT CATHERINE ELIZABETH SEARCY TRUST C/O WELLS FARGO
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CORPUS CHRISTI TX 78403

LAMBERT JAMES LAWRENCE WOOD TRUST C/O WELLS FARGO BANK NA
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MADELINE MURPHY TYNG
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VICTORIA TX 77901

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205 E WILDWOOD
SAN ANTONIO TX 78212

LISA M BOWEN MINERAL ESTATE TRUST
14101 S GREEN HIILS LOOP
AUSTIN TX 78212

MELITA M WORSHAM MINERAL ESTATE TRUST
1900 BROADWAY STE 900
SAN ANTONIO TX 78215

WILLIAM M MURPHY III MINERAL ESTATE TRUST
725 E BULBERRY STE 400
SAN ANTONIO TX 78212

MADELINE TYNG MINERAL ESTATE TRUST
1101 HWY 35 SOUTH BYPASS
PORT LAVACA TX 77979

W D WELDER JR
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YOAKUM TX 77995

CAROL J WELDER
8016 SH 111 E
YOAKUM TX 77995

KATIE WELDER STEWART
8016 SH 111 E
YOAKUM TX 77995

CARMELO LEO DANNA III
8016 SH 111 E
YOAKUM TX 77995

WILLIAM DAVIS DANNA
8016 SH 111 E
YOAKUM TX 77995

KRISTEN STEWART FRANK
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YOAKUM TX 77995

KARA STEWART TRAIL
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MELITA M ZAFEREO TRUST C/O JP
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SCHMEDEMANN FROST NATIONAL
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Financial Assurance Requirements

In accordance with 30 TAC 331.142-144 requirements, Uranium Energy Corp. (UEC) has secured and will maintain financial assurance for plugging and abandonment and aquifer restoration at the Burke Hollow project site. The financial assurance mechanism for plugging and abandonment and aquifer restoration meets the requirements of Chapter 37, Subchapter Q of this title. Financial assurance for plugging and abandonment and aquifer restoration have been provided in the amount of the plugging and abandonment and aquifer restoration cost estimate as provided in 331.143 of this title.

An updated annual surety estimate revision will be submitted to the TCEQ each year to adjust the surety instrument amount to reflect existing operations and those planned for construction or operation in the following year. After review and approval of the annual surety estimate revisions by the TCEQ, UEC will revise the surety instrument to reflect the new surety amount.

Well Plugging and Abandonment Procedures and Costs

All production, injection and monitor wells and drill holes will be abandoned in accordance with American Society for Testing and Materials (ASTM) Standard D5299 or other specific TCEQ Rules and Regulations to prevent adverse impacts to groundwater quality or quantity.

Wells will be plugged and abandoned in accordance with the following program.

1. When practicable, all pumps and tubing will be removed from the well.
2. All wells will be plugged from total depth to within 3 feet of the ground's surface with Type I cement.
3. The casing will be cut off at least 2 feet below the ground surface, or as close to the cement plug as possible.
4. The remaining unplugged hole, surface to 3 feet below surface, will be backfilled with native soils, smoothed and leveled to blend with the natural topography.

Actual plugging and abandonment costs for monitor, injection and production wells will be included with each Production Area Authorization (PAA) application. Aquifer restoration cost estimates will also be included in each of the PAA applications for compliance with financial assurance requirements.

UEC's Current List of Surety Bonds:

- Bond N-7005792 for license R06066
- Bond N-7005687 for UR03090 P&A
- Bond N-7005774 for WDW-448 P&A

Table IV-4 Area of Review Wells

Updated:April 2025
Revised Table Number 07/15/2025

TWDB Groundwater Database Wells Inside Proposed Area of Review													
State Well #	Owner	Date Completed	Water Use	Elevation	Well Depth	Water Level (bg)	Water Quality	Aquifer Code	Screened Interval	Latitude	Longitude	Yield	Well Type
7945703	Welder-McCan	7/7/1964	Livestock	83	150	45	NA	112CHCT	NA	28° 15' 30.00"	97° 29' 7.00"	NA	NA
7945701	Welder-McCan	7/7/1964	Livestock	108	150	63.5	NA	112CHCT	NA	28° 16' 53.00"	97° 29' 36.00"	NA	NA
7945704	Welder-McCan	7/7/1964	Livestock	83	150	44.9	NA	112CHCT	NA	28° 15' 28.00"	97° 29' 7.00"	NA	NA
7953104	Welder-McCan		Livestock	78	800	NA	NA	112LGLD	NA	28.244999	-97.480832	NA	Water
7945702	Grace Malone	05/26/1964	Livestock	104	115	NA	NA	121GOLD	NA	28.336944	-97.494721	NA	Water
TWDB Driller's Report Database Wells Inside Proposed Area of Review													
State Well #	Owner	Date Completed	Water Use	Elevation	Well Depth	Water Level (bg)	Water Quality	Aquifer Code	Screened Interval	Latitude	Longitude	Yield	Well Type
54828	Erskine Energy	2/9/2005	Industrial	229	440	130	NA	NA	400-440	28° 17' 47"	97° 31' 59"	45 gpm	PVC
54829	Erskine Energy	2/8/2005	Industrial	229	440	130	NA	NA	235-255, 400-440	28° 17' 47"	97° 31" 59"	45 gpm	PVC
108414 (BH-8)	Aurora Resources Corp	2/22/2007	Industrial	NA	180	71	Sampled	NA	120-180	28° 17' 29"	97° 30' 59"	75 gpm	PVC
112495 (BH-10)	San Patricio Municipal Water	5/18/2007	Industrial	NA	230	60	Sampled	NA	155-175	28° 18' 06"	97° 33' 19"	90 gpm	PVC
150941	Salida Oil and Gas	8/18/2005	Industrial	NA	200	44	NA	NA	70-90, 160-200	28° 16' 56"	97° 29' 44"	75 gpm	PVC
156106	Salida Exploration	6/28/2005	Industrial	NA	240	46	NA	NA	200-240	28° 16' 26"	97° 28' 52"	75 gpm	PVC
176975	Mego Resources, LLC	4/2/2009	Industrial	NA	180	74	NA	NA	100-180	28° 18' 32"	97° 32' 45"	60 gpm	PVC
201739	Mego Resources, LLC	9/29/2009	Industrial	NA	440	65	NA	NA	380-440	28° 17' 40"	97° 29' 28"	100 gpm	PVC
381874	URANIUM ENERGY CORP	10/8/2014	Domestic	NA	140	NA	NA	NA	NA	28.291389	-97.52	NA	NA
381880	JOSEPHINE MILLER	10/9/2014	Domestic	NA	220	NA	NA	NA	NA	28.292778	-97.479444	NA	NA
395552	AURORA RESOURCES CORP	4/7/2015	Rig Supply	NA	180	NA	NA	NA	NA	28.242778	-97.514445	NA	NA
415212	McFaddin Enterprises, LTD	1/20/2016	Livestock	NA	400	NA	NA	NA	NA	28.300042	-97.533342	NA	NA
448737	McFaddin Enterprises	3/29/2017	Livestock	NA	200	NA	NA	NA	NA	28.258361	-97.485167	NA	NA
495040	MCFADDIN ENTERPRISES	8/28/2018	Livestock	NA	160	NA	NA	NA	NA	28.280628	-97.537422	NA	NA
566935	MCFADDIN ENTEPRISES	12/17/2020	Domestic	NA	220	NA	NA	NA	NA	28.238328	-97.494172	NA	NA
573980	FAGEN INC	4/14/2021	Industrial	NA	260	NA	NA	NA	NA	28.264495	-97.506563	NA	NA
Wells Identified and Sampled During Field Investigation													
Well ID	Owner	Sample Date	Water Use	Elevation	Well Depth (bg)	Water Level (bg)	Water Quality	Aquifer Code	Screened Interval	Latitude	Longitude	Yield	Well Type

Table IV-4 Area of Review Wells

BH-1	Thompson-Barrow	4/24/2012	Livestock	NA	NA	55.18'	Sampled	NA	NA	28° 16' 47.76"	97° 31' 41.65"	NA	NA
BH-2	Thompson-Barrow	4/24/2012	Livestock	NA	NA	44.18'	Sampled	NA	NA	28° 16' 29.10'	97° 32' 41.76"	NA	NA
BH-4	Thompson-Barrow	4/24/2012	Livestock	NA	NA	58.55'	Sampled	NA	NA	28° 17' 17.76"	97° 31' 43.48"	NA	NA
BH-5	Thompson-Barrow	4/24/2012	Livestock	NA	NA	99.98'	Sampled	NA	NA	28° 18' 8.59"	97° 32' 3.68"	NA	NA
BH-6	Thompson-Barrow	4/24/2012	Livestock	NA	NA	46.15'	Sampled	NA	NA	28° 17' 11.65"	97° 32' 44.35"	NA	NA
BH-7	Thompson-Barrow	4/25/2012	Livestock	NA	NA	87.95	Sampled	NA	NA	28° 17' 24.72"	97° 30' 21.37"	NA	NA
BH-8	Thompson-Barrow	4/25/2012	Livestock	NA	NA	66.85	Sampled	NA	NA	28° 17' 29.71"	97° 30' 58.92"	NA	NA
BH-9	Thompson-Barrow	4/25/2012	Livestock	NA	NA	NA	Sampled	NA	NA	28° 18' 4.34"	97° 31' 38.73"	NA	NA
BH-10	Thompson-Barrow	04/25/212	Livestock	NA	NA	56.27'	Sampled	NA	NA	28° 18' 5.61"	97° 33' 19.23"	NA	NA
BH-11	Thompson-Barrow	4/25/2013	Livestock	NA	NA	NA	Sampled	NA	NA	28° 16' 22.74"	97° 30' 17.09"	NA	NA
BH-12	Thompson-Barrow	6/13/2013	Livestock & Hunting Camp	NA	NA	NA	Sampled	NA	NA	28° 15' 49.04"	97° 30' 24.50"	NA	NA
South Hunting Camp Well #1	Thompson-Barrow	NA	Livestock & Hunting Camp	NA	150'	80' ToC	NA	NA	80'-120'	28° 15' 49.21"	97° 30' 24.99"	NA	NA
North Hunting Camp Well #1	Thompson-Barrow	NA	Livestock & Hunting Camp	NA	140'	73' ToC	NA	NA	NA	28° 17' 32.12"	97° 31' 12.72"	NA	NA
North Hunting Camp Well #2	Thompson-Barrow	NA	Plugged 05/05/15	NA	181'	71' ToC	NA	NA	138'-169'	28° 17' 28.18"	97° 31' 12.56"	NA	NA
North Hunting Camp Well #3	Thompson-Barrow	NA	Hunting Camp	NA	140'	NA	NA	NA	120'-140'	28° 17' 28.94"	97° 31' 12.00"	NA	NA
BH WW8	Thompson-Barrow	NA	Livestock	NA	270'	NA	NA	NA	NA	28° 16' 59.15"	97° 31' 18.60"	NA	NA
BH WW9	Thompson-Barrow	NA	Livestock	NA	270'	NA	NA	NA	NA	28° 17' 0.17"	97° 31' 11.45"	NA	NA

bg-below grade
NA-Not Available
Elevations and depths are in feet
ToC-Top of Casing

TABLE V-1 : FLUID HANDLING CAPACITY VS. REQUIREMENTS Revised: July 15, 2025	**Jan-25**	**Feb-25**	**Mar-25**	**Apr-25**	**May-25**	**Jun-25**	**Jul-25**	**Aug-25**	**Sep-25**	**Oct-25**	**Nov-25**	**Dec-25**
Production Area 1												
Average Flow (gpm)	0	0	0	0	0	0	0	0	0	1500	2000	2500
Restoration (gpm)												
Production Area 2												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	0	0	0	0	0	0	0	0	0	1500	2000	2500
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	0	0	0	0	0	0	0	0	0	670	864	1116
Bleed (gpm)	0	0	0	0	0	0	0	0	0	15	20	25
Restoration												
Restoration Capacity (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate to R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.9	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	33.5	33.3	37.9	33.4	38.7	39.8	41.1	38.6	44.2	714.1	900.2	1149.1
Total Operating Disposal Rate (gpm)	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	16.0	20.8	25.7
Net Excess Disposal Cap (kgal)	8727	8727	8722	8727	8721	8720	8719	8721	8716	8046	7860	7611
Net Excess Disposal Cap (gpm)	199	199	199	199	199	199	199	199	199	184	179	174
Available for Emerg.(kgal)	8727	8727	8722	8727	8721	8720	8719	8721	8716	8046	7860	7611
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING CAPACITY VS. REQUIREMENTS

Revised: July 10, 2025

2026

Mine Plan:	**Jan-26**	**Feb-26**	**Mar-26**	**Apr-26**	**May-26**	**Jun-26**	**Jul-26**	**Aug-26**	**Sep-26**	**Oct-26**	**Nov-26**	**Dec-26**
Production Area 1												
Average Flow (gpm)	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750
Restoration (gpm)												
Production Area 2												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	1674	1512	1674	1620	1674	1620	1674	1674	1620	1674	1620	1674
Bleed (gpm)	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
Restoration												
Restoration Capacity (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate to R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.2	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	1707	1544.5	1711.9	1653.4	1712.7	1659.8	1715.1	1712.6	1664.2	1718.5	1656.2	1707.1
Total Operating Disposal Rate (gpm)	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.5	38.5	38.3	38.2
Net Excess Disposal Cap (kgal)	7053	7215	7048	7107	7047	7100	7045	7047	7096	7041	7104	7053
Net Excess Disposal Cap (gpm)	162	162	162	162	162	162	162	162	161	162	162	162
Available for Emerg.(kgal)	7053	7215	7048	7107	7047	7100	7045	7047	7096	7041	7104	7053
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING
CAPACITY VS. REQUIREMENTS

Revised: July 10, 2025	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	2027 Dec-27
Mine Plan:												
Production Area 1												
Average Flow (gpm)	3250	3000	3000	2750	2750	2250	2250					
Restoration (gpm)								600	600	600	600	600
Production Area 2												
Average Flow (gpm)	500	750	750	1000	1000	1500	1500	2500	2500	2650	2650	3150
Restoration (gpm)												
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	3750	3750	3750	3750	3750	3750	3750	3100	3100	3250	3250	3750
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	1674	1512	1674	1620	1674	1620	1674	1116	1080	1183	1145	1406
Bleed (gpm)	37.5	37.5	37.5	37.5	37.5	37.5	37.5	25	25	26.5	26.5	31.5
Restoration												
Restoration Capacity (kgal/month)	0	0	0	0	0	0	0	26784	25920	26784	25920	26784
Restoration Flow Rate (gpm)	0	0	0	0	0	0	0	600	600	600	600	600
Restoration Flow Rate to R.O. (gpm)	0	0	0	0	0	0	0	300	300	300	300	300
Bleed from R.O. (kgal/month)	0	0	0	0	0	0	0	3348	3240	3348	3240	3348
Bleed from R.O. (gpm)	0	0	0	0	0	0	0	75	75	75	75	75
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.2	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	1707	1544.5	1711.9	1653.4	1712.7	1659.8	1715.1	4502.6	4364.2	4575.5	4421.0	4787.2
Total Operating Disposal Rate (gpm)	38.3	38.3	38.3	38.3	38.4	38.4	38.4	100.9	101.0	102.5	102.3	107.2
Net Excess Disposal Cap (kgal)	7053	7215	7048	7107	7047	7100	7045	4257	4396	4185	4339	3973
Net Excess Disposal Cap (gpm)	162	162	162	162	162	162	162	99	99	98	98	93
Available for Emerg.(kgal)	7053	7215	7048	7107	7047	7100	7045	4257	4396	4185	4339	3973
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING
CAPACITY VS. REQUIREMENTS

Revised: July 10, 2025	Jan-28	Feb-28	Mar-28	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	2028 Dec-28
Mine Plan:												
Production Area 1												
Average Flow (gpm)												
Restoration (gpm)	600	600	600	600	600	600	600	600	600	600	600	600
Production Area 2												
Average Flow (gpm)	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150
Restoration (gpm)												
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	1674	1512	1674	1620	1674	1620	1674	1406	1361	1406	1361	1406
Bleed (gpm)	37.5	37.5	37.5	37.5	37.5	37.5	37.5	31.5	31.5	31.5	31.5	31.5
Restoration												
Restoration Capacity (kgal/month)	0	0	0	0	0	0	0	26784	25920	26784	25920	26784
Restoration Flow Rate (gpm)	0	0	0	0	0	0	0	600	600	600	600	600
Restoration Flow Rate to R.O. (gpm)	0	0	0	0	0	0	0	300	300	300	300	300
Bleed from R.O. (kgal/month)	0	0	0	0	0	0	0	3348	3240	3348	3240	3348
Bleed from R.O. (gpm)	0	0	0	0	0	0	0	75	75	75	75	75
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.2	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	1707	1544.5	1711.9	1653.4	1712.7	1659.8	1715.1	4792.8	4645.0	4798.7	4637.0	4787.2
Total Operating Disposal Rate (gpm)	38.3	38.3	38.3	38.3	38.4	38.4	38.4	107.4	107.5	107.5	107.3	107.2
Net Excess Disposal Cap (kgal)	7053	7215	7048	7107	7047	7100	7045	3967	4115	3961	4123	3973
Net Excess Disposal Cap (gpm)	162	162	162	162	162	162	162	93	92	93	93	93
Available for Emerg.(kgal)	7053	7215	7048	7107	7047	7100	7045	3967	4115	3961	4123	3973
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING
CAPACITY VS. REQUIREMENTS

Revised: July 10, 2025	Jan-29	Feb-29	Mar-29	Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	2029 Dec-29
Mine Plan:												
Production Area 1												
Average Flow (gpm)												
Restoration (gpm)	600	600	600	600	600	600	600					
Production Area 2												
Average Flow (gpm)	3150	3150	3150	3150	3150	3150	3150	3250	3250	2750	2250	2250
Restoration (gpm)												
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	3750	3750	3750	3750	3750	3750	3750	3250	3250	2750	2250	2250
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	1406	1315	1406	1361	1406	1361	1406	1183	1145	960	713	737
Bleed (gpm)	31.5	31.5	31.5	31.5	31.5	31.5	31.5	26.5	26.5	21.5	16.5	16.5
Restoration												
Restoration Capacity (kgal/month)	26784	25056	26784	25920	26784	25920	26784	26784	25920	26784	25920	26784
Restoration Flow Rate (gpm)	600	600	600	600	600	600	600	600	600	600	600	600
Restoration Flow Rate to R.O. (gpm)	300	300	300	300	300	300	300	300	300	300	300	300
Bleed from R.O. (kgal/month)	3348	3132	3348	3240	3348	3240	3348	3348	3240	3348	3240	3348
Bleed from R.O. (gpm)	75	75	75	75	75	75	75	75	75	75	75	75
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.9	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	4787.7	4480.7	4792.0	4634.2	4792.9	4640.6	4795.3	4569.6	4429.0	4352.3	3989.0	4117.6
Total Operating Disposal Rate (gpm)	107.3	107.3	107.3	107.3	107.4	107.4	107.4	102.4	102.5	97.5	92.3	92.2
Net Excess Disposal Cap (kgal)	3972	4279	3968	4126	3967	4119	3965	4190	4331	4408	4771	4642
Net Excess Disposal Cap (gpm)	93	93	93	93	93	93	93	98	97	103	108	108
Available for Emerg.(kgal)	3972	4279	3968	4126	3967	4119	3965	4190	4331	4408	4771	4642
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING
CAPACITY VS. REQUIREMENTS

Revised: July 10, 2025	Jan-30	Feb-30	Mar-30	Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	2030 Dec-30
Mine Plan:												
Production Area 1												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 2												
Average Flow (gpm)												
Restoration (gpm)	600	600	600	600	600	600	600	600	600	600	600	600
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	600	600	600	600	600	600	600	600	600	600	600	600
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration												
Restoration Capacity (kgal/month)	26784	24192	26784	25920	26784	25920	26784	26784	25920	26784	25920	26784
Restoration Flow Rate (gpm)	600	600	600	600	600	600	600	600	600	600	600	600
Restoration Flow Rate to R.O. (gpm)	300	300	300	300	300	300	300	300	300	300	300	300
Bleed from R.O. (kgal/month)	3348	3024	3348	3240	3348	3240	3348	3348	3240	3348	3240	3348
Bleed from R.O. (gpm)	75	75	75	75	75	75	75	75	75	75	75	75
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.2	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	3381	3056.5	3385.9	3273.4	3386.7	3279.8	3389.1	3386.6	3284.2	3392.5	3276.2	3381.1
Total Operating Disposal Rate (gpm)	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.0	75.8	75.7
Net Excess Disposal Cap (kgal)	5379	5703	5374	5487	5373	5480	5371	5373	5476	5367	5484	5379
Net Excess Disposal Cap (gpm)	124	124	124	124	124	124	124	124	124	124	124	124
Available for Emerg.(kgal)	5379	5703	5374	5487	5373	5480	5371	5373	5476	5367	5484	5379
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING
CAPACITY VS. REQUIREMENTS

Revised: July 10, 2025	Jan-31	Feb-31	Mar-31	Apr-31	May-31	Jun-31	Jul-31	Aug-31	Sep-31	Oct-31	Nov-31	2031 Dec-31
Mine Plan:												
Production Area 1												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 2												
Average Flow (gpm)												
Restoration (gpm)	600	600	600	600	600	600	600	600	600	600	600	600
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	600	600	600	600	600	600	600	600	600	600	600	600
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration												
Restoration Capacity (kgal/month)	26784	24192	26784	25920	26784	25920	26784	26784	25920	26784	25920	26784
Restoration Flow Rate (gpm)	600	600	600	600	600	600	600	600	600	600	600	600
Restoration Flow Rate to R.O. (gpm)	300	300	300	300	300	300	300	300	300	300	300	300
Bleed from R.O. (kgal/month)	3348	3024	3348	3240	3348	3240	3348	3348	3240	3348	3240	3348
Bleed from R.O. (gpm)	75	75	75	75	75	75	75	75	75	75	75	75
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.2	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	3381.5	3056.5	3385.9	3273.4	3386.7	3279.8	3389.1	3386.6	3284.2	3392.5	3276.2	3381.1
Total Operating Disposal Rate (gpm)	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.0	75.8	75.7
Net Excess Disposal Cap (kgal)	5379	5703	5374	5487	5373	5480	5371	5373	5476	5367	5484	5379
Net Excess Disposal Cap (gpm)	124	124	124	124	124	124	124	124	124	124	124	124
Available for Emerg.(kgal)	5379	5703	5374	5487	5373	5480	5371	5373	5476	5367	5484	5379
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING
CAPACITY VS. REQUIREMENTS

Revised: July 10, 2025	Jan-32	Feb-32	Mar-32	Apr-32	May-32	Jun-32	Jul-32	Aug-32	Sep-32	Oct-32	Nov-32	2032 Dec-32
Mine Plan:												
Production Area 1												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 2												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration												
Restoration Capacity (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate to R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.2	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	33.5	32.5	37.9	33.4	38.7	39.8	41.1	38.6	44.2	44.5	36.2	33.1
Total Operating Disposal Rate (gpm)	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.8	0.7
Net Excess Disposal Cap (kgal)	8727	8727	8722	8727	8721	8720	8719	8721	8716	8715	8724	8727
Net Excess Disposal Cap (gpm)	199	199	199	199	199	199	199	199	199	199	199	199
Available for Emerg.(kgal)	8727	8727	8722	8727	8721	8720	8719	8721	8716	8715	8724	8727
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING
CAPACITY VS. REQUIREMENTS

Revised: July 10, 2025	Jan-33	Feb-33	Mar-33	Apr-33	May-33	Jun-33	Jul-33	Aug-33	Sep-33	Oct-33	Nov-33	2033 Dec-33
Mine Plan:												
Production Area 1												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 2												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration												
Restoration Capacity (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate to R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.2	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	33.5	32.5	37.9	33.4	38.7	39.8	41.1	38.6	44.2	44.5	36.2	33.1
Total Operating Disposal Rate (gpm)	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.8	0.7
Net Excess Disposal Cap (kgal)	8727	8727	8722	8727	8721	8720	8719	8721	8716	8715	8724	8727
Net Excess Disposal Cap (gpm)	199	199	199	199	199	199	199	199	199	199	199	199
Available for Emerg.(kgal)	8727	8727	8722	8727	8721	8720	8719	8721	8716	8715	8724	8727
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING
CAPACITY VS. REQUIREMENTS

2034

Revised: July 10, 2025	Jan-34	Feb-34	Mar-34	Apr-34	May-34	Jun-34	Jul-34	Aug-34	Sep-34	Oct-34	Nov-34	Dec-34
Mine Plan:												
Production Area 1												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 2												
Average Flow (gpm)												
Restoration (gpm)												
Production Area 3 (TBA)												
Average Flow (gpm)												
Restoration (gpm)												
Total Production (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Permited Disposal Capacity												
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
Production Bleed												
Bleed (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration												
Restoration Capacity (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Restoration Flow Rate to R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (kgal/month)	0	0	0	0	0	0	0	0	0	0	0	0
Bleed from R.O. (gpm)	0	0	0	0	0	0	0	0	0	0	0	0
Rain, Direct (kgal)	0	0	0	0	0	0	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0	18.6	16.1	22.4	22.0	14.4	10.6
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.2
Plant Wastes (kgal/month)	22.3	20.2	22.3	21.6	22.3	21.6	22.3	22.3	21.6	22.3	21.6	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	33.5	32.5	37.9	33.4	38.7	39.8	41.1	38.6	44.2	44.5	36.2	33.1
Total Operating Disposal Rate (gpm)	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.8	0.7
Net Excess Disposal Cap (kgal)	8727	8727	8722	8727	8721	8720	8719	8721	8716	8715	8724	8727
Net Excess Disposal Cap (gpm)	199	199	199	199	199	199	199	199	199	199	199	199
Available for Emerg.(kgal)	8727	8727	8722	8727	8721	8720	8719	8721	8716	8715	8724	8727
Emerg. Requirements												
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42	42	42	42	42	42	42

TABLE V-1 : FLUID HANDLING
CAPACITY VS. REQUIREMENTS 2035

Revised: July 10, 2025

Mine Plan:	**Jan-35**	**Feb-35**	**Mar-35**	**Apr-35**	**May-35**	**Jun-35**
Production Area 1						
Average Flow (gpm)						
Restoration (gpm)						
Production Area 2						
Average Flow (gpm)						
Restoration (gpm)						
Production Area 3 (TBA)						
Average Flow (gpm)						
Restoration (gpm)						
Total Production (gpm)	0	0	0	0	0	0
Permited Disposal Capacity						
Max Disp. Capacity (kgal/month)	8760	8760	8760	8760	8760	8760
Max Disp. Flow Rate (gpm)	200	200	200	200	200	200
Evaporation (no pond)	0	0	0	0	0	0
Total	8760	8760	8760	8760	8760	8760
Production Bleed						
Bleed (kgal/month)	0	0	0	0	0	0
Bleed (gpm)	0	0	0	0	0	0
Restoration						
Restoration Capacity (kgal/month)	0	0	0	0	0	0
Restoration Flow Rate (gpm)	0	0	0	0	0	0
Restoration Flow Rate to R.O. (gpm)	0	0	0	0	0	0
Bleed from R.O. (kgal/month)	0	0	0	0	0	0
Bleed from R.O. (gpm)	0	0	0	0	0	0
Rain, Direct (kgal)	0	0	0	0	0	0
Rain Indirect (kgal/month)	11.0	12.2	15.4	11.6	16.2	18.0
Rain GPM	0.2	0.3	0.3	0.3	0.4	0.4
Plant Wastes (kgal/month)	22.3	22.3	22.3	22.3	22.3	22.3
Plant Wastes (gpm)	0.5	0.5	0.5	0.5	0.5	0.5
Lab Wastes (kgal/month)	0.2	0.2	0.2	0.2	0.2	0.2
Lab Wastes (gpm)	0.005	0.005	0.005	0.005	0.005	0.005
Total Operating Disposal Capacity (kgal/mont	33.5	34.7	37.9	34.1	38.7	40.5
Total Operating Disposal Rate (gpm)	0.8	0.8	0.8	0.8	0.9	0.9
Net Excess Disposal Cap (kgal)	8727	8725	8722	8726	8721	8720
Net Excess Disposal Cap (gpm)	199	199	199	199	199	199
Available for Emerg.(kgal)	8727	8725	8722	8726	8721	8720
Emerg. Requirements						
25yr., 24 hr. rain (kgal)	42	42	42	42	42	42

Table VI-1 - Mine Plan Schedule
Burke Hollow Project
Revised July 15, 2025

Revised Table Number Only 07/15/2025

	2025				2026				2027				2028				2029				2030				2031				2032				2033			
	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.
PAA-1																																				
Production																																				
Restoration																																				
Stabilization																																				
PAA-2																																				
Production																																				
Restoration																																				
Stabilization																																				
PAA-3																																				
Production																																				
Restoration																																				
Stabilization																																				

	2034				2035				2036				2037				2038				2039				2040				2041				2041			
	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.	1st Qt.	2nd Qt.	3rd Qt.	4th Qt.
PAA-1																																				
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Stabilization																																				
PAA-2																																				
Production																																				
Restoration																																				
Stabilization																																				
PAA-3																																				
Production																																				
Restoration																																				
Stabilization																																				

Table IX-1 Groundwater Analytical Data

Revised July 10, 2025

Well	Zone	Screen Interval	Arsenic (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)
RBW1-5	Overlying Sand	122-142	*0.0139	U	135	U	0.0014	37.8	0.059
RBW2-5	Overlying Sand	142-162	*0.0248	U	70.9	U	0.0011	20	0.011
RBW3-4	Overlying Sand	122-152	*0.0182	U	143	0.03	U	45	U
RBW4-5	Overlying Sand	167-187	0.0055	U	58.2	U	U	16.1	U
RBW5-5	Overlying Sand	127-142	*0.0137	U	126	0.04	0.0028	40.2	0.022
RBW1-1	180' Sand	185-205	*0.1422	0.0004	34.8	U	U	1.1	U
RBW5-3	180' Sand	202-222	*0.025	U	70.2	0.05	0.0005	21.3	0.021
RBW4-3	180'-220' Sand	212-227	0.0083	U	50.3	U	U	14.6	0.009
RBW2-3	180'-240' Sand	212-237	0.0071	U	25.2	U	U	10.7	0.035
BH 148.0-386	180' Sand		0.0132	U	49	U	U	13.4	U
BH 149-356	180' Sand		0.053	U	49.7	U	U	14.1	U
BH 148.6-339.9	180' Sand		0.0262	0.0001	15.3	U	U	0.6	U
BH 157.7-376	*180' Sand*		0.1362	0.0002	19	0.03	U	3.7	U
BH 163.5-385.5	*180' Sand*		0.203	0.0004	22.9	0.02	U	1.5	U
BH 143.2-360	*180' Sand*		0.0289	U	48	U	U	11.5	U
RBW1-4	240' Sand	232-262	*0.0139	U	29.7	U	U	10.6	U
RBW3-3	240' Sand	232-262	*0.0135	U	55.5	U	U	20.1	U
RBW5-4	240' Sand	247-267	*0.1901	U	34.7	U	U	1.9	U
RBW4-4	240'-300' Sand	272-292	0.0092	U	48.9	U	U	17.5	0.038
RBW2-4A	300' Sand	292-302	NA	NA	NA	NA	NA	NA	NA
RBW1-2	370' Sand	360-380	0.266	0.0006	11.8	0.07	0.0011	U	U
RBW2-2	370' Sand	342-367	0.025	0.0001	48.4	U	0.0089	16	0.018
RBW3-2	370' Sand	302-332	0.0222	U	23.3	U	U	3.5	U
RBW4-2	370' Sand	385-395	0.0033	U	36.4	U	U	10.4	0.009
RBW5-2B	370' Sand	400-410	*0.0149	U	14.6	U	U	1.6	U
RBW1-3	Underlying Sand	412-442	0.0012	U	13.9	U	0.0002	4.1	0.013
RBW2-1A	Underlying Sand	432-442	NA	NA	NA	NA	NA	NA	NA
RBW3-1	Underlying Sand	387-417	0.0057	U	19.5	0.07	U	9.3	U
RBW4-1	Underlying Sand	422-442	NA	NA	NA	NA	NA	NA	NA
RBW5-1	Underlying Sand	492-517	*0.0346	U	9.1	U	0.0004	2.7	U

NA *Well did not make enough water to collect a sample*

***** Analysis exceeds EPA primary drinking water standards

Table IX-1 Groundwater Analytical Data

Revised July 10, 2025

Mercury (mg/L)	Molybdenum (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silica (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Radium 226 (pCi/L)	Bicarbonate as CaCO3 (mg/L)	Carbonate as CaCO3 (mg/L)	Cation-Anion Balance %
U	U	7.1	0.0022	62.4	177	0.0041	0.13	265	U	-0.6
U	U	8.6	0.0031	37.4	235	0.0072	0.58	304	13	-0.9
U	U	4.3	0.0032	53.3	146	0.0043	0.39	231	U	-0.3
U	U	7.4	U	25.2	175	0.0021	0.29	253	U	-2.8
U	U	6.2	0.0037	46.7	314	0.0054	0.45	269	U	-2.3
U	3.99	7.1	0.0028	34.1	204	*0.52	*59	U	85	5.8
U	U	5.2	0.0002	33.1	264	*0.0318	0.34	275	U	-3.4
U	U	4.9	U	24	194	0.0011	0.38	264	9	-0.4
U	U	3.1	U	20.4	166	0.0001	0.16	256	11	-5
U	0.04	8.6	U	27.5	201	0.1736	96	312	U	4
U	0.09	4.3	0.0001	29.9	216	0.1472	130	322	U	-3.7
U	1.9	11.5	U	25.7	240	1.35	94	122	51	-4
U	2.27	7.1	0.0355	21.4	194	0.9036	28	125	37	-4.8
U	7.89	17.4	0.0743	28.5	201	0.1973	5.7	20	119	0
U	0.07	6.3	0.0076	30.9	223	0.2894	18	214	66	-3.7
U	U	4.6	U	21.8	220	0.006	1	271	8	0.4
U	U	4.4	0.0025	29.4	227	0.007	0.12	258	U	0.3
U	0.03	21.5	0.0004	29.7	238	0.0082	0.55	U	81	4
U	U	5.1	U	24.1	199	0.0056	0.31	261	9	-1.5
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
U	4.3	3.7	0.0005	19.9	253	*0.1604	*12	164	64	-1.7
U	U	7	0.0021	34.9	195	0.006	0.1	298	U	-4.2
U	0.28	6.9	0.0002	21.4	190	*0.24	3.9	160	20	3.1
U	0.06	8.1	0.0001	32.8	181	*0.1734	*160	255	U	0
U	U	8.3	U	22.4	262	0.0017	-0.08	264	42	2.9
U	U	3.4	U	15.3	297	0.0017	1.1	203	15	-1.4
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
U	0.04	6.4	0.0002	18.6	196	0.0022	4.2	227	20	0.5
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
U	U	4.6	0.0001	14.2	239	0.0007	-0.22	123	26	-4.2

Table IX-1 Groundwater Analytical Data

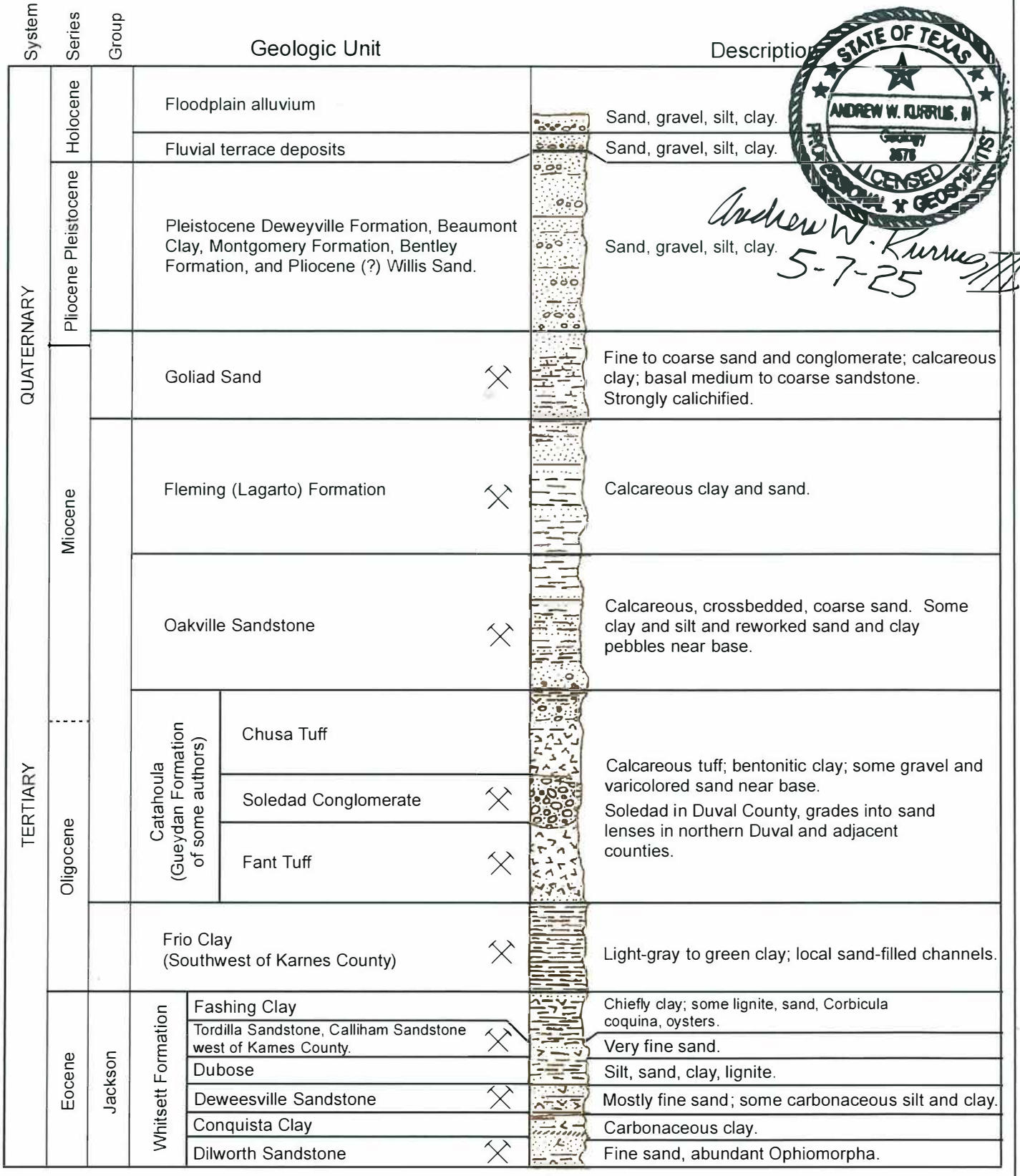
Revised July 10, 2025

Chloride (mg/L)	Conductivity @25C (umhos/cm)	Fluoride (mg/L)	Hydroxide as CaCO3 (mg/L)	Nitrate as N (mg/L)	Nitrate/Nitrite as N (mg/L)	Nitrite as N (mg/L)	Nitrogen, ammonia (mg/L)	pH units	pH measured at C	TDS (mg/L)
410	1810	0.5	U	0.44	0.44	U	U	8	18	1060
270	1600	0.7	U	U	U	U	0.13	8.3	23	880
410	1780	0.5	U	0.88	0.88	U	U	7.9	19	1140
230	1260	0.7	U	U	U	U	U	8.2	18	690
600	2530	0.3	U	0.46	0.46	U	U	8	19	1410
200	1100	1.7	8	0.06	0.06	U	0.34	10.4	18	610
370	1790	0.7	U	U	U	U	U	8.2	19	1000
180	1260	0.6	U	U	U	U	U	8.3	19	710
140	1080	0.5	U	0.05	0.05	U	U	8.3	21	610
190	1310	0.7	U	U	U	U	U	8.1	21	740
200	1390	0.8	U	U	U	U	U	8.1	21	780
220	1320	1.5	U	U	U	U	0.15	9.3	22	760
200	1130	1.2	U	0.04	0.05	0.01	U	9.3	21	639
200	1150	1.4	U	0.04	0.04	U	0.07	10.2	21	654
250	1430	0.7	U	0.06	0.06	U	U	9.4	21	825
170	1210	0.8	U	U	U	U	U	8.3	19	690
250	1470	0.7	U	1.01	1.04	0.03	U	8.1	18	840
280	1310	1.3	U	U	U	U	0.11	10.2	18	700
210	1320	0.6	U	0.04	0.04	U	U	8.3	19	760
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
200	1230	0.8	U	U	U	U	0.07	9.3	18	690
200	1340	0.8	U	0.67	0.67	U	U	8.2	20	780
150	1000	0.7	U			U	U	8.7	19	570
130	1080	0.8	U	U	U	0.01	U	8.3	18	710
140	1250	0.7	U	0.04	0.04	U	U	8.9	23	680
320	1490	1.9	U	U	U	U	U	8.5	18	820
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
130	1060	0.6	U	0.06	0.06	U	0.07	8.6	18	590
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
260	1270	0.8	U	U	U	U	U	8.9	19	690

Table IX-1 Groundwater Analytical Data

Revised July 10, 2025

Sulfate (mg/L)	Total Alkalinity (mg/L)
56	265
103	317
64	231
61	253
116	269
109	92
110	275
96	273
59	267
U	312
93.7	322
136	172
95.1	162
97.7	139
85.9	280
81	278
102	258
111	82
90	271
NA	NA
97	228
92	298
74	180
94	255
86	306
55	218
NA	NA
85	248
NA	NA
96	149

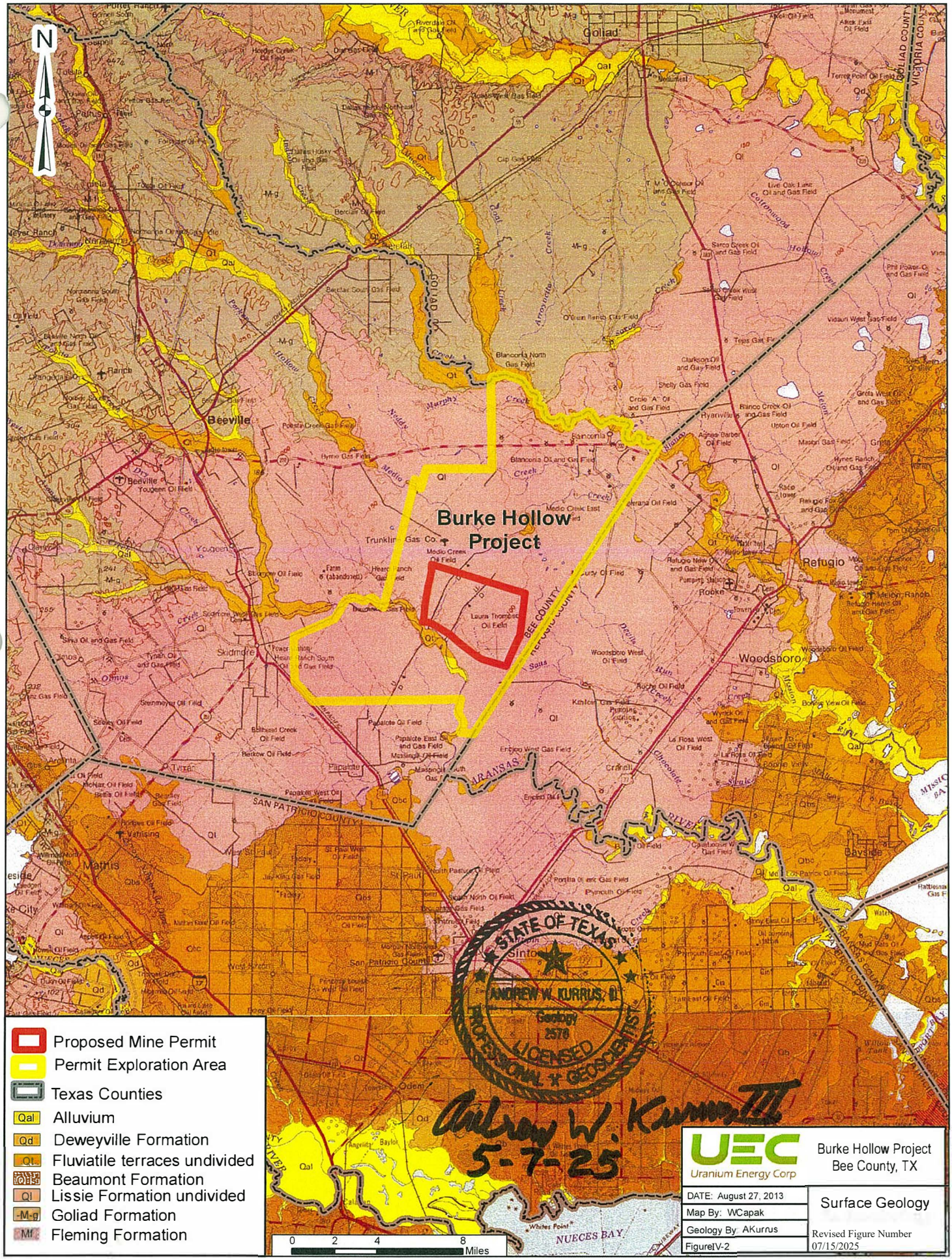


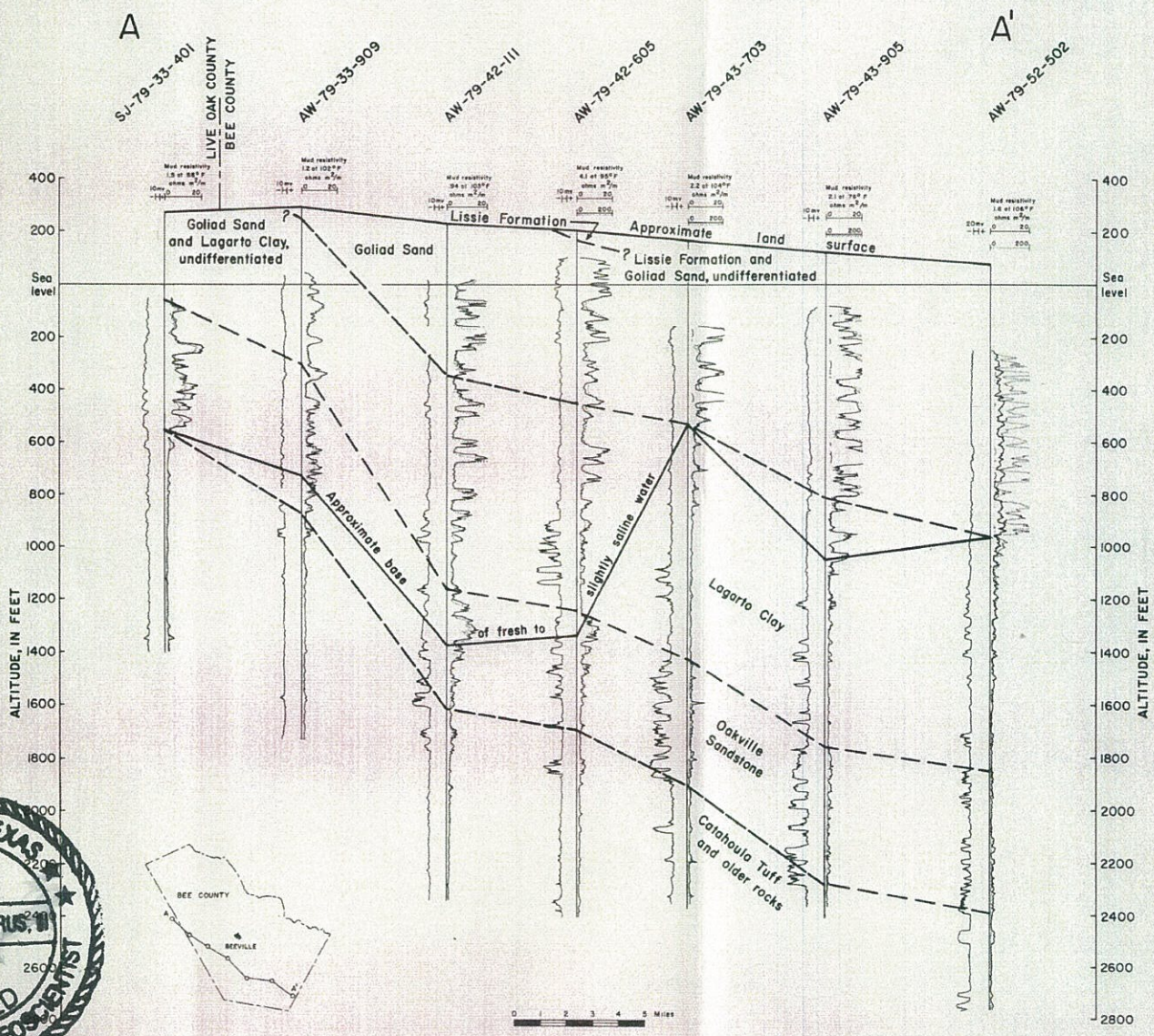
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South Texas Uranium Province Stratigraphic Sections
(Modified from Galloway et al., 1979)

UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
DATE: December 1, 2012 Geology By: AK, NK Modified by: WPC	Figure IV-1 Stratigraphic Section

Revised Figure Number 07/15/2025


N
Goliad
Beeville
Refugio
Woodsboro
Bayside
Mathis
Odem
Sinton
Burke Hollow Project
Proposed Mine Permit
Permit Exploration Area
Texas Counties
Qal Alluvium
Qd Deweyville Formation
Qt Fluviatile terraces undivided
QTbs Beaumont Formation
Ql Lissie Formation undivided
-M-g Goliad Formation
Mf Fleming Formation
0 2 4 8 Miles
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UEC
Uranium Energy Corp
Burke Hollow Project
Bee County, TX
DATE: August 27, 2013
Map By: WCapak
Geology By: AKurrus
Figure IV-2
Surface Geology
Revised Figure Number
07/15/2025



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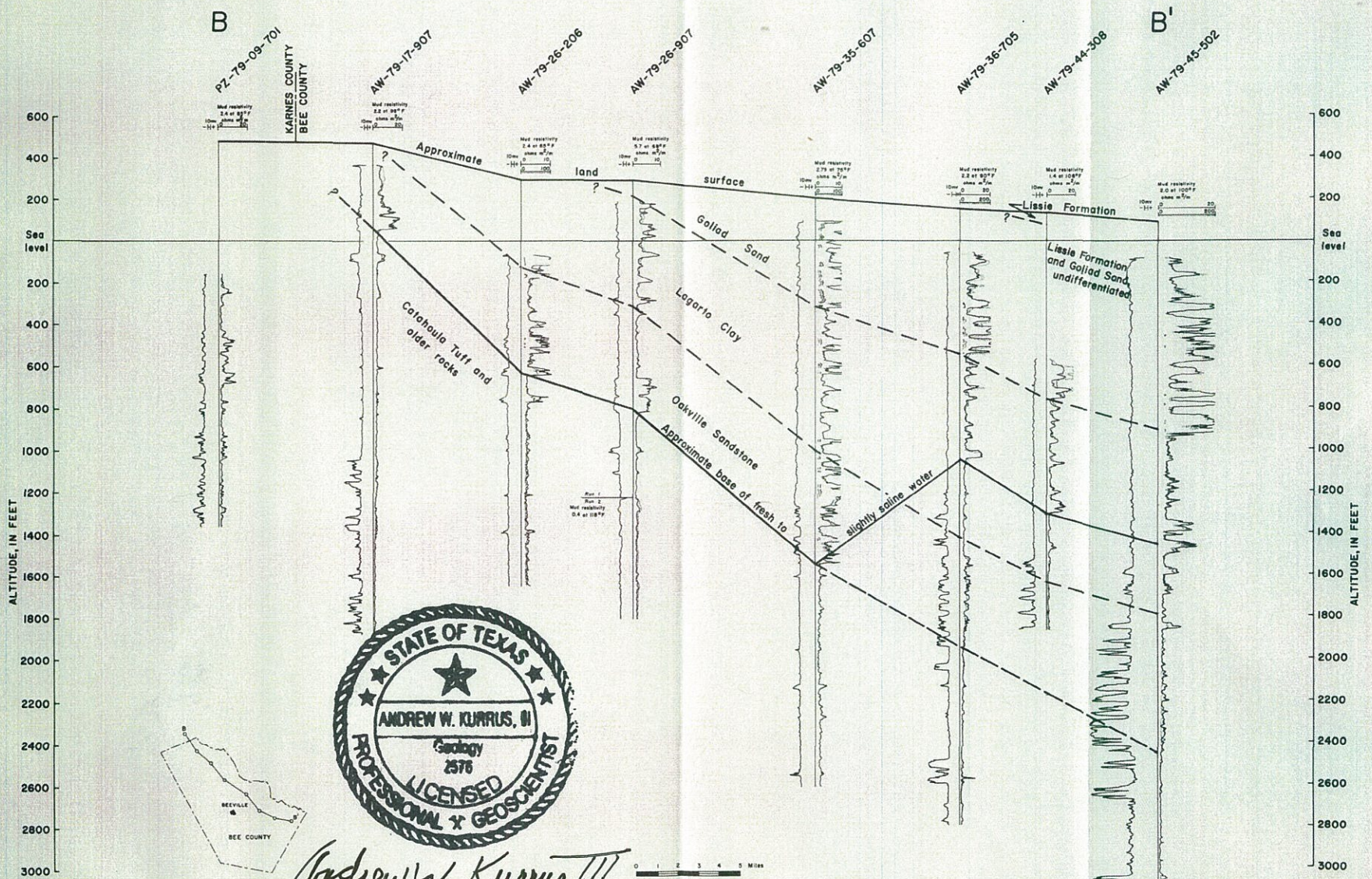
Plate 2

Geologic Section A-A', Live Oak and Bee Counties

U.S. Geological Survey in cooperation with the Texas Water Development Board

Revised Figure Number 07/15/2025

Burke Hollow Project
Figure IV-3
Regional Cross Section A-A'
Modified: April 7, 2025



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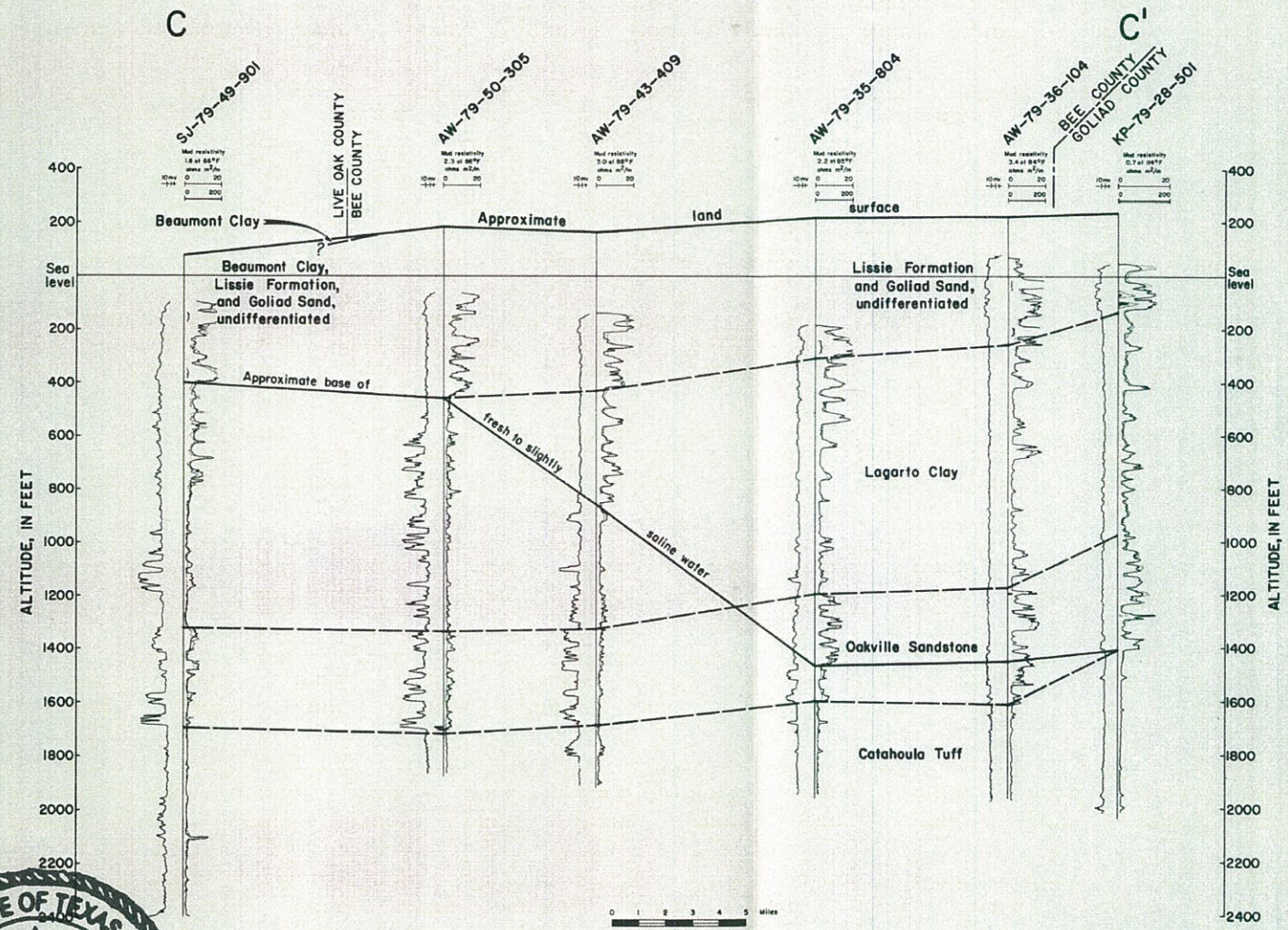
Plate 3

Geologic Section B-B', Karnes and Bee Counties

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Revised Figure Number 07/15/2025

Burke Hollow Project
FigureIV-4
Regional Cross Section B-B'
Modified: April 8, 2025



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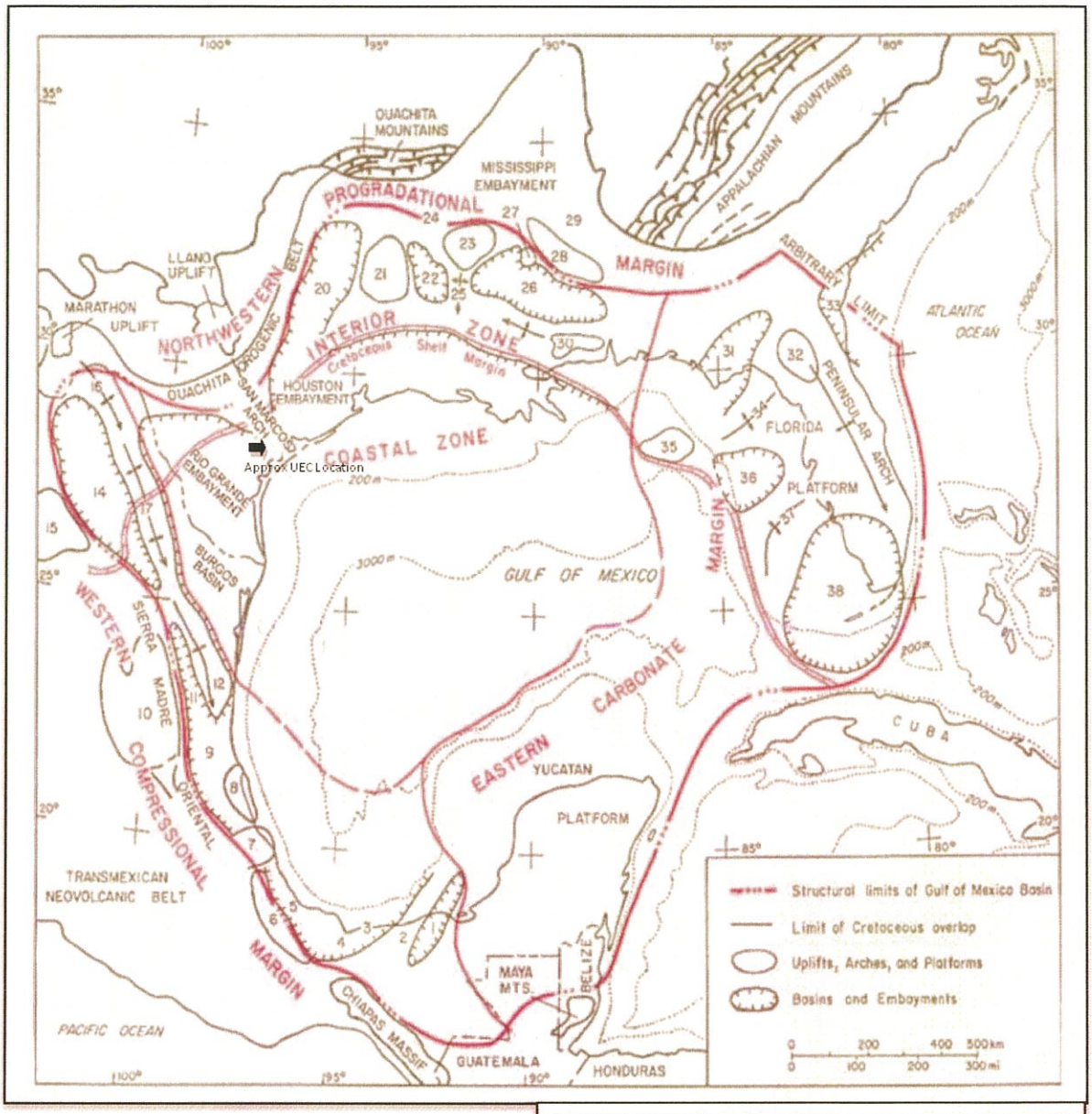
Plate 4

Geologic Section C-C', Live Oak, Bee, and Goliad Counties

U.S. Geological Survey in cooperation with the Texas Water Development Board

Revised Figure Number 07/15/2025

Burke Hollow Project
FigureIV-5
Regional Cross Section C-C'
Modified: April 8, 2025

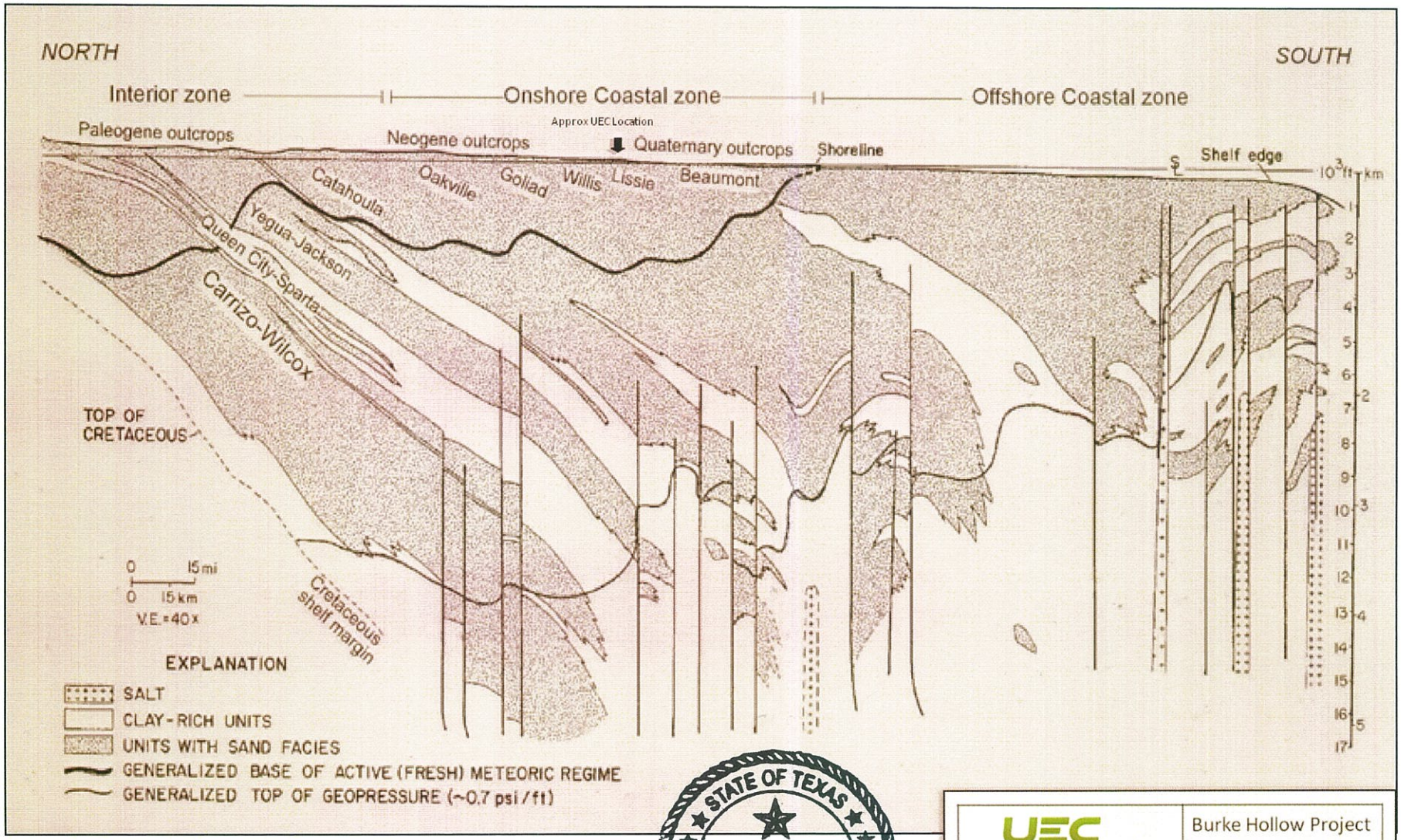


UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-6 Regional Structure Map Revised Figure Number 07/15/2025
Revision: 0	
Modified by: RLD	
Source: Ewing et al. 1991	

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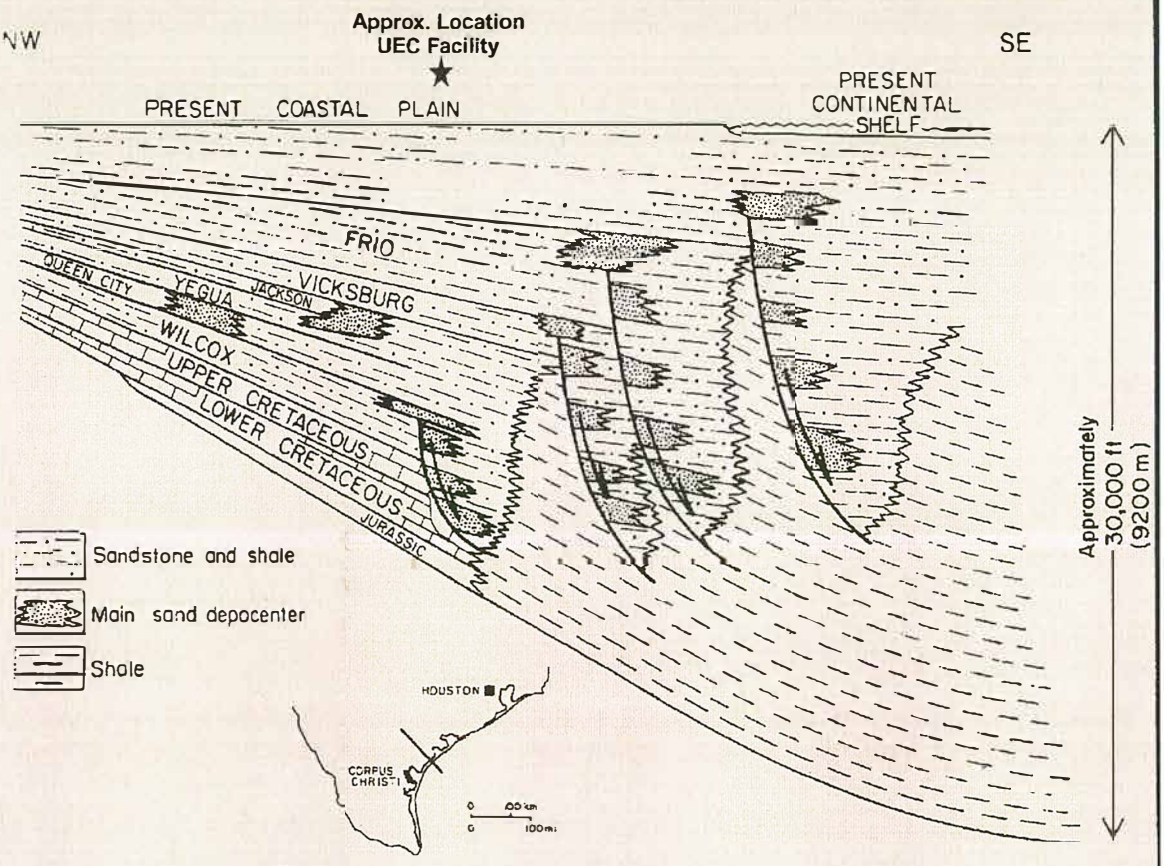
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UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-7 Regional Dip Structure Section Map
Revision: 0	
Modified by: RLD Source: Galloway et al. 1991	Revised Figure Number 07/15/2025



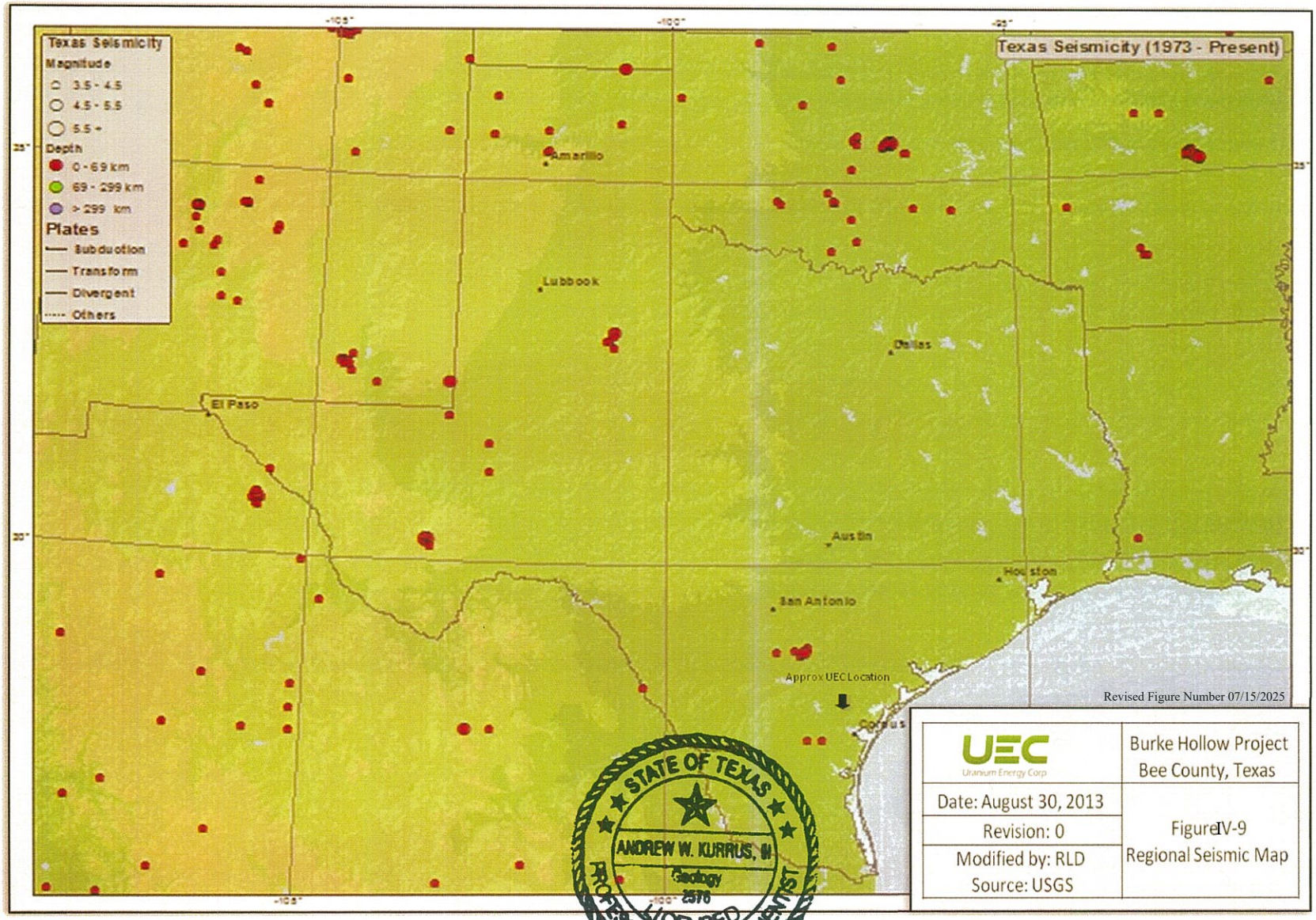
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Source: Bebout, et al., 1982, Wilcox Sandstone Reservoirs in the Deep Subsurface along the Texas Gulf Coast, University of Texas at Austin Bureau of Economic Geology Report of Investigations No. 117.

Revised Figure Number 07/15/2025

UEC	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-8
Revision: 0	Depositional and Structural Section – Gulf Coast Basin
Modified by: RLD	



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Age (millions of years before present)	Geologic formation	Hydrogeologic unit	
Pleistocene (1.8-present)	Beaumont	Chicot Aquifer	Coast Aquifer
	Lissie		
Pliocene (5.6-1.8)	Willis		
Miocene (23.8-5.6)	Upper Goliad	Evangeline Aquifer	
	Lower Goliad		
	Upper Lagarto		
	Middle Lagarto	Burkeville Confining Unit	
	Lower Lagarto	Jasper Aquifer	Gulf
	Oakville		
Oligocene	(upper) Catahoula		
	(lower) Catahoula	Catahoula Confining Unit	

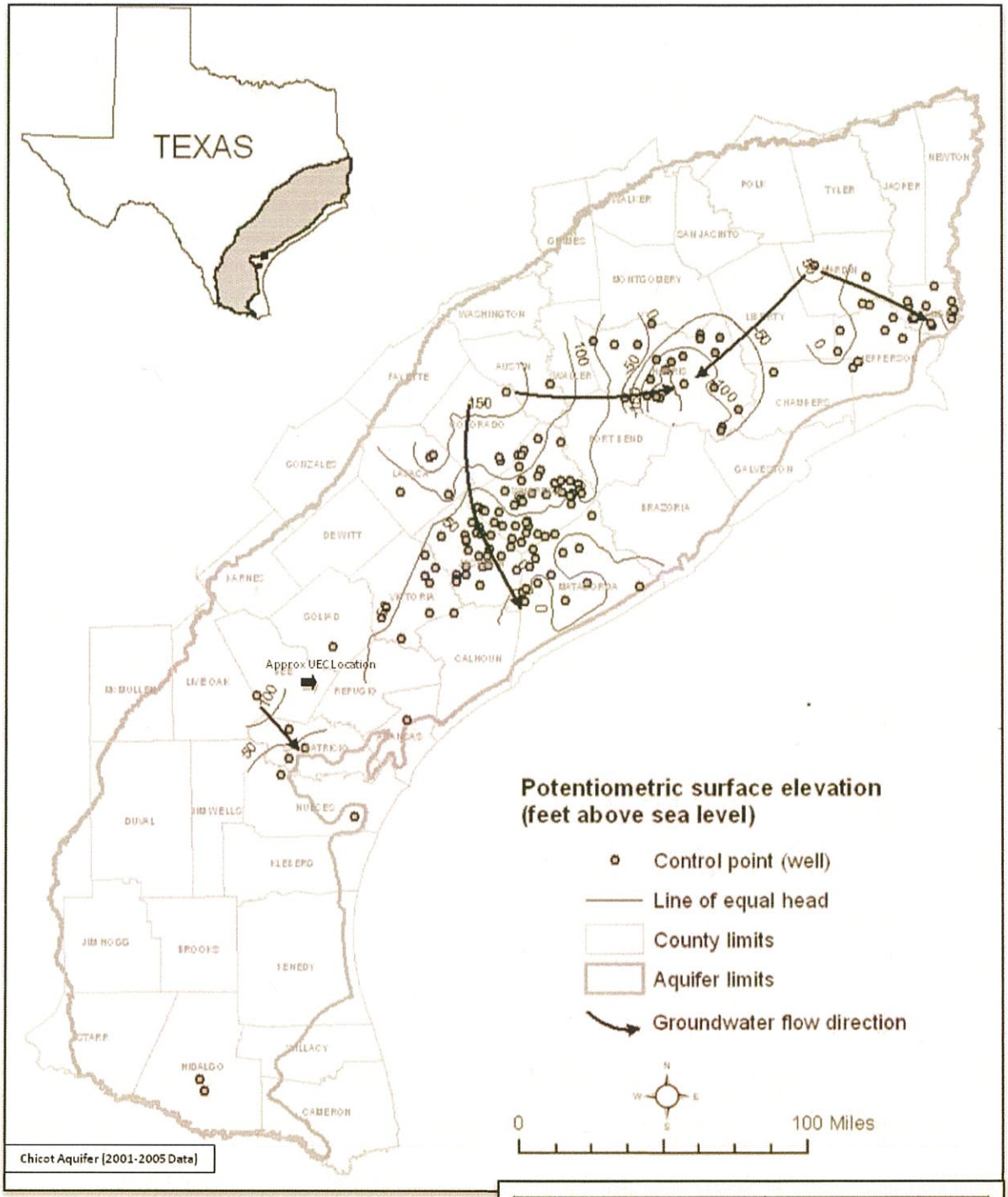
Revised Figure Number 07/15/2025

UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-10 Hydro-geologic Stratigraphic Column
Revision: 0	
Modified by: RLD	
Source: Young et al. 2010	

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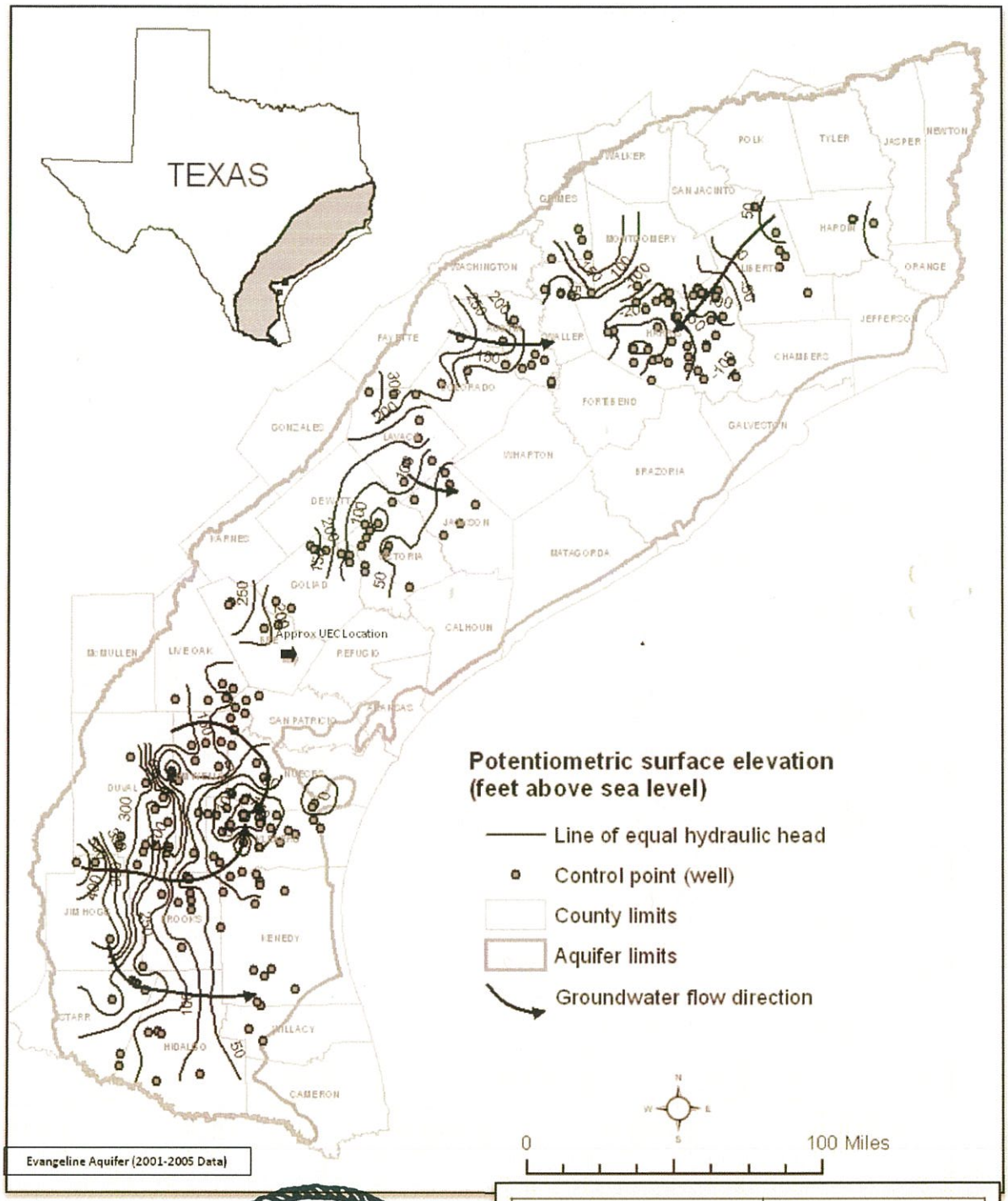
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UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-11 Regional Potentiometric Surface and Flow Direction Revised Figure Number 07/15/2025
Revision: 0	
Modified by: RLD Source: Chowdury et al. 2006	

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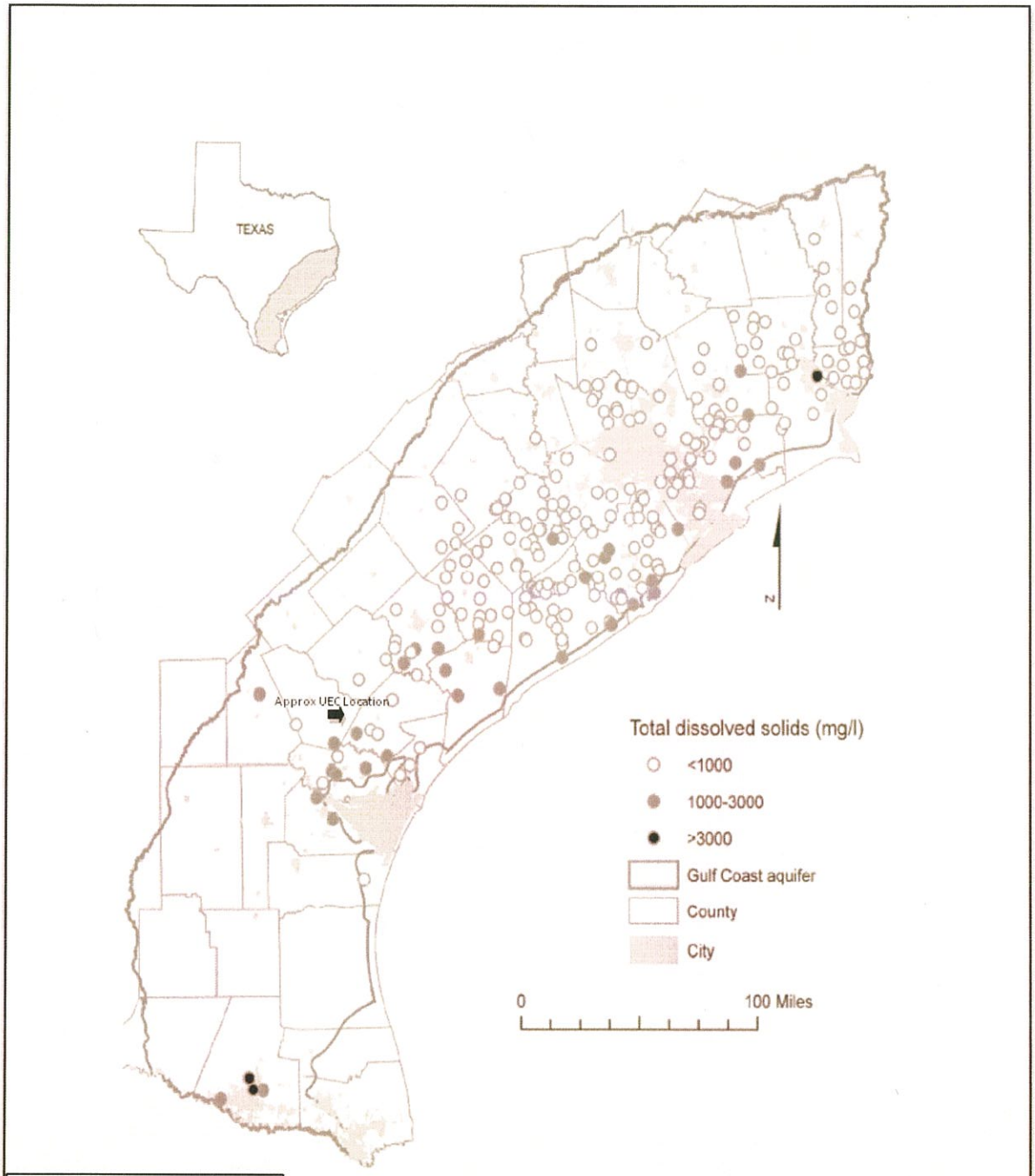
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UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-12 Regional Potentiometric Surface and Flow Direction Revised Figure Number 07/15/2025
Revision: 0	
Modified by: RLD Source: Chowdury et al. 2006	

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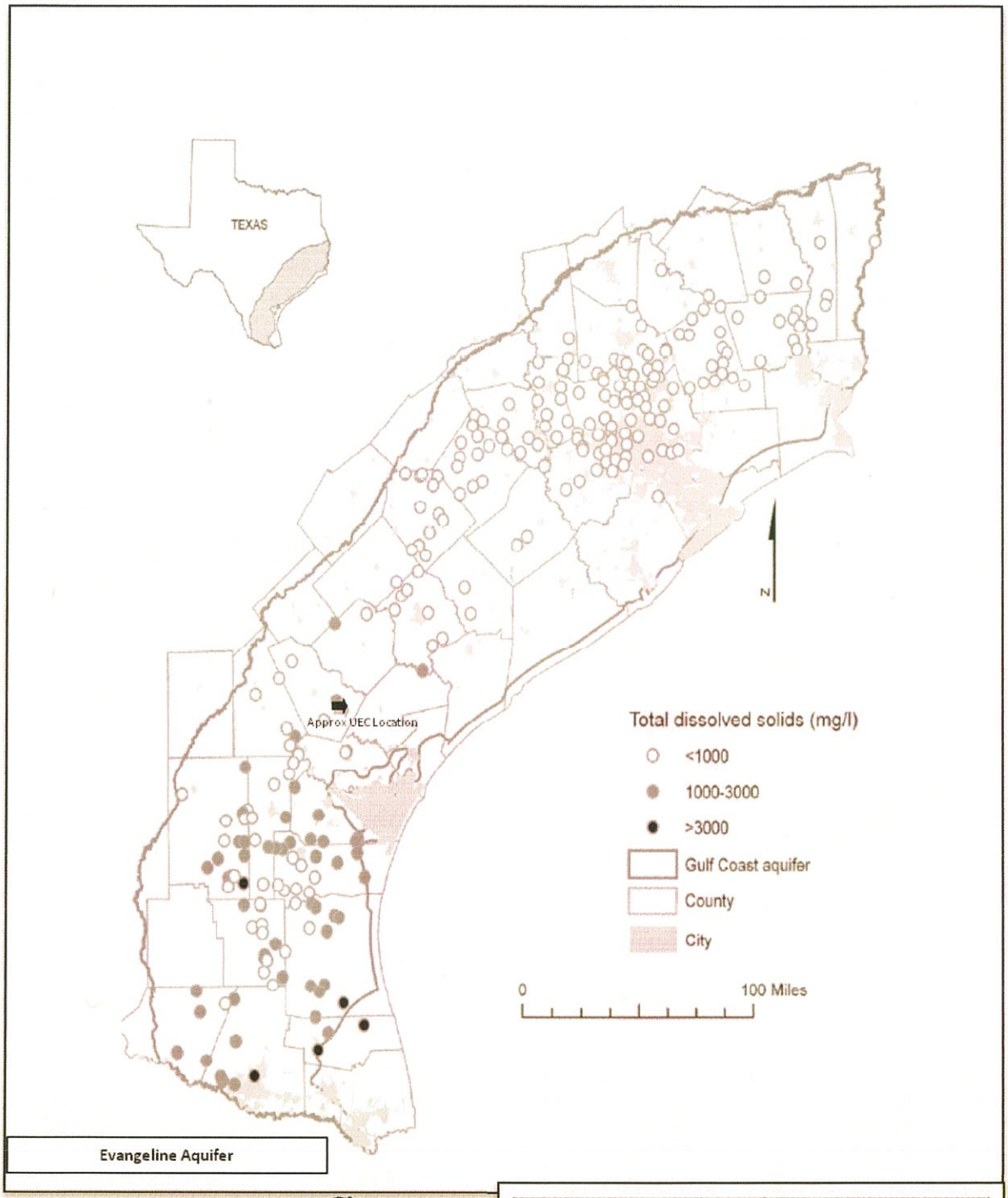
Andrew W. Kurrus, III
4-10-25



UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure V-13 Regional Total Dissolved Solid Concentrations Revised Figure Number 07/15/2025
Revision: 0	
Modified by: RLD Source: Chowdury et al. 2006	

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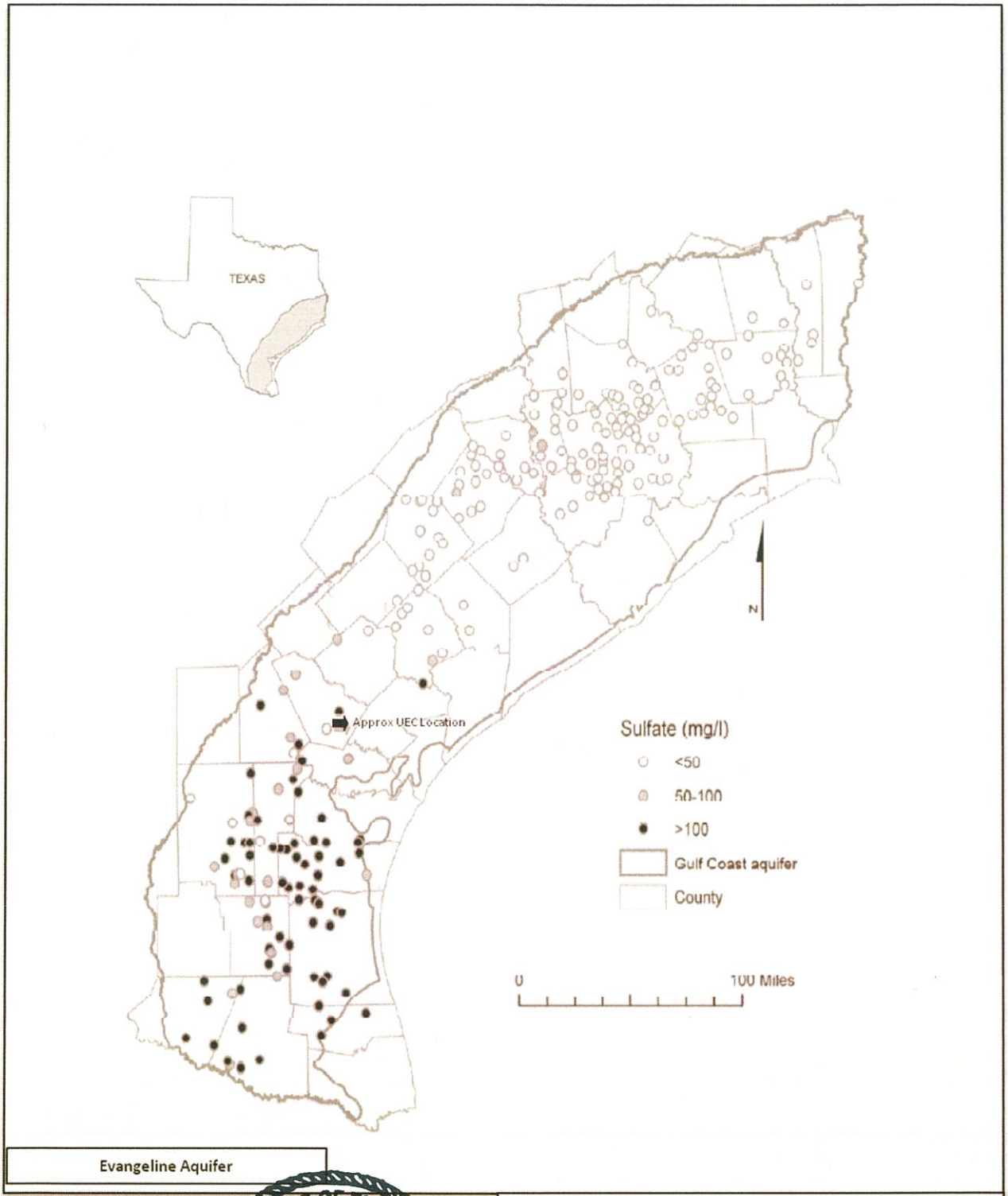
Andrew W. Kurrus, III
4-10-25



UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-14 Regional Total Dissolved Solid Concentrations Revised Figure Number 07/15/2025
Revision: 0	
Modified by: RLD Source: Chowdury et al. 2006	

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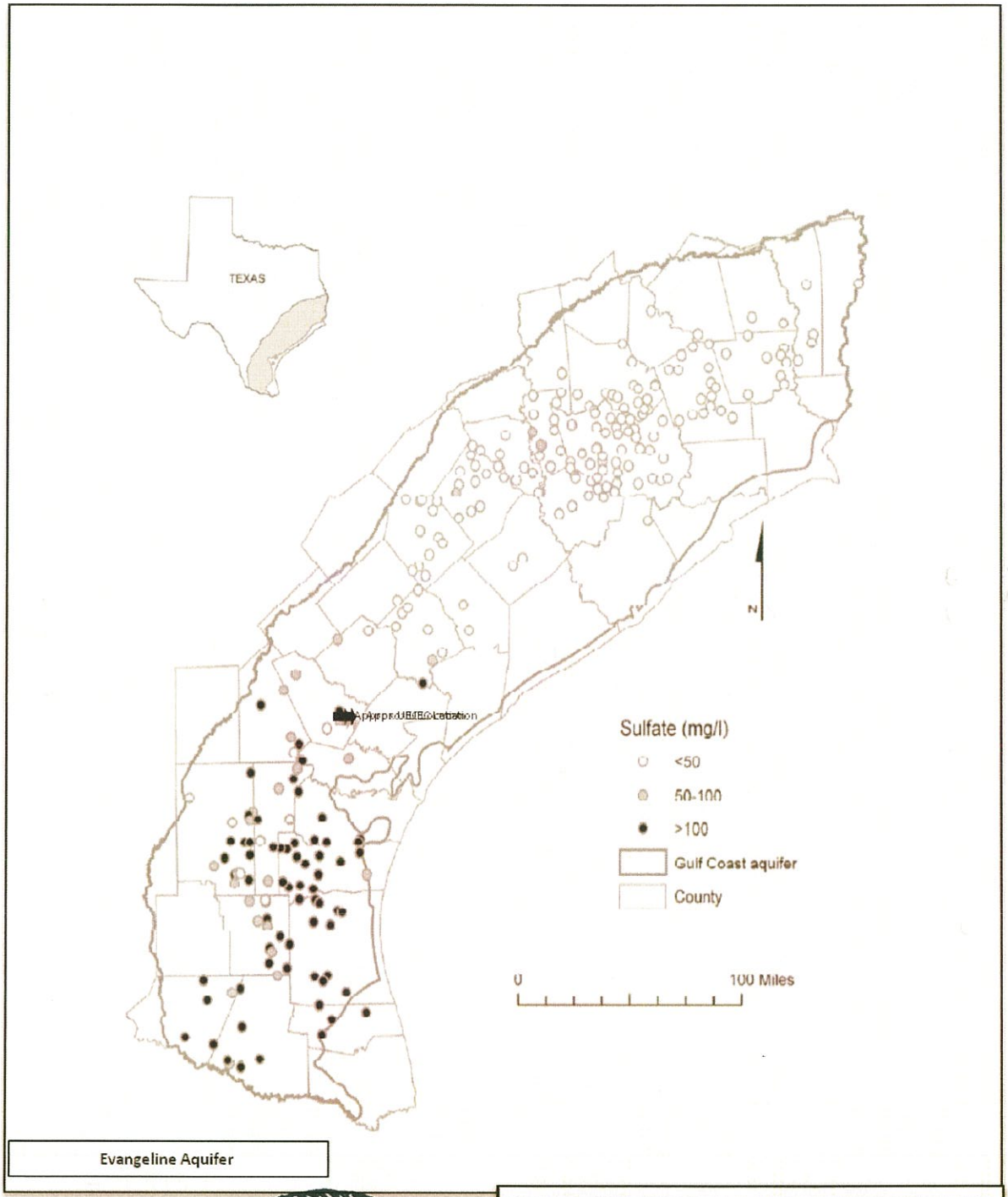
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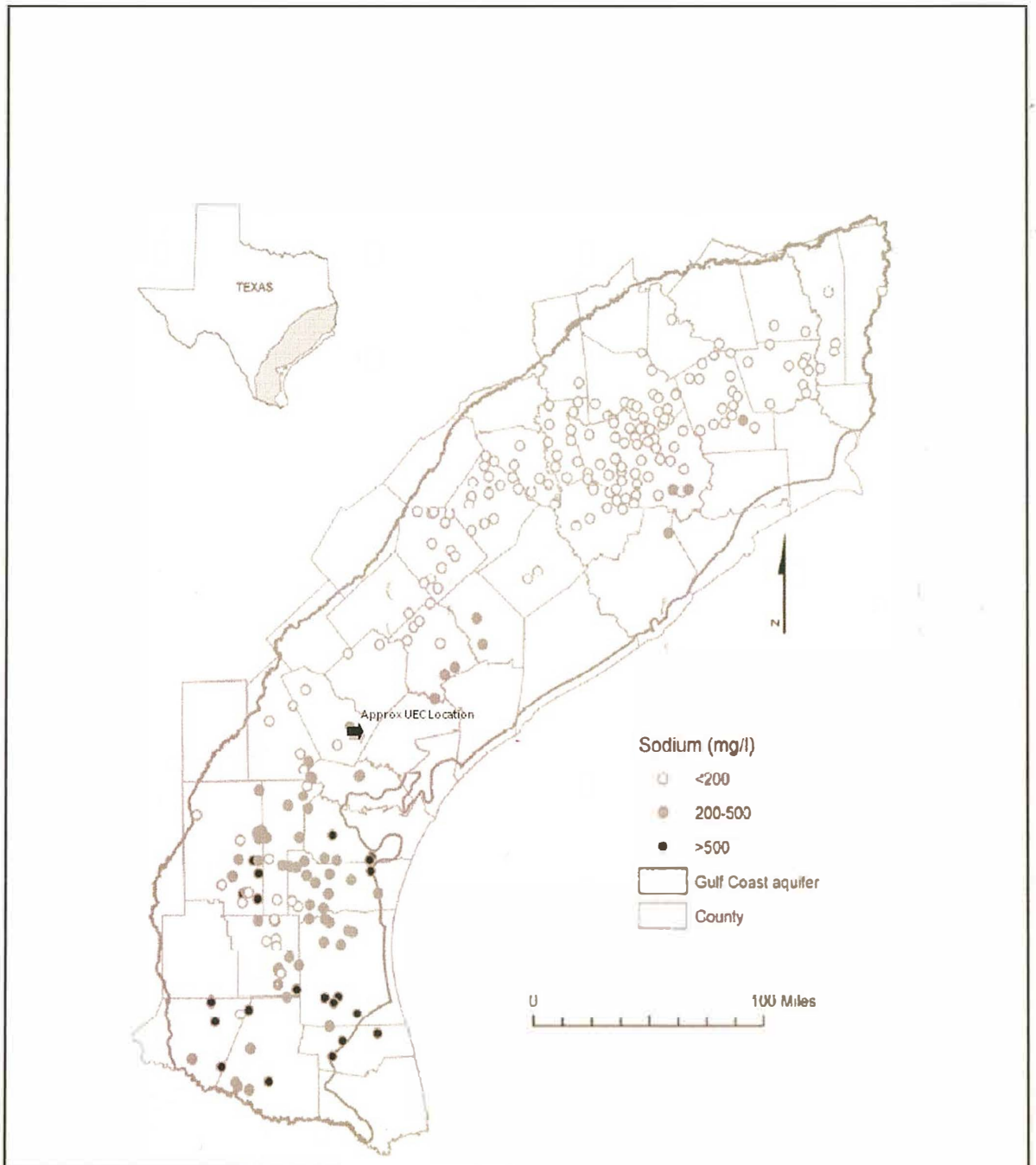
UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-15 Regional Sulfate Concentrations
Revision: 0	
Modified by: RLD Source: Chowdury et al. 2006	Revised Figure Number 07/15/2025



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UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-16 Regional Chloride Concentrations
Revision: 0	
Modified by: RLD Source: Chowdury et al. 2006	Revised Figure Number 07/15/2025



Evangeline Aquifer

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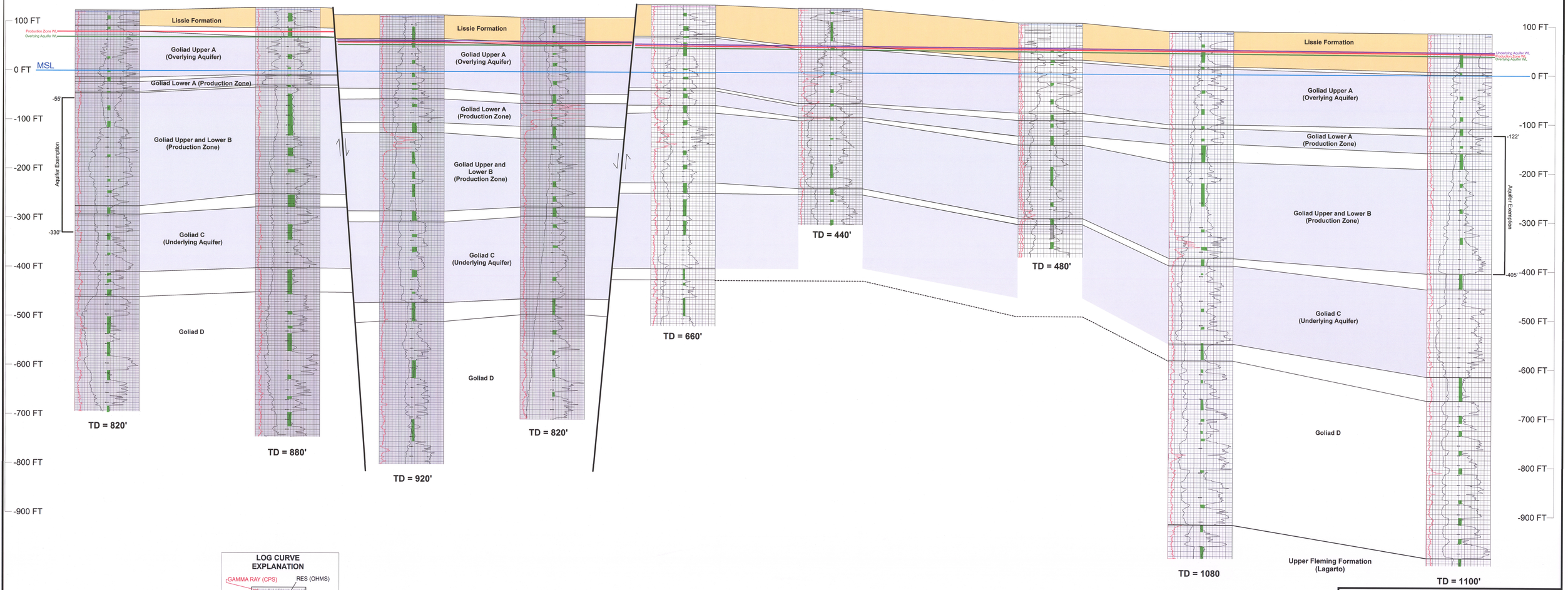
Andrew W. Kurrus III
4-10-25

UEC Uranium Energy Corp	Burke Hollow Project Bee County, Texas
Date: August 30, 2013	Figure IV-17 Regional Sodium Concentrations
Revision: 0	
Modified by: RLD Source: Chowdury et al. 2006	Revised Figure Number 07/15/2025

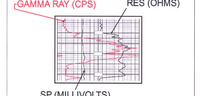
Uranium Energy Corp

West A — East A'

40.0-384.3	72.5-353.0	102.5-345.5	136.5-354.0	168.0-346.0	203.5-355.0	RBW 4-1	287.0-316.5	347.5-337.0
EXPL DRILL	EXPL DRILL	EXPL DRILL	EXPL DRILL	EXPL DRILL	EXPL DRILL	BASELINE WELL	EXPL DRILL	EXPL DRILL
GL 122.4 FT	GL 128.8 FT	GL 114.6 FT	GL 110.7 FT	GL 136.9 FT	GL 131.4 FT	KB 103.1 FT	GL 87.4 FT	GL 85.0 FT
	4755 FT	3271 FT	3710 FT	3440 FT	3878 FT	5800 FT	3979 FT	6813 FT



LOG CURVE EXPLANATION



= Confining Layer (Clay, Shale, Mudstone)

Vertical Scale : 1" = 50'
Horizontal Scale : 1" = 650'
Vertical Exaggeration : 13X

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Andrew W. Kurrus II
10-9-14

Burke Hollow Project

Bee County, Texas

Structural / Stratigraphic Section A to A'

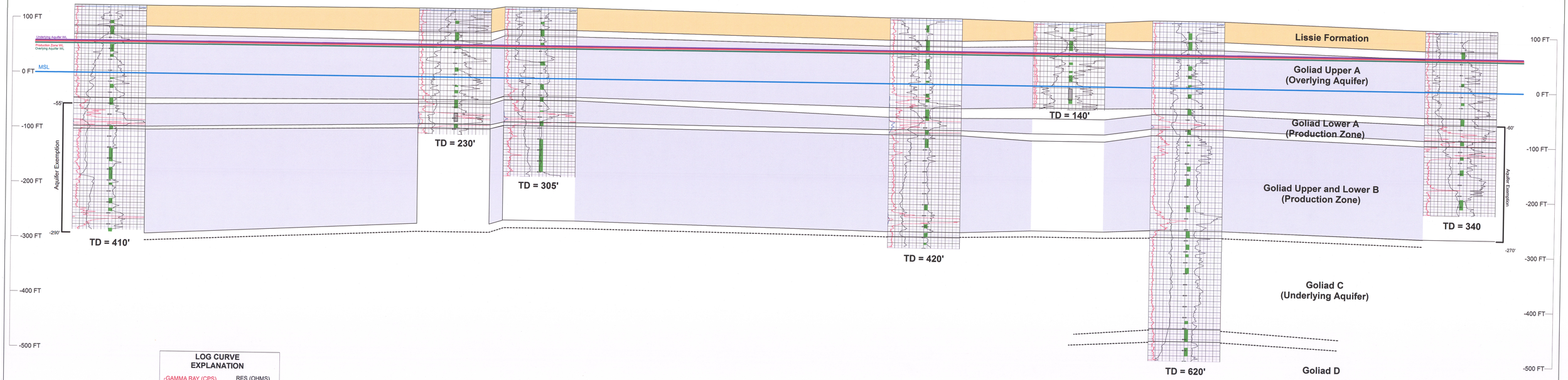
Datum: Sea Level — Edited Figure Number 07/15/2025

Geology by: NK/AK	Date: 10/9/14	FigureIV-18

North B — South B'

Uranium Energy Corp

North B								South B'
164.0-386.0 EXPL DRILL	1250 FT	157.7-376.0 BASELINE WELL	310 FT	155.5-374.0 EXPL DRILL	1398 FT	150.0-362.0 EXPL DRILL	519 FT	RBW 1-5 BASELINE WELL	431 FT	147.0-354.0 EXPL DRILL	990 FT	144.5-345.0 EXPL DRILL
GL 123.3 FT		GL 124.9 FT		GL 129.1 FT		GL 120.0 FT		GL 116.8 FT		GL 121.8 FT		GL 111.4 FT



LOG CURVE EXPLANATION

GAMMA RAY (CPS) — RES (OHMS)

SP (MILLIVOLTS)

= Confining Layer (Clay, Shale, Mudstone)

Vertical Scale : 1" = 50'
Horizontal Scale : 1" = 100'
Vertical Exaggeration : 2X

Printed by NamBechtel - Desktop on 10/9/2014 at 4:04 PM - Cross Section B to B.xmap - Project: "c:\nk\projects\New Mine Permit"

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10-9-14

Burke Hollow Project

Bee County, Texas

Strike Oriented Structural Section B to B'

Datum: Sea Level

Edited Figure Number 07/15/2025

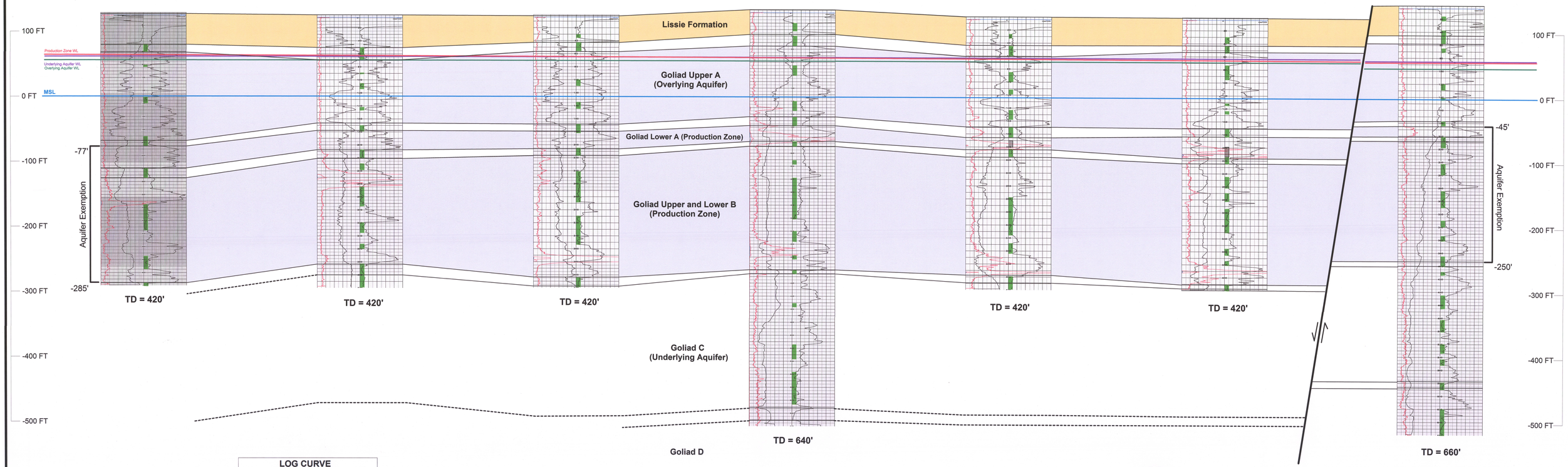
Geology by: NK/AK	Date: 10/9/14	FigureIV-19

WEST C — EAST C'

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116.0-392.6	120.5-392.0	132.0-393.0	144.0-390.0	148.0-386.0	163.5-385.5	207.0-374.5
EXPL DRILL	EXPL DRILL	EXPL DRILL	EXPL DRILL	BASELINE WELL	BASELINE WELL	EXPL DRILL
GL 128.4 FT	GL 124.8 FT	GL 125.6 FT	GL 133.5 FT	GL 124.2 FT	GL 124.2 FT	GL 143.6 FT

476 FT · 1221 FT · 1309 FT · 597 FT · 1643 FT · 4744 FT



LOG CURVE EXPLANATION

GAMMA RAY (CPS) — RES (OHMS)

SP (MILLIVOLTS)

= Confining Layer (Clay, Shale, Mudstone)

Vertical Scale : 1" = 50'
Horizontal Scale : Equidistant Spacing
Vertical Exaggeration : N/A

Plotted by NeuraSection - Neuralog Inc. on 2014/10/08. Cross Section "C' to C'-prime" - Project "C:\nobi\projects\New Mine Permit"

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10-9-14

Burke Hollow Project

Bee County, Texas

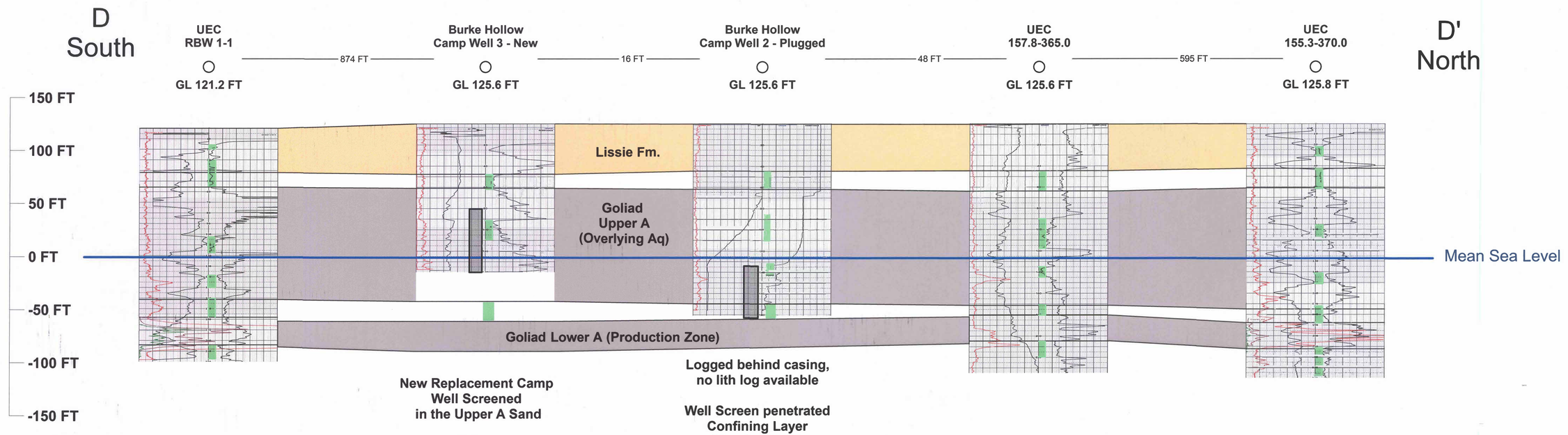
Dip Oriented Structural Section C to C'

Datum: Sea Level

Edited Figure Number 07/15/2025

Geology by: NK/AK	Date: 10/7/14	FigureIV-20

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7-24-15

LOG CURVE EXPLANATION

GAMMA RAY (CPS)

RES (OHMS)

SP (MILLIVOLTS)

= Well Screen

= Confining Layer (Clay, Shale, Mudstone)

Vertical Scale : 1" = 50'
Horizontal Scale : Equidistant Spacing
Vertical Exaggeration : N/A

Printed by NeuraSection - Neuralog Inc. on 2015/07/24. Cross Section "New Camp Well Section" - Project "C:\nda\projects\New Mine Permit"

Burke Hollow Project

Bee County, Texas

Hunting Camp Well Structural / Stratigraphic Section D to D'

Datum: Sea Level

Edited Figure Number 07/15/2025

Geology by NK/AK	Date: 5/11/2015	**Figure IV-21**

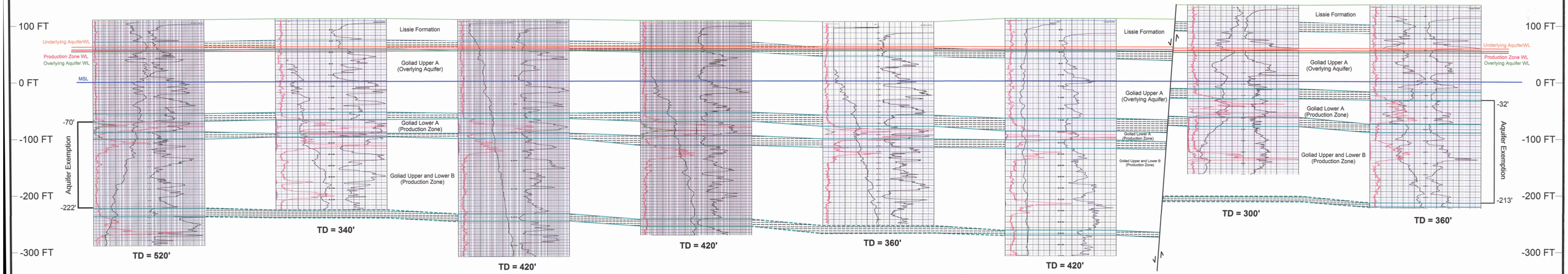
Uranium Energy Corp

E — West

E' — East

BH 144.0-350.0	BH 145.5-346.0	BH 147.5-343.0	BH 149.0-340.0	BH 151.5-337.5	BH 152.5-336.5	BH 158.0-336.0	BH 161.0-336.0
EXPL DRILL	EXPL DRILL	EXPL DRILL	EXPL DRILL	EXPL DRILL	EXPL DRILL	EXPL DRILL	EXPL DRILL
GL 110.7 FT	GL 111.7 FT	GL 109.8 FT	GL 107.8 FT	GL 105.7 FT	GL 111.5 FT	GL 135.9 FT	GL 136.6 FT

449 FT · 383 FT · 359 FT · 370 FT · 147 FT · 584 FT · 321 FT



LOG CURVE EXPLANATION

GAMMA RAY (CPS) · RES (OHMS) · SP (MILLIVOLTS)

Vertical Scale: 1" = 50'

Horizontal Scale: Equal Spacing

= Confining Layer (Clay, Shale, Mudstone)

Figure IV-22

Edited Figure Number 07/15/2025

Burke Hollow Project

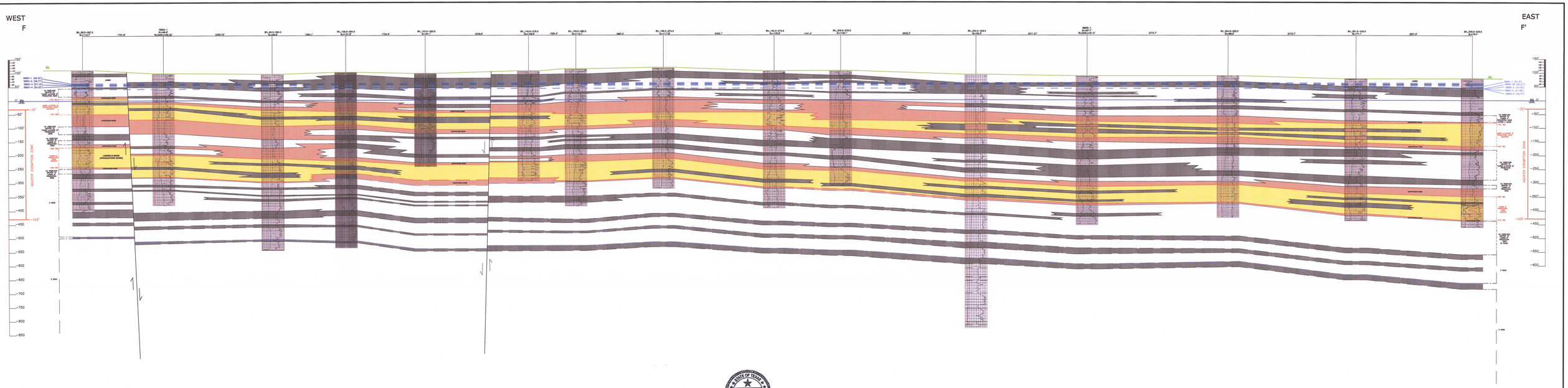
Bee County, Texas

Structural / Stratigraphic Section

Datum: Seal Level

Geology by: RS/AK/NK	Date: 7/23/15	FigureIV-22

Printed by NeuraSection - Neuralog Inc. on 2015/07/23. Cross Section "Cross Section 2" - Project "C:\Users\rshurm\Desktop\Burke Section\vds\projects\Burke Hollow"



3-25-25

Andrew W. Kunney III

CLAY/ MUDSTONE	GL=GROUND LEVEL
	WL=WATER LEVEL (ft. AMSL)
PRODUCTION ZONE SAND	TOC=TOP OF CASING ELEVATION (AMSL)
	AMSL=ABOVE MEAN SEA LEVEL
MINE ZONE AQUITARD	BMSL=BELOW MEAN SEA LEVEL
	BGL=BELOW GROUND LEVEL

Burke Hollow Project

Bee County, Texas
Dip Oriented Structural Cross Section F-F'
Datum: Sea Level

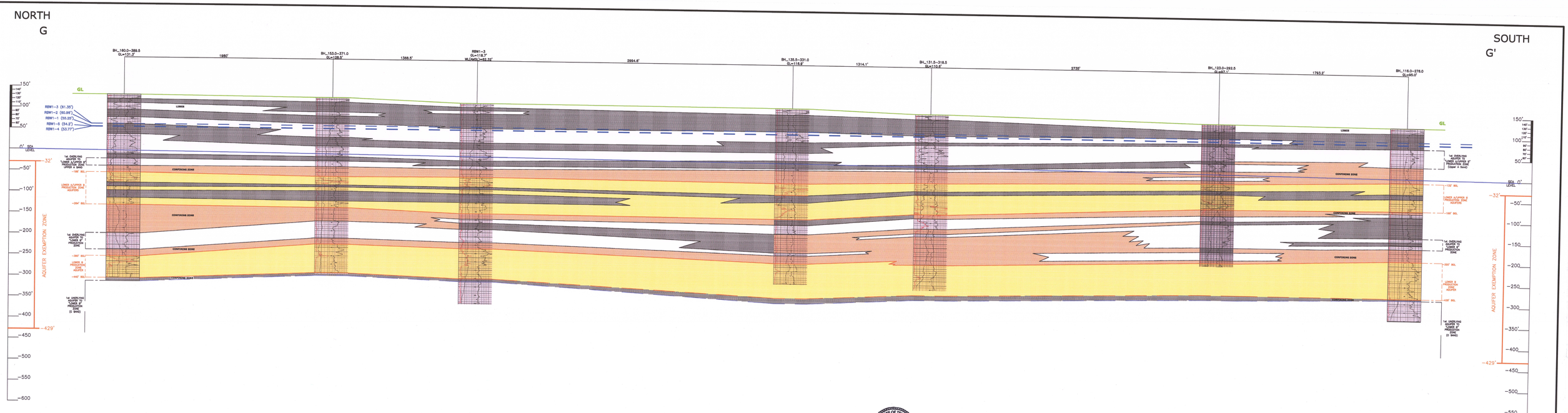
FigureIV-23

Drafted by: JP, Geology by: AK/NK/JP	Date: 03/03/25	Rev. 1	Aquifer Exemption Extension

Revised Figure Number 07/15/2025

100 50 0 300 600
SCALE IN FEET

VERTICAL EXAGGERATION = 1/5
EL=GROUND LEVEL
DATUM: MSL



Burke Hollow Project

Bee County, Texas
Strike Oriented Structural Cross Section G-G'
Datum: Sea Level

FigureIV-24

Drafted by: JP, Geology by: AK/NK/JP	Date: 03/03/25 Rev. 1	Aquifer Exemption Extension

Revised Figure Number 07/15/2025

100
50
0
200
400
SCALE IN FEET

VERTICAL EXAGGERATION : 1/4
GL=GROUND LEVEL
TD=TOTAL DEPTH

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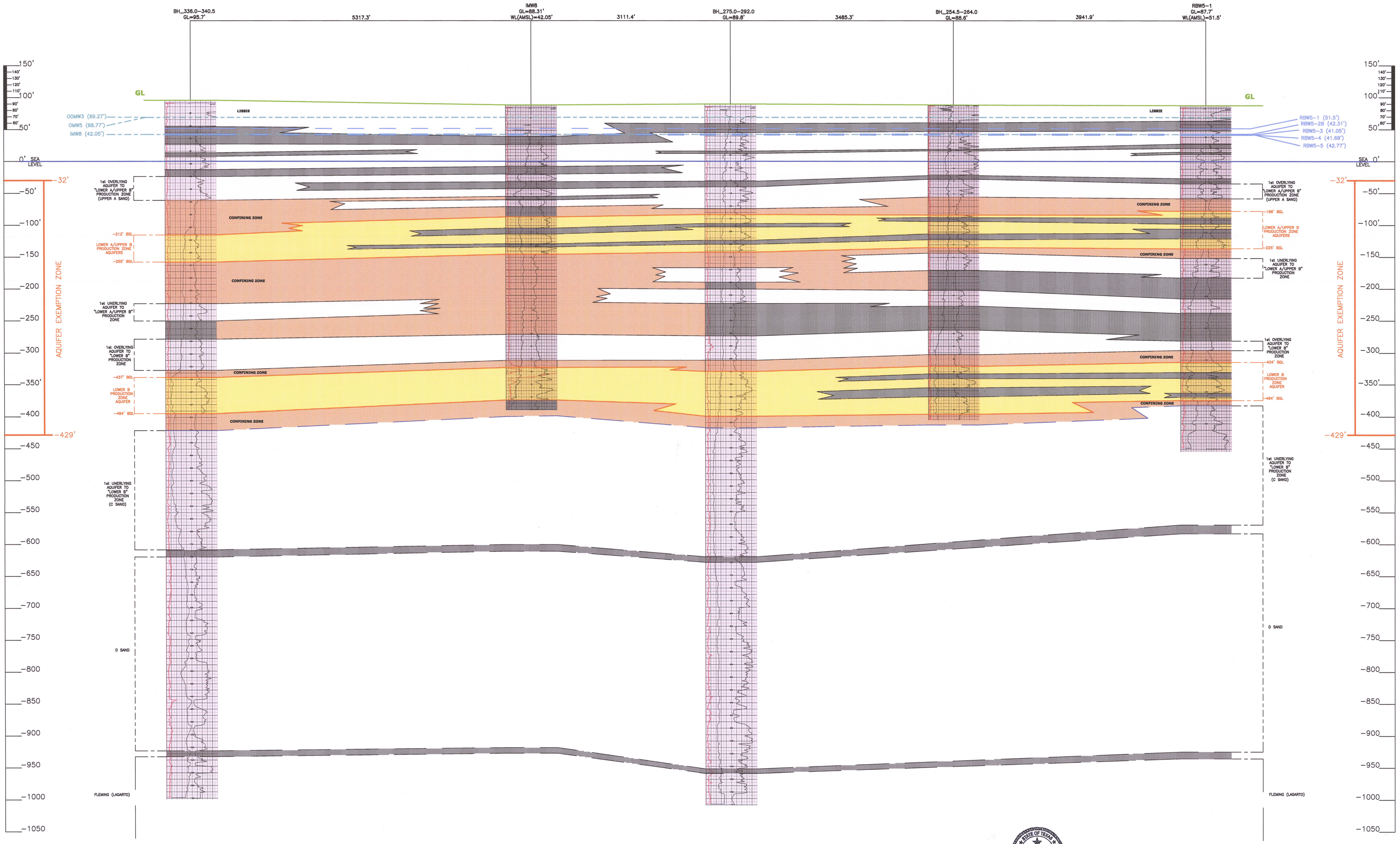
3-25-25

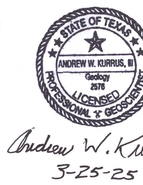
Andrew W. Kurrus, III

CLAY/MUDSTONE	GL=GROUND LEVEL
	WL=WATER LEVEL (ft. AMSL)
PRODUCTION ZONE SAND	TOC=TOP OF CASING ELEVATION (AMSL)
	AMSL=ABOVE MEAN SEA LEVEL
MINE ZONE AQUITARD	BMSL=BELOW MEAN SEA LEVEL
	BGL=BELOW GROUND LEVEL

NORTH
H

SOUTH
H'





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3-25-25

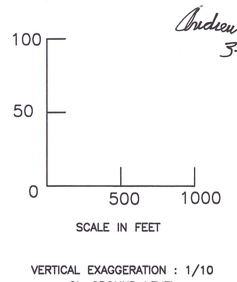
Burke Hollow Project

Bee County, Texas
Strike Oriented Structural Cross Section H-H'
Datum: Sea Level

Figure IV-25

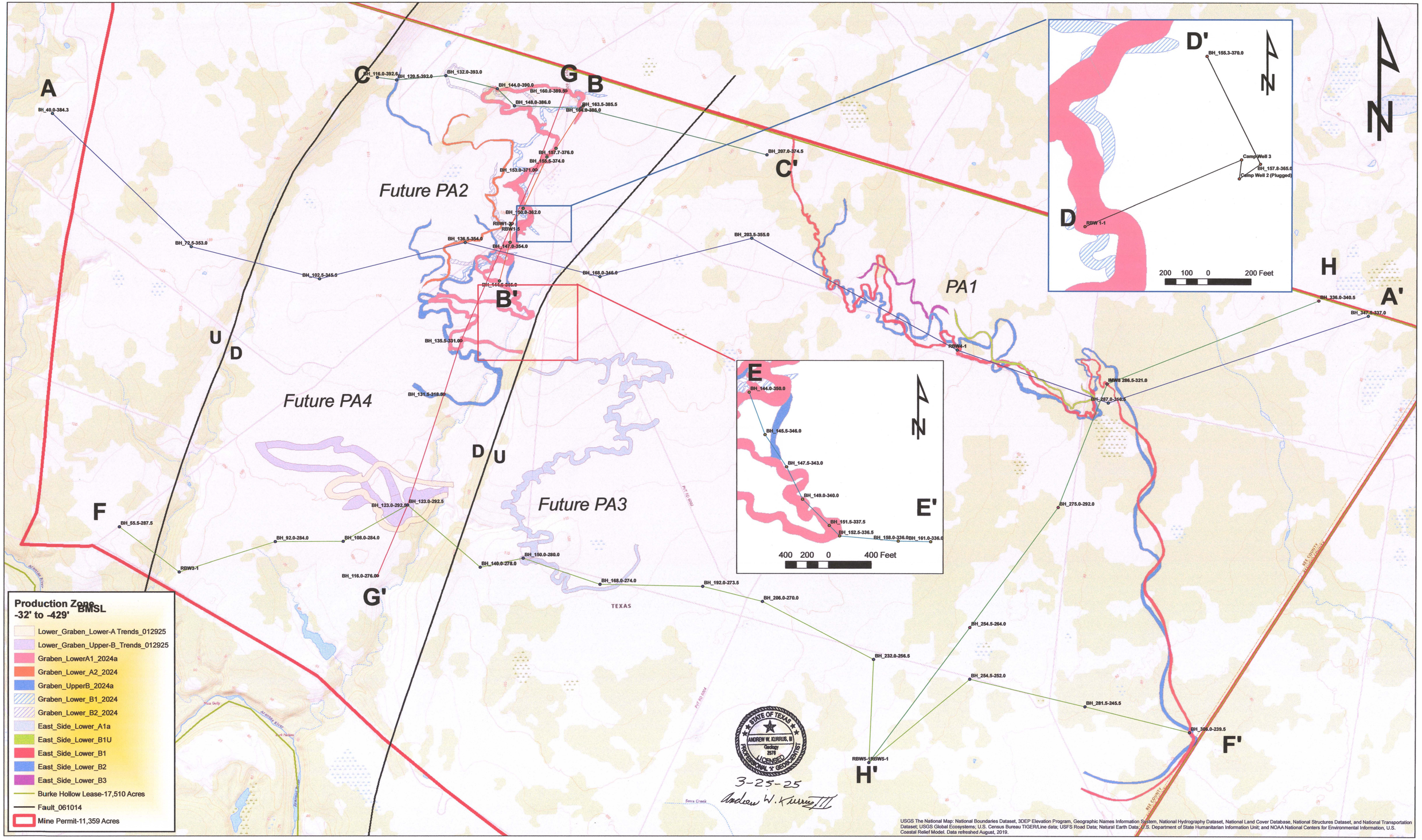
Drafted by: JP, Geology by: AK/NK/JP	Date: 03/03/25 Rev. 1	Aquifer Exemption Extension

Revised Figure Number 07/15/2025



VERTICAL EXAGGERATION : 1/10
GL=GROUND LEVEL
TD=TOTAL DEPTH

CLAY/ MUDSTONE		GL=GROUND LEVEL
		WL=WATER LEVEL (ft. AMSL)
PRODUCTION ZONE SAND		TOC=TOP OF CASING ELEVATION (AMSL)
		AMSL=ABOVE MEAN SEA LEVEL
MINE ZONE AQUITARD		BMSL=BELOW MEAN SEA LEVEL
		BGL=BELOW GROUND LEVEL



Production Zone -32' to -429' BMSL

- Lower_Graben_Lower-A Trends_012925
- Lower_Graben_Upper-B_Trends_012925
- Graben_LowerA1_2024a
- Graben_Lower_A2_2024
- Graben_UpperB_2024a
- Graben_Lower_B1_2024
- Graben_Lower_B2_2024
- East_Side_Lower_A1a
- East_Side_Lower_B1U
- East_Side_Lower_B1
- East_Side_Lower_B2
- East_Side_Lower_B3
- Burke Hollow Lease-17,510 Acres
- Fault_061014
- Mine Permit-11,359 Acres

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USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed August, 2019.

Uranium Energy Corp

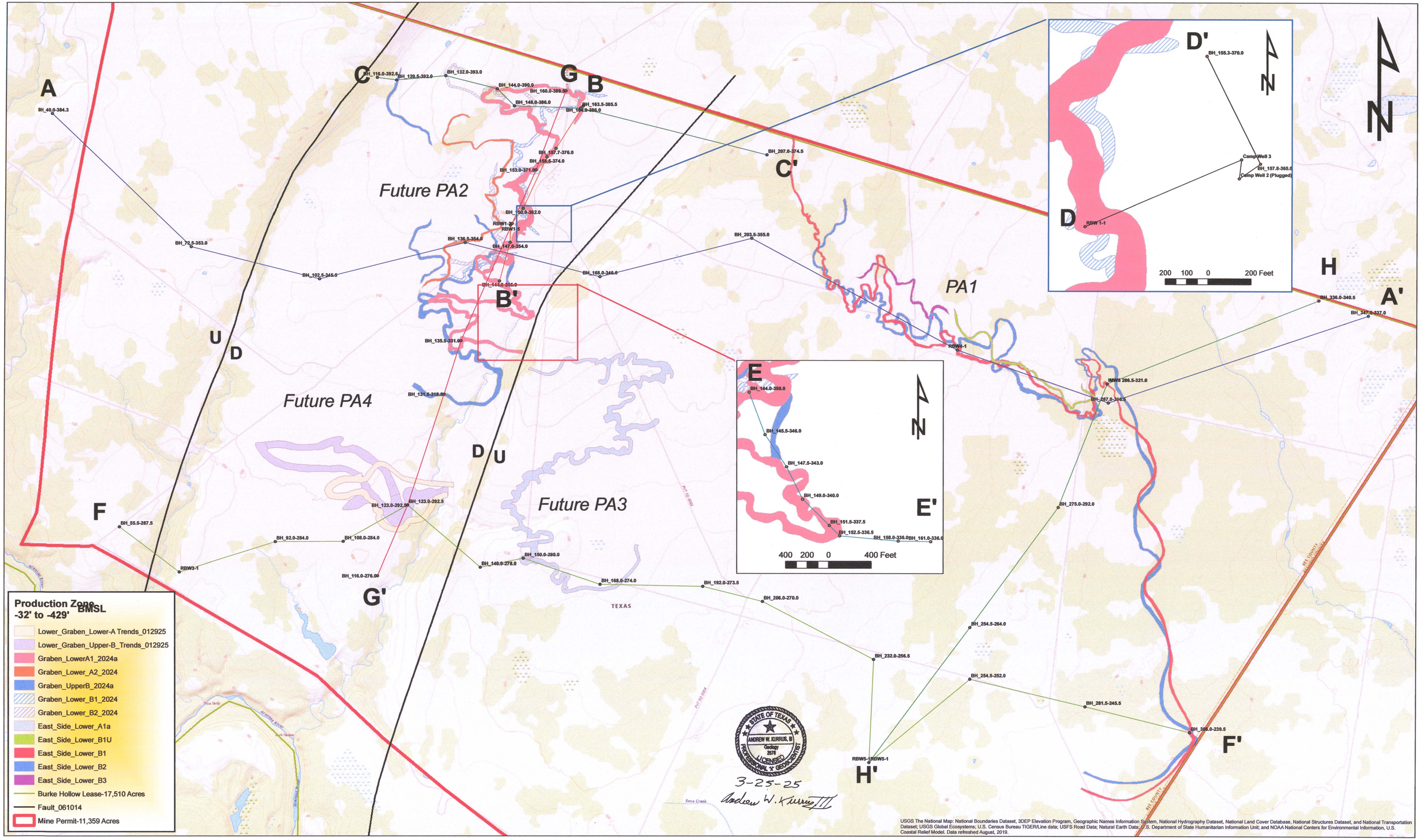
Burke Hollow Project
Bee County, Texas
FigureIV-26

Cross Section Reference Map	Date: 2/18/2025
Geology: AK/NK/JP	Drafting: JP

Revised Figure Number 07/15/2025

0 500 1,000 2,000 3,000 4,000 Feet

Coordinate System: NAD 1983 2011 StatePlane Texas South Central FIPS 4204 FtUS
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed August, 2019.

Uranium Energy Corp

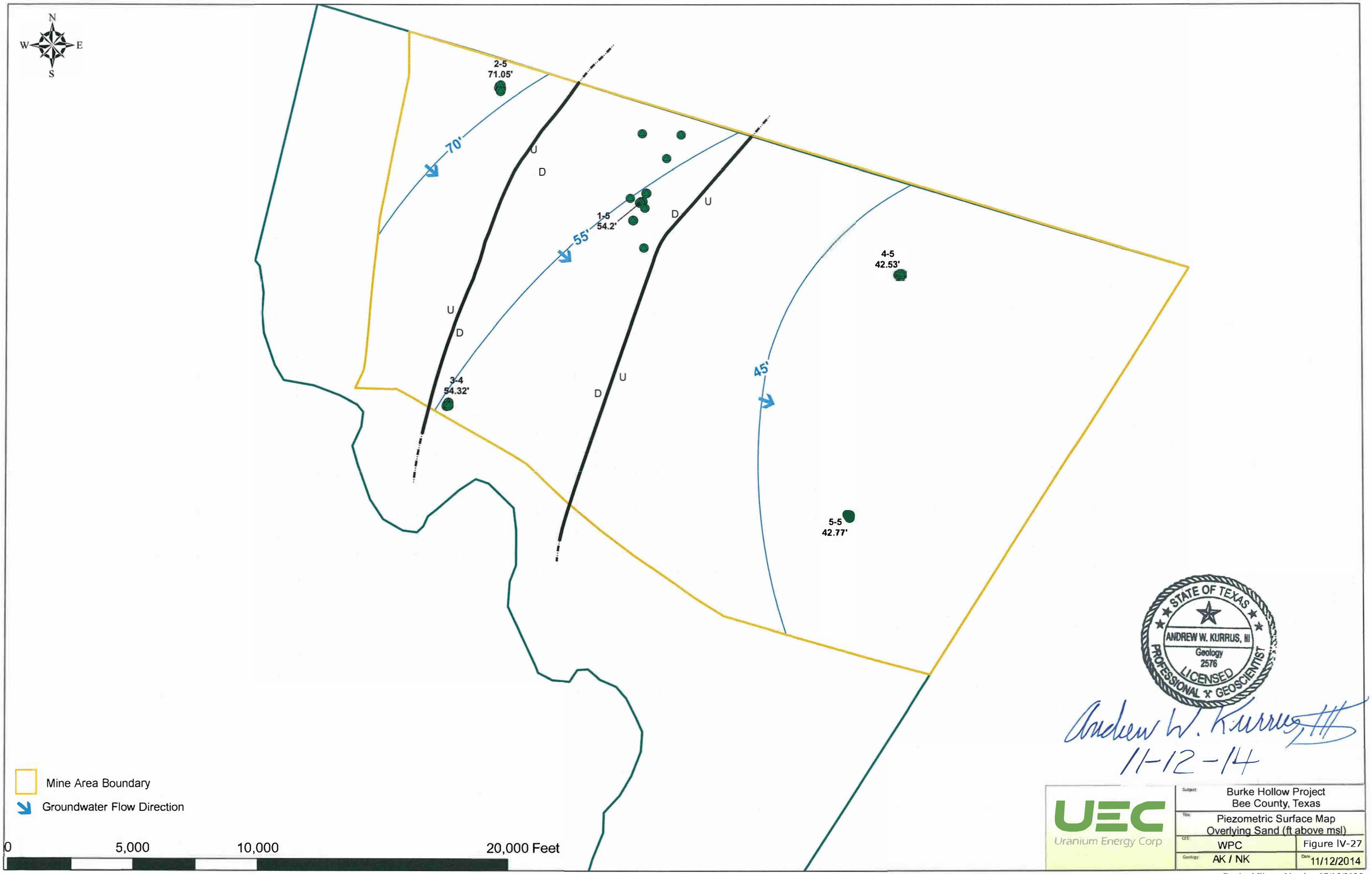
Burke Hollow Project
Bee County, Texas

FigureIV-26

Cross Section Reference Map	Date: 2/18/2025
Geology: AK/NK/JP	Drafting: JP

0 500 1,000 2,000 3,000 4,000 Feet

Coordinate System: NAD 1983 2011 StatePlane Texas South Central FIPS 4204 FtUS
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US



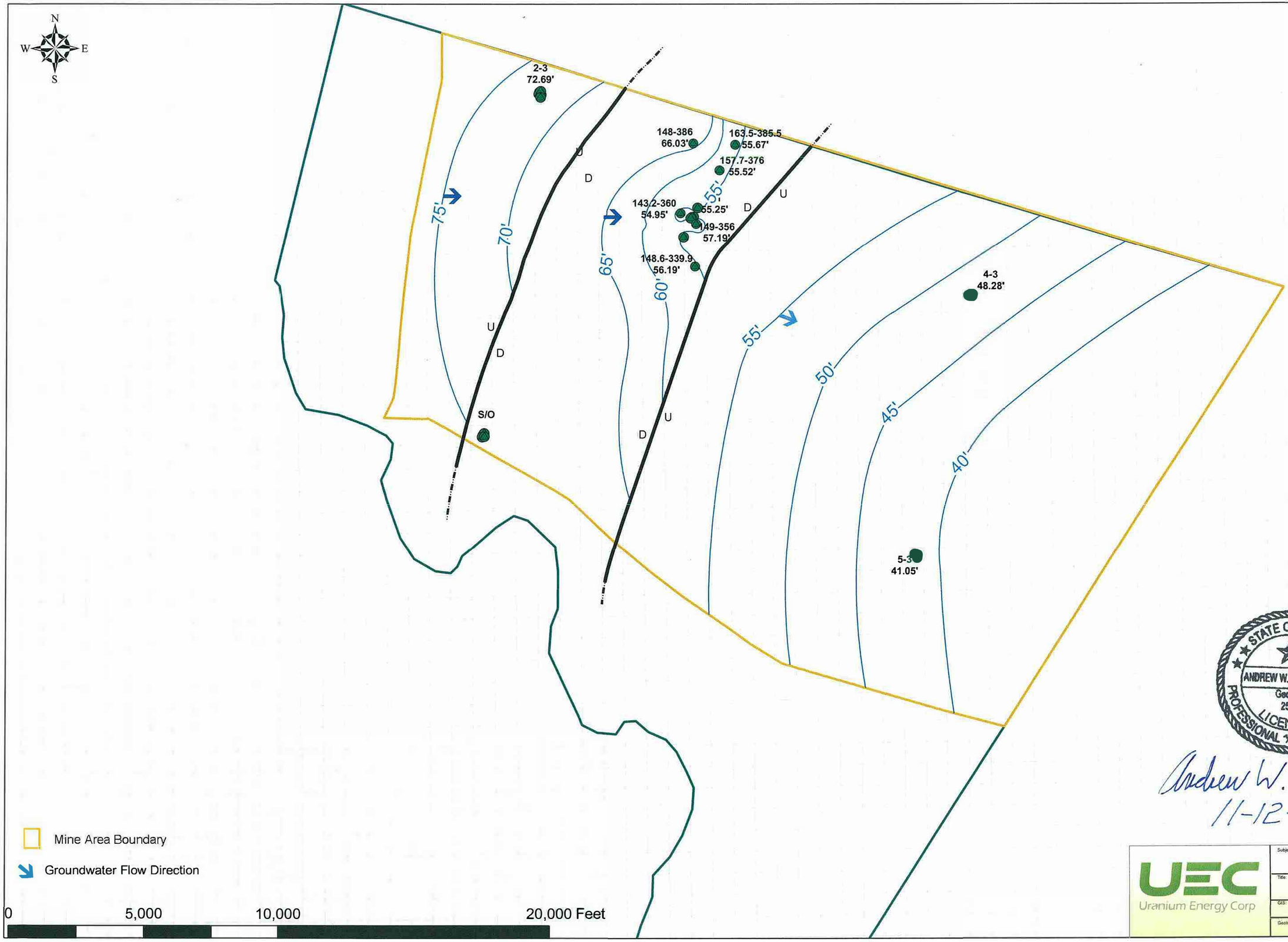
STATE OF TEXAS
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Geology
2576
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Andrew W. Kurrus, III
11-12-14

UEC
Uranium Energy Corp

Subject: Burke Hollow Project Bee County, Texas	
Title: Piezometric Surface Map Overlying Sand (ft above msl)	
GIS: WPC	Figure IV-27
Geology: AK / NK	Date: 11/12/2014

Revised Figure Number 07/15/2025



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Revised Figure Number 07/15/2025

Uranium Energy Corp

Subject:	Burke Hollow Project Bee County, Texas
Title:	Piezometric Surface Map Lower A Sand (ft above msl)
GIS: WPC	Figure IV-28
Geology: AK / NK	Date: 11/12/2014

N
W E
S

2-4A
74.85

1-4
53.77'

4-4
44.82'

3-3
57.19'

5-4
41.68'

7.5'

55'

45'

40'

U
D

Mine Area Boundary

Groundwater Flow Direction

0 5,000 10,000 20,000 Feet

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Revised Figure Number 07/15/2025

Uranium Energy Corp

Subject:	Burke Hollow Project Bee County, Texas	
Title:	Piezometric Surface Map Upper B Sand (ft above msl)	
GIS:	WPC	Figure IV-29
Geology:	AK / NK	Date 11/12/2014

N
W E
S

2-2
79.52'

1-2
60.96'

3-2
58.77'

4-2
52.55'

5-2B
42.31'

80'
60'
55'
50'
45'
40'

U
D

Mine Area Boundary
Groundwater Flow Direction

0 5,000 10,000 20,000 Feet

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Revised Figure Number 07/15/2025

Uranium Energy Corp

Subject: Burke Hollow Project Bee County, Texas	
Title: Piezometric Surface Map Lower B Sand (ft above msl)	
Grid: WPC	Figure IV-30
Geology: AK / NK	Date: 11/12/2014

N
W E
S

No Data

1-3
61.35'

3-1
62.32'

4-1
48.35'

5-1
51.5'

U
D

60'
55'
50'
45'

Mine Area Boundary
Groundwater Flow Direction

0 5,000 10,000 20,000 Feet

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Revised Figure Number 07/15/2025

Uranium Energy Corp

Subject:	Burke Hollow Project Bee County, Texas
Title:	Piezometric Surface Map Underlying Sand (ft above msl)
GIS: WPC	Figure IV-31
Geology: AK / NK	Date: 11/12/2014

28.308818, -97.551756

28.281468, -97.454587

28.269344, -97.559016

28.236883, -97.487777

Mine Permit Area of Review

Mine Area Boundary - 11,359 Acres

Mine Lease Area - 17,510 Acres

1 inch = 1 miles

0 5,000 10,000 20,000 30,000 40,000 Feet

3-25-14

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Burke Hollow Project
Bee County
Figure IV-32
Revised Figure Number 07/15/2025

DATE: September 17, 2013

Map By: WCapak

Revision: Rev 2 - 3/10/2014

Permit Area Location

N
W
E
S

ISR Facility

WDW-447

WDW-448

Burke Hollow

Aransas River

Panther Hollow

Sous Creek

Bee County
Refugio County

Legend

- Disposal_Well
- BH_Surface_Construction_1
- Current_AE_032825
- Eastern_Lower_B_Trends_PA1
- East_Side_Lower_A_PA3
- Graben_Trends_PA2
- Lower_Graben_Lower-A Trends
- Lower_Graben_Upper-B_Trends
- Burke Hollow Lease-17,510 Acres
- Quarter_Mile_Area_Of_Review
- Mine Permit-11,359 Acres
- Proposed Aquifer Exemption-8,625.95 Acres
- PAA1-380.3 Acres
- Future PAA2-(Appx.) 282.8 Acres
- Future PAA3-(Appx.) 247.3 Acres
- Future PA4-(Appx.) 129 Acres

STATE OF TEXAS
ANDREW W. KURRUS, III
Geology
2578
LICENSED
PROFESSIONAL GEOSCIENTIST

Andrew W. Kurrus III
4-10-25

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed August, 2019.

Uranium Energy Corp

Burke Hollow Project

Bee County, Texas

Drafting: JP	Date: 4/1/2025
Geology: AK/NK/JP	FigureIV-33 Topographic Map

0 2,000 4,000 8,000 12,000 16,000 Feet

Revised Figure Number 07/15/2025

Coordinate System: NAD 1983 2011 StatePlane Texas South Central FIPS 4204 FtUS
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

N
W E
S

ISR Facility

WDW-447

WDW-448

Burke Hollow

Aransas River

Panther Hollow

Bowdy Creek

Sous Creek

BEE COUNTY
REFUGIO COUNTY

SILVER CREEK RD

STATE OF TEXAS
ANDREW W. KURRUS, III
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Andrew W. Kurrus III
4-10-25

Legend

- Disposal_Well
- BH_Surface_Construction_1
- Current_AE_032825
- Eastern_Lower_B_Trends_PA1
- East_Side_Lower_A_PA3
- Graben_Trends_PA2
- Lower_Graben_Lower-A Trends
- Lower_Graben_Upper-B_Trends
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- Quarter_Mile_Area_Of_Review
- Mine Permit-11,359 Acres
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- PAA1-380.3 Acres
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- Future PAA3-(Appx.) 247.3 Acres
- Future PA4-(Appx.) 129 Acres

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed August, 2019.

Uranium Energy Corp

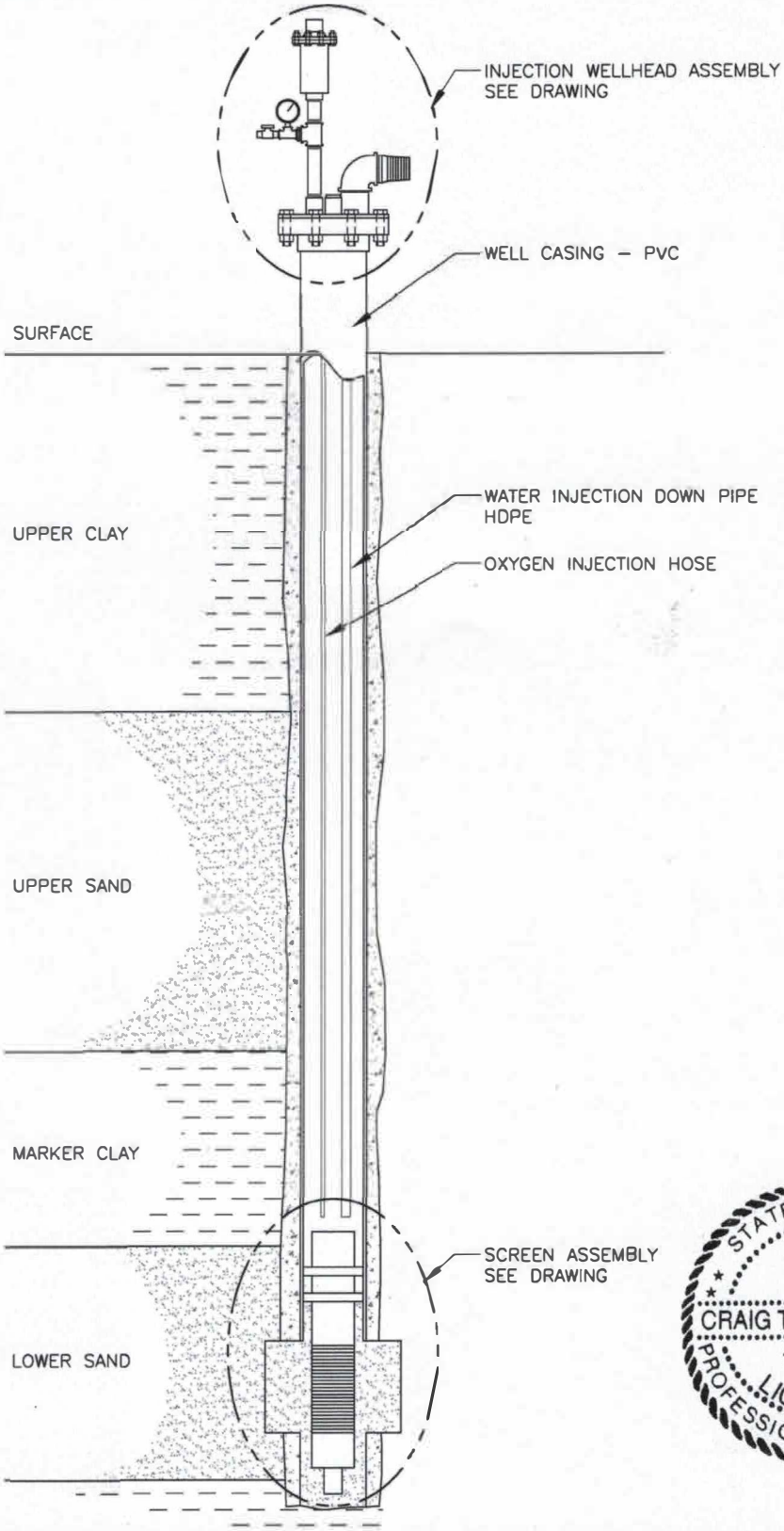
Burke Hollow Project

Bee County, Texas

Drafting: JP	Date: 4/1/2025
Geology: AK/NK/JP	FigureIV-33 Topographic Map

0 2,000 4,000 8,000 12,000 16,000 Feet

Coordinate System: NAD 1983 2011 StatePlane Texas South Central FIPS 4204 FtUS
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US



STATE OF TEXAS
CRAIG T. BORDOVSKY
104905
LICENSED
PROFESSIONAL ENGINEER
3/3/25

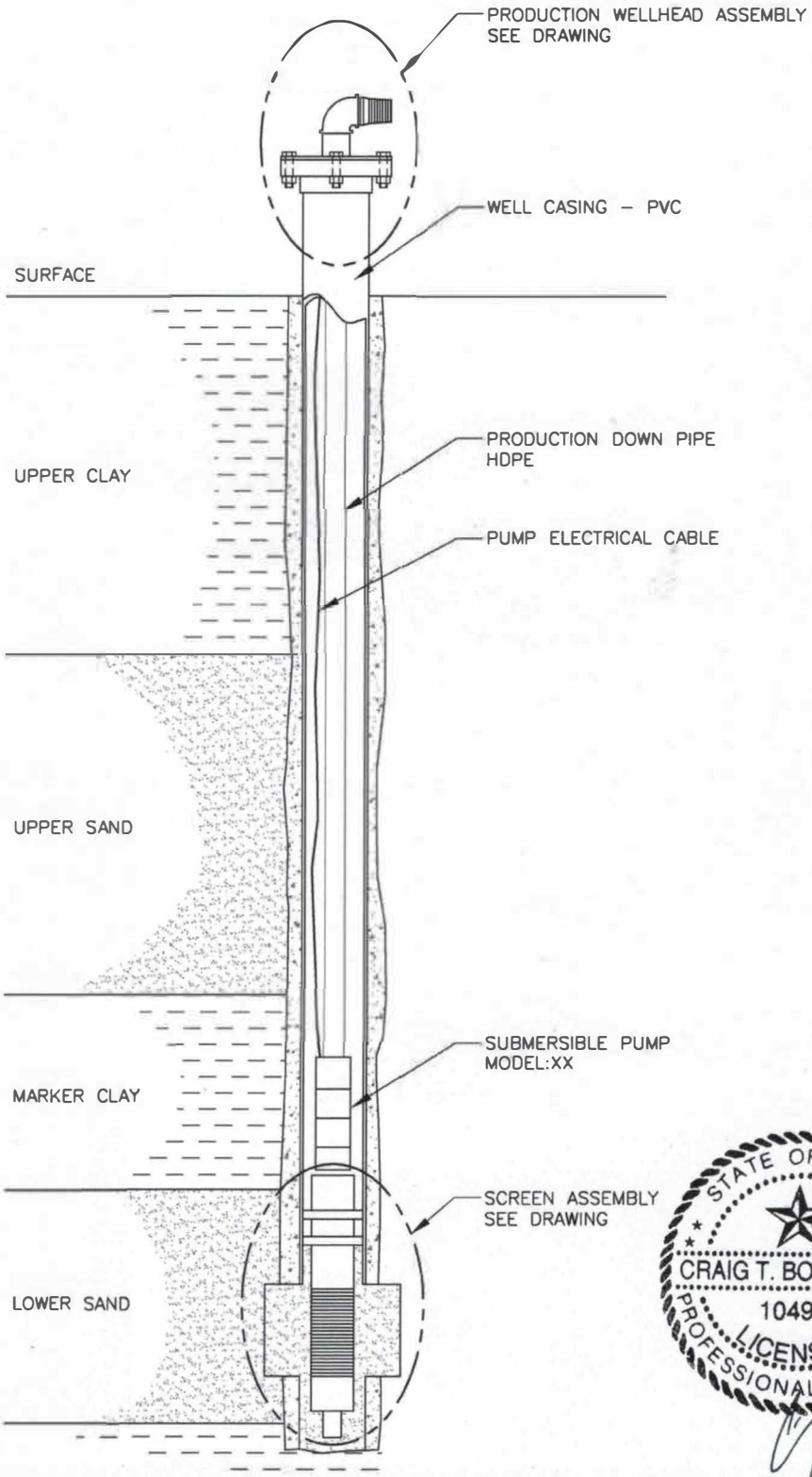
Uranium Energy Corp

Figure V-1

INJECTION WELL
COMPLETE WELL SCHEMATIC

JOB NO.	
DATE:	9/18/08
SCALE:	NONE
APPROVED BY:	
DRAWN BY:	CB
DRAWING NO.	

REV.	DATE	
		Revised Figure Number 07/15/2025
		03/03/2025



STATE OF TEXAS
CRAIG T. BORDOVSKY
104905
LICENSED
PROFESSIONAL ENGINEER
3/3/25

Uranium Energy Corp

Figure V-II

PRODUCTION WELL COMPLETE WELL SCHEMATIC

JOB NO.	
DATE:	9/18/08
SCALE:	NONE
APPROVED BY:	
DRAWN BY:	CB
DRAWING NO.	

REV.	DATE	
		Revised Figure Number 07/15/2025
		03/03/2025

-97.551756 ,28.308818

28.306344, -97.542416

-97.559016 ,28.269344

28.267632, -97.55076

28.281701, -97.455263

-97.454587 ,28.281468

28.247718, -97.480206

-97.487777 ,28.236883

ISR Facility

WDW-447

WDW-448

BH WW#1

BH-1

BH-2

BH-4

BH-5

BH-6

BH-7

BH-8

BH-10 (BH-10)

BH-11

BH-12

North Hunting Camp Well #1

North Hunting Camp Well #2

South Hunting Camp Well #1

Ranch Well 4

112495

176975

415212

54828

54829

381879

495040

201739

381880

150941

7945701

156106

573980

7945703

440737

7945704

7953104

395552

566935

Burkes Ridge

Aransas River

Panther Hollow

Mesquite

Buck Hollow

Bogg Creek

Soss Creek

Davis Road

BEE COUNTY

REFUGIO COUNTY

TEXA

CREEK RD

Legend

- Ranch_Wells
- TWDB_Wells
- Disposal_Well
- BH_Surface_Construction_1
- Groundwater_Gradient
- Current_AE_032825
- Eastern_Lower_B_Trends_PA1
- East_Side_Lower_A_PA3
- Graben_Trends_PA2
- Lower_Graben_Lower-A Trends
- Lower_Graben_Upper-B_Trends
- Current_AE_Bound_poly
- Burke Hollow Lease-17,510 Acres
- Quarter_Mile_Area_Of_Review
- Mine Permit-11,359 Acres
- Proposed Aquifer Exemption-8,625.95 Acres
- Permit Exploration Area-82,779 Acres
- PAA1-380.3 Acres
- Future PAA2-(Appx.) 282.8 Acres
- Future PAA3-(Appx.) 247.3 Acres
- Future PA4-(Appx.) 129 Acres

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USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed August, 2019.

Uranium Energy Corp

Burke Hollow Project

Bee County, Texas

Drafting: JP	Date: 4/1/2025
Geology: AK/NK/JP	Figure X Aquifer Exemption

Revised Figure Number 07/15/2025

0 2,000 4,000 8,000 12,000 16,000 Feet

Coordinate System: NAD 1983 2011 StatePlane Texas South Central FIPS 4204 FtUS
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

February 10, 2014

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline
Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline
Suite 800
Corpus Christi, TX 78401

Project ID: La Palangana
ACZ Project ID: L16529

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 23, 2014. This project has been assigned to ACZ's project number, L16529. 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 L16529. 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 March 12, 2014. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

Uranium Energy Corp
Project ID: La Palangana
Sample ID: BH 148.0-386

ACZ Sample ID: ***L16529-01***
Date Sampled: *01/21/14 12:35*
Date Received: *01/23/14*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0132			mg/L	0.0002	0.001	02/05/14 4:45	pmc
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	02/05/14 4:45	pmc
Calcium, dissolved	M200.7 ICP	1	49		*	mg/L	0.2	1	01/29/14 14:39	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	01/29/14 14:39	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	02/05/14 4:45	pmc
Magnesium, dissolved	M200.7 ICP	1	13.4			mg/L	0.2	1	01/29/14 14:39	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	01/29/14 14:39	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	01/29/14 12:17	mfm
Molybdenum, dissolved	M200.7 ICP	1	0.04	B		mg/L	0.02	0.1	01/29/14 14:39	aeb
Potassium, dissolved	M200.7 ICP	1	8.6			mg/L	0.3	2	01/29/14 14:39	aeb
Selenium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0003	02/06/14 3:18	pmc
Silica, dissolved	M200.7 ICP	1	27.5			mg/L	0.4	2	01/29/14 14:39	aeb
Sodium, dissolved	M200.7 ICP	1	201			mg/L	0.3	2	01/29/14 14:39	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.1736			mg/L	0.0001	0.0005	02/05/14 4:45	pmc

Uranium Energy Corp
Project ID: La Palangana
Sample ID: BH 148.0-386

ACZ Sample ID: ***L16529-01***
Date Sampled: *01/21/14 12:35*
Date Received: *01/23/14*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	312			mg/L	2	20	01/30/14 0:00	abd
Carbonate as CaCO3		1		U		mg/L	2	20	01/30/14 0:00	abd
Hydroxide as CaCO3		1		U		mg/L	2	20	01/30/14 0:00	abd
Total Alkalinity		1	312		*	mg/L	2	20	01/30/14 0:00	abd
Cation-Anion Balance	Calculation									
Cation-Anion Balance			4.0			%			02/10/14 9:09	calc
Sum of Anions			12			meq/L	0.1	0.5	02/10/14 9:09	calc
Sum of Cations			13			meq/L	0.1	0.5	02/10/14 9:09	calc
Chloride	SM4500Cl-E	10	190		*	mg/L	10	50	02/04/14 14:14	tcd
Conductivity @25C	SM2510B	1	1310			umhos/cm	1	10	01/30/14 10:33	abd
Fluoride	SM4500F-C	1	0.7		*	mg/L	0.1	0.5	02/05/14 13:54	and
Lab Filtration (0.45um filter)	SOPWC050	1							02/05/14 11:22	abd
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					01/27/14 10:36	jrd
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							01/27/14 12:24	las
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			UH		mg/L	0.02	0.1	02/10/14 9:09	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		UH	*	mg/L	0.02	0.1	01/23/14 19:49	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		UH	*	mg/L	0.01	0.05	01/23/14 19:49	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	02/05/14 13:50	tcd
pH (lab)	SM4500H+ B									
pH		1	8.1	H		units	0.1	0.1	01/30/14 0:00	abd
pH measured at		1	21			C	0.1	0.1	01/30/14 0:00	abd
Residue, Filterable (TDS) @180C	SM2540C	1	740	H	*	mg/L	10	20	01/29/14 18:34	khw
Sulfate	D516-02 - Turbidimetric	1		U	*	mg/L	1	5	02/05/14 18:09	bsu
TDS (calculated)	Calculation		677			mg/L	10	50	02/10/14 9:09	calc
TDS (ratio - measured/calculated)	Calculation		1.09						02/10/14 9:09	calc

Uranium Energy Corp
Project ID: La Palangana
Sample ID: BH 149-356

ACZ Sample ID: ***L16529-02***
Date Sampled: *01/21/14 14:05*
Date Received: *01/23/14*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0053			mg/L	0.0002	0.001	02/05/14 4:55	pmc
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	02/05/14 4:55	pmc
Calcium, dissolved	M200.7 ICP	1	49.7		*	mg/L	0.2	1	01/29/14 14:42	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	01/29/14 14:42	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	02/05/14 4:55	pmc
Magnesium, dissolved	M200.7 ICP	1	14.1			mg/L	0.2	1	01/29/14 14:42	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	01/29/14 14:42	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	01/29/14 12:24	mfm
Molybdenum, dissolved	M200.7 ICP	1	0.09	B		mg/L	0.02	0.1	01/29/14 14:42	aeb
Potassium, dissolved	M200.7 ICP	1	4.3			mg/L	0.3	2	01/29/14 14:42	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0001	B		mg/L	0.0001	0.0003	02/06/14 3:21	pmc
Silica, dissolved	M200.7 ICP	1	29.9			mg/L	0.4	2	01/29/14 14:42	aeb
Sodium, dissolved	M200.7 ICP	1	216			mg/L	0.3	2	01/29/14 14:42	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.1472			mg/L	0.0001	0.0005	02/05/14 4:55	pmc

Uranium Energy Corp
Project ID: La Palangana
Sample ID: BH 149-356

ACZ Sample ID: ***L16529-02***
Date Sampled: *01/21/14 14:05*
Date Received: *01/23/14*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	322			mg/L	2	20	01/30/14 0:00	abd
Carbonate as CaCO3		1		U		mg/L	2	20	01/30/14 0:00	abd
Hydroxide as CaCO3		1		U		mg/L	2	20	01/30/14 0:00	abd
Total Alkalinity		1	322		*	mg/L	2	20	01/30/14 0:00	abd
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.7			%			02/10/14 9:09	calc
Sum of Anions			14			meq/L	0.1	0.5	02/10/14 9:09	calc
Sum of Cations			13			meq/L	0.1	0.5	02/10/14 9:09	calc
Chloride	SM4500Cl-E	10	200		*	mg/L	10	50	02/04/14 14:14	tcd
Conductivity @25C	SM2510B	1	1390			umhos/cm	1	10	01/30/14 10:34	abd
Fluoride	SM4500F-C	1	0.8		*	mg/L	0.1	0.5	02/05/14 13:58	and
Lab Filtration (0.45um filter)	SOPWC050	1							02/05/14 11:24	abd
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					01/27/14 10:48	jrd
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							01/27/14 12:36	las
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			UH		mg/L	0.02	0.1	02/10/14 9:09	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		UH	*	mg/L	0.02	0.1	01/23/14 19:52	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		UH	*	mg/L	0.01	0.05	01/23/14 19:52	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	02/05/14 13:51	tcd
pH (lab)	SM4500H+ B									
pH		1	8.1	H		units	0.1	0.1	01/30/14 0:00	abd
pH measured at		1	21			C	0.1	0.1	01/30/14 0:00	abd
Residue, Filterable (TDS) @180C	SM2540C	1	780	H	*	mg/L	10	20	01/29/14 18:35	khw
Sulfate	D516-02 - Turbidimetric	5	93.7		*	mg/L	5	25	02/05/14 18:16	bsu
TDS (calculated)	Calculation		802			mg/L	10	50	02/10/14 9:09	calc
TDS (ratio - measured/calculated)	Calculation		0.97						02/10/14 9:09	calc

Uranium Energy Corp
Project ID: La Palangana
Sample ID: BH 148.6-339.9

ACZ Sample ID: ***L16529-03***
Date Sampled: *01/21/14 15:10*
Date Received: *01/23/14*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0262			mg/L	0.0002	0.001	02/05/14 4:58	pmc
Cadmium, dissolved	M200.8 ICP-MS	1	0.0001	B		mg/L	0.0001	0.0005	02/05/14 4:58	pmc
Calcium, dissolved	M200.7 ICP	1	15.3		*	mg/L	0.2	1	01/29/14 14:46	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	01/29/14 14:46	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	02/05/14 4:58	pmc
Magnesium, dissolved	M200.7 ICP	1	0.6	B		mg/L	0.2	1	01/29/14 14:46	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	01/29/14 14:46	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	01/29/14 12:31	mfm
Molybdenum, dissolved	M200.7 ICP	1	1.90			mg/L	0.02	0.1	01/29/14 14:46	aeb
Potassium, dissolved	M200.7 ICP	1	11.5			mg/L	0.3	2	01/29/14 14:46	aeb
Selenium, dissolved	M200.8 ICP-MS	10		U		mg/L	0.001	0.003	02/06/14 3:24	pmc
Silica, dissolved	M200.7 ICP	1	25.7			mg/L	0.4	2	01/29/14 14:46	aeb
Sodium, dissolved	M200.7 ICP	1	240			mg/L	0.3	2	01/29/14 14:46	aeb
Uranium, dissolved	M200.8 ICP-MS	10	1.350			mg/L	0.001	0.005	02/06/14 3:24	pmc

Uranium Energy Corp
Project ID: La Palangana
Sample ID: BH 148.6-339.9

ACZ Sample ID: ***L16529-03***
Date Sampled: *01/21/14 15:10*
Date Received: *01/23/14*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	122			mg/L	2	20	01/30/14 0:00	abd
Carbonate as CaCO3		1	51			mg/L	2	20	01/30/14 0:00	abd
Hydroxide as CaCO3		1		U		mg/L	2	20	01/30/14 0:00	abd
Total Alkalinity		1	172		*	mg/L	2	20	01/30/14 0:00	abd
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-4.0			%			02/10/14 9:09	calc
Sum of Anions			13			meq/L	0.1	0.5	02/10/14 9:09	calc
Sum of Cations			12			meq/L	0.1	0.5	02/10/14 9:09	calc
Chloride	SM4500Cl-E	10	220		*	mg/L	10	50	02/05/14 15:00	bsu
Conductivity @25C	SM2510B	1	1320			umhos/cm	1	10	01/30/14 10:36	abd
Fluoride	SM4500F-C	1	1.5		*	mg/L	0.1	0.5	02/05/14 14:02	and
Lab Filtration (0.45um filter)	SOPWC050	1							02/05/14 11:26	abd
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					01/27/14 11:00	jrd
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							01/27/14 12:48	las
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			UH		mg/L	0.02	0.1	02/10/14 9:09	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		UH	*	mg/L	0.02	0.1	01/23/14 19:53	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		UH	*	mg/L	0.01	0.05	01/23/14 19:53	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1	0.15	B	*	mg/L	0.05	0.5	02/05/14 13:52	tcd
pH (lab)	SM4500H+ B									
pH		1	9.3	H		units	0.1	0.1	01/30/14 0:00	abd
pH measured at		1	22			C	0.1	0.1	01/30/14 0:00	abd
Residue, Filterable (TDS) @180C	SM2540C	1	760	H	*	mg/L	10	20	01/29/14 18:37	khw
Sulfate	D516-02 - Turbidimetric	5	136		*	mg/L	5	25	02/05/14 18:16	bsu
TDS (calculated)	Calculation		754			mg/L	10	50	02/10/14 9:09	calc
TDS (ratio - measured/calculated)	Calculation		1.01						02/10/14 9:09	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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L16529***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358610													
WG358610PBW1	PBW	01/30/14 17:02				2.4	mg/L		-20	20			
WG358610LCSW1	LCSW	01/30/14 17:12	WC140128-	820.0001		818.1	mg/L	99.8	90	110			
L16531-01DUP	DUP	01/30/14 18:20			U	U	mg/L				0	20	RA
WG358610LCSW3	LCSW	01/30/14 19:46	WC140128-	820.0001		822.7	mg/L	100.3	90	110			
WG358610PBW2	PBW	01/30/14 19:54				U	mg/L		-20	20			
WG358610LCSW5	LCSW	01/30/14 22:43	WC140128-	820.0001		823.2	mg/L	100.4	90	110			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358858													
WG358858ICV	ICV	02/05/14 4:29	MS140106-2	.05		.05341	mg/L	106.8	90	110			
WG358858ICB	ICB	02/05/14 4:32				U	mg/L		-0.0006	0.0006			
WG358858LFB	LFB	02/05/14 4:36	MS140128-2	.0501		.05112	mg/L	102	85	115			
L16529-01AS	AS	02/05/14 4:48	MS140128-2	.0501	.0132	.06337	mg/L	100.1	70	130			
L16529-01ASD	ASD	02/05/14 4:51	MS140128-2	.0501	.0132	.06327	mg/L	99.9	70	130	0.16	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358858													
WG358858ICV	ICV	02/05/14 4:29	MS140106-2	.05		.05114	mg/L	102.3	90	110			
WG358858ICB	ICB	02/05/14 4:32				U	mg/L		-0.0003	0.0003			
WG358858LFB	LFB	02/05/14 4:36	MS140128-2	.0501		.05304	mg/L	105.9	85	115			
L16529-01AS	AS	02/05/14 4:48	MS140128-2	.0501	U	.05145	mg/L	102.7	70	130			
L16529-01ASD	ASD	02/05/14 4:51	MS140128-2	.0501	U	.05149	mg/L	102.8	70	130	0.08	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358496													
WG358496ICV	ICV	01/29/14 14:18	II131218-1	100		98.52	mg/L	98.5	95	105			
WG358496ICB	ICB	01/29/14 14:24				U	mg/L		-0.6	0.6			
WG358496LFB	LFB	01/29/14 14:36	II140117-2	68.00225		70.71	mg/L	104	85	115			
L16548-01AS	AS	01/29/14 14:52	II140117-2	68.00225	312	368.1	mg/L	82.5	85	115			M3
L16548-01ASD	ASD	01/29/14 14:55	II140117-2	68.00225	312	368.3	mg/L	82.8	85	115	0.05	20	M3

Uranium Energy Corp

ACZ Project ID: ***L16529***

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358810													
WG358810ICB	ICB	02/04/14 13:34				U	mg/L		-3	3			
WG358810ICV	ICV	02/04/14 13:34	WI130722-5	54.945		57.5	mg/L	104.7	90	110			
WG358810LFB1	LFB	02/04/14 14:01	WI131010-1	30		31	mg/L	103.3	90	110			
WG358810LFB2	LFB	02/04/14 14:05	WI131010-1	30		31.7	mg/L	105.7	90	110			
L16528-01AS	AS	02/04/14 14:14	10XCL	300	1100	1500	mg/L	133.3	90	110			M3
L16528-02DUP	DUP	02/04/14 14:14			810	827	mg/L				2.1	20	
WG358902													
WG358902ICB	ICB	02/05/14 11:27				U	mg/L		-3	3			
WG358902ICV	ICV	02/05/14 11:27	WI130722-5	54.945		56.9	mg/L	103.6	90	110			
WG358902LFB1	LFB	02/05/14 14:51	WI131010-1	30		31.5	mg/L	105	90	110			
L16548-01DUP	DUP	02/05/14 14:51			49	49.3	mg/L				0.6	20	
L16529-03AS	AS	02/05/14 15:00	10XCL	30	220	246	mg/L	86.7	90	110			M3
WG358902LFB2	LFB	02/05/14 15:09	WI131010-1	30		31.6	mg/L	105.3	90	110			

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358576													
WG358576LCSW1	LCSW	01/30/14 10:08	PCN42442	1408.8		1525.6	umhos/cm	108.3	90	110			
L16531-03DUP	DUP	01/30/14 10:42			7000	7039.6	umhos/cm				0.6	20	
WG358576LCSW2	LCSW	01/30/14 10:44	PCN42442	1408.8		1520.5	umhos/cm	107.9	90	110			
WG358576LCSW3	LCSW	01/30/14 11:21	PCN42442	1408.8		1477.9	umhos/cm	104.9	90	110			
WG358576LCSW4	LCSW	01/30/14 11:58	PCN42442	1408.8		1456.6	umhos/cm	103.4	90	110			
WG358576LCSW5	LCSW	01/30/14 12:36	PCN42442	1408.8		1450.5	umhos/cm	103	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358884													
WG358884ICV	ICV	02/05/14 13:22	WC140130-	2.006		1.93	mg/L	96.2	95	105			
WG358884ICB	ICB	02/05/14 13:27				U	mg/L		-0.3	0.3			
WG358884LFB1	LFB	02/05/14 13:35	WC140103-	5.025		4.91	mg/L	97.7	90	110			
L16528-01AS	AS	02/05/14 13:42	WC140103-	5.025	.4	5	mg/L	91.5	90	110			
L16528-01DUP	DUP	02/05/14 13:46			.4	.39	mg/L				2.5	20	RA
WG358884LFB2	LFB	02/05/14 16:43	WC140103-	5.025		5.2	mg/L	103.5	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358496													
WG358496ICV	ICV	01/29/14 14:18	II131218-1	2		2.014	mg/L	100.7	95	105			
WG358496ICB	ICB	01/29/14 14:24				U	mg/L		-0.06	0.06			
WG358496LFB	LFB	01/29/14 14:36	II140117-2	1.0014		1.083	mg/L	108.1	85	115			
L16548-01AS	AS	01/29/14 14:52	II140117-2	1.0014	U	1.064	mg/L	106.3	85	115			
L16548-01ASD	ASD	01/29/14 14:55	II140117-2	1.0014	U	1.06	mg/L	105.9	85	115	0.38	20	

Uranium Energy Corp

ACZ Project ID: ***L16529***

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358858													
WG358858ICV	ICV	02/05/14 4:29	MS140106-2	.05		.05299	mg/L	106	90	110			
WG358858ICB	ICB	02/05/14 4:32				U	mg/L		-0.0003	0.0003			
WG358858LFB	LFB	02/05/14 4:36	MS140128-2	.05005		.05248	mg/L	104.9	85	115			
L16529-01AS	AS	02/05/14 4:48	MS140128-2	.05005	U	.04654	mg/L	93	70	130			
L16529-01ASD	ASD	02/05/14 4:51	MS140128-2	.05005	U	.04593	mg/L	91.8	70	130	1.32	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358496													
WG358496ICV	ICV	01/29/14 14:18	II131218-1	100		97.39	mg/L	97.4	95	105			
WG358496ICB	ICB	01/29/14 14:24				U	mg/L		-0.6	0.6			
WG358496LFB	LFB	01/29/14 14:36	II140117-2	49.99695		50.07	mg/L	100.1	85	115			
L16548-01AS	AS	01/29/14 14:52	II140117-2	49.99695	43.7	92.46	mg/L	97.5	85	115			
L16548-01ASD	ASD	01/29/14 14:55	II140117-2	49.99695	43.7	92.58	mg/L	97.8	85	115	0.13	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358496													
WG358496ICV	ICV	01/29/14 14:18	II131218-1	2		2.0048	mg/L	100.2	95	105			
WG358496ICB	ICB	01/29/14 14:24				U	mg/L		-0.015	0.015			
WG358496LFB	LFB	01/29/14 14:36	II140117-2	.501		.5429	mg/L	108.4	85	115			
L16548-01AS	AS	01/29/14 14:52	II140117-2	.501	U	.5374	mg/L	107.3	85	115			
L16548-01ASD	ASD	01/29/14 14:55	II140117-2	.501	U	.5353	mg/L	106.8	85	115	0.39	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358479													
WG358479ICV	ICV	01/29/14 12:00	II140128-3	.005005		.0052	mg/L	103.9	95	105			
WG358479ICB	ICB	01/29/14 12:02				U	mg/L		-0.0002	0.0002			
WG358479LRB	LRB	01/29/14 12:07				U	mg/L		-0.00044	0.00044			
WG358479LFB	LFB	01/29/14 12:09	II140107-7	.002002		.00214	mg/L	106.9	85	115			
L16529-01LFM	LFM	01/29/14 12:20	II140107-7	.002002	U	.00198	mg/L	98.9	85	115			
L16529-01LFMD	LFMD	01/29/14 12:22	II140107-7	.002002	U	.00198	mg/L	98.9	85	115	0	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358496													
WG358496ICV	ICV	01/29/14 14:18	II131218-1	2		2.036	mg/L	101.8	95	105			
WG358496ICB	ICB	01/29/14 14:24				U	mg/L		-0.06	0.06			
WG358496LFB	LFB	01/29/14 14:36	II140117-2	.5		.527	mg/L	105.4	85	115			
L16548-01AS	AS	01/29/14 14:52	II140117-2	.5	U	.524	mg/L	104.8	85	115			
L16548-01ASD	ASD	01/29/14 14:55	II140117-2	.5	U	.526	mg/L	105.2	85	115	0.38	20	

Uranium Energy Corp

ACZ Project ID: ***L16529***

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358263													
WG358263ICV	ICV	01/23/14 19:22	WI140116-3	2.416		2.344	mg/L	97	90	110			
WG358263ICB	ICB	01/23/14 19:23				U	mg/L		-0.06	0.06			
WG358263LFB	LFB	01/23/14 19:26	WI130816-3	2		2.003	mg/L	100.2	90	110			
L16528-01AS	AS	01/23/14 19:45	WI130816-3	2	.19	2.185	mg/L	99.8	90	110			
L16528-02DUP	DUP	01/23/14 19:48			U	.024	mg/L				200	20	RA

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358263													
WG358263ICV	ICV	01/23/14 19:22	WI140116-3	.609		.61	mg/L	100.2	90	110			
WG358263ICB	ICB	01/23/14 19:23				U	mg/L		-0.03	0.03			
WG358263LFB	LFB	01/23/14 19:26	WI130816-3	1		1.036	mg/L	103.6	90	110			
L16528-01AS	AS	01/23/14 19:45	WI130816-3	1	U	.989	mg/L	98.9	90	110			
L16528-02DUP	DUP	01/23/14 19:48			U	U	mg/L				0	20	RA

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358899													
WG358899ICV	ICV	02/05/14 13:41	WI131021-1	1.003		.989	mg/L	98.6	90	110			
WG358899ICB	ICB	02/05/14 13:44				U	mg/L		-0.15	0.15			
WG358899LFB1	LFB	02/05/14 13:45	WI140113-8	1		1.044	mg/L	104.4	90	110			
L16528-01AS	AS	02/05/14 13:47	WI140113-8	1	.21	1.191	mg/L	98.1	90	110			
L16528-02DUP	DUP	02/05/14 13:49			U	U	mg/L				0	20	RA
WG358899LFB2	LFB	02/05/14 14:16	WI140113-8	1		1.018	mg/L	101.8	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358610													
WG358610LCSW2	LCSW	01/30/14 17:15	PCN40852	6		6.01	units	100.2					
L16531-01DUP	DUP	01/30/14 18:20			3.5	3.42	units				2.3	20	
WG358610LCSW4	LCSW	01/30/14 19:48	PCN40852	6		6.02	units	100.3					
WG358610LCSW6	LCSW	01/30/14 22:45	PCN40852	6		6.01	units	100.2					

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358496													
WG358496ICV	ICV	01/29/14 14:18	II131218-1	20		19.93	mg/L	99.7	95	105			
WG358496ICB	ICB	01/29/14 14:24				U	mg/L		-0.9	0.9			
WG358496LFB	LFB	01/29/14 14:36	II140117-2	99.94539		101.5	mg/L	101.6	85	115			
L16548-01AS	AS	01/29/14 14:52	II140117-2	99.94539	7.8	111.7	mg/L	104	85	115			
L16548-01ASD	ASD	01/29/14 14:55	II140117-2	99.94539	7.8	112	mg/L	104.3	85	115	0.27	20	

Uranium Energy Corp

ACZ Project ID: ***L16529***

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358558													
WG358558PBW	PBW	01/29/14 18:25				U	mg/L		-20	20			
WG358558LCSW	LCSW	01/29/14 18:26	PCN44718	260		250	mg/L	96.2	80	120			
L16552-02DUP	DUP	01/29/14 18:41			1400	1428	mg/L				2	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358925													
WG358925ICV	ICV	02/06/14 2:59	MS140106-2	.05		.05035	mg/L	100.7	90	110			
WG358925ICB	ICB	02/06/14 3:02				U	mg/L		-0.0003	0.0003			
WG358925LFB	LFB	02/06/14 3:05	MS140128-2	.05005		.04786	mg/L	95.6	85	115			
L16481-01AS	AS	02/06/14 3:12	MS140128-2	.5005	.003	.4926	mg/L	97.8	70	130			
L16481-01ASD	ASD	02/06/14 3:15	MS140128-2	.5005	.003	.4832	mg/L	95.9	70	130	1.93	20	

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358496													
WG358496ICV	ICV	01/29/14 14:18	II131218-1	42.8		44.15	mg/L	103.2	95	105			
WG358496ICB	ICB	01/29/14 14:24				U	mg/L		-1.2	1.2			
WG358496LFB	LFB	01/29/14 14:36	II140117-2	21.428		23.69	mg/L	110.6	85	115			
L16548-01AS	AS	01/29/14 14:52	II140117-2	21.428	43.1	64.48	mg/L	99.8	85	115			
L16548-01ASD	ASD	01/29/14 14:55	II140117-2	21.428	43.1	64.74	mg/L	101	85	115	0.4	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358496													
WG358496ICV	ICV	01/29/14 14:18	II131218-1	100		98.98	mg/L	99	95	105			
WG358496ICB	ICB	01/29/14 14:24				U	mg/L		-0.9	0.9			
WG358496LFB	LFB	01/29/14 14:36	II140117-2	100.0204		101.3	mg/L	101.3	85	115			
L16548-01AS	AS	01/29/14 14:52	II140117-2	100.0204	48.3	149.5	mg/L	101.2	85	115			
L16548-01ASD	ASD	01/29/14 14:55	II140117-2	100.0204	48.3	149.7	mg/L	101.4	85	115	0.13	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358914													
WG358914ICB	ICB	02/05/14 15:59				U	mg/L		-3	3			
WG358914ICV	ICV	02/05/14 15:59	WI140128-2	20		19.5	mg/L	97.5	90	110			
WG358914LFB	LFB	02/05/14 18:09	WI131010-2	9.99		9.6	mg/L	96.1	90	110			
L16528-01DUP	DUP	02/05/14 18:16			1500	1520	mg/L				1.3	20	
L16528-02AS	AS	02/05/14 18:36	SO4TURB12	10.0000008	1890	1880	mg/L	-100	90	110			M3

Uranium Energy Corp

ACZ Project ID: ***L16529***

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG358858													
WG358858ICV	ICV	02/05/14 4:29	MS140106-2	.05		.05188	mg/L	103.8	90	110			
WG358858ICB	ICB	02/05/14 4:32				U	mg/L		-0.0003	0.0003			
WG358858LFB	LFB	02/05/14 4:36	MS140128-2	.05		.05266	mg/L	105.3	85	115			
L16529-01AS	AS	02/05/14 4:48	MS140128-2	.05	.1736	.2196	mg/L	92	70	130			
L16529-01ASD	ASD	02/05/14 4:51	MS140128-2	.05	.1736	.2172	mg/L	87.2	70	130	1.1	20	
WG358925													
WG358925ICV	ICV	02/06/14 2:59	MS140106-2	.05		.05012	mg/L	100.2	90	110			
WG358925ICB	ICB	02/06/14 3:02				.00015	mg/L		-0.0003	0.0003			
WG358925LFB	LFB	02/06/14 3:05	MS140128-2	.05		.04846	mg/L	96.9	85	115			
L16481-01AS	AS	02/06/14 3:12	MS140128-2	.5	.949	1.465	mg/L	103.2	70	130			
L16481-01ASD	ASD	02/06/14 3:15	MS140128-2	.5	.949	1.476	mg/L	105.4	70	130	0.75	20	

Uranium Energy Corp ACZ Project ID: ***L16529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L16529-01	WG358496	Calcium, dissolved	M200.7 ICP	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.
	WG358810	Chloride	SM4500Cl-E	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.
			SM4500Cl-E	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG358884	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG358263	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	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).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	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).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG358899	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG358558	Residue, Filterable (TDS) @180C	SM2540C	HC	Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.
	WG358914	Sulfate	D516-02 - Turbidimetric	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.
	WG358610	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Uranium Energy Corp ACZ Project ID: ***L16529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L16529-02	WG358496	Calcium, dissolved	M200.7 ICP	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.
	WG358810	Chloride	SM4500Cl-E	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.
			SM4500Cl-E	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
	WG358884	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG358263	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	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).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	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).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG358899	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG358558	Residue, Filterable (TDS) @180C	SM2540C	HC	Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.
	WG358914	Sulfate	D516-02 - Turbidimetric	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.
	WG358610	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Uranium Energy Corp ACZ Project ID: ***L16529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L16529-03	WG358496	Calcium, dissolved	M200.7 ICP	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.
	WG358902	Chloride	SM4500Cl-E	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.
	WG358884	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG358263	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	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).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	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).
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG358899	Nitrogen, ammonia	M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG358558	Residue, Filterable (TDS) @180C	SM2540C	HC	Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.
	WG358914	Sulfate	D516-02 - Turbidimetric	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.
	WG358610	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration 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 Energy Corp
Project ID: La Palangana
Sample ID: BH 148.0-386
Locator:

ACZ Sample ID: ***L16529-01***
Date Sampled: *01/21/14 12:35*
Date Received: *01/23/14*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/04/14 0:10		96	1.2	0.08	pCi/L	*	jrd

Uranium Energy Corp
Project ID: La Palangana
Sample ID: BH 149-356
Locator:

ACZ Sample ID: ***L16529-02***
Date Sampled: *01/21/14 14:05*
Date Received: *01/23/14*
Sample Matrix: *Ground Water*

Radium 226, dissolved

Prep Method:
M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/04/14 0:11		130	1.6	0.34	pCi/L	*	jrd

Uranium Energy Corp
Project ID: La Palangana
Sample ID: BH 148.6-339.9
Locator:

ACZ Sample ID: ***L16529-03***
Date Sampled: *01/21/14 15:10*
Date Received: *01/23/14*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	02/04/14 0:12		94	1.3	0.22	pCi/L	*	jrd

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L16529***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG358878																
WG358454PBW	PBW	02/04/14						.33	0.13	0.32			0.64			
WG358454LCSW	LCSW	02/04/14	PCN44714	20				22	0.68	0.16	110	43	148			
L16528-01DUP	DUP-RER	02/04/14			150	1.8	0.21	130	1.5	0.18				8.54	2	RN
L16528-01DUP	DUP-RPD	02/04/14			150	1.8	0.21	130	1.5	0.18				14.3	20	
L16529-01MS	MS	02/04/14	PCN44714	20	96	1.2	0.08	120	1.4	0.17	120	43	148			

ACZ Laboratories, Inc.
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RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L16529***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L16529-01	WG358878	Radium 226, dissolved	M903.1	RN	Sample concentration is greater than 5x LLD; RPD was used for data validation. Replicate Error Ratio (RER) is greater than 2. Precision judged to be in control.
L16529-02	WG358878	Radium 226, dissolved	M903.1	RN	Sample concentration is greater than 5x LLD; RPD was used for data validation. Replicate Error Ratio (RER) is greater than 2. Precision judged to be in control.
L16529-03	WG358878	Radium 226, dissolved	M903.1	RN	Sample concentration is greater than 5x LLD; RPD was used for data validation. Replicate Error Ratio (RER) is greater than 2. Precision judged to be in control.

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L16529***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp
La Palangana

ACZ Project ID: L16529
Date Received: 01/23/2014 10:24
Received By: mtb
Date Printed: 1/23/2014

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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 match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
2523	3.5	90	N/A

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. 16529

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

CHAIN of CUSTODY

Report to:

Name: Craig Wall
Company: Uranium Energy Corp.
E-mail: CWall@uraniumenergy.com
Address: 500 N. Shoreline Blvd. St 800N
Corpus Christi, TX 78401
Telephone: 361-888-8235

Copy of Report to:

Name: A.J. Hecker
Company: Uranium Energy Corp.
E-mail: ahecker@uraniumenergy.com
Telephone: 361-8888235

Invoice to:

Name: Katie Parsons
Company: Kparsons@uraniumenergy.com
E-mail: Uranium Energy Corp.
Address: 500 N. Shoreline Blvd. Ste 800N
Corpus Christi, TX 78401
Telephone: 361-888-8235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: AJ Hecker **Sampler's site Information** **State:** TX **Zip code** 78401 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:
PO#:
Reporting state for compliance testing: TX
Check box if samples include NRC licensed material? [ ]

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TCEQ20312							
BH 148.0-386	1/21/14 12:35 PM	GW	5	X							
BH 149-356	1/21/14 2:05 PM	GW	5	X							
BH 148.6-339.9	1/21/14 3:10 PM	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]	1/21/14 4:00 PM	[signature]	1-23-14 10:24

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

L16529 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 12, 2014

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline
Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline
Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L16936

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 20, 2014. This project has been assigned to ACZ's project number, L16936. 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 L16936. 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 11, 2014. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

Uranium Energy Corp
Project ID:
Sample ID: BH143.2-360

ACZ Sample ID: ***L16936-01***
Date Sampled: *02/19/14 15:50*
Date Received: *02/20/14*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0289			mg/L	0.0002	0.001	03/06/14 4:57	pmc
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	03/06/14 4:57	pmc
Calcium, dissolved	M200.7 ICP	1	48			mg/L	0.1	0.5	02/28/14 16:04	jjc
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	02/28/14 16:04	jjc
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	03/06/14 4:57	pmc
Magnesium, dissolved	M200.7 ICP	1	11.5			mg/L	0.2	1	02/28/14 16:04	jjc
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	02/28/14 16:04	jjc
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	02/28/14 14:14	mfm
Molybdenum, dissolved	M200.7 ICP	1	0.07	B	*	mg/L	0.02	0.1	02/28/14 16:04	jjc
Potassium, dissolved	M200.7 ICP	1	6.3			mg/L	0.2	1	02/28/14 16:04	jjc
Selenium, dissolved	M200.8 ICP-MS	1	0.0076			mg/L	0.0001	0.0003	03/06/14 4:57	pmc
Silica, dissolved	M200.7 ICP	1	30.9			mg/L	0.2	1	02/28/14 16:04	jjc
Sodium, dissolved	M200.7 ICP	1	223			mg/L	0.2	1	02/28/14 16:04	jjc
Uranium, dissolved	M200.8 ICP-MS	3	0.2894			mg/L	0.0003	0.002	03/06/14 23:23	pmc

Uranium Energy Corp
Project ID:
Sample ID: BH143.2-360

ACZ Sample ID: ***L16936-01***
Date Sampled: *02/19/14 15:50*
Date Received: *02/20/14*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	214		*	mg/L	2	20	02/20/14 0:00	dcw
Carbonate as CaCO3		1	66		*	mg/L	2	20	02/20/14 0:00	dcw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	02/20/14 0:00	dcw
Total Alkalinity		1	280		*	mg/L	2	20	02/20/14 0:00	dcw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.7			%			03/11/14 14:53	calc
Sum of Anions			14			meq/L	0.1	0.5	03/11/14 14:53	calc
Sum of Cations			13			meq/L	0.1	0.5	03/11/14 14:53	calc
Chloride	SM4500Cl-E	10	250		*	mg/L	10	50	03/10/14 16:14	tcd
Conductivity @25C	SM2510B	1	1430		*	umhos/cm	1	10	02/20/14 22:31	dcw
Fluoride	SM4500F-C	1	0.7		*	mg/L	0.1	0.5	03/10/14 16:36	abd
Lab Filtration (0.45um filter)	SOPWC050	1							03/07/14 10:31	id
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							02/24/14 14:01	mfm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							02/20/14 17:00	jrd
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.06	B		mg/L	0.02	0.1	03/11/14 14:53	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.06	B	*	mg/L	0.02	0.1	02/20/14 22:00	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	02/20/14 22:00	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	03/07/14 12:42	bsu
pH (lab)	SM4500H+ B									
pH		1	9.4	H	*	units	0.1	0.1	02/20/14 0:00	dcw
pH measured at		1	21		*	C	0.1	0.1	02/20/14 0:00	dcw
Residue, Filterable (TDS) @180C	SM2540C	1	780		*	mg/L	10	20	02/25/14 15:39	abd
Sulfate	D516-02 - Turbidimetric	5	85.9		*	mg/L	5	25	03/07/14 12:50	mpb
TDS (calculated)	Calculation		825			mg/L	10	50	03/11/14 14:53	calc
TDS (ratio - measured/calculated)	Calculation		0.95						03/11/14 14:53	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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L16936***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359635													
WG359635PBW1	PBW	02/20/14 16:25				3.9	mg/L		-20	20			
WG359635LCSW2	LCSW	02/20/14 16:36	WC140204-	820.0001		794.6	mg/L	96.9	90	110			
WG359635LCSW5	LCSW	02/20/14 20:01	WC140204-	820.0001		806	mg/L	98.3	90	110			
WG359635PBW2	PBW	02/20/14 20:10				U	mg/L		-20	20			
L16937-02DUP	DUP	02/20/14 22:58			139	141.5	mg/L				1.8	20	
WG359635LCSW8	LCSW	02/20/14 23:12	WC140204-	820.0001		808.5	mg/L	98.6	90	110			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360277													
WG360277ICV	ICV	03/06/14 4:48	MS140218-2	.05		.05493	mg/L	109.9	90	110			
WG360277ICB	ICB	03/06/14 4:51				.0003	mg/L		-0.0006	0.0006			
WG360277LFB	LFB	03/06/14 4:54	MS140128-2	.0501		.04796	mg/L	95.7	85	115			
L16964-04AS	AS	03/06/14 6:01	MS140128-2	.2505	.048	.3101	mg/L	104.6	70	130			
L16964-04ASD	ASD	03/06/14 6:04	MS140128-2	.2505	.048	.3184	mg/L	107.9	70	130	2.64	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360277													
WG360277ICV	ICV	03/06/14 4:48	MS140218-2	.05		.05035	mg/L	100.7	90	110			
WG360277ICB	ICB	03/06/14 4:51				U	mg/L		-0.0003	0.0003			
WG360277LFB	LFB	03/06/14 4:54	MS140128-2	.0501		.05052	mg/L	100.8	85	115			
L16964-04AS	AS	03/06/14 6:01	MS140128-2	.2505	8.83	9.055	mg/L	89.8	70	130			
L16964-04ASD	ASD	03/06/14 6:04	MS140128-2	.2505	8.83	9.07	mg/L	95.8	70	130	0.17	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	100		98.64	mg/L	98.6	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.3	0.3			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	67.98099		68.15	mg/L	100.2	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	67.98099	19	86.97	mg/L	100	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	67.98099	19	86.3	mg/L	99	85	115	0.77	20	

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360436													
WG360436ICB	ICB	03/10/14 15:44				U	mg/L		-3	3			
WG360436ICV	ICV	03/10/14 15:44	WI130722-5	54.945		58.6	mg/L	106.7	90	110			
L16923-01AS	AS	03/10/14 15:55	WI131010-1	30	32	61.3	mg/L	97.7	90	110			
L16923-02DUP	DUP	03/10/14 16:07			210	209	mg/L				0.5	20	
WG360436LFB1	LFB	03/10/14 16:25	WI131010-1	30		32.8	mg/L	109.3	90	110			
WG360436LFB2	LFB	03/10/14 16:25	WI131010-1	30		32.7	mg/L	109	90	110			

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Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359635													
WG359635LCSW1	LCSW	02/20/14 16:26	PCN43577	1408.8		1395	umhos/cm	99	90	110			
WG359635LCSW4	LCSW	02/20/14 19:50	PCN43577	1408.8		1381	umhos/cm	98	90	110			
L16937-02DUP	DUP	02/20/14 22:58			1150	1142	umhos/cm				0.7	20	
WG359635LCSW7	LCSW	02/20/14 23:00	PCN43577	1408.8		1365	umhos/cm	96.9	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360428													
WG360428ICV	ICV	03/10/14 15:32	WC140227-	2		2.07	mg/L	103.5	95	105			
WG360428ICB	ICB	03/10/14 15:37				U	mg/L		-0.3	0.3			
WG360428LFB1	LFB	03/10/14 15:45	WC140220-	5.015		4.95	mg/L	98.7	90	110			
L16923-01AS	AS	03/10/14 15:57	WC140220-	5.015	9.8	14.04	mg/L	84.5	90	110			M2
L16923-01DUP	DUP	03/10/14 16:02			9.8	9.31	mg/L				5.1	20	

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	2		1.999	mg/L	100	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.06	0.06			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	1.0014		1.005	mg/L	100.4	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	1.0014	.03	1.011	mg/L	98	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	1.0014	.03	1.007	mg/L	97.6	85	115	0.4	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360277													
WG360277ICV	ICV	03/06/14 4:48	MS140218-2	.05		.05144	mg/L	102.9	90	110			
WG360277ICB	ICB	03/06/14 4:51				U	mg/L		-0.0003	0.0003			
WG360277LFB	LFB	03/06/14 4:54	MS140128-2	.05005		.04881	mg/L	97.5	85	115			
L16964-04AS	AS	03/06/14 6:01	MS140128-2	.25025	1.41	1.656	mg/L	98.3	70	130			
L16964-04ASD	ASD	03/06/14 6:04	MS140128-2	.25025	1.41	1.666	mg/L	102.3	70	130	0.6	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	100		97.07	mg/L	97.1	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.6	0.6			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	50.00131		47.77	mg/L	95.5	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	50.00131	3.7	51.39	mg/L	95.4	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	50.00131	3.7	51.17	mg/L	94.9	85	115	0.43	20	

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Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	2		1.9292	mg/L	96.5	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.015	0.015			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	.501		.4887	mg/L	97.5	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	.501	U	.4865	mg/L	97.1	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	.501	U	.4856	mg/L	96.9	85	115	0.19	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359953													
WG359953ICV	ICV	02/28/14 9:32	II140214-1	.005005		.00478	mg/L	95.5	95	105			
WG359953ICB	ICB	02/28/14 9:34				U	mg/L		-0.0002	0.0002			
WG360033													
WG360033LRB	LRB	02/28/14 14:10				U	mg/L		-0.00044	0.00044			
WG360033LFB	LFB	02/28/14 14:12	II140203-2	.002002		.00191	mg/L	95.4	85	115			
L16982-02LFM	LFM	02/28/14 14:23	II140203-2	.002002	U	.00198	mg/L	98.9	85	115			
L16982-02LFMD	LFMD	02/28/14 14:25	II140203-2	.002002	U	.00203	mg/L	101.4	85	115	2.49	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	2		1.98	mg/L	99	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.06	0.06			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	.5		.494	mg/L	98.8	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	.5	2.27	2.689	mg/L	83.8	85	115			M3
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	.5	2.27	2.682	mg/L	82.4	85	115	0.26	20	M3

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359645													
WG359645ICV	ICV	02/20/14 21:22	WI140116-3	2.416		2.408	mg/L	99.7	90	110			
WG359645ICB	ICB	02/20/14 21:23				U	mg/L		-0.06	0.06			
WG359645LFB1	LFB	02/20/14 21:27	WI140215-3	2		1.999	mg/L	100	90	110			
L16918-07AS	AS	02/20/14 21:45	WI140215-3	2	.31	2.338	mg/L	101.4	90	110			
L16919-01DUP	DUP	02/20/14 21:48			.09	.101	mg/L				11.5	20	RA
WG359645LFB2	LFB	02/20/14 22:01	WI140215-3	2		1.954	mg/L	97.7	90	110			

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359645													
WG359645ICV	ICV	02/20/14 21:22	WI140116-3	.609		.665	mg/L	109.2	90	110			
WG359645ICB	ICB	02/20/14 21:23				U	mg/L		-0.03	0.03			
WG359645LFB1	LFB	02/20/14 21:27	WI140215-3	1		1.017	mg/L	101.7	90	110			
L16918-07AS	AS	02/20/14 21:45	WI140215-3	1	U	1.038	mg/L	103.8	90	110			
L16919-01DUP	DUP	02/20/14 21:48			U	.025	mg/L				200	20	RA
WG359645LFB2	LFB	02/20/14 22:01	WI140215-3	1		.993	mg/L	99.3	90	110			

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Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360355													
WG360355ICV	ICV	03/07/14 12:37	WI131021-1	1.003		.997	mg/L	99.4	90	110			
WG360355ICB	ICB	03/07/14 12:40				U	mg/L		-0.15	0.15			
WG360355LFB1	LFB	03/07/14 12:41	WI140113-8	1		1.001	mg/L	100.1	90	110			
L16936-01AS	AS	03/07/14 12:43	WI140113-8	1	U	.968	mg/L	96.8	90	110			
L16937-01DUP	DUP	03/07/14 12:45			U	U	mg/L				0	20	RA
WG360355LFB2	LFB	03/07/14 13:12	WI140113-8	1		1.034	mg/L	103.4	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359635													
WG359635LCSW3	LCSW	02/20/14 16:40	PCN40852	6		6.16	units	102.7					
WG359635LCSW6	LCSW	02/20/14 20:05	PCN40852	6		7.08	units	118					
L16937-02DUP	DUP	02/20/14 22:58			10.2	10.14	units				0.6	20	
WG359635LCSW9	LCSW	02/20/14 23:15	PCN40852	6		6.09	units	101.5					

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	20		19.76	mg/L	98.8	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.6	0.6			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	99.99364		97.3	mg/L	97.3	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	99.99364	7.1	103	mg/L	95.9	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	99.99364	7.1	102.8	mg/L	95.7	85	115	0.19	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359845													
WG359845PBW	PBW	02/25/14 15:30				U	mg/L		-20	20			
WG359845LCSW	LCSW	02/25/14 15:31	PCN45345	260		242	mg/L	93.1	80	120			
L16944-02DUP	DUP	02/25/14 15:45			560	556	mg/L				0.7	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360277													
WG360277ICV	ICV	03/06/14 4:48	MS140218-2	.05		.05122	mg/L	102.4	90	110			
WG360277ICB	ICB	03/06/14 4:51				U	mg/L		-0.0003	0.0003			
WG360277LFB	LFB	03/06/14 4:54	MS140128-2	.05005		.04934	mg/L	98.6	85	115			
L16964-04AS	AS	03/06/14 6:01	MS140128-2	.25025	.0137	.28505	mg/L	108.4	70	130			
L16964-04ASD	ASD	03/06/14 6:04	MS140128-2	.25025	.0137	.2922	mg/L	111.3	70	130	2.48	20	

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ACZ Project ID: ***L16936***

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	42.8		43.14	mg/L	100.8	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.6	0.6			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	21.428		21.91	mg/L	102.2	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	21.428	21.4	42.69	mg/L	99.4	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	21.428	21.4	42.5	mg/L	98.5	85	115	0.45	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	100		98.69	mg/L	98.7	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.6	0.6			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	100.0393		97.35	mg/L	97.3	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	100.0393	194	284.6	mg/L	90.6	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	100.0393	194	283.4	mg/L	89.4	85	115	0.42	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360344													
WG360344ICB	ICB	03/07/14 12:34				U	mg/L		-3	3			
WG360344ICV	ICV	03/07/14 12:34	WI140228-2	20		19	mg/L	95	90	110			
WG360344LFB	LFB	03/07/14 12:43	WI131010-2	9.99		9.4	mg/L	94.1	90	110			
L16924-01AS	AS	03/07/14 12:50	SO4TURB5	10	117	126	mg/L	90	90	110			
L16923-02DUP	DUP	03/07/14 13:07			1740	1770	mg/L				1.7	20	

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360324													
WG360324ICV	ICV	03/06/14 23:10	MS140218-2	.05		.05181	mg/L	103.6	90	110			
WG360324ICB	ICB	03/06/14 23:13				U	mg/L		-0.0003	0.0003			
WG360324LFB	LFB	03/06/14 23:16	MS140128-2	.05		.04784	mg/L	95.7	85	115			
L16940-02AS	AS	03/06/14 23:29	MS140128-2	100	U	95.62	mg/L	95.6	70	130			
L16940-02ASD	ASD	03/06/14 23:32	MS140128-2	100	U	96.02	mg/L	96	70	130	0.42	20	

Uranium Energy Corp ACZ Project ID: ***L16936***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L16936-01	WG360045	Molybdenum, dissolved	M200.7 ICP	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.
	WG359635	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG360436	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG359635	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG360428	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			SM4500F-C	Q6	Sample was received above recommended temperature.
	WG359635	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG359645	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG360355	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG359635	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG359845	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG360344	Sulfate	D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG359635	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

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

RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: BH143.2-360
Locator:

ACZ Sample ID: ***L16936-01***
Date Sampled: *02/19/14 15:50*
Date Received: *02/20/14*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/03/14 15:20		18	0.49	0.15	pCi/L		nco

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L16936***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG360149																
WG359731PBW	PBW	03/03/14						.24	0.06	0.18			0.36			
WG359731LCSW	LCSW	03/03/14	PCN44713	20				19	0.46	0.14	95	43	148			
L16923-01DUP	DUP-RER	03/03/14			0.15	0.05	0.1	.05	0.06	0.12				1.27	2	
L16923-02MS	MS	03/03/14	PCN44713	20	0.08	0.06	0.12	14	0.41	0.12	69.6	43	148			

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RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L16936***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L16936***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L16936
Date Received: 02/20/2014 09:51
Received By: mtb
Date Printed: 2/20/2014

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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	

L16936-01 Container B1435761 (GREEN PC): A label was not present on the sample containers, but was present on the sample bag.

L16936-01 Container B1435763 (WHITE): A label was not present on the sample containers, but was present on the sample bag.

L16936-01 Container B1435764 (YELLOW): A label was not present on the sample containers, but was present on the sample bag.

10) Do the sample labels and Chain of Custody match for Sample ID, Date, and Time?		X	

L16936-01 Container B1435762 (RAW): The ID on the sample label is 145-356, and on the COC the ID is 149-356. The sample ID was entered per the COC.

L16936-01 Container B1435765 (GREEN CUBE): The ID on the sample label is 145-356, and on the COC the ID is 149-356. The sample ID was entered per the COC.

11) For preserved bottle types, was the pH checked and within limits?	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		

Chain of Custody Related Remarks

Client Contact Remarks

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L16936
Date Received: 02/20/2014 09:51
Received By: mtb
Date Printed: 2/20/2014

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
NA19193	6.8	13	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

L16936

ACZ Laboratories, Inc.

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

CHAIN of CUSTODY

Report to:

Name: Craig Wall	Address: 500 N. Shoreline Blvd. Ste 800N
Company: Uranium Energy Corp.	Corpus Christi, TX 78401
E-mail: cwall@uraniumenergy.com	Telephone: 3618888235

Copy of Report to:

Name: A.J. Hecker	E-mail: ahecker@uraniumenergy.com
Company: Uranium Energy Corp.	Telephone: 3618888235

Invoice to:

Name: Katie Parsons	Address: 500 N. Shoreline Blvd. Ste 800N
Company: Uranium Energy Corp.	Corpus Christi, TX 78401
E-mail: kparsons@uraniumenergy.com	Telephone: 3618888235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: A.J. Hecker **Sampler's site Information** **State:** TX **Zip code** 78418 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:

PO#:

Reporting state for compliance testing: TX

Check box if samples include NRC licensed material? [ ]

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TDS 2037							
149-354	2/19/14 3:00pm	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]	2/19/14 5:00pm	[signature]	2/20/14 0950

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

L16936 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

March 14, 2014

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline
Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline
Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L16937

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 20, 2014. This project has been assigned to ACZ's project number, L16937. 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 L16937. 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 13, 2014. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

Uranium Energy Corp
Project ID:
Sample ID: BH157.7-376

ACZ Sample ID: ***L16937-01***
Date Sampled: *02/19/14 14:30*
Date Received: *02/20/14*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.1362			mg/L	0.0002	0.001	03/07/14 1:35	pmc
Cadmium, dissolved	M200.8 ICP-MS	1	0.0002	B		mg/L	0.0001	0.0005	03/07/14 1:35	pmc
Calcium, dissolved	M200.7 ICP	1	19			mg/L	0.1	0.5	02/28/14 16:07	jjc
Iron, dissolved	M200.7 ICP	1	0.03	B		mg/L	0.02	0.05	02/28/14 16:07	jjc
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	03/07/14 1:35	pmc
Magnesium, dissolved	M200.7 ICP	1	3.7			mg/L	0.2	1	02/28/14 16:07	jjc
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	02/28/14 16:07	jjc
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	02/26/14 12:17	mfm
Molybdenum, dissolved	M200.7 ICP	1	2.27		*	mg/L	0.02	0.1	02/28/14 16:07	jjc
Potassium, dissolved	M200.7 ICP	1	7.1			mg/L	0.2	1	02/28/14 16:07	jjc
Selenium, dissolved	M200.8 ICP-MS	1	0.0355			mg/L	0.0001	0.0003	03/07/14 1:35	pmc
Silica, dissolved	M200.7 ICP	1	21.4			mg/L	0.2	1	02/28/14 16:07	jjc
Sodium, dissolved	M200.7 ICP	1	194			mg/L	0.2	1	02/28/14 16:07	jjc
Uranium, dissolved	M200.8 ICP-MS	9	0.9036			mg/L	0.0009	0.005	03/08/14 3:44	pmc

Uranium Energy Corp
Project ID:
Sample ID: BH157.7-376

ACZ Sample ID: ***L16937-01***
Date Sampled: *02/19/14 14:30*
Date Received: *02/20/14*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	125		*	mg/L	2	20	02/20/14 0:00	dcw
Carbonate as CaCO3		1	37		*	mg/L	2	20	02/20/14 0:00	dcw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	02/20/14 0:00	dcw
Total Alkalinity		1	162		*	mg/L	2	20	02/20/14 0:00	dcw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-4.8			%			03/13/14 16:12	calc
Sum of Anions			11			meq/L	0.1	0.5	03/13/14 16:12	calc
Sum of Cations			10			meq/L	0.1	0.5	03/13/14 16:12	calc
Chloride	SM4500Cl-E	10	200		*	mg/L	10	50	03/10/14 16:07	tcd
Conductivity @25C	SM2510B	1	1130		*	umhos/cm	1	10	02/20/14 22:40	dcw
Fluoride	SM4500F-C	1	1.2		*	mg/L	0.1	0.5	03/13/14 8:51	abd
Lab Filtration (0.45um filter)	SOPWC050	1							03/07/14 10:33	id
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							02/20/14 17:35	jrd
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							02/24/14 14:01	mfm
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.04	B		mg/L	0.02	0.1	03/13/14 16:12	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.05	B	*	mg/L	0.02	0.1	02/20/14 22:02	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.01	B	*	mg/L	0.01	0.05	02/20/14 22:02	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	03/07/14 12:44	bsu
pH (lab)	SM4500H+ B									
pH		1	9.3	H	*	units	0.1	0.1	02/20/14 0:00	dcw
pH measured at		1	21		*	C	0.1	0.1	02/20/14 0:00	dcw
Residue, Filterable (TDS) @180C	SM2540C	1	620		*	mg/L	10	20	02/25/14 15:40	abd
Sulfate	D516-02 - Turbidimetric	5	95.1		*	mg/L	5	25	03/07/14 12:50	mpb
TDS (calculated)	Calculation		639			mg/L	10	50	03/13/14 16:12	calc
TDS (ratio - measured/calculated)	Calculation		0.97						03/13/14 16:12	calc

Uranium Energy Corp
Project ID:
Sample ID: BH163.5-385.5

ACZ Sample ID: ***L16937-02***
Date Sampled: *02/19/14 13:10*
Date Received: *02/20/14*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	2	0.2030			mg/L	0.0004	0.002	03/08/14 3:48	pmc
Cadmium, dissolved	M200.8 ICP-MS	1	0.0004	B		mg/L	0.0001	0.0005	03/07/14 1:38	pmc
Calcium, dissolved	M200.7 ICP	1	22.9			mg/L	0.1	0.5	02/28/14 16:16	jjc
Iron, dissolved	M200.7 ICP	1	0.02	B		mg/L	0.02	0.05	02/28/14 16:16	jjc
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	03/07/14 1:38	pmc
Magnesium, dissolved	M200.7 ICP	1	1.5			mg/L	0.2	1	02/28/14 16:16	jjc
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	02/28/14 16:16	jjc
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	02/26/14 12:24	mfm
Molybdenum, dissolved	M200.7 ICP	1	7.89		*	mg/L	0.02	0.1	02/28/14 16:16	jjc
Potassium, dissolved	M200.7 ICP	1	17.4			mg/L	0.2	1	02/28/14 16:16	jjc
Selenium, dissolved	M200.8 ICP-MS	1	0.0743			mg/L	0.0001	0.0003	03/07/14 1:38	pmc
Silica, dissolved	M200.7 ICP	1	28.5			mg/L	0.2	1	02/28/14 16:16	jjc
Sodium, dissolved	M200.7 ICP	1	201			mg/L	0.2	1	02/28/14 16:16	jjc
Uranium, dissolved	M200.8 ICP-MS	1	0.1973			mg/L	0.0001	0.0005	03/07/14 1:38	pmc

Uranium Energy Corp
Project ID:
Sample ID: BH163.5-385.5

ACZ Sample ID: ***L16937-02***
Date Sampled: *02/19/14 13:10*
Date Received: *02/20/14*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	20		*	mg/L	2	20	02/20/14 0:00	dcw
Carbonate as CaCO3		1	119		*	mg/L	2	20	02/20/14 0:00	dcw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	02/20/14 0:00	dcw
Total Alkalinity		1	139		*	mg/L	2	20	02/20/14 0:00	dcw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			03/13/14 16:13	calc
Sum of Anions			11			meq/L	0.1	0.5	03/13/14 16:13	calc
Sum of Cations			11			meq/L	0.1	0.5	03/13/14 16:13	calc
Chloride	SM4500Cl-E	10	200		*	mg/L	10	50	03/10/14 16:07	tcd
Conductivity @25C	SM2510B	1	1150		*	umhos/cm	1	10	02/20/14 22:49	dcw
Fluoride	SM4500F-C	1	1.4		*	mg/L	0.1	0.5	03/13/14 9:01	abd
Lab Filtration (0.45um filter)	SOPWC050	1							03/07/14 10:35	id
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							02/20/14 18:10	jrd
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							02/24/14 14:01	mfm
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.04	B		mg/L	0.02	0.1	03/13/14 16:13	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.04	B	*	mg/L	0.02	0.1	02/20/14 22:07	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	02/20/14 22:07	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1	0.07	B	*	mg/L	0.05	0.5	03/07/14 12:46	bsu
pH (lab)	SM4500H+ B									
pH		1	10.2	H	*	units	0.1	0.1	02/20/14 0:00	dcw
pH measured at		1	21		*	C	0.1	0.1	02/20/14 0:00	dcw
Residue, Filterable (TDS) @180C	SM2540C	1	610		*	mg/L	10	20	02/25/14 15:41	abd
Sulfate	D516-02 - Turbidimetric	5	97.7		*	mg/L	5	25	03/07/14 12:53	mpb
TDS (calculated)	Calculation		654			mg/L	10	50	03/13/14 16:13	calc
TDS (ratio - measured/calculated)	Calculation		0.93						03/13/14 16:13	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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L16937***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359635													
WG359635PBW1	PBW	02/20/14 16:25				3.9	mg/L		-20	20			
WG359635LCSW2	LCSW	02/20/14 16:36	WC140204-	820.0001		794.6	mg/L	96.9	90	110			
WG359635LCSW5	LCSW	02/20/14 20:01	WC140204-	820.0001		806	mg/L	98.3	90	110			
WG359635PBW2	PBW	02/20/14 20:10				U	mg/L		-20	20			
L16937-02DUP	DUP	02/20/14 22:58			139	141.5	mg/L				1.8	20	
WG359635LCSW8	LCSW	02/20/14 23:12	WC140204-	820.0001		808.5	mg/L	98.6	90	110			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360325													
WG360325ICV	ICV	03/07/14 1:19	MS140218-2	.05		.0542	mg/L	108.4	90	110			
WG360325ICB	ICB	03/07/14 1:22				U	mg/L		-0.0006	0.0006			
WG360325LFB	LFB	03/07/14 1:25	MS140128-2	.0501		.04717	mg/L	94.2	85	115			
L17006-01AS	AS	03/07/14 1:51	MS140128-2	.501	.165	.7639	mg/L	119.5	70	130			
L17006-01ASD	ASD	03/07/14 2:00	MS140128-2	.501	.165	.7289	mg/L	112.6	70	130	4.69	20	
WG360382													
WG360382ICV	ICV	03/08/14 3:28	MS140218-2	.05		.05362	mg/L	107.2	90	110			
WG360382ICB	ICB	03/08/14 3:31				U	mg/L		-0.0006	0.0006			
WG360382LFB	LFB	03/08/14 3:35	MS140128-2	.0501		.04646	mg/L	92.7	85	115			
L16937-02AS	AS	03/08/14 3:51	MS140128-2	.1002	.203	.3116	mg/L	108.4	70	130			
L16937-02ASD	ASD	03/08/14 3:54	MS140128-2	.1002	.203	.3024	mg/L	99.2	70	130	3	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360325													
WG360325ICV	ICV	03/07/14 1:19	MS140218-2	.05		.05059	mg/L	101.2	90	110			
WG360325ICB	ICB	03/07/14 1:22				U	mg/L		-0.0003	0.0003			
WG360325LFB	LFB	03/07/14 1:25	MS140128-2	.0501		.04808	mg/L	96	85	115			
L17006-01AS	AS	03/07/14 1:51	MS140128-2	.501	.006	.5958	mg/L	117.7	70	130			
L17006-01ASD	ASD	03/07/14 2:00	MS140128-2	.501	.006	.5802	mg/L	114.6	70	130	2.65	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	100		98.64	mg/L	98.6	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.3	0.3			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	67.98099		68.15	mg/L	100.2	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	67.98099	19	86.97	mg/L	100	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	67.98099	19	86.3	mg/L	99	85	115	0.77	20	

Uranium Energy Corp

ACZ Project ID: ***L16937***

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360436													
WG360436ICB	ICB	03/10/14 15:44				U	mg/L		-3	3			
WG360436ICV	ICV	03/10/14 15:44	WI130722-5	54.945		58.6	mg/L	106.7	90	110			
L16923-01AS	AS	03/10/14 15:55	WI131010-1	30	32	61.3	mg/L	97.7	90	110			
L16923-02DUP	DUP	03/10/14 16:07			210	209	mg/L				0.5	20	
WG360436LFB1	LFB	03/10/14 16:25	WI131010-1	30		32.8	mg/L	109.3	90	110			
WG360436LFB2	LFB	03/10/14 16:25	WI131010-1	30		32.7	mg/L	109	90	110			

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359635													
WG359635LCSW1	LCSW	02/20/14 16:26	PCN43577	1408.8		1395	umhos/cm	99	90	110			
WG359635LCSW4	LCSW	02/20/14 19:50	PCN43577	1408.8		1381	umhos/cm	98	90	110			
L16937-02DUP	DUP	02/20/14 22:58			1150	1142	umhos/cm				0.7	20	
WG359635LCSW7	LCSW	02/20/14 23:00	PCN43577	1408.8		1365	umhos/cm	96.9	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360546													
WG360546ICV	ICV	03/13/14 8:38	WC140311-	2		1.94	mg/L	97	95	105			
WG360546ICB	ICB	03/13/14 8:41				U	mg/L		-0.3	0.3			
WG360546LFB	LFB	03/13/14 8:48	WC140220-	5.015		4.78	mg/L	95.3	90	110			
L16937-01AS	AS	03/13/14 8:54	WC140220-	5.015	1.2	6.18	mg/L	99.3	90	110			
L16937-01DUP	DUP	03/13/14 8:57			1.2	1.12	mg/L				6.9	20	

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	2		1.999	mg/L	100	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.06	0.06			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	1.0014		1.005	mg/L	100.4	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	1.0014	.03	1.011	mg/L	98	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	1.0014	.03	1.007	mg/L	97.6	85	115	0.4	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360325													
WG360325ICV	ICV	03/07/14 1:19	MS140218-2	.05		.05082	mg/L	101.6	90	110			
WG360325ICB	ICB	03/07/14 1:22				U	mg/L		-0.0003	0.0003			
WG360325LFB	LFB	03/07/14 1:25	MS140128-2	.05005		.04481	mg/L	89.5	85	115			
L17006-01AS	AS	03/07/14 1:51	MS140128-2	.5005	.002	.5717	mg/L	113.8	70	130			
L17006-01ASD	ASD	03/07/14 2:00	MS140128-2	.5005	.002	.5535	mg/L	110.2	70	130	3.23	20	

Uranium Energy Corp

ACZ Project ID: ***L16937***

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	100		97.07	mg/L	97.1	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.6	0.6			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	50.00131		47.77	mg/L	95.5	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	50.00131	3.7	51.39	mg/L	95.4	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	50.00131	3.7	51.17	mg/L	94.9	85	115	0.43	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	2		1.9292	mg/L	96.5	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.015	0.015			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	.501		.4887	mg/L	97.5	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	.501	U	.4865	mg/L	97.1	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	.501	U	.4856	mg/L	96.9	85	115	0.19	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359818													
WG359818ICV	ICV	02/26/14 9:32	II140214-1	.005005		.00496	mg/L	99.1	95	105			
WG359818ICB	ICB	02/26/14 9:34				U	mg/L		-0.0002	0.0002			
WG359848													
WG359848LRB	LRB	02/26/14 12:06				U	mg/L		-0.00044	0.00044			
WG359848LFB	LFB	02/26/14 12:08	II140203-2	.002002		.002	mg/L	99.9	85	115			
L16937-01LFM	LFM	02/26/14 12:19	II140203-2	.002002	U	.00182	mg/L	90.9	85	115			
L16937-01LFMD	LFMD	02/26/14 12:21	II140203-2	.002002	U	.00177	mg/L	88.4	85	115	2.79	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	2		1.98	mg/L	99	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.06	0.06			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	.5		.494	mg/L	98.8	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	.5	2.27	2.689	mg/L	83.8	85	115			M3
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	.5	2.27	2.682	mg/L	82.4	85	115	0.26	20	M3

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359645													
WG359645ICV	ICV	02/20/14 21:22	WI140116-3	2.416		2.408	mg/L	99.7	90	110			
WG359645ICB	ICB	02/20/14 21:23				U	mg/L		-0.06	0.06			
WG359645LFB1	LFB	02/20/14 21:27	WI140215-3	2		1.999	mg/L	100	90	110			
WG359645LFB2	LFB	02/20/14 22:01	WI140215-3	2		1.954	mg/L	97.7	90	110			
L16937-01AS	AS	02/20/14 22:03	WI140215-3	2	.05	2.083	mg/L	101.7	90	110			
L16937-02DUP	DUP	02/20/14 22:08			.04	.031	mg/L				25.4	20	RA

Uranium Energy Corp

ACZ Project ID: ***L16937***

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359645													
WG359645ICV	ICV	02/20/14 21:22	WI140116-3	.609		.665	mg/L	109.2	90	110			
WG359645ICB	ICB	02/20/14 21:23				U	mg/L		-0.03	0.03			
WG359645LFB1	LFB	02/20/14 21:27	WI140215-3	1		1.017	mg/L	101.7	90	110			
WG359645LFB2	LFB	02/20/14 22:01	WI140215-3	1		.993	mg/L	99.3	90	110			
L16937-01AS	AS	02/20/14 22:03	WI140215-3	1	.01	1.048	mg/L	103.8	90	110			
L16937-02DUP	DUP	02/20/14 22:08			U	U	mg/L				0	20	RA

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360355													
WG360355ICV	ICV	03/07/14 12:37	WI131021-1	1.003		.997	mg/L	99.4	90	110			
WG360355ICB	ICB	03/07/14 12:40				U	mg/L		-0.15	0.15			
WG360355LFB1	LFB	03/07/14 12:41	WI140113-8	1		1.001	mg/L	100.1	90	110			
L16936-01AS	AS	03/07/14 12:43	WI140113-8	1	U	.968	mg/L	96.8	90	110			
L16937-01DUP	DUP	03/07/14 12:45			U	U	mg/L				0	20	RA
WG360355LFB2	LFB	03/07/14 13:12	WI140113-8	1		1.034	mg/L	103.4	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359635													
WG359635LCSW3	LCSW	02/20/14 16:40	PCN40852	6		6.16	units	102.7					
WG359635LCSW6	LCSW	02/20/14 20:05	PCN40852	6		7.08	units	118					
L16937-02DUP	DUP	02/20/14 22:58			10.2	10.14	units				0.6	20	
WG359635LCSW9	LCSW	02/20/14 23:15	PCN40852	6		6.09	units	101.5					

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	20		19.76	mg/L	98.8	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.6	0.6			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	99.99364		97.3	mg/L	97.3	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	99.99364	7.1	103	mg/L	95.9	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	99.99364	7.1	102.8	mg/L	95.7	85	115	0.19	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG359845													
WG359845PBW	PBW	02/25/14 15:30				U	mg/L		-20	20			
WG359845LCSW	LCSW	02/25/14 15:31	PCN45345	260		242	mg/L	93.1	80	120			
L16944-02DUP	DUP	02/25/14 15:45			560	556	mg/L				0.7	10	

Uranium Energy Corp

ACZ Project ID: ***L16937***

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360325													
WG360325ICV	ICV	03/07/14 1:19	MS140218-2	.05		.05242	mg/L	104.8	90	110			
WG360325ICB	ICB	03/07/14 1:22				U	mg/L		-0.0003	0.0003			
WG360325LFB	LFB	03/07/14 1:25	MS140128-2	.05005		.04882	mg/L	97.5	85	115			
L17006-01AS	AS	03/07/14 1:51	MS140128-2	.5005	.007	.6135	mg/L	121.2	70	130			
L17006-01ASD	ASD	03/07/14 2:00	MS140128-2	.5005	.007	.6021	mg/L	118.9	70	130	1.88	20	

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	42.8		43.14	mg/L	100.8	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.6	0.6			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	21.428		21.91	mg/L	102.2	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	21.428	21.4	42.69	mg/L	99.4	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	21.428	21.4	42.5	mg/L	98.5	85	115	0.45	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360045													
WG360045ICV	ICV	02/28/14 15:36	II140220-1	100		98.69	mg/L	98.7	95	105			
WG360045ICB	ICB	02/28/14 15:42				U	mg/L		-0.6	0.6			
WG360045LFB	LFB	02/28/14 15:55	II140218-5	100.0393		97.35	mg/L	97.3	85	115			
L16937-01AS	AS	02/28/14 16:10	II140218-5	100.0393	194	284.6	mg/L	90.6	85	115			
L16937-01ASD	ASD	02/28/14 16:13	II140218-5	100.0393	194	283.4	mg/L	89.4	85	115	0.42	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360344													
WG360344ICB	ICB	03/07/14 12:34				U	mg/L		-3	3			
WG360344ICV	ICV	03/07/14 12:34	WI140228-2	20		19	mg/L	95	90	110			
WG360344LFB	LFB	03/07/14 12:43	WI131010-2	9.99		9.4	mg/L	94.1	90	110			
L16924-01AS	AS	03/07/14 12:50	SO4TURB5	10	117	126	mg/L	90	90	110			
L16923-02DUP	DUP	03/07/14 13:07			1740	1770	mg/L				1.7	20	

Uranium Energy Corp

ACZ Project ID: ***L16937***

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG360325													
WG360325ICV	ICV	03/07/14 1:19	MS140218-2	.05		.05135	mg/L	102.7	90	110			
WG360325ICB	ICB	03/07/14 1:22				U	mg/L		-0.0003	0.0003			
WG360325LFB	LFB	03/07/14 1:25	MS140128-2	.05		.04645	mg/L	92.9	85	115			
L17006-01AS	AS	03/07/14 1:51	MS140128-2	.5	.002	.6093	mg/L	121.5	70	130			
L17006-01ASD	ASD	03/07/14 2:00	MS140128-2	.5	.002	.5943	mg/L	118.5	70	130	2.49	20	
WG360382													
WG360382ICV	ICV	03/08/14 3:28	MS140218-2	.05		.05086	mg/L	101.7	90	110			
WG360382ICB	ICB	03/08/14 3:31				U	mg/L		-0.0003	0.0003			
WG360382LFB	LFB	03/08/14 3:35	MS140128-2	.05		.04902	mg/L	98	85	115			
L16937-02AS	AS	03/08/14 3:51	MS140128-2	.1	.1877	.3094	mg/L	121.7	70	130			
L16937-02ASD	ASD	03/08/14 3:54	MS140128-2	.1	.1877	.3038	mg/L	116.1	70	130	1.83	20	

Uranium Energy Corp ACZ Project ID: ***L16937***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L16937-01	WG360045	Molybdenum, dissolved	M200.7 ICP	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.
	WG359635	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG360436	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG359635	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG360546	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
	WG359635	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG359645	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG360355	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG359635	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG359845	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG360344	Sulfate	D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG359635	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.
L16937-02	WG360045	Molybdenum, dissolved	M200.7 ICP	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.
	WG359635	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG360436	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG359635	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG360546	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
	WG359635	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG359645	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG360355	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG359635	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG359845	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG360344	Sulfate	D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG359635	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: BH157.7-376
Locator:

ACZ Sample ID: ***L16937-01***
Date Sampled: *02/19/14 14:30*
Date Received: *02/20/14*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/03/14 15:21		28	0.56	0.23	pCi/L		nco

RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: BH163.5-385.5
Locator:

ACZ Sample ID: ***L16937-02***
Date Sampled: *02/19/14 13:10*
Date Received: *02/20/14*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	03/03/14 15:22		5.7	0.28	0.15	pCi/L		nco

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L16937***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG360149																
WG359731PBW	PBW	03/03/14						.24	0.06	0.18			0.36			
WG359731LCSW	LCSW	03/03/14	PCN44713	20				19	0.46	0.14	95	43	148			
L16923-01DUP	DUP-RER	03/03/14			0.15	0.05	0.1	.05	0.06	0.12				1.27	2	
L16923-02MS	MS	03/03/14	PCN44713	20	0.08	0.06	0.12	14	0.41	0.12	69.6	43	148			

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RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L16937***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L16937***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L16937
Date Received: 02/20/2014 09:50
Received By: mtb
Date Printed: 2/20/2014

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody prior to ACZ receiving the samples?	X		

A change was made in the Matrix Line 2 section prior to ACZ custody.

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	

L16937-01 Container B1435768 (WHITE): A label was not present on the sample containers, but was present on the sample bag.

L16937-01 Container B1435769 (YELLOW): A label was not present on the sample containers, but was present on the sample bag.

L16937-01 Container B1435770 (GREEN PC): A label was not present on the sample containers, but was present on the sample bag.

L16937-02 Container B1435772 (WHITE): A label was not present on the sample containers, but was present on the sample bag.

L16937-02 Container B1435774 (GREEN PC): A label was not present on the sample containers, but was present on the sample bag.

L16937-02 Container B1435775 (YELLOW): A label was not present on the sample containers, but was present on the sample bag.

10) Do the sample labels and Chain of Custody match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L16937
Date Received: 02/20/2014 09:50
Received By: mtb
Date Printed: 2/20/2014

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
NA19192	8.6	12	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

L16937

ACZ Laboratories, Inc.

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

CHAIN of CUSTODY

Report to:

Name: Craig Wall	Address: 500 N. Shoreline Blvd. Ste 800N
Company: Uranium Energy Corp.	Corpus Christi, TX 78401
E-mail: cwall@uraniumenergy.com	Telephone: 3618888235

Copy of Report to:

Name: A.J. Hecker	E-mail: ahecker@uraniumenergy.com
Company: Uranium Energy Corp.	Telephone: 3618888235

Invoice to:

Name: Katie Parsons	Address: 500 N. Shoreline Blvd. Ste 800N
Company: Uranium Energy Corp.	Corpus Christi, TX 78401
E-mail: kparsons@uraniumenergy.com	Telephone: 3618888235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: A.J. Hecker **Sampler's site Information** **State:** TX **Zip code** 78418 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:

PO#:

Reporting state for compliance testing: TX

Check box if samples include NRC licensed material?

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Y/N 300.7
BH167-270	2/19/14 7:00	GW	5	X
BH167-295	2/19/14 1:10	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
	2/19/14 4:00	LPL	2/20/14 0950

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

L16937 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

June 20, 2013

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L12266

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 24, 2013. This project has been assigned to ACZ's project number, L12266. 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 L12266. 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 July 20, 2013. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 1-1

ACZ Sample ID: ***L12266-01***
Date Sampled: *05/23/13 08:45*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.1422			mg/L	0.0002	0.001	06/06/13 20:30	msh
Cadmium, dissolved	M200.8 ICP-MS	1	0.0004	B		mg/L	0.0001	0.0005	06/06/13 20:30	msh
Calcium, dissolved	M200.7 ICP	1	34.8			mg/L	0.2	1	06/08/13 0:56	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/08/13 0:56	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/06/13 20:30	msh
Magnesium, dissolved	M200.7 ICP	1	1.1			mg/L	0.2	1	06/08/13 0:56	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/08/13 0:56	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/06/13 12:38	mfm
Molybdenum, dissolved	M200.7 ICP	1	3.99			mg/L	0.02	0.1	06/08/13 0:56	aeb
Potassium, dissolved	M200.7 ICP	1	7.1			mg/L	0.3	2	06/08/13 0:56	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0028			mg/L	0.0001	0.0003	06/06/13 20:30	msh
Silica, dissolved	M200.7 ICP	1	34.1			mg/L	0.4	2	06/08/13 0:56	aeb
Sodium, dissolved	M200.7 ICP	1	204			mg/L	0.3	2	06/08/13 0:56	aeb
Uranium, dissolved	M200.8 ICP-MS	5	0.5200			mg/L	0.0005	0.003	06/10/13 20:17	msh

** Please refer to Qualifier Reports for details.*

Uranium Energy Corp
Project ID:
Sample ID: RBW 1-1

ACZ Sample ID: ***L12266-01***
Date Sampled: *05/23/13 08:45*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1		U	*	mg/L	2	20	05/31/13 0:00	khw
Carbonate as CaCO3		1	85		*	mg/L	2	20	05/31/13 0:00	khw
Hydroxide as CaCO3		1	8	B	*	mg/L	2	20	05/31/13 0:00	khw
Total Alkalinity		1	92		*	mg/L	2	20	05/31/13 0:00	khw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			5.8			%			06/20/13 0:00	calc
Sum of Anions			9.8			meq/L	0.1	0.5	06/20/13 0:00	calc
Sum of Cations			11.0			meq/L	0.1	0.5	06/20/13 0:00	calc
Chloride	SM4500Cl-E	10	200		*	mg/L	10	50	06/11/13 14:08	bsu
Conductivity @25C	SM2510B	1	1100		*	umhos/cm	1	10	05/31/13 22:23	khw
Fluoride	SM4500F-C	1	1.7		*	mg/L	0.1	0.5	06/06/13 15:51	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/04/13 15:13	las
Lab Filtration (glass fiber filter)	SOPWC050	1							05/24/13 14:00	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.06	B		mg/L	0.02	0.1	06/20/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.06	B	*	mg/L	0.02	0.1	05/24/13 19:32	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	05/24/13 19:32	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1	0.34	B	*	mg/L	0.05	0.5	06/11/13 15:27	lhb
pH (lab)	SM4500H+ B									
pH		1	10.4	H	*	units	0.1	0.1	05/31/13 0:00	khw
pH measured at		1	18.0		*	C	0.1	0.1	05/31/13 0:00	khw
Residue, Filterable (TDS) @180C	SM2540C	1	610		*	mg/L	10	20	05/30/13 11:22	mss3
Sulfate	D516-02 - Turbidimetric	5	109		*	mg/L	5	30	06/10/13 12:16	bsu
TDS (calculated)	Calculation		648			mg/L	10	50	06/20/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.94						06/20/13 0:00	calc

Uranium Energy Corp
Project ID:
Sample ID: RBW 1-2

ACZ Sample ID: ***L12266-02***
Date Sampled: *05/23/13 10:25*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	2	0.2660			mg/L	0.0004	0.002	06/10/13 20:20	msh
Cadmium, dissolved	M200.8 ICP-MS	1	0.0006			mg/L	0.0001	0.0005	06/06/13 20:33	msh
Calcium, dissolved	M200.7 ICP	1	11.8			mg/L	0.2	1	06/08/13 1:00	aeb
Iron, dissolved	M200.7 ICP	1	0.07			mg/L	0.02	0.05	06/08/13 1:00	aeb
Lead, dissolved	M200.8 ICP-MS	1	0.0011			mg/L	0.0001	0.0005	06/06/13 20:33	msh
Magnesium, dissolved	M200.7 ICP	1		U		mg/L	0.2	1	06/08/13 1:00	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/08/13 1:00	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/06/13 12:40	mfm
Molybdenum, dissolved	M200.7 ICP	1	4.30			mg/L	0.02	0.1	06/08/13 1:00	aeb
Potassium, dissolved	M200.7 ICP	1	3.7			mg/L	0.3	2	06/08/13 1:00	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0005			mg/L	0.0001	0.0003	06/06/13 20:33	msh
Silica, dissolved	M200.7 ICP	1	19.9			mg/L	0.4	2	06/08/13 1:00	aeb
Sodium, dissolved	M200.7 ICP	1	253			mg/L	0.3	2	06/08/13 1:00	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.1604			mg/L	0.0001	0.0005	06/06/13 20:33	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 1-2

ACZ Sample ID: ***L12266-02***
Date Sampled: *05/23/13 10:25*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	164		*	mg/L	2	20	05/31/13 0:00	khw
Carbonate as CaCO3		1	64		*	mg/L	2	20	05/31/13 0:00	khw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	05/31/13 0:00	khw
Total Alkalinity		1	228		*	mg/L	2	20	05/31/13 0:00	khw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-1.7			%			06/20/13 0:00	calc
Sum of Anions			12.2			meq/L	0.1	0.5	06/20/13 0:00	calc
Sum of Cations			11.8			meq/L	0.1	0.5	06/20/13 0:00	calc
Chloride	SM4500Cl-E	10	200		*	mg/L	10	50	06/11/13 14:08	bsu
Conductivity @25C	SM2510B	1	1230		*	umhos/cm	1	10	05/31/13 22:33	khw
Fluoride	SM4500F-C	1	0.8		*	mg/L	0.1	0.5	06/06/13 15:55	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/04/13 15:19	las
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (glass fiber filter)	SOPWC050	1							05/24/13 14:02	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/20/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	05/24/13 19:33	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	05/24/13 19:33	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1	0.07	B	*	mg/L	0.05	0.5	06/11/13 15:29	lhb
pH (lab)	SM4500H+ B									
pH		1	9.3	H	*	units	0.1	0.1	05/31/13 0:00	khw
pH measured at		1	18.0		*	C	0.1	0.1	05/31/13 0:00	khw
Residue, Filterable (TDS) @180C	SM2540C	1	690		*	mg/L	10	20	05/30/13 11:23	mss3
Sulfate	D516-02 - Turbidimetric	5	97		*	mg/L	5	30	06/10/13 12:16	bsu
TDS (calculated)	Calculation		723			mg/L	10	50	06/20/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						06/20/13 0:00	calc

Uranium Energy Corp
Project ID:
Sample ID: RBW 3-1

ACZ Sample ID: ***L12266-03***
Date Sampled: *05/23/13 12:20*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0057			mg/L	0.0002	0.001	06/06/13 20:36	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/06/13 20:36	msh
Calcium, dissolved	M200.7 ICP	1	19.5			mg/L	0.2	1	06/08/13 1:03	aeb
Iron, dissolved	M200.7 ICP	1	0.07			mg/L	0.02	0.05	06/08/13 1:03	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/06/13 20:36	msh
Magnesium, dissolved	M200.7 ICP	1	9.3			mg/L	0.2	1	06/08/13 1:03	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/08/13 1:03	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/06/13 12:42	mfm
Molybdenum, dissolved	M200.7 ICP	1	0.04	B		mg/L	0.02	0.1	06/08/13 1:03	aeb
Potassium, dissolved	M200.7 ICP	1	6.4			mg/L	0.3	2	06/08/13 1:03	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0002	B		mg/L	0.0001	0.0003	06/06/13 20:36	msh
Silica, dissolved	M200.7 ICP	1	18.6			mg/L	0.4	2	06/08/13 1:03	aeb
Sodium, dissolved	M200.7 ICP	1	196			mg/L	0.3	2	06/08/13 1:03	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0022			mg/L	0.0001	0.0005	06/06/13 20:36	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 3-1

ACZ Sample ID: ***L12266-03***
Date Sampled: *05/23/13 12:20*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	227		*	mg/L	2	20	05/31/13 0:00	khw
Carbonate as CaCO3		1	20		*	mg/L	2	20	05/31/13 0:00	khw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	05/31/13 0:00	khw
Total Alkalinity		1	248		*	mg/L	2	20	05/31/13 0:00	khw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.5			%			06/20/13 0:00	calc
Sum of Anions			10.4			meq/L	0.1	0.5	06/20/13 0:00	calc
Sum of Cations			10.5			meq/L	0.1	0.5	06/20/13 0:00	calc
Chloride	SM4500Cl-E	10	130		*	mg/L	10	50	06/11/13 14:08	bsu
Conductivity @25C	SM2510B	1	1060		*	umhos/cm	1	10	05/31/13 22:51	khw
Fluoride	SM4500F-C	1	0.6		*	mg/L	0.1	0.5	06/06/13 15:58	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/04/13 15:26	las
Lab Filtration (glass fiber filter)	SOPWC050	1							05/24/13 14:05	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.06	B		mg/L	0.02	0.1	06/20/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.06	B	*	mg/L	0.02	0.1	05/24/13 19:34	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	05/24/13 19:34	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1	0.07	B	*	mg/L	0.05	0.5	06/11/13 15:32	lhb
pH (lab)	SM4500H+ B									
pH		1	8.6	H	*	units	0.1	0.1	05/31/13 0:00	khw
pH measured at		1	18.0		*	C	0.1	0.1	05/31/13 0:00	khw
Residue, Filterable (TDS) @180C	SM2540C	1	590		*	mg/L	10	20	05/30/13 11:24	mss3
Sulfate	D516-02 - Turbidimetric	5	85		*	mg/L	5	30	06/10/13 12:16	bsu
TDS (calculated)	Calculation		615			mg/L	10	50	06/20/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						06/20/13 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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12266***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344726													
WG344726LCSW2	LCSW	05/31/13 17:19	WC130514-	820.0001		737.5	mg/L	89.9	90	110			
WG344726LCSW5	LCSW	05/31/13 20:54	WC130514-	820.0001		767.4	mg/L	93.6	90	110			
WG344726PBW2	PBW	05/31/13 21:03				25	mg/L		-20	20			B4
L12266-02DUP	DUP	05/31/13 22:42			228	211.5	mg/L				7.5	20	
L12276-03DUP	DUP	06/01/13 0:22			168	165.9	mg/L				1.3	20	
WG344726LCSW8	LCSW	06/01/13 0:35	WC130514-	820.0001		771.5	mg/L	94.1	90	110			
WG344726PBW3	PBW	06/01/13 0:45				U	mg/L		-20	20			
WG344726LCSW11	LCSW	06/01/13 3:15	WC130514-	820.0001		777.8	mg/L	94.9	90	110			
WG344726PBW4	PBW	06/01/13 3:24				U	mg/L		-20	20			
WG344726LCSW14	LCSW	06/01/13 6:53	WC130514-	820.0001		791.5	mg/L	96.5	90	110			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05385	mg/L	107.7	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0006	0.0006			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.05005		.05252	mg/L	104.9	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.05005	.0182	.07052	mg/L	104.5	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.05005	.0182	.07264	mg/L	108.8	70	130	2.96	20	
WG345188													
WG345188ICV	ICV	06/10/13 20:07	MS130416-2	.05		.05478	mg/L	109.6	90	110			
WG345188ICB	ICB	06/10/13 20:10				U	mg/L		-0.0006	0.0006			
WG345188LFB	LFB	06/10/13 20:13	MS130508-1	.05005		.05106	mg/L	102	85	115			
L12266-02AS	AS	06/10/13 20:23	MS130508-1	.1001	.266	.3624	mg/L	96.3	70	130			
L12266-02ASD	ASD	06/10/13 20:27	MS130508-1	.1001	.266	.3676	mg/L	101.5	70	130	1.42	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05226	mg/L	104.5	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0003	0.0003			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.0501		.05192	mg/L	103.6	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.0501	U	.04785	mg/L	95.5	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.0501	U	.04979	mg/L	99.4	70	130	3.97	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	100		98.57	mg/L	98.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.6	0.6			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	67.95918		70.63	mg/L	103.9	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	67.95918	55.5	125.9	mg/L	103.6	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	67.95918	55.5	124.7	mg/L	101.8	85	115	0.96	20	

Uranium Energy Corp

ACZ Project ID: ***L12266***

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345395													
WG345395ICB	ICB	06/11/13 13:38				U	mg/L		-3	3			
WG345395ICV	ICV	06/11/13 13:38	WI130131-1	54.945		58.2	mg/L	105.9	90	110			
WG345395LFB1	LFB	06/11/13 13:49	WI130201-8	30		30.6	mg/L	102	90	110			
WG345395LFB2	LFB	06/11/13 13:58	WI130201-8	30		30.5	mg/L	101.7	90	110			
L12260-01AS	AS	06/11/13 14:07	10XCL	30	250	278	mg/L	93.3	90	110			
L12260-02DUP	DUP	06/11/13 14:07			410	407	mg/L				0.7	20	

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344726													
WG344726LCSW1	LCSW	05/31/13 17:07	PCN41764	1408.8		1444.7	µmhos/cm	102.5	90	110			
WG344726LCSW4	LCSW	05/31/13 20:43	PCN41764	1408.8		1422.2	µmhos/cm	101	90	110			
L12266-02DUP	DUP	05/31/13 22:42			1230	1238	µmhos/cm				0.6	20	
L12276-03DUP	DUP	06/01/13 0:22			621	623	µmhos/cm				0.3	20	
WG344726LCSW7	LCSW	06/01/13 0:24	PCN41764	1408.8		1404.8	µmhos/cm	99.7	90	110			
WG344726LCSW10	LCSW	06/01/13 3:05	PCN41764	1408.8		1392.6	µmhos/cm	98.9	90	110			
WG344726LCSW13	LCSW	06/01/13 6:41	PCN41764	1408.8		1380.3	µmhos/cm	98	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345065													
WG345065ICV	ICV	06/06/13 9:58	WC130523-	2.002		1.97	mg/L	98.4	95	105			
WG345065ICB	ICB	06/06/13 10:04				U	mg/L		-0.3	0.3			
WG345122													
WG345122LFB1	LFB	06/06/13 15:35	WC130313-	5.005		4.7	mg/L	93.9	90	110			
L12260-01AS	AS	06/06/13 15:41	WC130313-	5.005	.7	5.41	mg/L	94.1	90	110			
L12260-01DUP	DUP	06/06/13 15:44			.7	.63	mg/L				10.5	20	RA
WG345122LFB2	LFB	06/06/13 17:32	WC130313-	5.005		4.53	mg/L	90.5	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	2		1.992	mg/L	99.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.06	0.06			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	1		1.02	mg/L	102	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	1	U	1.022	mg/L	102.2	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	1	U	1.01	mg/L	101	85	115	1.18	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05509	mg/L	110.2	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0003	0.0003			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.05005		.05417	mg/L	108.2	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.05005	U	.04758	mg/L	95.1	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.05005	U	.04913	mg/L	98.2	70	130	3.21	20	

Uranium Energy Corp

ACZ Project ID: ***L12266***

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	100		100.6	mg/L	100.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.6	0.6			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	49.99941		51.71	mg/L	103.4	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	49.99941	20.1	73.15	mg/L	106.1	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	49.99941	20.1	71.97	mg/L	103.7	85	115	1.63	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	2		1.9042	mg/L	95.2	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.015	0.015			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	.5		.5005	mg/L	100.1	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	.5	U	.5016	mg/L	100.3	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	.5	U	.498	mg/L	99.6	85	115	0.72	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344958													
WG344958ICV	ICV	06/06/13 10:18	II130522-4	.005025		.00484	mg/L	96.3	90	110			
WG344958ICB	ICB	06/06/13 10:20				U	mg/L		-0.0006	0.0006			
WG345059													
WG345059LRB	LRB	06/06/13 12:34				U	mg/L		-0.00044	0.00044			
WG345059LFB	LFB	06/06/13 12:36	II130515-2	.002002		.00184	mg/L	91.9	85	115			
L12266-03LFM	LFM	06/06/13 12:44	II130515-2	.002002	U	.00174	mg/L	86.9	85	115			
L12266-03LFMD	LFMD	06/06/13 12:47	II130515-2	.002002	U	.00186	mg/L	92.9	85	115	6.67	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	2		1.951	mg/L	97.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.06	0.06			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	.5		.5	mg/L	100	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	.5	U	.514	mg/L	102.8	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	.5	U	.505	mg/L	101	85	115	1.77	20	

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344355													
WG344355ICV	ICV	05/24/13 18:39	WI130411-3	2.416		2.495	mg/L	103.3	90	110			
WG344355ICB	ICB	05/24/13 18:40				U	mg/L		-0.06	0.06			
WG344355LFB1	LFB	05/24/13 18:43	WI130215-3	2		2.076	mg/L	103.8	90	110			
WG344355LFB2	LFB	05/24/13 19:17	WI130215-3	2		2.014	mg/L	100.7	90	110			
L12253-05AS	AS	05/24/13 19:20	WI130215-3	2	U	2.061	mg/L	103.1	90	110			
L12253-06DUP	DUP	05/24/13 19:24			.08	.07	mg/L				13.3	20	RA

Uranium Energy Corp

ACZ Project ID: ***L12266***

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344355													
WG344355ICV	ICV	05/24/13 18:39	WI130411-3	.609		.607	mg/L	99.7	90	110			
WG344355ICB	ICB	05/24/13 18:40				U	mg/L		-0.03	0.03			
WG344355LFB1	LFB	05/24/13 18:43	WI130215-3	1		1.031	mg/L	103.1	90	110			
WG344355LFB2	LFB	05/24/13 19:17	WI130215-3	1		1.018	mg/L	101.8	90	110			
L12253-05AS	AS	05/24/13 19:20	WI130215-3	1	U	1.023	mg/L	102.3	90	110			
L12253-06DUP	DUP	05/24/13 19:24			U	U	mg/L				0	20	RA

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345363													
WG345363ICV	ICV	06/11/13 11:45	WI121105-5	1.003		1.007	mg/L	100.4	90	110			
WG345363ICB	ICB	06/11/13 11:48				U	mg/L		-0.15	0.15			
WG345401													
WG345401LFB1	LFB	06/11/13 15:26	WI121218-3	1		1.019	mg/L	101.9	90	110			
L12266-01AS	AS	06/11/13 15:28	WI121218-3	1	.34	1.317	mg/L	97.7	90	110			
L12266-02DUP	DUP	06/11/13 15:31			.07	.05	mg/L				33.3	20	RA
WG345401LFB2	LFB	06/11/13 15:58	WI121218-3	1		1.091	mg/L	109.1	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344726													
WG344726LCSW3	LCSW	05/31/13 17:23	PCN40853	6		6	units	100	98	102			
WG344726LCSW6	LCSW	05/31/13 20:57	PCN40853	6		6.03	units	100.5	98	102			
L12266-02DUP	DUP	05/31/13 22:42			9.3	9.22	units				0.9	20	
L12276-03DUP	DUP	06/01/13 0:22			8.4	8.36	units				0.5	20	
WG344726LCSW9	LCSW	06/01/13 0:38	PCN40853	6		6.03	units	100.5	98	102			
WG344726LCSW12	LCSW	06/01/13 3:19	PCN40853	6		6.03	units	100.5	98	102			
WG344726LCSW15	LCSW	06/01/13 6:56	PCN40853	6		6.03	units	100.5	98	102			

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	20		19.74	mg/L	98.7	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.9	0.9			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	99.97161		100.8	mg/L	100.8	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	99.97161	4.4	107.4	mg/L	103	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	99.97161	4.4	105.3	mg/L	100.9	85	115	1.97	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344587													
WG344587PBW	PBW	05/30/13 11:00				U	mg/L		-20	20			
WG344587LCSW	LCSW	05/30/13 11:01	PCN42166	260		234	mg/L	90	80	120			
L12272-03DUP	DUP	05/30/13 11:29			1440	1436	mg/L				0.3	10	

Uranium Energy Corp

ACZ Project ID: ***L12266***

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05354	mg/L	107.1	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0003	0.0003			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.05005		.05087	mg/L	101.6	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.05005	.0032	.05318	mg/L	99.9	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.05005	.0032	.0548	mg/L	103.1	70	130	3	20	

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	42.8		42.18	mg/L	98.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-1.2	1.2			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	21.428		22.28	mg/L	104	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	21.428	29.4	51.49	mg/L	103.1	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	21.428	29.4	51.36	mg/L	102.5	85	115	0.25	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	100		98.61	mg/L	98.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.9	0.9			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	100.0416		100.6	mg/L	100.6	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	100.0416	227	325.8	mg/L	98.8	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	100.0416	227	325.1	mg/L	98.1	85	115	0.22	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345270													
WG345270ICB	ICB	06/10/13 8:03				U	mg/L		-3	3			
WG345270ICV	ICV	06/10/13 8:03	WI130605-1	20		19.9	mg/L	99.5	90	110			
WG345270LFB	LFB	06/10/13 12:08	WI130416-3	9.99		10.3	mg/L	103.1	90	110			
L11972-02DUP	DUP	06/10/13 12:08			33	32.5	mg/L				1.5	20	RA
L11972-03AS	AS	06/10/13 12:08	WI130416-3	49.95	10	68	mg/L	116.1	90	110			M1

Uranium Energy Corp

ACZ Project ID: ***L12266***

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05282	mg/L	105.6	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0003	0.0003			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.05		.05247	mg/L	104.9	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.05	.0043	.05857	mg/L	108.5	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.05	.0043	.06039	mg/L	112.2	70	130	3.06	20	
WG345188													
WG345188ICV	ICV	06/10/13 20:07	MS130416-2	.05		.05339	mg/L	106.8	90	110			
WG345188ICB	ICB	06/10/13 20:10				U	mg/L		-0.0003	0.0003			
WG345188LFB	LFB	06/10/13 20:13	MS130508-1	.05		.05118	mg/L	102.4	85	115			
L12266-02AS	AS	06/10/13 20:23	MS130508-1	.1	.1586	.2594	mg/L	100.8	70	130			
L12266-02ASD	ASD	06/10/13 20:27	MS130508-1	.1	.1586	.2608	mg/L	102.2	70	130	0.54	20	

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Inorganic Extended Qualifier Report

Uranium Energy Corp ACZ Project ID: ***L12266***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12266-01	WG344726	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345395	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344726	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345122	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344355	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345401	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG344587	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345270	Sulfate	D516-02 - Turbidimetric	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
			D516-02 - Turbidimetric	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	Total Alkalinity	SM2320B - Titration	B4	Target analyte detected in blank at or above the acceptance criteria.
			SM2320B - Titration	Q6	Sample was received above recommended temperature.

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Inorganic Extended Qualifier Report

Uranium Energy Corp ACZ Project ID: ***L12266***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12266-02	WG344726	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345395	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344726	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345122	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344355	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345401	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG344587	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345270	Sulfate	D516-02 - Turbidimetric	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
			D516-02 - Turbidimetric	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	Total Alkalinity	SM2320B - Titration	B4	Target analyte detected in blank at or above the acceptance criteria.
			SM2320B - Titration	Q6	Sample was received above recommended temperature.

Uranium Energy Corp ACZ Project ID: ***L12266***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12266-03	WG344726	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345395	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344726	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345122	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344355	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345401	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG344587	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345270	Sulfate	D516-02 - Turbidimetric	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
			D516-02 - Turbidimetric	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	Total Alkalinity	SM2320B - Titration	B4	Target analyte detected in blank at or above the acceptance criteria.
			SM2320B - Titration	Q6	Sample was received above recommended temperature.

ACZ Laboratories, Inc.
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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 1-1
Locator:

ACZ Sample ID: ***L12266-01***
Date Sampled: *05/23/13 8:45*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/17/13 0:04		59	0.81	0.11	pCi/L	*	mhm

** Please refer to Qualifier Reports for details.*

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 1-2
Locator:

ACZ Sample ID: ***L12266-02***
Date Sampled: *05/23/13 10:25*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/19/13 0:02		12	0.42	0.1	pCi/L		mhm

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 3-1
Locator:

ACZ Sample ID: ***L12266-03***
Date Sampled: *05/23/13 12:20*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/19/13 0:04		4.2	0.38	0.31	pCi/L		mhm

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12266***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG345832																
WG344950PBW	PBW	06/17/13						.05	0.06	0.08			0.16			
WG344950LCSW	LCSW	06/17/13	RC130227-2	23.92				23	0.48	0.13	96.2	43	148			
L12260-01DUP	DUP-RER	06/17/13			0.12	0.07	0.05	.13	0.05	0.09				0.12	2	
L12427-01DUP	DUP-RER	06/17/13			1.5	0.15	0.1	1.6	0.15	0.25				0.47	2	
L12266-01MS	MS	06/17/13	RC130227-2	23.92	59	0.81	0.11	62	0.76	0.07	12.5	43	148			M2
WG345998																
WG345336PBW	PBW	06/19/13						.1	0.09	0.14			0.28			
WG345336LCSW	LCSW	06/19/13	RC130227-2	23.92				25	0.61	0.1	104.5	43	148			
L12266-02DUP	DUP-RER	06/19/13			12	0.42	0.1	11	0.4	0.08				1.72	2	
L12494-01DUP	DUP-RER	06/19/13			0.08	0.08	0.16	.06	0.09	0.1				0.17	2	
L12494-10MS	MS	06/19/13	RC130227-2	23.92	-0.01	0.08	0.19	22	0.59	0.16	92	43	148			

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L12266***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12266-01	WG345832	Radium 226, dissolved	M903.1	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L12266***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
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Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12266
Date Received: 05/24/2013 10:18
Received By: ksj
Date Printed: 5/28/2013

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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 match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
3563	14.6	70	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

L12266

ACZ Laboratories, Inc.

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

CHAIN of CUSTODY

Report to:

Name: Craig Wall
Company: UEC
E-mail: cwall@uraniumenergy.com
Address: 500 N. Shoreline Blvd Ste 800N
Corpus Christi, TX 78401
Telephone: 361 888 8235

Copy of Report to:

Name: AJ HECKER
Company: UEC
E-mail: ahecker@uraniumenergy.com
Telephone: 361 888 8235

Invoice to:

Name: KATIE PARSONS
Company: UEC
E-mail: kparsons@uraniumenergy.com
Address: 500 N. Shoreline Blvd. Ste 800N
Corpus Christi, TX 78401
Telephone: 361 888 8235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: AJ Hecker **Sampler's site Information** **State:** TX **Zip code** 78401 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:
PO#:
Reporting state for compliance testing: TX
Check box if samples include NRC licensed material? [ ]

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TCEQ 20372							
RBW 1-1	5/23/13 8:45 AM	GW	4	X							
RBW 1-2	5/23/13 10:25 AM	GW	4	X							
RBW 3-1	5/23/13 12:20 PM	GW	4	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
AJ HECKER	5/23/13 5:00 PM	[illegible]	5/24/13 10:18

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

L12266 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

June 14, 2013

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L12231

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 23, 2013. This project has been assigned to ACZ's project number, L12231. 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 L12231. 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 July 14, 2013. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW1-5

ACZ Sample ID: ***L12231-01***
Date Sampled: *05/22/13 12:25*
Date Received: *05/23/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0139			mg/L	0.0002	0.001	06/05/13 6:49	pmc
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/05/13 6:49	pmc
Calcium, dissolved	M200.7 ICP	1	135			mg/L	0.2	1	06/05/13 18:56	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/05/13 18:56	aeb
Lead, dissolved	M200.8 ICP-MS	1	0.0014			mg/L	0.0001	0.0005	06/05/13 6:49	pmc
Magnesium, dissolved	M200.7 ICP	1	37.8			mg/L	0.2	1	06/05/13 18:56	aeb
Manganese, dissolved	M200.7 ICP	1	0.059			mg/L	0.005	0.03	06/05/13 18:56	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/06/13 11:25	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/05/13 18:56	aeb
Potassium, dissolved	M200.7 ICP	1	7.1			mg/L	0.3	2	06/05/13 18:56	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0022			mg/L	0.0001	0.0003	06/05/13 6:49	pmc
Silica, dissolved	M200.7 ICP	1	62.4			mg/L	0.4	2	06/05/13 18:56	aeb
Sodium, dissolved	M200.7 ICP	1	177			mg/L	0.3	2	06/05/13 18:56	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0041			mg/L	0.0001	0.0005	06/05/13 6:49	pmc

** Please refer to Qualifier Reports for details.*

Uranium Energy Corp
Project ID:
Sample ID: RBW1-5

ACZ Sample ID: ***L12231-01***
Date Sampled: *05/22/13 12:25*
Date Received: *05/23/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	265		*	mg/L	2	20	05/30/13 0:00	abm
Carbonate as CaCO3		1		U	*	mg/L	2	20	05/30/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	05/30/13 0:00	abm
Total Alkalinity		1	265		*	mg/L	2	20	05/30/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-0.6			%			06/14/13 0:00	calc
Sum of Anions			18.0			meq/L	0.1	0.5	06/14/13 0:00	calc
Sum of Cations			17.8			meq/L	0.1	0.5	06/14/13 0:00	calc
Chloride	SM4500Cl-E	10	410		*	mg/L	10	50	06/06/13 9:22	tcd
Conductivity @25C	SM2510B	1	1810		*	umhos/cm	1	10	05/30/13 0:22	abm
Fluoride	SM4500F-C	1	0.5		*	mg/L	0.1	0.5	06/06/13 10:22	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/03/13 16:00	scp
Lab Filtration (glass fiber filter)	SOPWC050	1							05/23/13 15:47	mss3
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.44			mg/L	0.02	0.1	06/14/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.44		*	mg/L	0.02	0.1	05/23/13 22:29	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	05/23/13 22:29	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/06/13 14:42	jlf
pH (lab)	SM4500H+ B									
pH		1	8.0	H	*	units	0.1	0.1	05/30/13 0:00	abm
pH measured at		1	18.0		*	C	0.1	0.1	05/30/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	1060		*	mg/L	10	20	05/28/13 16:33	mss3
Sulfate	D516-02 - Turbidimetric	5	56		*	mg/L	5	30	06/10/13 9:28	bsu
TDS (calculated)	Calculation		1050			mg/L	10	50	06/14/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.01						06/14/13 0:00	calc

ACZ Laboratories, Inc.
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Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW1-3

ACZ Sample ID: ***L12231-02***
Date Sampled: *05/22/13 13:35*
Date Received: *05/23/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0012			mg/L	0.0002	0.001	06/05/13 6:52	pmc
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/05/13 6:52	pmc
Calcium, dissolved	M200.7 ICP	1	13.9			mg/L	0.2	1	06/05/13 19:05	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/05/13 19:05	aeb
Lead, dissolved	M200.8 ICP-MS	1	0.0002	B		mg/L	0.0001	0.0005	06/05/13 6:52	pmc
Magnesium, dissolved	M200.7 ICP	1	4.1			mg/L	0.2	1	06/05/13 19:05	aeb
Manganese, dissolved	M200.7 ICP	1	0.013	B		mg/L	0.005	0.03	06/05/13 19:05	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/06/13 11:27	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/05/13 19:05	aeb
Potassium, dissolved	M200.7 ICP	1	3.4			mg/L	0.3	2	06/05/13 19:05	aeb
Selenium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0003	06/05/13 6:52	pmc
Silica, dissolved	M200.7 ICP	1	15.3			mg/L	0.4	2	06/05/13 19:05	aeb
Sodium, dissolved	M200.7 ICP	1	297			mg/L	0.3	2	06/05/13 19:05	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0017			mg/L	0.0001	0.0005	06/05/13 6:52	pmc

Uranium Energy Corp
Project ID:
Sample ID: RBW1-3

ACZ Sample ID: ***L12231-02***
Date Sampled: *05/22/13 13:35*
Date Received: *05/23/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	203		*	mg/L	2	20	05/30/13 0:00	abm
Carbonate as CaCO3		1	15	B	*	mg/L	2	20	05/30/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	05/30/13 0:00	abm
Total Alkalinity		1	218		*	mg/L	2	20	05/30/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-1.4			%			06/14/13 0:00	calc
Sum of Anions			14.6			meq/L	0.1	0.5	06/14/13 0:00	calc
Sum of Cations			14.2			meq/L	0.1	0.5	06/14/13 0:00	calc
Chloride	SM4500Cl-E	10	320		*	mg/L	10	50	06/06/13 9:22	tcd
Conductivity @25C	SM2510B	1	1490		*	umhos/cm	1	10	05/30/13 0:31	abm
Fluoride	SM4500F-C	1	1.9		*	mg/L	0.1	0.5	06/06/13 10:25	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/03/13 16:00	scp
Lab Filtration (glass fiber filter)	SOPWC050	1							05/23/13 15:49	mss3
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/14/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	05/23/13 22:30	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	05/23/13 22:30	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/06/13 14:44	jlf
pH (lab)	SM4500H+ B									
pH		1	8.5	H	*	units	0.1	0.1	05/30/13 0:00	abm
pH measured at		1	18.0		*	C	0.1	0.1	05/30/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	820		*	mg/L	10	20	05/28/13 16:34	mss3
Sulfate	D516-02 - Turbidimetric	5	55		*	mg/L	5	30	06/10/13 9:28	bsu
TDS (calculated)	Calculation		841			mg/L	10	50	06/14/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.98						06/14/13 0:00	calc

Uranium Energy Corp
Project ID:
Sample ID: RBW1-4

ACZ Sample ID: ***L12231-03***
Date Sampled: *05/22/13 14:30*
Date Received: *05/23/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0139			mg/L	0.0002	0.001	06/05/13 6:55	pmc
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/05/13 6:55	pmc
Calcium, dissolved	M200.7 ICP	1	29.7			mg/L	0.2	1	06/05/13 19:09	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/05/13 19:09	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/05/13 6:55	pmc
Magnesium, dissolved	M200.7 ICP	1	10.6			mg/L	0.2	1	06/05/13 19:09	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/05/13 19:09	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/06/13 11:30	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/05/13 19:09	aeb
Potassium, dissolved	M200.7 ICP	1	4.6			mg/L	0.3	2	06/05/13 19:09	aeb
Selenium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0003	06/05/13 6:55	pmc
Silica, dissolved	M200.7 ICP	1	21.8			mg/L	0.4	2	06/05/13 19:09	aeb
Sodium, dissolved	M200.7 ICP	1	220			mg/L	0.3	2	06/05/13 19:09	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0060			mg/L	0.0001	0.0005	06/05/13 6:55	pmc

Uranium Energy Corp
Project ID:
Sample ID: RBW1-4

ACZ Sample ID: ***L12231-03***
Date Sampled: *05/22/13 14:30*
Date Received: *05/23/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	271		*	mg/L	2	20	05/30/13 0:00	abm
Carbonate as CaCO3		1	8	B	*	mg/L	2	20	05/30/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	05/30/13 0:00	abm
Total Alkalinity		1	278		*	mg/L	2	20	05/30/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.4			%			06/14/13 0:00	calc
Sum of Anions			12.1			meq/L	0.1	0.5	06/14/13 0:00	calc
Sum of Cations			12.2			meq/L	0.1	0.5	06/14/13 0:00	calc
Chloride	SM4500Cl-E	10	170		*	mg/L	10	50	06/07/13 10:23	bsu
Conductivity @25C	SM2510B	1	1210		*	umhos/cm	1	10	05/30/13 0:41	abm
Fluoride	SM4500F-C	1	0.8		*	mg/L	0.1	0.5	06/06/13 10:29	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/03/13 16:00	scp
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (glass fiber filter)	SOPWC050	1							05/23/13 15:51	mss3
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/14/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	05/23/13 22:34	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	05/23/13 22:34	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/06/13 14:46	jlf
pH (lab)	SM4500H+ B									
pH		1	8.3	H	*	units	0.1	0.1	05/30/13 0:00	abm
pH measured at		1	19.0		*	C	0.1	0.1	05/30/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	690		*	mg/L	10	20	05/28/13 16:35	mss3
Sulfate	D516-02 - Turbidimetric	5	81		*	mg/L	5	30	06/10/13 9:28	bsu
TDS (calculated)	Calculation		705			mg/L	10	50	06/14/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.98						06/14/13 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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12231***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344532													
WG344532PBW1	PBW	05/29/13 17:42				U	mg/L		-20	20			
WG344532LCSW2	LCSW	05/29/13 17:55	WC130514-	820.0001		755.3	mg/L	92.1	90	110			
WG344532LCSW5	LCSW	05/29/13 22:01	WC130514-	820.0001		784.4	mg/L	95.7	90	110			
WG344532PBW2	PBW	05/29/13 22:10				U	mg/L		-20	20			
L12231-03DUP	DUP	05/30/13 0:50			278	277.5	mg/L				0.2	20	
WG344532LCSW8	LCSW	05/30/13 1:04	WC130514-	820.0001		782.4	mg/L	95.4	90	110			
WG344532PBW3	PBW	05/30/13 1:13				2.1	mg/L		-20	20			
WG344532LCSW11	LCSW	05/30/13 4:24	WC130514-	820.0001		786.3	mg/L	95.9	90	110			
WG344532PBW4	PBW	05/30/13 4:32				2.5	mg/L		-20	20			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344946													
WG344946ICV	ICV	06/05/13 6:39	MS130416-2	.05		.05169	mg/L	103.4	90	110			
WG344946ICB	ICB	06/05/13 6:42				U	mg/L		-0.0006	0.0006			
WG344946LFB	LFB	06/05/13 6:45	MS130508-1	.05005		.05023	mg/L	100.4	85	115			
L12231-03AS	AS	06/05/13 6:58	MS130508-1	.05005	.0139	.06467	mg/L	101.4	70	130			
L12231-03ASD	ASD	06/05/13 7:01	MS130508-1	.05005	.0139	.06309	mg/L	98.3	70	130	2.47	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344946													
WG344946ICV	ICV	06/05/13 6:39	MS130416-2	.05		.05172	mg/L	103.4	90	110			
WG344946ICB	ICB	06/05/13 6:42				U	mg/L		-0.0003	0.0003			
WG344946LFB	LFB	06/05/13 6:45	MS130508-1	.0501		.05293	mg/L	105.6	85	115			
L12231-03AS	AS	06/05/13 6:58	MS130508-1	.0501	U	.04965	mg/L	99.1	70	130			
L12231-03ASD	ASD	06/05/13 7:01	MS130508-1	.0501	U	.0495	mg/L	98.8	70	130	0.3	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344986													
WG344986ICV	ICV	06/05/13 18:31	II130510-1	100		100.63	mg/L	100.6	95	105			
WG344986ICB	ICB	06/05/13 18:37				U	mg/L		-0.6	0.6			
WG344986LFB	LFB	06/05/13 18:50	II130524-3	67.95918		71.26	mg/L	104.9	85	115			
L12231-01AS	AS	06/05/13 18:59	II130524-3	67.95918	135	203.3	mg/L	100.5	85	115			
L12231-01ASD	ASD	06/05/13 19:02	II130524-3	67.95918	135	205.1	mg/L	103.2	85	115	0.88	20	

Uranium Energy Corp

ACZ Project ID: ***L12231***

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345075													
WG345075ICB	ICB	06/06/13 8:24				U	mg/L		-3	3			
WG345075ICV	ICV	06/06/13 8:24	WI130131-1	54.945		57.9	mg/L	105.4	90	110			
WG345075LFB1	LFB	06/06/13 9:03	WI130201-8	30		32.1	mg/L	107	90	110			
WG345075LFB2	LFB	06/06/13 9:13	WI130201-8	30		32.4	mg/L	108	90	110			
L12230-01AS	AS	06/06/13 9:22	10XCL	30	570	581	mg/L	36.7	90	110			M3
L12231-01DUP	DUP	06/06/13 9:22			410	416	mg/L				1.5	20	
WG345184													
WG345184ICB	ICB	06/07/13 8:34				U	mg/L		-3	3			
WG345184ICV	ICV	06/07/13 8:34	WI130131-1	54.945		58.2	mg/L	105.9	90	110			
WG345184LFB1	LFB	06/07/13 10:06	WI130201-8	30		31.7	mg/L	105.7	90	110			
L12232-01DUP	DUP	06/07/13 10:06			37	36.4	mg/L				1.6	20	
WG345184LFB2	LFB	06/07/13 10:15	WI130201-8	30		31.7	mg/L	105.7	90	110			
L12231-03AS	AS	06/07/13 10:23	10XCL	30	170	199	mg/L	96.7	90	110			

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344532													
WG344532LCSW1	LCSW	05/29/13 17:44	PCN41764	1408.8		1432.4	µmhos/cm	101.7	90	110			
WG344532LCSW4	LCSW	05/29/13 21:49	PCN41764	1408.8		1395.7	µmhos/cm	99.1	90	110			
L12231-03DUP	DUP	05/30/13 0:50			1210	1205	µmhos/cm				0.4	20	
WG344532LCSW7	LCSW	05/30/13 0:52	PCN41764	1408.8		1375.3	µmhos/cm	97.6	90	110			
WG344532LCSW10	LCSW	05/30/13 4:12	PCN41764	1408.8		1356.9	µmhos/cm	96.3	90	110			
WG344532LCSW13	LCSW	05/30/13 8:05	PCN41764	1408.8		1433.4	µmhos/cm	101.7	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345065													
WG345065ICV	ICV	06/06/13 9:58	WC130523-	2.002		1.97	mg/L	98.4	95	105			
WG345065ICB	ICB	06/06/13 10:04				U	mg/L		-0.3	0.3			
WG345065LFB1	LFB	06/06/13 10:11	WC130313-	5.005		4.82	mg/L	96.3	90	110			
L12230-01AS	AS	06/06/13 10:16	WC130313-	5.005	.8	5.58	mg/L	95.5	90	110			
L12230-01DUP	DUP	06/06/13 10:19			.8	.73	mg/L				9.2	20	RA
WG345065LFB2	LFB	06/06/13 12:14	WC130313-	5.005		4.73	mg/L	94.5	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344986													
WG344986ICV	ICV	06/05/13 18:31	II130510-1	2		2.028	mg/L	101.4	95	105			
WG344986ICB	ICB	06/05/13 18:37				U	mg/L		-0.06	0.06			
WG344986LFB	LFB	06/05/13 18:50	II130524-3	1		1.037	mg/L	103.7	85	115			
L12231-01AS	AS	06/05/13 18:59	II130524-3	1	U	1.034	mg/L	103.4	85	115			
L12231-01ASD	ASD	06/05/13 19:02	II130524-3	1	U	1.047	mg/L	104.7	85	115	1.25	20	

Uranium Energy Corp

ACZ Project ID: ***L12231***

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344946													
WG344946ICV	ICV	06/05/13 6:39	MS130416-2	.05		.05299	mg/L	106	90	110			
WG344946ICB	ICB	06/05/13 6:42				U	mg/L		-0.0003	0.0003			
WG344946LFB	LFB	06/05/13 6:45	MS130508-1	.05005		.05257	mg/L	105	85	115			
L12231-03AS	AS	06/05/13 6:58	MS130508-1	.05005	U	.05138	mg/L	102.7	70	130			
L12231-03ASD	ASD	06/05/13 7:01	MS130508-1	.05005	U	.05239	mg/L	104.7	70	130	1.95	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344986													
WG344986ICV	ICV	06/05/13 18:31	II130510-1	100		102.83	mg/L	102.8	95	105			
WG344986ICB	ICB	06/05/13 18:37				U	mg/L		-0.6	0.6			
WG344986LFB	LFB	06/05/13 18:50	II130524-3	49.99941		52	mg/L	104	85	115			
L12231-01AS	AS	06/05/13 18:59	II130524-3	49.99941	37.8	89.75	mg/L	103.9	85	115			
L12231-01ASD	ASD	06/05/13 19:02	II130524-3	49.99941	37.8	90.7	mg/L	105.8	85	115	1.05	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344986													
WG344986ICV	ICV	06/05/13 18:31	II130510-1	2		1.9648	mg/L	98.2	95	105			
WG344986ICB	ICB	06/05/13 18:37				U	mg/L		-0.015	0.015			
WG344986LFB	LFB	06/05/13 18:50	II130524-3	.5		.5076	mg/L	101.5	85	115			
L12231-01AS	AS	06/05/13 18:59	II130524-3	.5	.059	.5588	mg/L	100	85	115			
L12231-01ASD	ASD	06/05/13 19:02	II130524-3	.5	.059	.5639	mg/L	101	85	115	0.91	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344958													
WG344958ICV	ICV	06/06/13 10:18	II130522-4	.005025		.00484	mg/L	96.3	90	110			
WG344958ICB	ICB	06/06/13 10:20				U	mg/L		-0.0006	0.0006			
WG344959													
WG344959LRB	LRB	06/06/13 11:19				U	mg/L		-0.00044	0.00044			
WG344959LFB	LFB	06/06/13 11:21	II130515-2	.002002		.00192	mg/L	95.9	85	115			
L12231-03LFM	LFM	06/06/13 11:33	II130515-2	.002002	U	.00174	mg/L	86.9	85	115			
L12231-03LFMD	LFMD	06/06/13 11:35	II130515-2	.002002	U	.00175	mg/L	87.4	85	115	0.57	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344986													
WG344986ICV	ICV	06/05/13 18:31	II130510-1	2		2.019	mg/L	101	95	105			
WG344986ICB	ICB	06/05/13 18:37				U	mg/L		-0.06	0.06			
WG344986LFB	LFB	06/05/13 18:50	II130524-3	.5		.507	mg/L	101.4	85	115			
L12231-01AS	AS	06/05/13 18:59	II130524-3	.5	U	.505	mg/L	101	85	115			
L12231-01ASD	ASD	06/05/13 19:02	II130524-3	.5	U	.509	mg/L	101.8	85	115	0.79	20	

Uranium Energy Corp

ACZ Project ID: ***L12231***

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344278													
WG344278ICV	ICV	05/23/13 22:17	WI130411-3	2.416		2.505	mg/L	103.7	90	110			
WG344278ICB	ICB	05/23/13 22:18				U	mg/L		-0.06	0.06			
WG344278LFB1	LFB	05/23/13 22:22	WI130215-3	2		2.157	mg/L	107.9	90	110			
WG344278LFB2	LFB	05/23/13 22:56	WI130215-3	2		2.031	mg/L	101.6	90	110			
L12216-01AS	AS	05/23/13 23:06	WI130215-3	10	8.3	18.63	mg/L	103.3	90	110			
L12230-01DUP	DUP	05/23/13 23:09			U	U	mg/L				0	20	RA

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344278													
WG344278ICV	ICV	05/23/13 22:17	WI130411-3	.609		.607	mg/L	99.7	90	110			
WG344278ICB	ICB	05/23/13 22:18				U	mg/L		-0.03	0.03			
WG344278LFB1	LFB	05/23/13 22:22	WI130215-3	1		1.101	mg/L	110.1	90	110			
L12216-01AS	AS	05/23/13 22:25	WI130215-3	1	.03	1.139	mg/L	110.9	90	110			M1
L12230-01DUP	DUP	05/23/13 22:28			U	U	mg/L				0	20	RA
WG344278LFB2	LFB	05/23/13 22:56	WI130215-3	1		1.028	mg/L	102.8	90	110			

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345111													
WG345111ICV	ICV	06/06/13 14:37	WI121105-5	1.003		1.023	mg/L	102	90	110			
WG345111ICB	ICB	06/06/13 14:40				U	mg/L		-0.15	0.15			
WG345111LFB1	LFB	06/06/13 14:41	WI121218-3	1		.908	mg/L	90.8	90	110			
L12231-01AS	AS	06/06/13 14:43	WI121218-3	1	U	.924	mg/L	92.4	90	110			
L12231-02DUP	DUP	06/06/13 14:45			U	U	mg/L				0	20	RA
WG345111LFB2	LFB	06/06/13 15:12	WI121218-3	1		.9	mg/L	90	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344532													
WG344532LCSW3	LCSW	05/29/13 17:59	PCN40853	6		5.98	units	99.7	98	102			
WG344532LCSW6	LCSW	05/29/13 22:05	PCN40853	6		6	units	100	98	102			
L12231-03DUP	DUP	05/30/13 0:50			8.3	8.31	units				0.1	20	
WG344532LCSW9	LCSW	05/30/13 1:08	PCN40853	6		6	units	100	98	102			
WG344532LCSW12	LCSW	05/30/13 4:27	PCN40853	6		6.01	units	100.2	98	102			

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344986													
WG344986ICV	ICV	06/05/13 18:31	II130510-1	20		20.31	mg/L	101.6	95	105			
WG344986ICB	ICB	06/05/13 18:37				U	mg/L		-0.9	0.9			
WG344986LFB	LFB	06/05/13 18:50	II130524-3	99.97161		100.8	mg/L	100.8	85	115			
L12231-01AS	AS	06/05/13 18:59	II130524-3	99.97161	7.1	109.3	mg/L	102.2	85	115			
L12231-01ASD	ASD	06/05/13 19:02	II130524-3	99.97161	7.1	110.3	mg/L	103.2	85	115	0.91	20	

Uranium Energy Corp

ACZ Project ID: ***L12231***

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344436													
WG344436PBW	PBW	05/28/13 16:15				U	mg/L		-20	20			
WG344436LCSW	LCSW	05/28/13 16:16	PCN42165	260		246	mg/L	94.6	80	120			
L12261-06DUP	DUP	05/28/13 16:39			170	164	mg/L				3.6	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344946													
WG344946ICV	ICV	06/05/13 6:39	MS130416-2	.05		.05229	mg/L	104.6	90	110			
WG344946ICB	ICB	06/05/13 6:42				U	mg/L		-0.0003	0.0003			
WG344946LFB	LFB	06/05/13 6:45	MS130508-1	.05005		.05401	mg/L	107.9	85	115			
L12231-03AS	AS	06/05/13 6:58	MS130508-1	.05005	U	.04965	mg/L	99.2	70	130			
L12231-03ASD	ASD	06/05/13 7:01	MS130508-1	.05005	U	.05043	mg/L	100.8	70	130	1.56	20	

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344986													
WG344986ICV	ICV	06/05/13 18:31	II130510-1	42.8		43.62	mg/L	101.9	95	105			
WG344986ICB	ICB	06/05/13 18:37				U	mg/L		-1.2	1.2			
WG344986LFB	LFB	06/05/13 18:50	II130524-3	21.428		22.73	mg/L	106.1	85	115			
L12231-01AS	AS	06/05/13 18:59	II130524-3	21.428	62.4	83.89	mg/L	100.3	85	115			
L12231-01ASD	ASD	06/05/13 19:02	II130524-3	21.428	62.4	84.81	mg/L	104.6	85	115	1.09	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344986													
WG344986ICV	ICV	06/05/13 18:31	II130510-1	100		101.48	mg/L	101.5	95	105			
WG344986ICB	ICB	06/05/13 18:37				U	mg/L		-0.9	0.9			
WG344986LFB	LFB	06/05/13 18:50	II130524-3	100.0416		101.2	mg/L	101.2	85	115			
L12231-01AS	AS	06/05/13 18:59	II130524-3	100.0416	177	278.7	mg/L	101.7	85	115			
L12231-01ASD	ASD	06/05/13 19:02	II130524-3	100.0416	177	279.9	mg/L	102.9	85	115	0.43	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345250													
WG345250ICB	ICB	06/10/13 8:03				U	mg/L		-3	3			
WG345250ICV	ICV	06/10/13 8:03	WI130605-1	20		19.9	mg/L	99.5	90	110			
WG345250LFB	LFB	06/10/13 9:21	WI130416-3	9.99		10.2	mg/L	102.1	90	110			
L12231-01AS	AS	06/10/13 9:28	SO4TURB5	10	56	67	mg/L	110	90	110			
L12230-01DUP	DUP	06/10/13 9:47			710	723	mg/L				1.8	20	

Uranium Energy Corp

ACZ Project ID: ***L12231***

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344946													
WG344946ICV	ICV	06/05/13 6:39	MS130416-2	.05		.05162	mg/L	103.2	90	110			
WG344946ICB	ICB	06/05/13 6:42				U	mg/L		-0.0003	0.0003			
WG344946LFB	LFB	06/05/13 6:45	MS130508-1	.05		.0519	mg/L	103.8	85	115			
L12231-03AS	AS	06/05/13 6:58	MS130508-1	.05	.006	.05802	mg/L	104	70	130			
L12231-03ASD	ASD	06/05/13 7:01	MS130508-1	.05	.006	.05944	mg/L	106.9	70	130	2.42	20	

Uranium Energy Corp ACZ Project ID: ***L12231***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12231-01	WG344532	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345075	Chloride	SM4500Cl-E	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.
			SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344532	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345065	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344532	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344278	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345111	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344532	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG344436	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345250	Sulfate	D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG344532	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

Uranium Energy Corp ACZ Project ID: ***L12231***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12231-02	WG344532	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345075	Chloride	SM4500Cl-E	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.
			SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344532	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345065	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344532	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344278	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345111	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344532	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG344436	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345250	Sulfate	D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG344532	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

Uranium Energy Corp ACZ Project ID: ***L12231***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12231-03	WG344532	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345184	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344532	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345065	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344532	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344278	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345111	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344532	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG344436	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345250	Sulfate	D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG344532	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW1-5
Locator:

ACZ Sample ID: ***L12231-01***
Date Sampled: *05/22/13 12:25*
Date Received: *05/23/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/13/13 8:14		0.13	0.1	0.13	pCi/L		mla

Uranium Energy Corp
Project ID:
Sample ID: RBW1-3
Locator:

ACZ Sample ID: ***L12231-02***
Date Sampled: *05/22/13 13:35*
Date Received: *05/23/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved

Prep Method:
M903.1

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/13/13 8:15		1.1	0.16	0.18	pCi/L		mla

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW1-4
Locator:

ACZ Sample ID: ***L12231-03***
Date Sampled: *05/22/13 14:30*
Date Received: *05/23/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/13/13 8:17		1	0.13	0.19	pCi/L		mla

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12231***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG345624																
WG344767PBW	PBW	06/13/13						-.01	0.07	0.09			0.18			
WG344767LCSW	LCSW	06/13/13	RC130227-2	23.92				19	0.46	0.06	79.4	43	148			
L12230-01DUP	DUP-RER	06/13/13			0.34	0.09	0.08	.34	0.07	0.07				0	2	
L12294-01DUP	DUP-RER	06/13/13			0.15	0.06	0.08	.07	0.09	0.2				0.74	2	
L12231-02MS	MS	06/13/13	RC130227-2	23.92	1.1	0.16	0.18	22	0.51	0.14	87.4	43	148			

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RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L12231***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L12231***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12231
Date Received: 05/23/2013 10:20
Received By: ksj
Date Printed: 5/23/2013

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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	

L12231-01 Container B1336233: A label was not present on the sample containers, but was present on the sample bag.

L12231-01 Container B1336234: A label was not present on the sample containers, but was present on the sample bag.

L12231-01 Container B1336235: A label was not present on the sample containers, but was present on the sample bag.

L12231-02 Container B1336237: A label was not present on the sample containers, but was present on the sample bag.

L12231-02 Container B1336239: A label was not present on the sample containers, but was present on the sample bag.

L12231-02 Container B1336240: A label was not present on the sample containers, but was present on the sample bag.

L12231-03 Container B1336242: A label was not present on the sample containers, but was present on the sample bag.

L12231-03 Container B1336244: A label was not present on the sample containers, but was present on the sample bag.

L12231-03 Container B1336245: A label was not present on the sample containers, but was present on the sample bag.

10) Do the sample labels and Chain of Custody match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

ACZ Laboratories, Inc.
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Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12231
Date Received: 05/23/2013 10:20
Received By: ksj
Date Printed: 5/23/2013

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		

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
3333	14.3	11	N/A

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.

L12231

ACZ Laboratories, Inc.

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

CHAIN of CUSTODY

Report to:

Name: CRAIG Wall
Company: UEC
E-mail: CWall@uraniumenergy.com
Address: 500 N. Shoreline Blvd. Ste R20M
Corpus Christi, TX 78401
Telephone: 361 888 8235

Copy of Report to:

Name: AJ Hecker
Company: UEC
E-mail: ahecker@uraniumenergy.com
Telephone: 361 888 8235

Invoice to:

Name: KATIE PARSONS
Company: UEC
E-mail: kparsons@uraniumenergy.com
Address: 500 N. Shoreline Blvd. Ste 800N Corpus Christi, TX 78401
Telephone: 361 888 8235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: AJ Hecker **Sampler's site Information** **State:** TX **Zip code** 78401 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:
PO#:
Reporting state for compliance testing: TX
Check box if samples include NRC licensed material? [ ]

ANALYSIS REQUESTED (Attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TCEQ 2007B
RBW1-5	5/22/13 12:25	GW	4	X
RBW1-3	5/22/13 1:35	GW	4	X
RBW1-4	5/22/13 2:30	GW	4	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
AJ Hecker	5/22/13 5:00 pm	[signature]	5/23/13 10:30

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

112231 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 01, 2013

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L12862

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 21, 2013. This project has been assigned to ACZ's project number, L12862. 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 L12862. 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 August 31, 2013. 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 Energy Corp
Project ID:
Sample ID: RBW 2-5

ACZ Sample ID: ***L12862-01***
Date Sampled: *06/20/13 11:15*
Date Received: *06/21/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0248			mg/L	0.0002	0.001	07/09/13 4:34	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	07/09/13 4:34	msh
Calcium, dissolved	M200.7 ICP	1	70.9			mg/L	0.2	1	07/05/13 11:56	jjc
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	07/05/13 11:56	jjc
Lead, dissolved	M200.8 ICP-MS	1	0.0011			mg/L	0.0001	0.0005	07/09/13 4:34	msh
Magnesium, dissolved	M200.7 ICP	1	20.0			mg/L	0.2	1	07/05/13 11:56	jjc
Manganese, dissolved	M200.7 ICP	1	0.011	B		mg/L	0.005	0.03	07/05/13 11:56	jjc
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	07/05/13 10:37	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	07/05/13 11:56	jjc
Potassium, dissolved	M200.7 ICP	1	8.6			mg/L	0.3	2	07/05/13 11:56	jjc
Selenium, dissolved	M200.8 ICP-MS	1	0.0031			mg/L	0.0001	0.0003	07/09/13 4:34	msh
Silica, dissolved	M200.7 ICP	1	37.4			mg/L	0.4	2	07/05/13 11:56	jjc
Sodium, dissolved	M200.7 ICP	1	235			mg/L	0.3	2	07/05/13 11:56	jjc
Uranium, dissolved	M200.8 ICP-MS	1	0.0072			mg/L	0.0001	0.0005	07/09/13 4:34	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 2-5

ACZ Sample ID: ***L12862-01***
Date Sampled: *06/20/13 11:15*
Date Received: *06/21/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	304		*	mg/L	2	20	06/22/13 0:00	khw
Carbonate as CaCO3		1	13	B	*	mg/L	2	20	06/22/13 0:00	khw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/22/13 0:00	khw
Total Alkalinity		1	317		*	mg/L	2	20	06/22/13 0:00	khw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-0.9			%			08/01/13 0:00	calc
Sum of Anions			16.1			meq/L	0.1	0.5	08/01/13 0:00	calc
Sum of Cations			15.8			meq/L	0.1	0.5	08/01/13 0:00	calc
Chloride	SM4500Cl-E	10	270		*	mg/L	10	50	07/09/13 16:27	bsu
Conductivity @25C	SM2510B	1	1600		*	umhos/cm	1	10	06/22/13 22:06	khw
Fluoride	SM4500F-C	1	0.7		*	mg/L	0.1	0.5	07/03/13 15:22	abm
Lab Filtration (0.45um filter)	SOPWC050	1							06/25/13 11:28	khw
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							07/01/13 15:24	mfm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					06/26/13 12:00	jrd
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	08/01/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	06/21/13 19:18	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/21/13 19:18	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1	0.13	B	*	mg/L	0.05	0.5	07/08/13 14:20	mpb
pH (lab)	SM4500H+ B									
pH		1	8.3	H	*	units	0.1	0.1	06/22/13 0:00	khw
pH measured at		1	23.0		*	C	0.1	0.1	06/22/13 0:00	khw
Residue, Filterable (TDS) @180C	SM2540C	1	880		*	mg/L	10	20	06/26/13 10:20	dcw
Sulfate	D516-02 - Turbidimetric	5	103		*	mg/L	5	30	07/08/13 16:51	bsu
TDS (calculated)	Calculation		936			mg/L	10	50	08/01/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.94						08/01/13 0:00	calc

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-2B

ACZ Sample ID: ***L12862-02***
Date Sampled: *06/20/13 13:40*
Date Received: *06/21/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0149			mg/L	0.0002	0.001	07/09/13 4:37	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	07/09/13 4:37	msh
Calcium, dissolved	M200.7 ICP	1	14.6			mg/L	0.2	1	07/05/13 11:59	jjc
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	07/05/13 11:59	jjc
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	07/09/13 4:37	msh
Magnesium, dissolved	M200.7 ICP	1	1.6			mg/L	0.2	1	07/05/13 11:59	jjc
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	07/05/13 11:59	jjc
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	07/05/13 10:40	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	07/05/13 11:59	jjc
Potassium, dissolved	M200.7 ICP	1	8.3			mg/L	0.3	2	07/05/13 11:59	jjc
Selenium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0003	07/09/13 4:37	msh
Silica, dissolved	M200.7 ICP	1	22.4			mg/L	0.4	2	07/05/13 11:59	jjc
Sodium, dissolved	M200.7 ICP	1	262			mg/L	0.3	2	07/05/13 11:59	jjc
Uranium, dissolved	M200.8 ICP-MS	1	0.0017			mg/L	0.0001	0.0005	07/09/13 4:37	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-2B

ACZ Sample ID: ***L12862-02***
Date Sampled: *06/20/13 13:40*
Date Received: *06/21/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	264		*	mg/L	2	20	06/22/13 0:00	khw
Carbonate as CaCO3		1	42		*	mg/L	2	20	06/22/13 0:00	khw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/22/13 0:00	khw
Total Alkalinity		1	306		*	mg/L	2	20	06/22/13 0:00	khw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			2.9			%			08/01/13 0:00	calc
Sum of Anions			11.9			meq/L	0.1	0.5	08/01/13 0:00	calc
Sum of Cations			12.6			meq/L	0.1	0.5	08/01/13 0:00	calc
Chloride	SM4500Cl-E	10	140		*	mg/L	10	50	07/09/13 17:00	bsu
Conductivity @25C	SM2510B	1	1250		*	umhos/cm	1	10	06/22/13 22:16	khw
Fluoride	SM4500F-C	1	0.7		*	mg/L	0.1	0.5	07/03/13 15:25	abm
Lab Filtration (0.45um filter)	SOPWC050	1							06/25/13 11:30	khw
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							07/01/13 15:24	mfm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					06/26/13 12:00	jrd
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.04	B		mg/L	0.02	0.1	08/01/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.04	B	*	mg/L	0.02	0.1	06/21/13 19:19	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/21/13 19:19	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	07/08/13 14:22	mpb
pH (lab)	SM4500H+ B									
pH		1	8.9	H	*	units	0.1	0.1	06/22/13 0:00	khw
pH measured at		1	23.0		*	C	0.1	0.1	06/22/13 0:00	khw
Residue, Filterable (TDS) @180C	SM2540C	1	680		*	mg/L	10	20	06/26/13 10:23	dcw
Sulfate	D516-02 - Turbidimetric	5	86.0		*	mg/L	5	30	07/08/13 16:51	bsu
TDS (calculated)	Calculation		719			mg/L	10	50	08/01/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						08/01/13 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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12862***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346203													
WG346203PBW1	PBW	06/22/13 10:56				16.2	mg/L		-20	20			
WG346203LCSW2	LCSW	06/22/13 11:08	WC130613-	820.0001		752.5	mg/L	91.8	90	110			
WG346203LCSW5	LCSW	06/22/13 13:44	WC130613-	820.0001		783.1	mg/L	95.5	90	110			
WG346203PBW2	PBW	06/22/13 13:52				2.5	mg/L		-20	20			
WG346203LCSW8	LCSW	06/22/13 17:32	WC130613-	820.0001		787.9	mg/L	96.1	90	110			
WG346203PBW3	PBW	06/22/13 17:41				3.8	mg/L		-20	20			
WG346203LCSW11	LCSW	06/22/13 20:10	WC130613-	820.0001		770.5	mg/L	94	90	110			
WG346203PBW4	PBW	06/22/13 20:18				2.8	mg/L		-20	20			
L12883-03DUP	DUP	06/22/13 23:28			141	141.9	mg/L				0.6	20	
WG346203LCSW14	LCSW	06/22/13 23:40	WC130613-	820.0001		776.6	mg/L	94.7	90	110			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347151													
WG347151ICV	ICV	07/09/13 3:47	MS130416-2	.05		.05234	mg/L	104.7	90	110			
WG347151ICB	ICB	07/09/13 3:50				U	mg/L		-0.0006	0.0006			
WG347151LFB	LFB	07/09/13 3:53	MS130614-1	.05005		.04941	mg/L	98.7	85	115			
L12793-02AS	AS	07/09/13 4:10	MS130614-1	.25025	.007	.2755	mg/L	107.3	70	130			
L12793-02ASD	ASD	07/09/13 4:14	MS130614-1	.25025	.007	.2712	mg/L	105.6	70	130	1.57	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347151													
WG347151ICV	ICV	07/09/13 3:47	MS130416-2	.05		.05017	mg/L	100.3	90	110			
WG347151ICB	ICB	07/09/13 3:50				U	mg/L		-0.0003	0.0003			
WG347151LFB	LFB	07/09/13 3:53	MS130614-1	.0501		.05055	mg/L	100.9	85	115			
L12793-02AS	AS	07/09/13 4:10	MS130614-1	.2505	U	.24425	mg/L	97.5	70	130			
L12793-02ASD	ASD	07/09/13 4:14	MS130614-1	.2505	U	.2472	mg/L	98.7	70	130	1.2	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347028													
WG347028ICV	ICV	07/05/13 11:35	II130510-1	100		98.54	mg/L	98.5	95	105			
WG347028ICB	ICB	07/05/13 11:41				U	mg/L		-0.6	0.6			
WG347028LFB	LFB	07/05/13 11:53	II130621-2	67.95918		71.16	mg/L	104.7	85	115			
L12980-01AS	AS	07/05/13 12:09	II130621-2	67.95918	135	201.5	mg/L	97.9	85	115			
L12980-01ASD	ASD	07/05/13 12:12	II130621-2	67.95918	135	202.5	mg/L	99.3	85	115	0.5	20	

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347269													
WG347269ICB	ICB	07/09/13 15:10				U	mg/L		-3	3			
WG347269ICV	ICV	07/09/13 15:10	WI130131-1	54.945		59.9	mg/L	109	90	110			
WG347269LFB1	LFB	07/09/13 16:17	WI130201-8	30		32.3	mg/L	107.7	90	110			
L12862-01AS	AS	07/09/13 16:27	10XCL	30	270	292	mg/L	73.3	90	110			M3
WG347269LFB2	LFB	07/09/13 16:35	WI130201-8	30		32.3	mg/L	107.7	90	110			
L12862-02DUP	DUP	07/09/13 17:02			140	147	mg/L				4.9	20	

Uranium Energy Corp

ACZ Project ID: ***L12862***

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346203													
WG346203LCSW1	LCSW	06/22/13 10:57	PCN41764	1408.8		1454.1	umhos/cm	103.2	90	110			
WG346203LCSW4	LCSW	06/22/13 13:32	PCN41764	1408.8		1422.2	umhos/cm	101	90	110			
WG346203LCSW7	LCSW	06/22/13 17:21	PCN41764	1408.8		1400.7	umhos/cm	99.4	90	110			
WG346203LCSW10	LCSW	06/22/13 19:59	PCN41764	1408.8		1378.1	umhos/cm	97.8	90	110			
L12883-03DUP	DUP	06/22/13 23:28			379	380	umhos/cm				0.3	20	
WG346203LCSW13	LCSW	06/22/13 23:29	PCN41764	1408.8		1350.3	umhos/cm	95.8	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346960													
WG346960ICV	ICV	07/03/13 12:03	WC130701-	2.002		2.04	mg/L	101.9	95	105			
WG346960ICB	ICB	07/03/13 12:09				U	mg/L		-0.3	0.3			
WG346961													
WG346961LFB1	LFB	07/03/13 15:15	WC130313-	5.005		4.93	mg/L	98.5	90	110			
L12862-02AS	AS	07/03/13 15:29	WC130313-	5.005	.7	5.46	mg/L	95.1	90	110			
L12862-02DUP	DUP	07/03/13 15:33			.7	.66	mg/L				5.9	20	RA
WG346961LFB2	LFB	07/03/13 17:36	WC130313-	5.005		4.82	mg/L	96.3	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347028													
WG347028ICV	ICV	07/05/13 11:35	II130510-1	2		1.996	mg/L	99.8	95	105			
WG347028ICB	ICB	07/05/13 11:41				U	mg/L		-0.06	0.06			
WG347028LFB	LFB	07/05/13 11:53	II130621-2	1		1.049	mg/L	104.9	85	115			
L12980-01AS	AS	07/05/13 12:09	II130621-2	1	U	1.034	mg/L	103.4	85	115			
L12980-01ASD	ASD	07/05/13 12:12	II130621-2	1	U	1.04	mg/L	104	85	115	0.58	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347151													
WG347151ICV	ICV	07/09/13 3:47	MS130416-2	.05		.05386	mg/L	107.7	90	110			
WG347151ICB	ICB	07/09/13 3:50				U	mg/L		-0.0003	0.0003			
WG347151LFB	LFB	07/09/13 3:53	MS130614-1	.05005		.05254	mg/L	105	85	115			
L12793-02AS	AS	07/09/13 4:10	MS130614-1	.25025	U	.2617	mg/L	104.6	70	130			
L12793-02ASD	ASD	07/09/13 4:14	MS130614-1	.25025	U	.26355	mg/L	105.3	70	130	0.7	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347028													
WG347028ICV	ICV	07/05/13 11:35	II130510-1	100		98.32	mg/L	98.3	95	105			
WG347028ICB	ICB	07/05/13 11:41				U	mg/L		-0.6	0.6			
WG347028LFB	LFB	07/05/13 11:53	II130621-2	49.99941		51.46	mg/L	102.9	85	115			
L12980-01AS	AS	07/05/13 12:09	II130621-2	49.99941	48.1	99.03	mg/L	101.9	85	115			
L12980-01ASD	ASD	07/05/13 12:12	II130621-2	49.99941	48.1	99.55	mg/L	102.9	85	115	0.52	20	

Uranium Energy Corp

ACZ Project ID: ***L12862***

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347028													
WG347028ICV	ICV	07/05/13 11:35	II130510-1	2		1.9792	mg/L	99	95	105			
WG347028ICB	ICB	07/05/13 11:41				U	mg/L		-0.015	0.015			
WG347028LFB	LFB	07/05/13 11:53	II130621-2	.5		.5371	mg/L	107.4	85	115			
L12980-01AS	AS	07/05/13 12:09	II130621-2	.5	U	.5318	mg/L	106.4	85	115			
L12980-01ASD	ASD	07/05/13 12:12	II130621-2	.5	U	.5321	mg/L	106.4	85	115	0.06	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346952													
WG346952ICV	ICV	07/05/13 10:27	II130625-1	.005025		.00494	mg/L	98.3	95	105			
WG346952ICB	ICB	07/05/13 10:29				U	mg/L		-0.0002	0.0002			
WG346952LRB	LRB	07/05/13 10:31				U	mg/L		-0.00044	0.00044			
WG346952LFB	LFB	07/05/13 10:33	II130611-2	.002002		.00185	mg/L	92.4	85	115			
L12862-02LFM	LFM	07/05/13 10:42	II130611-2	.002002	U	.00173	mg/L	86.4	85	115			
L12862-02LFMD	LFMD	07/05/13 10:44	II130611-2	.002002	U	.00177	mg/L	88.4	85	115	2.29	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347028													
WG347028ICV	ICV	07/05/13 11:35	II130510-1	2		1.995	mg/L	99.8	95	105			
WG347028ICB	ICB	07/05/13 11:41				U	mg/L		-0.06	0.06			
WG347028LFB	LFB	07/05/13 11:53	II130621-2	.5		.518	mg/L	103.6	85	115			
L12980-01AS	AS	07/05/13 12:09	II130621-2	.5	U	.518	mg/L	103.6	85	115			
L12980-01ASD	ASD	07/05/13 12:12	II130621-2	.5	U	.524	mg/L	104.8	85	115	1.15	20	

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346190													
WG346190ICV	ICV	06/21/13 18:58	WI130411-3	2.416		2.407	mg/L	99.6	90	110			
WG346190ICB	ICB	06/21/13 18:59				U	mg/L		-0.06	0.06			
WG346190LFB1	LFB	06/21/13 19:02	WI130215-3	2		1.967	mg/L	98.4	90	110			
L12809-01AS	AS	06/21/13 19:05	WI130215-3	2	U	1.962	mg/L	98.1	90	110			
L12809-02DUP	DUP	06/21/13 19:07			U	U	mg/L				0	20	RA
WG346190LFB2	LFB	06/21/13 19:36	WI130215-3	2		1.971	mg/L	98.6	90	110			

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346190													
WG346190ICV	ICV	06/21/13 18:58	WI130411-3	.609		.6	mg/L	98.5	90	110			
WG346190ICB	ICB	06/21/13 18:59				U	mg/L		-0.03	0.03			
WG346190LFB1	LFB	06/21/13 19:02	WI130215-3	1		1.01	mg/L	101	90	110			
L12809-01AS	AS	06/21/13 19:05	WI130215-3	1	.01	1.012	mg/L	100.2	90	110			
L12809-02DUP	DUP	06/21/13 19:07			.02	.016	mg/L				22.2	20	RA
WG346190LFB2	LFB	06/21/13 19:36	WI130215-3	1		1.01	mg/L	101	90	110			

Uranium Energy Corp

ACZ Project ID: ***L12862***

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347124													
WG347124ICV	ICV	07/08/13 12:58	WI121105-5	1.003		.973	mg/L	97	90	110			
WG347124ICB	ICB	07/08/13 13:01				U	mg/L		-0.15	0.15			
WG347126													
WG347126LFB1	LFB	07/08/13 14:19	WI121218-3	1		.992	mg/L	99.2	90	110			
L12862-01AS	AS	07/08/13 14:21	WI121218-3	1	.13	1.013	mg/L	88.3	90	110			M2
L12862-02DUP	DUP	07/08/13 14:24			U	U	mg/L				0	20	RA
WG347126LFB2	LFB	07/08/13 15:49	WI121218-3	1		1.02	mg/L	102	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346203													
WG346203LCSW3	LCSW	06/22/13 11:12	PCN40853	6		6	units	100	98	102			
WG346203LCSW6	LCSW	06/22/13 13:47	PCN40853	6		6.01	units	100.2	98	102			
WG346203LCSW9	LCSW	06/22/13 17:35	PCN40853	6		6.01	units	100.2	98	102			
WG346203LCSW12	LCSW	06/22/13 20:13	PCN40853	6		6.05	units	100.8	98	102			
L12883-03DUP	DUP	06/22/13 23:28			8.4	8.43	units				0.4	20	
WG346203LCSW15	LCSW	06/22/13 23:44	PCN40853	6		6.05	units	100.8	98	102			

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347028													
WG347028ICV	ICV	07/05/13 11:35	II130510-1	20		20.03	mg/L	100.2	95	105			
WG347028ICB	ICB	07/05/13 11:41				U	mg/L		-0.9	0.9			
WG347028LFB	LFB	07/05/13 11:53	II130621-2	99.97161		104	mg/L	104	85	115			
L12980-01AS	AS	07/05/13 12:09	II130621-2	99.97161	.8	106.6	mg/L	105.8	85	115			
L12980-01ASD	ASD	07/05/13 12:12	II130621-2	99.97161	.8	107.5	mg/L	106.7	85	115	0.84	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346440													
WG346440PBW	PBW	06/26/13 10:00				U	mg/L		-20	20			
WG346440LCSW	LCSW	06/26/13 10:02	PCN42882	260		252	mg/L	96.9	80	120			
L12872-02DUP	DUP	06/26/13 10:31			70	56	mg/L				22.2	10	RA

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347151													
WG347151ICV	ICV	07/09/13 3:47	MS130416-2	.05		.05179	mg/L	103.6	90	110			
WG347151ICB	ICB	07/09/13 3:50				U	mg/L		-0.0003	0.0003			
WG347151LFB	LFB	07/09/13 3:53	MS130614-1	.05005		.05112	mg/L	102.1	85	115			
L12793-02AS	AS	07/09/13 4:10	MS130614-1	.25025	.0033	.2672	mg/L	105.5	70	130			
L12793-02ASD	ASD	07/09/13 4:14	MS130614-1	.25025	.0033	.2637	mg/L	104.1	70	130	1.32	20	

Uranium Energy Corp

ACZ Project ID: ***L12862***

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347028													
WG347028ICV	ICV	07/05/13 11:35	II130510-1	42.8		42.78	mg/L	100	95	105			
WG347028ICB	ICB	07/05/13 11:41				U	mg/L		-1.2	1.2			
WG347028LFB	LFB	07/05/13 11:53	II130621-2	21.428		23.5	mg/L	109.7	85	115			
L12980-01AS	AS	07/05/13 12:09	II130621-2	21.428	15.2	38.24	mg/L	107.5	85	115			
L12980-01ASD	ASD	07/05/13 12:12	II130621-2	21.428	15.2	38.31	mg/L	107.8	85	115	0.18	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347028													
WG347028ICV	ICV	07/05/13 11:35	II130510-1	100		99.25	mg/L	99.3	95	105			
WG347028ICB	ICB	07/05/13 11:41				U	mg/L		-0.9	0.9			
WG347028LFB	LFB	07/05/13 11:53	II130621-2	100.0416		101.9	mg/L	101.9	85	115			
L12980-01AS	AS	07/05/13 12:09	II130621-2	100.0416	14.1	118.1	mg/L	104	85	115			
L12980-01ASD	ASD	07/05/13 12:12	II130621-2	100.0416	14.1	119.7	mg/L	105.6	85	115	1.35	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347164													
WG347164ICB	ICB	07/08/13 13:56				U	mg/L		-3	3			
WG347164ICV	ICV	07/08/13 13:56	WI130708-8	20		19.5	mg/L	97.5	90	110			
WG347164LFB	LFB	07/08/13 16:44	WI130416-3	9.99		9.2	mg/L	92.1	90	110			
L12862-01DUP	DUP	07/08/13 16:51			103	104	mg/L				1	20	
L12862-02AS	AS	07/08/13 16:51	SO4TURB5	10	86	94.7	mg/L	87	90	110			M3

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG347151													
WG347151ICV	ICV	07/09/13 3:47	MS130416-2	.05		.05248	mg/L	105	90	110			
WG347151ICB	ICB	07/09/13 3:50				U	mg/L		-0.0003	0.0003			
WG347151LFB	LFB	07/09/13 3:53	MS130614-1	.05		.05109	mg/L	102.2	85	115			
L12793-02AS	AS	07/09/13 4:10	MS130614-1	.25	.3938	.6485	mg/L	101.9	70	130			
L12793-02ASD	ASD	07/09/13 4:14	MS130614-1	.25	.3938	.6495	mg/L	102.3	70	130	0.15	20	

Uranium Energy Corp ACZ Project ID: ***L12862***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12862-01	WG346203	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG347269	Chloride	SM4500Cl-E	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.
			SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG346203	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG346961	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG346203	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG346190	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG347126	Nitrogen, ammonia	M350.1 - Automated Phenate	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG346203	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG346440	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
			SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG347164	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG346203	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

Uranium Energy Corp ACZ Project ID: ***L12862***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12862-02	WG346203	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG347269	Chloride	SM4500Cl-E	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.
			SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG346203	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG346961	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG346203	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG346190	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG347126	Nitrogen, ammonia	M350.1 - Automated Phenate	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG346203	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG346440	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
			SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG347164	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG346203	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 2-5
Locator:

ACZ Sample ID: ***L12862-01***
Date Sampled: *06/20/13 11:15*
Date Received: *06/21/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	07/29/13 0:24		0.58	0.11	0.19	pCi/L		cra

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-2B
Locator:

ACZ Sample ID: ***L12862-02***
Date Sampled: *06/20/13 13:40*
Date Received: *06/21/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	07/29/13 0:25		-0.08	0.25	0.5	pCi/L		cra

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12862***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG348490																
WG348073PBW	PBW	07/29/13						.17	0.14	0.31			0.62			
WG348073LCSW	LCSW	07/29/13	RC130227-2	23.92				23	0.68	0.24	96.2	43	148			
L12890-02DUP	DUP-RER	07/29/13			0.44	0.14	0.12	.32	0.13	0.19				0.63	2	
L12862-02MS	MS	07/29/13	RC130227-2	23.92	-0.08	0.25	0.5	16	0.49	0.15	67.2	43	148			

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RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L12862***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L12862***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12862
Date Received: 06/21/2013 10:00
Received By: gac
Date Printed: 6/23/2013

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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	

L12862-01 Container B1349799: A label was not present on the sample containers, but was present on the sample bag.

L12862-01 Container B1349801: A label was not present on the sample containers, but was present on the sample bag.

L12862-01 Container B1349802: A label was not present on the sample containers, but was present on the sample bag.

L12862-02 Container B1349805: A label was not present on the sample containers, but was present on the sample bag.

L12862-02 Container B1349806: A label was not present on the sample containers, but was present on the sample bag.

L12862-02 Container B1349808: A label was not present on the sample containers, but was present on the sample bag.

10) Do the sample labels and Chain of Custody match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

Chain of Custody Related Remarks

Client Contact Remarks

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12862
Date Received: 06/21/2013 10:00
Received By: gac
Date Printed: 6/23/2013

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
3657	15.9	13	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

L12862

ACZ Laboratories, Inc.

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

CHAIN of CUSTODY

Report to:

Name: Craig Wall	Address: 500 N. Shoreline Blvd. Ste.800N
Company: UEC	Corpus Christi, TX 78401
E-mail: cwall@uraniumenergy.com	Telephone: 361-888-8235

Copy of Report to:

Name: A.J. Hecker	E-mail: ahecker@uraniumenergy.com
Company: UEC	Telephone: 361-888-8235

Invoice to:

Name: Katie Parsons	Address: 500 N. Shoreline Blvd. Ste.800N
Company: UEC	Corpus Christi, Tx 78401
E-mail: kparsons@uraniumenergy.com	Telephone: 361-888-8235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: A.J. Hecker **Sampler's site information** **State:** TX **Zip code** 78401 **Time Zone** Central

Check box if observe Daylight Savings Time [ ]

PROJECT INFORMATION

Quote #:

PO#:

Reporting state for compliance testing: TX

Check box if samples include NRC licensed material? [ ]

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TCEQ 2007							
RBW2-5	6/20/13 11:15AM	GW	5	X							
RBW 5-2B	6/20/13 1:40PM	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
AJ HECKER	6/20/13 4:00PM		
		[signature] 6-21-13	10:00

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

L12862 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

June 26, 2013

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L12455

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 04, 2013. This project has been assigned to ACZ's project number, L12455. 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 L12455. 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 July 26, 2013. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 3-2

ACZ Sample ID: ***L12455-01***
Date Sampled: *06/03/13 11:20*
Date Received: *06/04/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0222			mg/L	0.0002	0.001	06/12/13 1:42	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 1:42	msh
Calcium, dissolved	M200.7 ICP	1	23.3			mg/L	0.2	1	06/17/13 21:29	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/17/13 21:29	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 1:42	msh
Magnesium, dissolved	M200.7 ICP	1	3.5			mg/L	0.2	1	06/17/13 21:29	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/17/13 21:29	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/12/13 13:40	mfm
Molybdenum, dissolved	M200.7 ICP	1	0.28			mg/L	0.02	0.1	06/17/13 21:29	aeb
Potassium, dissolved	M200.7 ICP	1	6.9			mg/L	0.3	2	06/17/13 21:29	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0002	B		mg/L	0.0001	0.0003	06/12/13 1:42	msh
Silica, dissolved	M200.7 ICP	1	21.4			mg/L	0.4	2	06/17/13 21:29	aeb
Sodium, dissolved	M200.7 ICP	1	190			mg/L	0.3	2	06/17/13 21:29	aeb
Uranium, dissolved	M200.8 ICP-MS	2	0.2400			mg/L	0.0002	0.001	06/12/13 20:25	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 3-2

ACZ Sample ID: ***L12455-01***
Date Sampled: *06/03/13 11:20*
Date Received: *06/04/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	160		*	mg/L	2	20	06/07/13 0:00	abm
Carbonate as CaCO3		1	20		*	mg/L	2	20	06/07/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/07/13 0:00	abm
Total Alkalinity		1	180		*	mg/L	2	20	06/07/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			3.1			%			06/26/13 0:00	calc
Sum of Anions			9.4			meq/L	0.1	0.5	06/26/13 0:00	calc
Sum of Cations			10			meq/L	0.1	0.5	06/26/13 0:00	calc
Chloride	SM4500Cl-E	10	150		*	mg/L	10	50	06/17/13 16:12	jlf
Conductivity @25C	SM2510B	1	1000		*	umhos/cm	1	10	06/07/13 6:20	abm
Fluoride	SM4500F-C	1	0.7		*	mg/L	0.1	0.5	06/18/13 13:20	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/05/13 15:45	las
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							06/07/13 8:30	jrd/mhm
Lab Filtration (glass fiber filter)	SOPWC050	1							06/04/13 14:30	mss3
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/26/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	06/04/13 20:01	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/04/13 20:01	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/17/13 14:29	mpb
pH (lab)	SM4500H+ B									
pH		1	8.7	H	*	units	0.1	0.1	06/07/13 0:00	abm
pH measured at		1	19.0		*	C	0.1	0.1	06/07/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	570		*	mg/L	10	20	06/08/13 11:58	mss3
Sulfate	D516-02 - Turbidimetric	5	74		*	mg/L	5	30	06/18/13 14:15	jlf
TDS (calculated)	Calculation		578			mg/L	10	50	06/26/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.99						06/26/13 0:00	calc

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-3

ACZ Sample ID: ***L12455-02***
Date Sampled: *06/03/13 13:20*
Date Received: *06/04/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0083			mg/L	0.0002	0.001	06/12/13 1:46	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 1:46	msh
Calcium, dissolved	M200.7 ICP	1	50.3			mg/L	0.2	1	06/17/13 21:32	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/17/13 21:32	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 1:46	msh
Magnesium, dissolved	M200.7 ICP	1	14.6			mg/L	0.2	1	06/17/13 21:32	aeb
Manganese, dissolved	M200.7 ICP	1	0.009	B		mg/L	0.005	0.03	06/17/13 21:32	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/12/13 13:43	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/17/13 21:32	aeb
Potassium, dissolved	M200.7 ICP	1	4.9			mg/L	0.3	2	06/17/13 21:32	aeb
Selenium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0003	06/12/13 1:46	msh
Silica, dissolved	M200.7 ICP	1	24.0			mg/L	0.4	2	06/17/13 21:32	aeb
Sodium, dissolved	M200.7 ICP	1	194			mg/L	0.3	2	06/17/13 21:32	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0011			mg/L	0.0001	0.0005	06/12/13 1:46	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-3

ACZ Sample ID: ***L12455-02***
Date Sampled: *06/03/13 13:20*
Date Received: *06/04/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	264		*	mg/L	2	20	06/07/13 0:00	abm
Carbonate as CaCO3		1	9	B	*	mg/L	2	20	06/07/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/07/13 0:00	abm
Total Alkalinity		1	273		*	mg/L	2	20	06/07/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-0.4			%			06/26/13 0:00	calc
Sum of Anions			12.5			meq/L	0.1	0.5	06/26/13 0:00	calc
Sum of Cations			12.4			meq/L	0.1	0.5	06/26/13 0:00	calc
Chloride	SM4500Cl-E	10	180		*	mg/L	10	50	06/17/13 16:14	jlf
Conductivity @25C	SM2510B	1	1260		*	umhos/cm	1	10	06/07/13 6:29	abm
Fluoride	SM4500F-C	1	0.6		*	mg/L	0.1	0.5	06/18/13 13:38	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/05/13 15:50	las
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							06/07/13 8:30	jrd/mhm
Lab Filtration (glass fiber filter)	SOPWC050	1							06/04/13 14:32	mss3
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/26/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	06/04/13 20:02	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/04/13 20:02	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/17/13 14:30	mpb
pH (lab)	SM4500H+ B									
pH		1	8.3	H	*	units	0.1	0.1	06/07/13 0:00	abm
pH measured at		1	19.0		*	C	0.1	0.1	06/07/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	710		*	mg/L	10	20	06/08/13 11:59	mss3
Sulfate	D516-02 - Turbidimetric	5	96		*	mg/L	5	30	06/18/13 14:15	jlf
TDS (calculated)	Calculation		728			mg/L	10	50	06/26/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.98						06/26/13 0:00	calc

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-4

ACZ Sample ID: ***L12455-03***
Date Sampled: *06/03/13 14:35*
Date Received: *06/04/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0092			mg/L	0.0002	0.001	06/12/13 1:56	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 1:56	msh
Calcium, dissolved	M200.7 ICP	1	48.9			mg/L	0.2	1	06/17/13 21:35	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/17/13 21:35	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 1:56	msh
Magnesium, dissolved	M200.7 ICP	1	17.5			mg/L	0.2	1	06/17/13 21:35	aeb
Manganese, dissolved	M200.7 ICP	1	0.038			mg/L	0.005	0.03	06/17/13 21:35	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/12/13 13:50	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/17/13 21:35	aeb
Potassium, dissolved	M200.7 ICP	1	5.1			mg/L	0.3	2	06/17/13 21:35	aeb
Selenium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0003	06/12/13 1:56	msh
Silica, dissolved	M200.7 ICP	1	24.1			mg/L	0.4	2	06/17/13 21:35	aeb
Sodium, dissolved	M200.7 ICP	1	199			mg/L	0.3	2	06/17/13 21:35	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0056			mg/L	0.0001	0.0005	06/12/13 1:56	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-4

ACZ Sample ID: ***L12455-03***
Date Sampled: *06/03/13 14:35*
Date Received: *06/04/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	261		*	mg/L	2	20	06/07/13 0:00	abm
Carbonate as CaCO3		1	9	B	*	mg/L	2	20	06/07/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/07/13 0:00	abm
Total Alkalinity		1	271		*	mg/L	2	20	06/07/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-1.5			%			06/26/13 0:00	calc
Sum of Anions			13.2			meq/L	0.1	0.5	06/26/13 0:00	calc
Sum of Cations			12.8			meq/L	0.1	0.5	06/26/13 0:00	calc
Chloride	SM4500Cl-E	10	210		*	mg/L	10	50	06/17/13 16:14	jlf
Conductivity @25C	SM2510B	1	1320		*	umhos/cm	1	10	06/07/13 6:39	abm
Fluoride	SM4500F-C	1	0.6		*	mg/L	0.1	0.5	06/18/13 13:41	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							06/07/13 8:30	jrd/mhm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/05/13 15:55	las
Lab Filtration (glass fiber filter)	SOPWC050	1							06/04/13 14:34	mss3
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.04	B		mg/L	0.02	0.1	06/26/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.04	B	*	mg/L	0.02	0.1	06/04/13 20:03	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/04/13 20:03	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/17/13 14:33	mpb
pH (lab)	SM4500H+ B									
pH		1	8.3	H	*	units	0.1	0.1	06/07/13 0:00	abm
pH measured at		1	19.0		*	C	0.1	0.1	06/07/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	760		*	mg/L	10	20	06/08/13 12:18	mss3
Sulfate	D516-02 - Turbidimetric	5	90		*	mg/L	5	30	06/18/13 14:15	jlf
TDS (calculated)	Calculation		758			mg/L	10	50	06/26/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.00						06/26/13 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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12455***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345123													
WG345123PBW1	PBW	06/06/13 16:19				U	mg/L		-20	20			
WG345123LCSW2	LCSW	06/06/13 16:33	WC130601-	820.0001		754.1	mg/L	92	90	110			
WG345123LCSW5	LCSW	06/06/13 20:10	WC130601-	820.0001		784.5	mg/L	95.7	90	110			
WG345123PBW2	PBW	06/06/13 20:18				2.2	mg/L		-20	20			
WG345123LCSW8	LCSW	06/06/13 23:50	WC130601-	820.0001		767.9	mg/L	93.6	90	110			
WG345123PBW3	PBW	06/06/13 23:59				U	mg/L		-20	20			
WG345123LCSW11	LCSW	06/07/13 3:33	WC130601-	820.0001		789.3	mg/L	96.3	90	110			
WG345123PBW4	PBW	06/07/13 3:42				2.3	mg/L		-20	20			
L12455-03DUP	DUP	06/07/13 6:48			271	270.2	mg/L				0.3	20	
WG345123LCSW14	LCSW	06/07/13 7:01	WC130601-	820.0001		795.6	mg/L	97	90	110			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.0525	mg/L	105	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0006	0.0006			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.05005		.05045	mg/L	100.8	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.05005	.0083	.06125	mg/L	105.8	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.05005	.0083	.0603	mg/L	103.9	70	130	1.56	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.05097	mg/L	101.9	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0003	0.0003			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.0501		.04998	mg/L	99.8	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.0501	U	.04868	mg/L	97.2	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.0501	U	.04954	mg/L	98.9	70	130	1.75	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	100		99.21	mg/L	99.2	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.6	0.6			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	67.95918		69.94	mg/L	102.9	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	67.95918	48.9	116.1	mg/L	98.9	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	67.95918	48.9	116.1	mg/L	98.9	85	115	0	20	

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345781													
WG345781ICB	ICB	06/17/13 14:51				U	mg/L		-3	3			
WG345781ICV	ICV	06/17/13 14:51	WI130131-1	54.945		58.2	mg/L	105.9	90	110			
WG345781LFB1	LFB	06/17/13 16:01	WI130201-8	30		31.3	mg/L	104.3	90	110			
WG345781LFB2	LFB	06/17/13 16:05	WI130201-8	30		32	mg/L	106.7	90	110			
L12455-01AS	AS	06/17/13 16:12	10XCL	30	150	180	mg/L	100	90	110			
L12455-02DUP	DUP	06/17/13 16:14			180	181	mg/L				0.6	20	

Uranium Energy Corp

ACZ Project ID: ***L12455***

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345123													
WG345123LCSW1	LCSW	06/06/13 16:21	PCN41764	1408.8		1441.5	umhos/cm	102.3	90	110			
WG345123LCSW4	LCSW	06/06/13 19:58	PCN41764	1408.8		1407.9	umhos/cm	99.9	90	110			
WG345123LCSW7	LCSW	06/06/13 23:39	PCN41764	1408.8		1393.7	umhos/cm	98.9	90	110			
WG345123LCSW10	LCSW	06/07/13 3:21	PCN41764	1408.8		1383.5	umhos/cm	98.2	90	110			
L12455-03DUP	DUP	06/07/13 6:48			1320	1323	umhos/cm				0.2	20	
WG345123LCSW13	LCSW	06/07/13 6:49	PCN41764	1408.8		1363.2	umhos/cm	96.8	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345852													
WG345852ICV	ICV	06/18/13 13:05	WC130618-	2.002		1.96	mg/L	97.9	95	105			
WG345852ICB	ICB	06/18/13 13:11				U	mg/L		-0.3	0.3			
WG345852LFB1	LFB	06/18/13 13:17	WC130313-	5.005		4.77	mg/L	95.3	90	110			
L12455-01AS	AS	06/18/13 13:27	WC130313-	5.005	.7	5.44	mg/L	94.7	90	110			
L12455-01DUP	DUP	06/18/13 13:35			.7	.64	mg/L				9	20	RA
WG345852LFB2	LFB	06/18/13 15:48	WC130313-	5.005		4.62	mg/L	92.3	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	2		2.022	mg/L	101.1	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.06	0.06			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	1		1.07	mg/L	107	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	1	U	1.023	mg/L	102.3	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	1	U	1.018	mg/L	101.8	85	115	0.49	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.05212	mg/L	104.2	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0003	0.0003			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.05005		.04986	mg/L	99.6	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.05005	U	.05156	mg/L	103	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.05005	U	.05227	mg/L	104.4	70	130	1.37	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	100		98.84	mg/L	98.8	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.6	0.6			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	49.99941		49.6	mg/L	99.2	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	49.99941	17.5	66.25	mg/L	97.5	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	49.99941	17.5	66.18	mg/L	97.4	85	115	0.11	20	

Uranium Energy Corp

ACZ Project ID: ***L12455***

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	2		1.9942	mg/L	99.7	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.015	0.015			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	.5		.5268	mg/L	105.4	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	.5	.038	.5499	mg/L	102.4	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	.5	.038	.5522	mg/L	102.8	85	115	0.42	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345365													
WG345365ICV	ICV	06/12/13 9:31	II130610-1	.005025		.00504	mg/L	100.3	95	105			
WG345365ICB	ICB	06/12/13 9:33				U	mg/L		-0.0002	0.0002			
WG345440													
WG345440LRB	LRB	06/12/13 13:31				U	mg/L		-0.00044	0.00044			
WG345440LFB	LFB	06/12/13 13:34	II130611-2	.002002		.00184	mg/L	91.9	85	115			
L12455-02LFM	LFM	06/12/13 13:46	II130611-2	.002002	U	.00174	mg/L	86.9	85	115			
L12455-02LFMD	LFMD	06/12/13 13:48	II130611-2	.002002	U	.00177	mg/L	88.4	85	115	1.71	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	2		2.011	mg/L	100.6	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.06	0.06			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	.5		.505	mg/L	101	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	.5	U	.503	mg/L	100.6	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	.5	U	.508	mg/L	101.6	85	115	0.99	20	

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344936													
WG344936ICV	ICV	06/04/13 19:44	WI130411-3	2.416		2.356	mg/L	97.5	90	110			
WG344936ICB	ICB	06/04/13 19:45				U	mg/L		-0.06	0.06			
WG344936LFB	LFB	06/04/13 19:49	WI130215-3	2		1.957	mg/L	97.9	90	110			
L12439-01AS	AS	06/04/13 21:23	WI130215-3	60	48.1	106.18	mg/L	96.8	90	110			
L12446-02DUP	DUP	06/04/13 22:13			.03	.027	mg/L				10.5	20	RA

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344936													
WG344936ICV	ICV	06/04/13 19:44	WI130411-3	.609		.574	mg/L	94.3	90	110			
WG344936ICB	ICB	06/04/13 19:45				U	mg/L		-0.03	0.03			
WG344936LFB	LFB	06/04/13 19:49	WI130215-3	1		.99	mg/L	99	90	110			
L12439-01AS	AS	06/04/13 19:51	WI130215-3	1	U	.997	mg/L	99.7	90	110			
L12446-02DUP	DUP	06/04/13 19:54			U	U	mg/L				0	20	RA

Uranium Energy Corp

ACZ Project ID: ***L12455***

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345741													
WG345741ICV	ICV	06/17/13 12:54	WI121105-5	1.003		1.1	mg/L	109.7	90	110			
WG345741ICB	ICB	06/17/13 12:55				U	mg/L		-0.15	0.15			
WG345743													
WG345743LFB1	LFB	06/17/13 14:20	WI121218-3	1		1.037	mg/L	103.7	90	110			
L12405-02AS	AS	06/17/13 14:22	WI121218-3	1	U	1.056	mg/L	105.6	90	110			
L12406-01DUP	DUP	06/17/13 14:24			.77	.776	mg/L				0.8	20	
WG345743LFB2	LFB	06/17/13 14:52	WI121218-3	1		.999	mg/L	99.9	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345123													
WG345123LCSW3	LCSW	06/06/13 16:37	PCN40853	6		6	units	100	98	102			
WG345123LCSW6	LCSW	06/06/13 20:13	PCN40853	6		6.03	units	100.5	98	102			
WG345123LCSW9	LCSW	06/06/13 23:54	PCN40853	6		6.03	units	100.5	98	102			
WG345123LCSW12	LCSW	06/07/13 3:37	PCN40853	6		6.03	units	100.5	98	102			
L12455-03DUP	DUP	06/07/13 6:48			8.3	8.33	units				0.4	20	
WG345123LCSW15	LCSW	06/07/13 7:05	PCN40853	6		6.03	units	100.5	98	102			

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	20		20.15	mg/L	100.8	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.9	0.9			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	99.97161		99.88	mg/L	99.9	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	99.97161	5.1	104.4	mg/L	99.3	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	99.97161	5.1	104.5	mg/L	99.4	85	115	0.1	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345234													
WG345234PBW	PBW	06/08/13 11:40				U	mg/L		-20	20			
WG345234LCSW	LCSW	06/08/13 11:40	PCN42167	260		260	mg/L	100	80	120			
L12455-02DUP	DUP	06/08/13 11:59			710	712	mg/L				0.3	10	
WG345235													
WG345235PBW	PBW	06/08/13 12:15				U	mg/L		-20	20			
WG345235LCSW	LCSW	06/08/13 12:16	PCN42167	260		254	mg/L	97.7	80	120			
L12501-03DUP	DUP	06/08/13 12:40			130	128	mg/L				1.6	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.05196	mg/L	103.9	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0003	0.0003			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.05005		.0509	mg/L	101.7	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.05005	U	.05057	mg/L	101	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.05005	U	.05247	mg/L	104.8	70	130	3.69	20	

Uranium Energy Corp

ACZ Project ID: ***L12455***

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	42.8		43.25	mg/L	101.1	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-1.2	1.2			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	21.428		22.86	mg/L	106.7	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	21.428	24.1	45.6	mg/L	100.3	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	21.428	24.1	45.58	mg/L	100.2	85	115	0.04	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	100		100.1	mg/L	100.1	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.9	0.9			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	100.0416		99.32	mg/L	99.3	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	100.0416	199	290.3	mg/L	91.3	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	100.0416	199	291	mg/L	92	85	115	0.24	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345872													
WG345872ICB	ICB	06/18/13 12:54				U	mg/L		-3	3			
WG345872ICV	ICV	06/18/13 12:54	WI130605-1	20		19.8	mg/L	99	90	110			
WG345872LFB	LFB	06/18/13 14:08	WI130416-3	9.99		9	mg/L	90.1	90	110			
L12455-01DUP	DUP	06/18/13 14:15			74	74.2	mg/L				0.3	20	
L12455-02AS	AS	06/18/13 14:15	SO4TURB5	10	96	103.2	mg/L	72	90	110			M3

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.05255	mg/L	105.1	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0003	0.0003			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.05		.0506	mg/L	101.2	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.05	.0011	.05518	mg/L	108.2	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.05	.0011	.05602	mg/L	109.8	70	130	1.51	20	
WG345523													
WG345523ICV	ICV	06/12/13 20:04	MS130416-2	.05		.0523	mg/L	104.6	90	110			
WG345523ICB	ICB	06/12/13 20:08				U	mg/L		-0.0003	0.0003			
WG345523LFB	LFB	06/12/13 20:11	MS130508-1	.05		.05083	mg/L	101.7	85	115			
L12520-01AS	AS	06/12/13 20:38	MS130508-1	.25	U	.2447	mg/L	97.9	70	130			
L12520-01ASD	ASD	06/12/13 20:48	MS130508-1	.25	U	.2447	mg/L	97.9	70	130	0	20	

Uranium Energy Corp ACZ Project ID: ***L12455***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12455-01	WG345123	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345781	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG345123	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345852	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345123	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344936	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345743	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
	WG345123	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG345234	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345872	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG345123	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.
L12455-02	WG345123	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345781	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG345123	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345852	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345123	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344936	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345743	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
	WG345123	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG345234	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345872	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG345123	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

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ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12455-03	WG345123	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345781	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG345123	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345852	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345123	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344936	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345743	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
	WG345123	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG345235	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345872	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG345123	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 3-2
Locator:

ACZ Sample ID: ***L12455-01***
Date Sampled: *06/03/13 11:20*
Date Received: *06/04/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/25/13 0:02		3.9	0.26	0.32	pCi/L		nco

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-3
Locator:

ACZ Sample ID: ***L12455-02***
Date Sampled: *06/03/13 13:20*
Date Received: *06/04/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/25/13 0:04		0.38	0.19	0.46	pCi/L		nco

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-4
Locator:

ACZ Sample ID: ***L12455-03***
Date Sampled: *06/03/13 14:35*
Date Received: *06/04/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/25/13 0:05		0.31	0.16	0.18	pCi/L		nco

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12455***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG346444																
WG345938PBW	PBW	06/25/13						-.11	0.09	0.23			0.46			
WG345938LCSW	LCSW	06/25/13	RC130227-2	23.92				17	0.54	0.21	71.1	43	148			
L12473-01DUP	DUP-RER	06/25/13			0.29	0.15	0.22	.31	0.11	0.13				0.11	2	
L12528-06DUP	DUP-RER	06/25/13			-0.16	0.11	0.21	-.3	0.11	0.25				0.9	2	
L12473-03MS	MS	06/25/13	RC130227-2	23.92	0.55	0.18	0.16	16	0.52	0.17	64.6	43	148			

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RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L12455***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L12455***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12455
Date Received: 06/04/2013 10:05
Received By: ksj
Date Printed: 6/4/2013

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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	

L12455-01 Container B1341456: A label was not present on the sample containers, but was present on the sample bag.

L12455-01 Container B1341457: A label was not present on the sample containers, but was present on the sample bag.

L12455-01 Container B1341478: A label was not present on the sample containers, but was present on the sample bag.

L12455-02 Container B1341480: A label was not present on the sample containers, but was present on the sample bag.

L12455-02 Container B1341482: A label was not present on the sample containers, but was present on the sample bag.

L12455-02 Container B1341483: A label was not present on the sample containers, but was present on the sample bag.

L12455-03 Container B1341485: A label was not present on the sample containers, but was present on the sample bag.

L12455-03 Container B1341487: A label was not present on the sample containers, but was present on the sample bag.

L12455-03 Container B1341488: A label was not present on the sample containers, but was present on the sample bag.

10) Do the sample labels and Chain of Custody match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

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Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12455
Date Received: 06/04/2013 10:05
Received By: ksj
Date Printed: 6/4/2013

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		

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
3565	15.5	15	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

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. L12455

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

CHAIN of CUSTODY

Report to:

Name: CRAIG WALL
Company: UEC
E-mail: CWall@uraniumenergy.com
Address: 500 N. Shoreline Blvd Ste 800N
Corpus Christi, TX 78401
Telephone: 361 888 8235

Copy of Report to:

Name: AJ HECKER
Company: UEC
E-mail: ahecker@uraniumenergy.com
Telephone: 361 888 8235

Invoice to:

Name: KATIE PARSONS
Company: UEC
E-mail: KParsons@uraniumenergy.com
Address: 500 N. Shoreline Blvd. Ste 800N
Corpus Christi, TX 78401
Telephone: 361 888 8235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: AJ Hecker **Sampler's site information** **State:** TX **Zip code** 78401 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:
PO#:
Reporting state for compliance testing: TX
Check box if samples include NRC licensed material? [ ]

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TDS EPA 2540C
RBW 3-2	6/3/13 11:30 AM	GW	4	X
RBW 4-3	6/3/13 1:20 PM	GW	4	X
RBW-4-4	6/3/13 2:35 PM	GW	4	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
AJ Hecker	6/3/13 5:00 PM		6-4-13 10:05

L12455 Chain of Custody

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

June 26, 2013

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L12473

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 05, 2013. This project has been assigned to ACZ's project number, L12473. 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 L12473. 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 July 26, 2013. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-5

ACZ Sample ID: ***L12473-01***
Date Sampled: *06/04/13 09:55*
Date Received: *06/05/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0055			mg/L	0.0002	0.001	06/12/13 1:59	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 1:59	msh
Calcium, dissolved	M200.7 ICP	1	58.2			mg/L	0.2	1	06/17/13 21:45	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/17/13 21:45	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 1:59	msh
Magnesium, dissolved	M200.7 ICP	1	16.1			mg/L	0.2	1	06/17/13 21:45	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/17/13 21:45	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/12/13 13:52	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/17/13 21:45	aeb
Potassium, dissolved	M200.7 ICP	1	7.4			mg/L	0.3	2	06/17/13 21:45	aeb
Selenium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0003	06/12/13 1:59	msh
Silica, dissolved	M200.7 ICP	1	25.2			mg/L	0.4	2	06/17/13 21:45	aeb
Sodium, dissolved	M200.7 ICP	1	175			mg/L	0.3	2	06/17/13 21:45	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0021			mg/L	0.0001	0.0005	06/12/13 1:59	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-5

ACZ Sample ID: ***L12473-01***
Date Sampled: *06/04/13 09:55*
Date Received: *06/05/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	253		*	mg/L	2	20	06/11/13 0:00	abm
Carbonate as CaCO3		1		U	*	mg/L	2	20	06/11/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/11/13 0:00	abm
Total Alkalinity		1	253		*	mg/L	2	20	06/11/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-2.8			%			06/26/13 0:00	calc
Sum of Anions			12.8			meq/L	0.1	0.5	06/26/13 0:00	calc
Sum of Cations			12.1			meq/L	0.1	0.5	06/26/13 0:00	calc
Chloride	SM4500Cl-E	10	230		*	mg/L	10	50	06/17/13 16:14	jlf
Conductivity @25C	SM2510B	1	1260		*	umhos/cm	1	10	06/11/13 19:36	abm
Fluoride	SM4500F-C	1	0.7		*	mg/L	0.1	0.5	06/18/13 13:44	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							06/07/13 8:30	jrd/mhm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/10/13 16:00	las
Lab Filtration (glass fiber filter)	SOPWC050	1							06/06/13 10:39	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/26/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	06/05/13 20:31	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/05/13 20:31	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/17/13 14:35	mpb
pH (lab)	SM4500H+ B									
pH		1	8.2	H	*	units	0.1	0.1	06/11/13 0:00	abm
pH measured at		1	18.0		*	C	0.1	0.1	06/11/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	690		*	mg/L	10	20	06/10/13 13:33	abm
Sulfate	D516-02 - Turbidimetric	5	61		*	mg/L	5	30	06/21/13 17:24	bsu
TDS (calculated)	Calculation		725			mg/L	10	50	06/26/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						06/26/13 0:00	calc

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-2

ACZ Sample ID: ***L12473-02***
Date Sampled: *06/04/13 11:55*
Date Received: *06/05/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0033			mg/L	0.0002	0.001	06/12/13 2:02	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 2:02	msh
Calcium, dissolved	M200.7 ICP	1	36.4			mg/L	0.2	1	06/17/13 21:48	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/17/13 21:48	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 2:02	msh
Magnesium, dissolved	M200.7 ICP	1	10.4			mg/L	0.2	1	06/17/13 21:48	aeb
Manganese, dissolved	M200.7 ICP	1	0.009	B		mg/L	0.005	0.03	06/17/13 21:48	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/12/13 13:58	mfm
Molybdenum, dissolved	M200.7 ICP	1	0.06	B		mg/L	0.02	0.1	06/17/13 21:48	aeb
Potassium, dissolved	M200.7 ICP	1	8.1			mg/L	0.3	2	06/17/13 21:48	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0001	B		mg/L	0.0001	0.0003	06/12/13 2:02	msh
Silica, dissolved	M200.7 ICP	1	32.8			mg/L	0.4	2	06/17/13 21:48	aeb
Sodium, dissolved	M200.7 ICP	1	181			mg/L	0.3	2	06/17/13 21:48	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.1734			mg/L	0.0001	0.0005	06/12/13 2:02	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-2

ACZ Sample ID: ***L12473-02***
Date Sampled: *06/04/13 11:55*
Date Received: *06/05/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	255		*	mg/L	2	20	06/11/13 0:00	abm
Carbonate as CaCO3		1		U	*	mg/L	2	20	06/11/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/11/13 0:00	abm
Total Alkalinity		1	255		*	mg/L	2	20	06/11/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			06/26/13 0:00	calc
Sum of Anions			10.8			meq/L	0.1	0.5	06/26/13 0:00	calc
Sum of Cations			10.8			meq/L	0.1	0.5	06/26/13 0:00	calc
Chloride	SM4500Cl-E	10	130		*	mg/L	10	50	06/17/13 16:19	jlf
Conductivity @25C	SM2510B	1	1080		*	umhos/cm	1	10	06/11/13 19:45	abm
Fluoride	SM4500F-C	1	0.8		*	mg/L	0.1	0.5	06/18/13 13:48	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/10/13 16:06	las
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							06/07/13 8:30	jrd/mhm
Lab Filtration (glass fiber filter)	SOPWC050	1							06/06/13 10:42	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/26/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	06/05/13 20:35	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.01	B	*	mg/L	0.01	0.05	06/05/13 20:35	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/17/13 14:36	mpb
pH (lab)	SM4500H+ B									
pH		1	8.3	H	*	units	0.1	0.1	06/11/13 0:00	abm
pH measured at		1	18.0		*	C	0.1	0.1	06/11/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	710		*	mg/L	10	20	06/10/13 13:34	abm
Sulfate	D516-02 - Turbidimetric	5	94		*	mg/L	5	30	06/21/13 17:24	bsu
TDS (calculated)	Calculation		647			mg/L	10	50	06/26/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.10						06/26/13 0:00	calc

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-4

ACZ Sample ID: ***L12473-03***
Date Sampled: *06/04/13 14:35*
Date Received: *06/05/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.1901			mg/L	0.0002	0.001	06/12/13 2:06	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 2:06	msh
Calcium, dissolved	M200.7 ICP	1	34.7			mg/L	0.2	1	06/17/13 21:51	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/17/13 21:51	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/12/13 2:06	msh
Magnesium, dissolved	M200.7 ICP	1	1.9			mg/L	0.2	1	06/17/13 21:51	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/17/13 21:51	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	06/12/13 14:00	mfm
Molybdenum, dissolved	M200.7 ICP	1	0.03	B		mg/L	0.02	0.1	06/17/13 21:51	aeb
Potassium, dissolved	M200.7 ICP	1	21.5			mg/L	0.3	2	06/17/13 21:51	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0004			mg/L	0.0001	0.0003	06/12/13 2:06	msh
Silica, dissolved	M200.7 ICP	1	29.7			mg/L	0.4	2	06/17/13 21:51	aeb
Sodium, dissolved	M200.7 ICP	1	238			mg/L	0.3	2	06/17/13 21:51	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0082			mg/L	0.0001	0.0005	06/12/13 2:06	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-4

ACZ Sample ID: ***L12473-03***
Date Sampled: *06/04/13 14:35*
Date Received: *06/05/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1		U	*	mg/L	2	20	06/11/13 0:00	abm
Carbonate as CaCO3		1	81		*	mg/L	2	20	06/11/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/11/13 0:00	abm
Total Alkalinity		1	82		*	mg/L	2	20	06/11/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			4.0			%			06/26/13 0:00	calc
Sum of Anions			11.9			meq/L	0.1	0.5	06/26/13 0:00	calc
Sum of Cations			12.9			meq/L	0.1	0.5	06/26/13 0:00	calc
Chloride	SM4500Cl-E	10	280		*	mg/L	10	50	06/17/13 16:19	jlf
Conductivity @25C	SM2510B	1	1310		*	umhos/cm	1	10	06/11/13 19:55	abm
Fluoride	SM4500F-C	1	1.3		*	mg/L	0.1	0.5	06/18/13 13:52	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/10/13 16:12	las
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							06/07/13 8:30	jrd/mhm
Lab Filtration (glass fiber filter)	SOPWC050	1							06/06/13 10:44	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/26/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	06/05/13 20:36	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/05/13 20:36	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1	0.11	B	*	mg/L	0.05	0.5	06/17/13 14:39	mpb
pH (lab)	SM4500H+ B									
pH		1	10.2	H	*	units	0.1	0.1	06/11/13 0:00	abm
pH measured at		1	18.0		*	C	0.1	0.1	06/11/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	700		*	mg/L	10	20	06/11/13 15:03	dcw
Sulfate	D516-02 - Turbidimetric	5	111		*	mg/L	5	30	06/21/13 17:24	bsu
TDS (calculated)	Calculation		767			mg/L	10	50	06/26/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.91						06/26/13 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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12473***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345391													
WG345391PBW1	PBW	06/11/13 15:33				U	mg/L		-20	20			
WG345391LCSW2	LCSW	06/11/13 15:47	WC130601-	820.0001		768.6	mg/L	93.7	90	110			
WG345391LCSW5	LCSW	06/11/13 18:36	WC130601-	820.0001		786.2	mg/L	95.9	90	110			
WG345391PBW2	PBW	06/11/13 18:44				2.2	mg/L		-20	20			
L12474-03DUP	DUP	06/11/13 20:47			1050	1045.7	mg/L				0.4	20	
WG345391LCSW8	LCSW	06/11/13 23:29	WC130601-	820.0001		793.2	mg/L	96.7	90	110			
WG345391PBW3	PBW	06/11/13 23:37				U	mg/L		-20	20			
WG345391LCSW11	LCSW	06/12/13 5:26	WC130601-	820.0001		788.2	mg/L	96.1	90	110			
WG345391PBW4	PBW	06/12/13 5:35				U	mg/L		-20	20			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.0525	mg/L	105	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0006	0.0006			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.05005		.05045	mg/L	100.8	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.05005	.0083	.06125	mg/L	105.8	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.05005	.0083	.0603	mg/L	103.9	70	130	1.56	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.05097	mg/L	101.9	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0003	0.0003			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.0501		.04998	mg/L	99.8	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.0501	U	.04868	mg/L	97.2	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.0501	U	.04954	mg/L	98.9	70	130	1.75	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	100		99.21	mg/L	99.2	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.6	0.6			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	67.95918		69.94	mg/L	102.9	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	67.95918	48.9	116.1	mg/L	98.9	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	67.95918	48.9	116.1	mg/L	98.9	85	115	0	20	

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345781													
WG345781ICB	ICB	06/17/13 14:51				U	mg/L		-3	3			
WG345781ICV	ICV	06/17/13 14:51	WI130131-1	54.945		58.2	mg/L	105.9	90	110			
WG345781LFB1	LFB	06/17/13 16:01	WI130201-8	30		31.3	mg/L	104.3	90	110			
WG345781LFB2	LFB	06/17/13 16:05	WI130201-8	30		32	mg/L	106.7	90	110			
L12455-01AS	AS	06/17/13 16:12	10XCL	30	150	180	mg/L	100	90	110			
L12455-02DUP	DUP	06/17/13 16:14			180	181	mg/L				0.6	20	

Uranium Energy Corp

ACZ Project ID: ***L12473***

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345391													
WG345391LCSW1	LCSW	06/11/13 15:35	PCN41764	1408.8		1440.2	umhos/cm	102.2	90	110			
WG345391LCSW4	LCSW	06/11/13 18:24	PCN41764	1408.8		1402.9	umhos/cm	99.6	90	110			
L12474-03DUP	DUP	06/11/13 20:47			22600	22700	umhos/cm				0.4	20	
WG345391LCSW7	LCSW	06/11/13 23:17	PCN41764	1408.8		1380.7	umhos/cm	98	90	110			
WG345391LCSW10	LCSW	06/12/13 5:14	PCN41764	1408.8		1371.6	umhos/cm	97.4	90	110			
WG345391LCSW13	LCSW	06/12/13 9:38	PCN41764	1408.8		1351.5	umhos/cm	95.9	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345852													
WG345852ICV	ICV	06/18/13 13:05	WC130618-	2.002		1.96	mg/L	97.9	95	105			
WG345852ICB	ICB	06/18/13 13:11				U	mg/L		-0.3	0.3			
WG345852LFB1	LFB	06/18/13 13:17	WC130313-	5.005		4.77	mg/L	95.3	90	110			
L12455-01AS	AS	06/18/13 13:27	WC130313-	5.005	.7	5.44	mg/L	94.7	90	110			
L12455-01DUP	DUP	06/18/13 13:35			.7	.64	mg/L				9	20	RA
WG345852LFB2	LFB	06/18/13 15:48	WC130313-	5.005		4.62	mg/L	92.3	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	2		2.022	mg/L	101.1	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.06	0.06			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	1		1.07	mg/L	107	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	1	U	1.023	mg/L	102.3	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	1	U	1.018	mg/L	101.8	85	115	0.49	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.05212	mg/L	104.2	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0003	0.0003			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.05005		.04986	mg/L	99.6	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.05005	U	.05156	mg/L	103	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.05005	U	.05227	mg/L	104.4	70	130	1.37	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	100		98.84	mg/L	98.8	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.6	0.6			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	49.99941		49.6	mg/L	99.2	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	49.99941	17.5	66.25	mg/L	97.5	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	49.99941	17.5	66.18	mg/L	97.4	85	115	0.11	20	

Uranium Energy Corp

ACZ Project ID: ***L12473***

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	2		1.9942	mg/L	99.7	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.015	0.015			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	.5		.5268	mg/L	105.4	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	.5	.038	.5499	mg/L	102.4	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	.5	.038	.5522	mg/L	102.8	85	115	0.42	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345365													
WG345365ICV	ICV	06/12/13 9:31	II130610-1	.005025		.00504	mg/L	100.3	95	105			
WG345365ICB	ICB	06/12/13 9:33				U	mg/L		-0.0002	0.0002			
WG345440													
WG345440LRB	LRB	06/12/13 13:31				U	mg/L		-0.00044	0.00044			
WG345440LFB	LFB	06/12/13 13:34	II130611-2	.002002		.00184	mg/L	91.9	85	115			
L12455-02LFM	LFM	06/12/13 13:46	II130611-2	.002002	U	.00174	mg/L	86.9	85	115			
L12455-02LFMD	LFMD	06/12/13 13:48	II130611-2	.002002	U	.00177	mg/L	88.4	85	115	1.71	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	2		2.011	mg/L	100.6	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.06	0.06			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	.5		.505	mg/L	101	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	.5	U	.503	mg/L	100.6	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	.5	U	.508	mg/L	101.6	85	115	0.99	20	

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345045													
WG345045ICV	ICV	06/05/13 20:18	WI130411-3	2.416		2.408	mg/L	99.7	90	110			
WG345045ICB	ICB	06/05/13 20:19				U	mg/L		-0.06	0.06			
WG345045LFB	LFB	06/05/13 20:23	WI130215-3	2		2.033	mg/L	101.7	90	110			
L12467-04AS	AS	06/05/13 20:25	WI130215-3	2	U	2.002	mg/L	100.1	90	110			
L12467-05DUP	DUP	06/05/13 20:28			.19	.188	mg/L				1.1	20	RA

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345045													
WG345045ICV	ICV	06/05/13 20:18	WI130411-3	.609		.58	mg/L	95.2	90	110			
WG345045ICB	ICB	06/05/13 20:19				U	mg/L		-0.03	0.03			
WG345045LFB	LFB	06/05/13 20:23	WI130215-3	1		1.021	mg/L	102.1	90	110			
L12467-04AS	AS	06/05/13 20:25	WI130215-3	1	U	1.01	mg/L	101	90	110			
L12467-05DUP	DUP	06/05/13 20:28			U	U	mg/L				0	20	RA

Uranium Energy Corp

ACZ Project ID: ***L12473***

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345741													
WG345741ICV	ICV	06/17/13 12:54	WI121105-5	1.003		1.1	mg/L	109.7	90	110			
WG345741ICB	ICB	06/17/13 12:55				U	mg/L		-0.15	0.15			
WG345743													
WG345743LFB1	LFB	06/17/13 14:20	WI121218-3	1		1.037	mg/L	103.7	90	110			
L12405-02AS	AS	06/17/13 14:22	WI121218-3	1	U	1.056	mg/L	105.6	90	110			
L12406-01DUP	DUP	06/17/13 14:24			.77	.776	mg/L				0.8	20	
L12473-02AS	AS	06/17/13 14:37	WI121218-3	1	U	1.025	mg/L	102.5	90	110			
L12473-03DUP	DUP	06/17/13 14:40			.11	.113	mg/L				2.7	20	RA
WG345743LFB2	LFB	06/17/13 14:52	WI121218-3	1		.999	mg/L	99.9	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345391													
WG345391LCSW3	LCSW	06/11/13 15:51	PCN40853	6		5.99	units	99.8	98	102			
WG345391LCSW6	LCSW	06/11/13 18:39	PCN40853	6		6	units	100	98	102			
L12474-03DUP	DUP	06/11/13 20:47			7.9	7.89	units				0.1	20	
WG345391LCSW9	LCSW	06/11/13 23:32	PCN40853	6		5.98	units	99.7	98	102			
WG345391LCSW12	LCSW	06/12/13 5:29	PCN40853	6		5.98	units	99.7	98	102			
WG345391LCSW15	LCSW	06/12/13 10:06	PCN40853	6		5.98	units	99.7	98	102			

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	20		20.15	mg/L	100.8	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.9	0.9			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	99.97161		99.88	mg/L	99.9	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	99.97161	5.1	104.4	mg/L	99.3	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	99.97161	5.1	104.5	mg/L	99.4	85	115	0.1	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345290													
WG345290PBW	PBW	06/10/13 13:20				U	mg/L		-20	20			
WG345290LCSW	LCSW	06/10/13 13:20	PCN42167	260		250	mg/L	96.2	80	120			
L12503-02DUP	DUP	06/10/13 13:39			1220	1222	mg/L				0.2	10	
WG345400													
WG345400PBW	PBW	06/11/13 15:01				U	mg/L		-20	20			
WG345400LCSW	LCSW	06/11/13 15:02	PCN42168	260		254	mg/L	97.7	80	120			
L12522-01DUP	DUP	06/11/13 15:16			3360	3380	mg/L				0.6	10	

Uranium Energy Corp

ACZ Project ID: ***L12473***

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.05196	mg/L	103.9	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0003	0.0003			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.05005		.0509	mg/L	101.7	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.05005	U	.05057	mg/L	101	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.05005	U	.05247	mg/L	104.8	70	130	3.69	20	

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	42.8		43.25	mg/L	101.1	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-1.2	1.2			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	21.428		22.86	mg/L	106.7	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	21.428	24.1	45.6	mg/L	100.3	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	21.428	24.1	45.58	mg/L	100.2	85	115	0.04	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345770													
WG345770ICV	ICV	06/17/13 21:07	II130510-1	100		100.1	mg/L	100.1	95	105			
WG345770ICB	ICB	06/17/13 21:13				U	mg/L		-0.9	0.9			
WG345770LFB	LFB	06/17/13 21:26	II130617-2	100.0416		99.32	mg/L	99.3	85	115			
L12455-03AS	AS	06/17/13 21:38	II130617-2	100.0416	199	290.3	mg/L	91.3	85	115			
L12455-03ASD	ASD	06/17/13 21:42	II130617-2	100.0416	199	291	mg/L	92	85	115	0.24	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346187													
WG346187ICB	ICB	06/21/13 12:23				U	mg/L		-3	3			
WG346187ICV	ICV	06/21/13 12:23	WI130621-8	20		19.9	mg/L	99.5	90	110			
WG346187LFB	LFB	06/21/13 17:17	WI130416-3	9.99		10.3	mg/L	103.1	90	110			
L12473-01DUP	DUP	06/21/13 17:24			61	60.6	mg/L				0.7	20	
L12473-02AS	AS	06/21/13 17:24	SO4TURB5	10	94	105.8	mg/L	118	90	110			M3

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345416													
WG345416ICV	ICV	06/12/13 1:32	MS130416-2	.05		.05255	mg/L	105.1	90	110			
WG345416ICB	ICB	06/12/13 1:35				U	mg/L		-0.0003	0.0003			
WG345416LFB	LFB	06/12/13 1:39	MS130508-1	.05		.0506	mg/L	101.2	85	115			
L12455-02AS	AS	06/12/13 1:49	MS130508-1	.05	.0011	.05518	mg/L	108.2	70	130			
L12455-02ASD	ASD	06/12/13 1:52	MS130508-1	.05	.0011	.05602	mg/L	109.8	70	130	1.51	20	

Uranium Energy Corp ACZ Project ID: ***L12473***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12473-01	WG345391	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345781	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG345391	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345852	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345391	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345045	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345743	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
	WG345391	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG345290	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG346187	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG345391	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

Uranium Energy Corp ACZ Project ID: ***L12473***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12473-02	WG345391	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345781	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG345391	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345852	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345391	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345045	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345743	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345391	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG345290	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG346187	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG345391	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L12473***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12473-03	WG345391	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345781	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG345391	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345852	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345391	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345045	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345743	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345391	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG345400	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG346187	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG345391	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

ACZ Laboratories, Inc.
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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-5
Locator:

ACZ Sample ID: ***L12473-01***
Date Sampled: *06/04/13 9:55*
Date Received: *06/05/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/25/13 0:07		0.29	0.15	0.22	pCi/L		nco

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 4-2
Locator:

ACZ Sample ID: ***L12473-02***
Date Sampled: *06/04/13 11:55*
Date Received: *06/05/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/25/13 0:08		160	1.7	0.13	pCi/L		nco

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-4
Locator:

ACZ Sample ID: ***L12473-03***
Date Sampled: *06/04/13 14:35*
Date Received: *06/05/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/25/13 0:10		0.55	0.18	0.16	pCi/L		nco

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12473***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG346444																
WG345938PBW	PBW	06/25/13						-.11	0.09	0.23			0.46			
WG345938LCSW	LCSW	06/25/13	RC130227-2	23.92				17	0.54	0.21	71.1	43	148			
L12473-01DUP	DUP-RER	06/25/13			0.29	0.15	0.22	.31	0.11	0.13				0.11	2	
L12528-06DUP	DUP-RER	06/25/13			-0.16	0.11	0.21	-.3	0.11	0.25				0.9	2	
L12473-03MS	MS	06/25/13	RC130227-2	23.92	0.55	0.18	0.16	16	0.52	0.17	64.6	43	148			

ACZ Laboratories, Inc.
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RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L12473***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L12473***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12473
Date Received: 06/05/2013 10:10
Received By: ksj
Date Printed: 6/5/2013

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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	

L12473-01 Container B1341822: A label was not present on the sample containers, but was present on the sample bag.

L12473-01 Container B1341823: A label was not present on the sample containers, but was present on the sample bag.

L12473-01 Container B1341824: A label was not present on the sample containers, but was present on the sample bag.

L12473-02 Container B1341827: A label was not present on the sample containers, but was present on the sample bag.

L12473-02 Container B1341828: A label was not present on the sample containers, but was present on the sample bag.

L12473-02 Container B1341829: A label was not present on the sample containers, but was present on the sample bag.

L12473-03 Container B1341832: A label was not present on the sample containers, but was present on the sample bag.

L12473-03 Container B1341833: A label was not present on the sample containers, but was present on the sample bag.

L12473-03 Container B1341834: A label was not present on the sample containers, but was present on the sample bag.

10) Do the sample labels and Chain of Custody match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

ACZ Laboratories, Inc.
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Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12473
Date Received: 06/05/2013 10:10
Received By: ksj
Date Printed: 6/5/2013

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		

Chain of Custody Related Remarks

The 'Relinquished By' field on the COC was not completed. Left a message for AJ Hecker on 6/5/13.

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
3468	16.8	30	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

L12473

ACZ Laboratories, Inc.

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

CHAIN of CUSTODY

Report to:

Name: Craig Wall
Company: UEC
E-mail: CWall@uraniumenergy.com
Address: 500 N. Shoreline Blvd. Ste 800 N Corpus Christi, TX 78401
Telephone: 361 888 8235

Copy of Report to:

Name: AJ Hecker
Company: UEC
E-mail: ahecker@uraniumenergy.com
Telephone: 361 888 8235

Invoice to:

Name: Katie Parsons
Company: UEC
E-mail: kparsons@uraniumenergy.com
Address: 500 N. Shoreline Blvd Ste 800N Corpus Christi, TX 78401
Telephone: 361 888 8235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: AJ Hecker **Sampler's site Information** **State:** TX **Zip code** 78401 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:
PO#:
Reporting state for compliance testing: TX
Check box if samples include NRC licensed material? [ ]

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TCEQ 20978
RBW 4-5	6/4/13 9:55 Am	GW	4	X
RBW 4-2	6/4/13 11:55 Am	GW	4	X
RBW 5-4	6/4/13 2:35 pm	GW	4	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
			6/5/13 10:10

L12473 Chain of Custody

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

June 26, 2013

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L12512

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 06, 2013. This project has been assigned to ACZ's project number, L12512. 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 L12512. 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 July 26, 2013. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-5

ACZ Sample ID: ***L12512-01***
Date Sampled: *06/05/13 11:05*
Date Received: *06/06/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0137			mg/L	0.0002	0.001	06/20/13 22:15	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/20/13 22:15	msh
Calcium, dissolved	M200.7 ICP	1	126			mg/L	0.2	1	06/20/13 16:53	aeb
Iron, dissolved	M200.7 ICP	1	0.04	B		mg/L	0.02	0.05	06/20/13 16:53	aeb
Lead, dissolved	M200.8 ICP-MS	1	0.0028			mg/L	0.0001	0.0005	06/20/13 22:15	msh
Magnesium, dissolved	M200.7 ICP	1	40.2			mg/L	0.2	1	06/20/13 16:53	aeb
Manganese, dissolved	M200.7 ICP	1	0.022	B		mg/L	0.005	0.03	06/20/13 16:53	aeb
Mercury, dissolved	M245.1 CVAA	1		U	*	mg/L	0.0002	0.001	06/20/13 15:00	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/20/13 16:53	aeb
Potassium, dissolved	M200.7 ICP	1	6.2			mg/L	0.3	2	06/20/13 16:53	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0037			mg/L	0.0001	0.0003	06/21/13 18:49	msh
Silica, dissolved	M200.7 ICP	1	46.7			mg/L	0.4	2	06/20/13 16:53	aeb
Sodium, dissolved	M200.7 ICP	1	314			mg/L	0.3	2	06/20/13 16:53	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0054			mg/L	0.0001	0.0005	06/20/13 22:15	msh

** Please refer to Qualifier Reports for details.*

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-5

ACZ Sample ID: ***L12512-01***
Date Sampled: *06/05/13 11:05*
Date Received: *06/06/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	269		*	mg/L	2	20	06/13/13 0:00	abm
Carbonate as CaCO3		1		U	*	mg/L	2	20	06/13/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/13/13 0:00	abm
Total Alkalinity		1	269		*	mg/L	2	20	06/13/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-2.3			%			06/26/13 0:00	calc
Sum of Anions			24.7			meq/L	0.1	0.5	06/26/13 0:00	calc
Sum of Cations			23.6			meq/L	0.1	0.5	06/26/13 0:00	calc
Chloride	SM4500Cl-E	10	600		*	mg/L	10	50	06/24/13 11:05	bsu
Conductivity @25C	SM2510B	1	2530		*	umhos/cm	1	10	06/13/13 0:29	abm
Fluoride	SM4500F-C	1	0.3	B	*	mg/L	0.1	0.5	06/20/13 13:46	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							06/07/13 8:30	jrd/mhm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/18/13 18:30	scp
Lab Filtration (glass fiber filter)	SOPWC050	1							06/14/13 10:46	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.46			mg/L	0.02	0.1	06/26/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.46		*	mg/L	0.02	0.1	06/06/13 18:52	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/06/13 18:52	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/21/13 14:38	mpb
pH (lab)	SM4500H+ B									
pH		1	8.0	H	*	units	0.1	0.1	06/13/13 0:00	abm
pH measured at		1	19.0		*	C	0.1	0.1	06/13/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	1410		*	mg/L	10	20	06/11/13 10:00	dcw
Sulfate	D516-02 - Turbidimetric	5	116		*	mg/L	5	30	06/22/13 11:37	bsu
TDS (calculated)	Calculation		1410			mg/L	10	50	06/26/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.00						06/26/13 0:00	calc

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-1

ACZ Sample ID: ***L12512-02***
Date Sampled: *06/05/13 12:45*
Date Received: *06/06/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0346			mg/L	0.0002	0.001	06/20/13 22:19	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/20/13 22:19	msh
Calcium, dissolved	M200.7 ICP	1	9.1			mg/L	0.2	1	06/20/13 17:02	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/20/13 17:02	aeb
Lead, dissolved	M200.8 ICP-MS	1	0.0004	B		mg/L	0.0001	0.0005	06/20/13 22:19	msh
Magnesium, dissolved	M200.7 ICP	1	2.7			mg/L	0.2	1	06/20/13 17:02	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/20/13 17:02	aeb
Mercury, dissolved	M245.1 CVAA	1		U	*	mg/L	0.0002	0.001	06/20/13 15:02	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/20/13 17:02	aeb
Potassium, dissolved	M200.7 ICP	1	4.6			mg/L	0.3	2	06/20/13 17:02	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0001	B		mg/L	0.0001	0.0003	06/21/13 18:51	msh
Silica, dissolved	M200.7 ICP	1	14.2			mg/L	0.4	2	06/20/13 17:02	aeb
Sodium, dissolved	M200.7 ICP	1	239			mg/L	0.3	2	06/20/13 17:02	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0007			mg/L	0.0001	0.0005	06/20/13 22:19	msh

** Please refer to Qualifier Reports for details.*

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-1

ACZ Sample ID: ***L12512-02***
Date Sampled: *06/05/13 12:45*
Date Received: *06/06/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	123		*	mg/L	2	20	06/13/13 0:00	abm
Carbonate as CaCO3		1	26		*	mg/L	2	20	06/13/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/13/13 0:00	abm
Total Alkalinity		1	149		*	mg/L	2	20	06/13/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-4.2			%			06/26/13 0:00	calc
Sum of Anions			12.3			meq/L	0.1	0.5	06/26/13 0:00	calc
Sum of Cations			11.3			meq/L	0.1	0.5	06/26/13 0:00	calc
Chloride	SM4500Cl-E	10	260		*	mg/L	10	50	06/24/13 11:05	bsu
Conductivity @25C	SM2510B	1	1270		*	umhos/cm	1	10	06/13/13 0:39	abm
Fluoride	SM4500F-C	1	0.8		*	mg/L	0.1	0.5	06/20/13 13:56	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							06/07/13 8:30	jrd/mhm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/18/13 18:30	scp
Lab Filtration (glass fiber filter)	SOPWC050	1							06/14/13 10:47	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/26/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	06/06/13 18:54	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/06/13 18:54	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/21/13 14:40	mpb
pH (lab)	SM4500H+ B									
pH		1	8.9	H	*	units	0.1	0.1	06/13/13 0:00	abm
pH measured at		1	19.0		*	C	0.1	0.1	06/13/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	690		*	mg/L	10	20	06/11/13 10:02	dcw
Sulfate	D516-02 - Turbidimetric	5	96		*	mg/L	5	30	06/22/13 11:37	bsu
TDS (calculated)	Calculation		716			mg/L	10	50	06/26/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						06/26/13 0:00	calc

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-3

ACZ Sample ID: ***L12512-03***
Date Sampled: *06/05/13 14:05*
Date Received: *06/06/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0250			mg/L	0.0002	0.001	06/20/13 22:29	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/20/13 22:29	msh
Calcium, dissolved	M200.7 ICP	1	70.2			mg/L	0.2	1	06/20/13 17:05	aeb
Iron, dissolved	M200.7 ICP	1	0.05			mg/L	0.02	0.05	06/20/13 17:05	aeb
Lead, dissolved	M200.8 ICP-MS	1	0.0005			mg/L	0.0001	0.0005	06/20/13 22:29	msh
Magnesium, dissolved	M200.7 ICP	1	21.3			mg/L	0.2	1	06/20/13 17:05	aeb
Manganese, dissolved	M200.7 ICP	1	0.021	B		mg/L	0.005	0.03	06/20/13 17:05	aeb
Mercury, dissolved	M245.1 CVAA	1		U	*	mg/L	0.0002	0.001	06/20/13 15:04	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/20/13 17:05	aeb
Potassium, dissolved	M200.7 ICP	1	5.2			mg/L	0.3	2	06/20/13 17:05	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0002	B		mg/L	0.0001	0.0003	06/21/13 18:55	msh
Silica, dissolved	M200.7 ICP	1	33.1			mg/L	0.4	2	06/20/13 17:05	aeb
Sodium, dissolved	M200.7 ICP	1	264			mg/L	0.3	2	06/20/13 17:05	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0318			mg/L	0.0001	0.0005	06/20/13 22:29	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-3

ACZ Sample ID: ***L12512-03***
Date Sampled: *06/05/13 14:05*
Date Received: *06/06/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	275		*	mg/L	2	20	06/13/13 0:00	abm
Carbonate as CaCO3		1		U	*	mg/L	2	20	06/13/13 0:00	abm
Hydroxide as CaCO3		1		U	*	mg/L	2	20	06/13/13 0:00	abm
Total Alkalinity		1	275		*	mg/L	2	20	06/13/13 0:00	abm
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-3.4			%			06/26/13 0:00	calc
Sum of Anions			18.2			meq/L	0.1	0.5	06/26/13 0:00	calc
Sum of Cations			17.0			meq/L	0.1	0.5	06/26/13 0:00	calc
Chloride	SM4500Cl-E	10	370		*	mg/L	10	50	06/24/13 11:05	bsu
Conductivity @25C	SM2510B	1	1790		*	umhos/cm	1	10	06/13/13 0:49	abm
Fluoride	SM4500F-C	1	0.7		*	mg/L	0.1	0.5	06/20/13 13:59	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/18/13 18:30	scp
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1							06/07/13 8:30	jrd/mhm
Lab Filtration (glass fiber filter)	SOPWC050	1							06/14/13 10:48	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2			U		mg/L	0.02	0.1	06/26/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.02	0.1	06/06/13 18:55	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	06/06/13 18:55	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/21/13 14:43	mpb
pH (lab)	SM4500H+ B									
pH		1	8.2	H	*	units	0.1	0.1	06/13/13 0:00	abm
pH measured at		1	19.0		*	C	0.1	0.1	06/13/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	1000		*	mg/L	10	20	06/11/13 10:03	dcw
Sulfate	D516-02 - Turbidimetric	5	110		*	mg/L	5	30	06/22/13 11:39	bsu
TDS (calculated)	Calculation		1040			mg/L	10	50	06/26/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.96						06/26/13 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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12512***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345494													
WG345494PBW1	PBW	06/12/13 15:41				U	mg/L		-20	20			
WG345494LCSW2	LCSW	06/12/13 15:54	WC130601-	820.0001		754.9	mg/L	92.1	90	110			
WG345494LCSW5	LCSW	06/12/13 18:56	WC130601-	820.0001		770.3	mg/L	93.9	90	110			
WG345494PBW2	PBW	06/12/13 19:04				U	mg/L		-20	20			
WG345494LCSW8	LCSW	06/12/13 23:11	WC130601-	820.0001		787.3	mg/L	96	90	110			
WG345494PBW3	PBW	06/12/13 23:20				3.3	mg/L		-20	20			
L12513-01DUP	DUP	06/13/13 1:06			159	146.1	mg/L				8.5	20	
WG345494LCSW11	LCSW	06/13/13 3:41	WC130601-	820.0001		788.1	mg/L	96.1	90	110			
WG345494PBW4	PBW	06/13/13 3:49				3.2	mg/L		-20	20			
WG345494LCSW14	LCSW	06/13/13 8:26	WC130601-	820.0001		794.7	mg/L	96.9	90	110			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346098													
WG346098ICV	ICV	06/20/13 22:05	MS130416-2	.05		.05029	mg/L	100.6	90	110			
WG346098ICB	ICB	06/20/13 22:08				U	mg/L		-0.0006	0.0006			
WG346098LFB	LFB	06/20/13 22:12	MS130614-1	.05005		.05214	mg/L	104.2	85	115			
L12512-02AS	AS	06/20/13 22:22	MS130614-1	.05005	.0346	.08746	mg/L	105.6	70	130			
L12512-02ASD	ASD	06/20/13 22:25	MS130614-1	.05005	.0346	.09591	mg/L	122.5	70	130	9.22	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346098													
WG346098ICV	ICV	06/20/13 22:05	MS130416-2	.05		.04995	mg/L	99.9	90	110			
WG346098ICB	ICB	06/20/13 22:08				U	mg/L		-0.0003	0.0003			
WG346098LFB	LFB	06/20/13 22:12	MS130614-1	.0501		.05052	mg/L	100.8	85	115			
L12512-02AS	AS	06/20/13 22:22	MS130614-1	.0501	U	.04756	mg/L	94.9	70	130			
L12512-02ASD	ASD	06/20/13 22:25	MS130614-1	.0501	U	.05153	mg/L	102.9	70	130	8.01	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346037													
WG346037ICV	ICV	06/20/13 16:31	II130510-1	100		98.35	mg/L	98.4	95	105			
WG346037ICB	ICB	06/20/13 16:37				U	mg/L		-0.6	0.6			
WG346037LFB	LFB	06/20/13 16:50	II130617-2	67.95918		68.43	mg/L	100.7	85	115			
L12512-01AS	AS	06/20/13 16:56	II130617-2	67.95918	126	192.2	mg/L	97.4	85	115			
L12512-01ASD	ASD	06/20/13 16:59	II130617-2	67.95918	126	192	mg/L	97.1	85	115	0.1	20	

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346247													
WG346247ICB	ICB	06/24/13 10:29				U	mg/L		-3	3			
WG346247ICV	ICV	06/24/13 10:29	WI130131-1	54.945		59.2	mg/L	107.7	90	110			
WG346247LFB1	LFB	06/24/13 10:56	WI130201-8	30		32.4	mg/L	108	90	110			
L12512-01AS	AS	06/24/13 11:05	10XCL	30	600	615	mg/L	50	90	110			M3
L12512-02DUP	DUP	06/24/13 11:05			260	257	mg/L				1.2	20	
WG346247LFB2	LFB	06/24/13 11:22	WI130201-8	30		32.8	mg/L	109.3	90	110			

Uranium Energy Corp

ACZ Project ID: ***L12512***

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345494													
WG345494LCSW1	LCSW	06/12/13 15:42	PCN41764	1408.8		1446.8	umhos/cm	102.7	90	110			
WG345494LCSW4	LCSW	06/12/13 18:45	PCN41764	1408.8		1420.2	umhos/cm	100.8	90	110			
WG345494LCSW7	LCSW	06/12/13 22:59	PCN41764	1408.8		1395.6	umhos/cm	99.1	90	110			
L12513-01DUP	DUP	06/13/13 1:06			871	869	umhos/cm				0.2	20	
WG345494LCSW10	LCSW	06/13/13 3:28	PCN41764	1408.8		1374.1	umhos/cm	97.5	90	110			
WG345494LCSW13	LCSW	06/13/13 8:14	PCN41764	1408.8		1355.7	umhos/cm	96.2	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346050													
WG346050ICV	ICV	06/20/13 11:36	WC130618-	2.002		1.91	mg/L	95.4	95	105			
WG346050ICB	ICB	06/20/13 11:41				U	mg/L		-0.3	0.3			
WG346052													
WG346052LFB1	LFB	06/20/13 13:42	WC130313-	5.005		4.65	mg/L	92.9	90	110			
L12512-01AS	AS	06/20/13 13:48	WC130313-	5.005	.3	5.02	mg/L	94.3	90	110			
L12512-01DUP	DUP	06/20/13 13:52			.3	.2	mg/L				40	20	RA
WG346052LFB2	LFB	06/20/13 16:01	WC130313-	5.005		4.65	mg/L	92.9	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346037													
WG346037ICV	ICV	06/20/13 16:31	II130510-1	2		2.007	mg/L	100.4	95	105			
WG346037ICB	ICB	06/20/13 16:37				U	mg/L		-0.06	0.06			
WG346037LFB	LFB	06/20/13 16:50	II130617-2	1		1.011	mg/L	101.1	85	115			
L12512-01AS	AS	06/20/13 16:56	II130617-2	1	.04	1.044	mg/L	100.4	85	115			
L12512-01ASD	ASD	06/20/13 16:59	II130617-2	1	.04	1.043	mg/L	100.3	85	115	0.1	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346098													
WG346098ICV	ICV	06/20/13 22:05	MS130416-2	.05		.05163	mg/L	103.3	90	110			
WG346098ICB	ICB	06/20/13 22:08				U	mg/L		-0.0003	0.0003			
WG346098LFB	LFB	06/20/13 22:12	MS130614-1	.05005		.05115	mg/L	102.2	85	115			
L12512-02AS	AS	06/20/13 22:22	MS130614-1	.05005	.0004	.05012	mg/L	99.3	70	130			
L12512-02ASD	ASD	06/20/13 22:25	MS130614-1	.05005	.0004	.05412	mg/L	107.3	70	130	7.67	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346037													
WG346037ICV	ICV	06/20/13 16:31	II130510-1	100		97.64	mg/L	97.6	95	105			
WG346037ICB	ICB	06/20/13 16:37				U	mg/L		-0.6	0.6			
WG346037LFB	LFB	06/20/13 16:50	II130617-2	49.99941		48.24	mg/L	96.5	85	115			
L12512-01AS	AS	06/20/13 16:56	II130617-2	49.99941	40.2	88.23	mg/L	96.1	85	115			
L12512-01ASD	ASD	06/20/13 16:59	II130617-2	49.99941	40.2	88.43	mg/L	96.5	85	115	0.23	20	

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ACZ Project ID: ***L12512***

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346037													
WG346037ICV	ICV	06/20/13 16:31	II130510-1	2		1.964	mg/L	98.2	95	105			
WG346037ICB	ICB	06/20/13 16:37				U	mg/L		-0.015	0.015			
WG346037LFB	LFB	06/20/13 16:50	II130617-2	.5		.5015	mg/L	100.3	85	115			
L12512-01AS	AS	06/20/13 16:56	II130617-2	.5	.022	.5228	mg/L	100.2	85	115			
L12512-01ASD	ASD	06/20/13 16:59	II130617-2	.5	.022	.5226	mg/L	100.1	85	115	0.04	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345953													
WG345953ICV	ICV	06/20/13 12:21	II130610-1	.005025		.00481	mg/L	95.7	95	105			
WG345953ICB	ICB	06/20/13 12:23				U	mg/L		-0.0002	0.0002			
WG346026													
WG346026LRB	LRB	06/20/13 14:55				U	mg/L		-0.00044	0.00044			
WG346026LFB	LFB	06/20/13 14:57	II130611-2	.002002		.00184	mg/L	91.9	85	115			
L12512-03LFM	LFM	06/20/13 15:06	II130611-2	.002002	U	.00163	mg/L	81.4	85	115			M2
L12512-03LFMD	LFMD	06/20/13 15:08	II130611-2	.002002	U	.00164	mg/L	81.9	85	115	0.61	20	M2

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346037													
WG346037ICV	ICV	06/20/13 16:31	II130510-1	2		1.985	mg/L	99.3	95	105			
WG346037ICB	ICB	06/20/13 16:37				U	mg/L		-0.06	0.06			
WG346037LFB	LFB	06/20/13 16:50	II130617-2	.5		.486	mg/L	97.2	85	115			
L12512-01AS	AS	06/20/13 16:56	II130617-2	.5	U	.481	mg/L	96.2	85	115			
L12512-01ASD	ASD	06/20/13 16:59	II130617-2	.5	U	.491	mg/L	98.2	85	115	2.06	20	

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345144													
WG345144ICV	ICV	06/06/13 18:34	WI130411-3	2.416		2.371	mg/L	98.1	90	110			
WG345144ICB	ICB	06/06/13 18:35				U	mg/L		-0.06	0.06			
WG345144LFB	LFB	06/06/13 18:38	WI130215-3	2		1.995	mg/L	99.8	90	110			
L12499-01AS	AS	06/06/13 18:42	WI130215-3	2	.06	1.93	mg/L	93.5	90	110			
L12499-02DUP	DUP	06/06/13 18:44			.02	.022	mg/L				9.5	20	RA

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345144													
WG345144ICV	ICV	06/06/13 18:34	WI130411-3	.609		.577	mg/L	94.7	90	110			
WG345144ICB	ICB	06/06/13 18:35				U	mg/L		-0.03	0.03			
WG345144LFB	LFB	06/06/13 18:38	WI130215-3	1		1.017	mg/L	101.7	90	110			
L12499-01AS	AS	06/06/13 18:42	WI130215-3	1	U	.943	mg/L	94.3	90	110			
L12499-02DUP	DUP	06/06/13 18:44			U	U	mg/L				0	20	RA

Uranium Energy Corp

ACZ Project ID: ***L12512***

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346156													
WG346156ICV	ICV	06/21/13 13:14	WI121105-5	1.003		1.01	mg/L	100.7	90	110			
WG346156ICB	ICB	06/21/13 13:17				U	mg/L		-0.15	0.15			
WG346161													
WG346161LFB1	LFB	06/21/13 14:37	WI121218-3	1		.943	mg/L	94.3	90	110			
L12512-01AS	AS	06/21/13 14:39	WI121218-3	1	U	.963	mg/L	96.3	90	110			
L12512-02DUP	DUP	06/21/13 14:41			U	U	mg/L				0	20	RA
WG346161LFB2	LFB	06/21/13 15:09	WI121218-3	1		1.001	mg/L	100.1	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345494													
WG345494LCSW3	LCSW	06/12/13 15:58	PCN40853	6		6	units	100	98	102			
WG345494LCSW6	LCSW	06/12/13 18:59	PCN40853	6		6.02	units	100.3	98	102			
WG345494LCSW9	LCSW	06/12/13 23:14	PCN40853	6		6	units	100	98	102			
L12513-01DUP	DUP	06/13/13 1:06			8.2	8.23	units				0.4	20	
WG345494LCSW12	LCSW	06/13/13 3:44	PCN40853	6		6.01	units	100.2	98	102			
WG345494LCSW15	LCSW	06/13/13 8:30	PCN40853	6		5.99	units	99.8	98	102			

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346037													
WG346037ICV	ICV	06/20/13 16:31	II130510-1	20		19.93	mg/L	99.7	95	105			
WG346037ICB	ICB	06/20/13 16:37				U	mg/L		-0.9	0.9			
WG346037LFB	LFB	06/20/13 16:50	II130617-2	99.97161		97.23	mg/L	97.3	85	115			
L12512-01AS	AS	06/20/13 16:56	II130617-2	99.97161	6.2	103.8	mg/L	97.6	85	115			
L12512-01ASD	ASD	06/20/13 16:59	II130617-2	99.97161	6.2	104	mg/L	97.8	85	115	0.19	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345354													
WG345354PBW	PBW	06/11/13 9:58				U	mg/L		-20	20			
WG345354LCSW	LCSW	06/11/13 9:59	PCN42167	260		240	mg/L	92.3	80	120			
L12536-03DUP	DUP	06/11/13 10:14			530	508	mg/L				4.2	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346186													
WG346186ICV	ICV	06/21/13 18:45	MS130416-2	.05		.05294	mg/L	105.9	90	110			
WG346186ICB	ICB	06/21/13 18:46				U	mg/L		-0.0003	0.0003			
WG346186LFB	LFB	06/21/13 18:48	MS130614-1	.05005		.04989	mg/L	99.7	85	115			
L12512-02AS	AS	06/21/13 18:52	MS130614-1	.05005	.0001	.05452	mg/L	108.7	70	130			
L12512-02ASD	ASD	06/21/13 18:54	MS130614-1	.05005	.0001	.05514	mg/L	110	70	130	1.13	20	

Uranium Energy Corp

ACZ Project ID: ***L12512***

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346037													
WG346037ICV	ICV	06/20/13 16:31	II130510-1	42.8		42.48	mg/L	99.3	95	105			
WG346037ICB	ICB	06/20/13 16:37				U	mg/L		-1.2	1.2			
WG346037LFB	LFB	06/20/13 16:50	II130617-2	21.428		21.74	mg/L	101.5	85	115			
L12512-01AS	AS	06/20/13 16:56	II130617-2	21.428	46.7	67.39	mg/L	96.6	85	115			
L12512-01ASD	ASD	06/20/13 16:59	II130617-2	21.428	46.7	67.75	mg/L	98.2	85	115	0.53	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346037													
WG346037ICV	ICV	06/20/13 16:31	II130510-1	100		100.07	mg/L	100.1	95	105			
WG346037ICB	ICB	06/20/13 16:37				U	mg/L		-0.9	0.9			
WG346037LFB	LFB	06/20/13 16:50	II130617-2	100.0416		97.86	mg/L	97.8	85	115			
L12512-01AS	AS	06/20/13 16:56	II130617-2	100.0416	314	405.2	mg/L	91.2	85	115			
L12512-01ASD	ASD	06/20/13 16:59	II130617-2	100.0416	314	405.9	mg/L	91.9	85	115	0.17	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346206													
WG346206ICB	ICB	06/22/13 9:53				U	mg/L		-3	3			
WG346206ICV	ICV	06/22/13 9:53	WI130621-8	20		19.7	mg/L	98.5	90	110			
WG346206LFB	LFB	06/22/13 11:16	WI130416-3	9.99		10.7	mg/L	107.1	90	110			
L12512-01DUP	DUP	06/22/13 11:37			116	116.2	mg/L				0.2	20	
L12512-02AS	AS	06/22/13 11:37	SO4TURB5	10	96	104.3	mg/L	83	90	110			M3

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG346098													
WG346098ICV	ICV	06/20/13 22:05	MS130416-2	.05		.05189	mg/L	103.8	90	110			
WG346098ICB	ICB	06/20/13 22:08				.00011	mg/L		-0.0003	0.0003			
WG346098LFB	LFB	06/20/13 22:12	MS130614-1	.05		.05222	mg/L	104.4	85	115			
L12512-02AS	AS	06/20/13 22:22	MS130614-1	.05	.0007	.05295	mg/L	104.5	70	130			
L12512-02ASD	ASD	06/20/13 22:25	MS130614-1	.05	.0007	.05742	mg/L	113.4	70	130	8.1	20	

Uranium Energy Corp ACZ Project ID: ***L12512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12512-01	WG346026	Mercury, dissolved	M245.1 CVAA	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG345494	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG346247	Chloride	SM4500Cl-E	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.
			SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG345494	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG346052	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345494	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345144	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG346161	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345494	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG345354	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG346206	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG345494	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

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Inorganic Extended Qualifier Report

Uranium Energy Corp ACZ Project ID: ***L12512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12512-02	WG346026	Mercury, dissolved	M245.1 CVAA	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG345494	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG346247	Chloride	SM4500Cl-E	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.
			SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG345494	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG346052	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345494	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345144	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG346161	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345494	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG345354	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG346206	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG345494	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

Uranium Energy Corp ACZ Project ID: ***L12512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12512-03	WG346026	Mercury, dissolved	M245.1 CVAA	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG345494	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG346247	Chloride	SM4500Cl-E	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.
			SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG345494	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG346052	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345494	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345144	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG346161	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345494	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG345354	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG346206	Sulfate	D516-02 - Turbidimetric	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.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG345494	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-5
Locator:

ACZ Sample ID: ***L12512-01***
Date Sampled: *06/05/13 11:05*
Date Received: *06/06/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/25/13 0:12		0.45	0.18	0.26	pCi/L		nco

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-1
Locator:

ACZ Sample ID: ***L12512-02***
Date Sampled: *06/05/13 12:45*
Date Received: *06/06/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/25/13 0:14		-0.22	0.1	0.21	pCi/L		nco

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 5-3
Locator:

ACZ Sample ID: ***L12512-03***
Date Sampled: *06/05/13 14:05*
Date Received: *06/06/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/25/13 0:15		0.34	0.32	0.54	pCi/L		nco

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12512***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG346444																
WG345938PBW	PBW	06/25/13						-.11	0.09	0.23			0.46			
WG345938LCSW	LCSW	06/25/13	RC130227-2	23.92				17	0.54	0.21	71.1	43	148			
L12473-01DUP	DUP-RER	06/25/13			0.29	0.15	0.22	.31	0.11	0.13				0.11	2	
L12528-06DUP	DUP-RER	06/25/13			-0.16	0.11	0.21	-.3	0.11	0.25				0.9	2	
L12473-03MS	MS	06/25/13	RC130227-2	23.92	0.55	0.18	0.16	16	0.52	0.17	64.6	43	148			

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RadChem Extended Qualifier Report

Uranium Energy Corp ACZ Project ID: ***L12512***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L12512***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
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Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12512
Date Received: 06/06/2013 10:29
Received By: ksj
Date Printed: 6/6/2013

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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 match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
3921	14.9	14	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

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. L12512

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

CHAIN of CUSTODY

Report to:

Name: Craig Wall
Company: UEC
E-mail: cwall@uraniumenergy.com
Address: 500 N. Shoreline Blvd Ste 800N
Corpus Christi, TX 78401
Telephone: 361 888 8235

Copy of Report to:

Name: AJ Hacker
Company: UEC
E-mail: ahecker@uraniumenergy.com
Telephone: 361 888 8235

Invoice to:

Name: Katie Parsons
Company: UEC
E-mail: kparsons@uraniumenergy.com
Address: 500 N. Shoreline Blvd Ste 800N
Corpus Christi, TX 78401
Telephone: 361 887 8235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: AJ Hacker **Sampler's site Information** **State:** TX **Zip code** 78401 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:
PO#:
Reporting state for compliance testing: TX
Check box if samples include NRC licensed material? [ ]

ANALYSIS REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TDS 2072							
RBW 5-5	6/5/13 11:05 AM	GW	4	X							
RBW 5-1	6/5/13 12:45 PM	GW	4	X							
RBW 5-3	6/5/13 2:05 PM	GW	4	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
AJ Hacker	6/5/13 5:00 PM	UPS	6/6/13 1025

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

L12512 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

June 12, 2013

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L12124

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 17, 2013. This project has been assigned to ACZ's project number, L12124. 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 L12124. 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 July 12, 2013. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 2-2

ACZ Sample ID: ***L12124-01***
Date Sampled: *05/16/13 12:12*
Date Received: *05/17/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0250			mg/L	0.0002	0.001	05/30/13 1:32	msh
Cadmium, dissolved	M200.8 ICP-MS	1	0.0001	B		mg/L	0.0001	0.0005	05/30/13 1:32	msh
Calcium, dissolved	M200.7 ICP	1	48.4			mg/L	0.2	1	05/30/13 1:02	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	05/30/13 1:02	aeb
Lead, dissolved	M200.8 ICP-MS	1	0.0089			mg/L	0.0001	0.0005	05/30/13 1:32	msh
Magnesium, dissolved	M200.7 ICP	1	16.0			mg/L	0.2	1	05/30/13 1:02	aeb
Manganese, dissolved	M200.7 ICP	1	0.018	B		mg/L	0.005	0.03	05/30/13 1:02	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	05/31/13 14:34	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	05/30/13 1:02	aeb
Potassium, dissolved	M200.7 ICP	1	7.0			mg/L	0.3	2	05/30/13 1:02	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0021			mg/L	0.0001	0.0003	05/30/13 1:32	msh
Silica, dissolved	M200.7 ICP	1	34.9			mg/L	0.4	2	05/30/13 1:02	aeb
Sodium, dissolved	M200.7 ICP	1	195			mg/L	0.3	2	05/30/13 1:02	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0060			mg/L	0.0001	0.0005	05/30/13 1:32	msh

** Please refer to Qualifier Reports for details.*

Uranium Energy Corp
Project ID:
Sample ID: RBW 2-2

ACZ Sample ID: ***L12124-01***
Date Sampled: *05/16/13 12:12*
Date Received: *05/17/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	298		*	mg/L	2	20	05/21/13 0:00	khw
Carbonate as CaCO3		1		U	*	mg/L	2	20	05/21/13 0:00	khw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	05/21/13 0:00	khw
Total Alkalinity		1	298		*	mg/L	2	20	05/21/13 0:00	khw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-4.2			%			06/12/13 0:00	calc
Sum of Anions			13.6			meq/L	0.1	0.5	06/12/13 0:00	calc
Sum of Cations			12.5			meq/L	0.1	0.5	06/12/13 0:00	calc
Chloride	SM4500Cl-E	10	200		*	mg/L	10	50	05/30/13 15:55	jlf
Conductivity @25C	SM2510B	1	1340		*	umhos/cm	1	10	05/21/13 21:20	khw
Fluoride	SM4500F-C	1	0.8		*	mg/L	0.1	0.5	05/30/13 10:19	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							05/20/13 15:30	dcw
Lab Filtration (glass fiber filter)	SOPWC050	1							05/17/13 13:41	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.67			mg/L	0.02	0.1	06/12/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.67		*	mg/L	0.02	0.1	05/17/13 18:07	tcd
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	05/17/13 18:07	tcd
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/04/13 12:41	lhb
pH (lab)	SM4500H+ B									
pH		1	8.2	H	*	units	0.1	0.1	05/21/13 0:00	khw
pH measured at		1	20.0		*	C	0.1	0.1	05/21/13 0:00	khw
Residue, Filterable (TDS) @180C	SM2540C	1	780		*	mg/L	10	20	05/21/13 10:22	khw
Sulfate	D516-02 - Turbidimetric	5	92		*	mg/L	5	30	06/03/13 18:44	lhb
TDS (calculated)	Calculation		776			mg/L	10	50	06/12/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.01						06/12/13 0:00	calc

Uranium Energy Corp
Project ID:
Sample ID: RBW 2-3

ACZ Sample ID: ***L12124-02***
Date Sampled: *05/16/13 13:30*
Date Received: *05/17/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0071			mg/L	0.0002	0.001	05/30/13 1:35	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	05/30/13 1:35	msh
Calcium, dissolved	M200.7 ICP	1	25.2			mg/L	0.2	1	05/30/13 1:05	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	05/30/13 1:05	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	05/30/13 1:35	msh
Magnesium, dissolved	M200.7 ICP	1	10.7			mg/L	0.2	1	05/30/13 1:05	aeb
Manganese, dissolved	M200.7 ICP	1	0.035			mg/L	0.005	0.03	05/30/13 1:05	aeb
Mercury, dissolved	M245.1 CVAA	1		U		mg/L	0.0002	0.001	05/31/13 14:36	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	05/30/13 1:05	aeb
Potassium, dissolved	M200.7 ICP	1	3.1			mg/L	0.3	2	05/30/13 1:05	aeb
Selenium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0003	05/30/13 1:35	msh
Silica, dissolved	M200.7 ICP	1	20.4			mg/L	0.4	2	05/30/13 1:05	aeb
Sodium, dissolved	M200.7 ICP	1	166			mg/L	0.3	2	05/30/13 1:05	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0001	B		mg/L	0.0001	0.0005	05/30/13 1:35	msh

Uranium Energy Corp
Project ID:
Sample ID: RBW 2-3

ACZ Sample ID: ***L12124-02***
Date Sampled: *05/16/13 13:30*
Date Received: *05/17/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	256		*	mg/L	2	20	05/21/13 0:00	khw
Carbonate as CaCO3		1	11	B	*	mg/L	2	20	05/21/13 0:00	khw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	05/21/13 0:00	khw
Total Alkalinity		1	267		*	mg/L	2	20	05/21/13 0:00	khw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-5.0			%			06/12/13 0:00	calc
Sum of Anions			10.5			meq/L	0.1	0.5	06/12/13 0:00	calc
Sum of Cations			9.5			meq/L	0.1	0.5	06/12/13 0:00	calc
Chloride	SM4500Cl-E	10	140		*	mg/L	10	50	05/30/13 15:55	jlf
Conductivity @25C	SM2510B	1	1080		*	umhos/cm	1	10	05/21/13 21:29	khw
Fluoride	SM4500F-C	1	0.5	B	*	mg/L	0.1	0.5	05/30/13 10:22	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							05/20/13 15:37	dcw
Lab Filtration (glass fiber filter)	SOPWC050	1							05/17/13 13:44	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.05	B		mg/L	0.02	0.1	06/12/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.05	B	*	mg/L	0.02	0.1	05/17/13 18:12	tcd
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	05/17/13 18:12	tcd
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/04/13 12:43	lhb
pH (lab)	SM4500H+ B									
pH		1	8.3	H		units	0.1	0.1	05/23/13 0:00	abm
pH measured at		1	21.0			C	0.1	0.1	05/23/13 0:00	abm
Residue, Filterable (TDS) @180C	SM2540C	1	610		*	mg/L	10	20	05/21/13 10:23	khw
Sulfate	D516-02 - Turbidimetric	5	59		*	mg/L	5	30	06/03/13 18:44	lhb
TDS (calculated)	Calculation		585			mg/L	10	50	06/12/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.04						06/12/13 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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12124***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344106													
WG344106PBW1	PBW	05/21/13 18:42				14.9	mg/L		-20	20			
WG344106LCSW2	LCSW	05/21/13 18:55	WC130514-	820.0001		753.7	mg/L	91.9	90	110			
L12143-03DUP	DUP	05/21/13 22:40			60	58.3	mg/L				2.9	20	
WG344106LCSW5	LCSW	05/21/13 22:54	WC130514-	820.0001		779	mg/L	95	90	110			
WG344106PBW2	PBW	05/21/13 23:03				U	mg/L		-20	20			
WG344106LCSW8	LCSW	05/22/13 2:03	WC130514-	820.0001		764.4	mg/L	93.2	90	110			
WG344106PBW3	PBW	05/22/13 2:12				U	mg/L		-20	20			
WG344106LCSW11	LCSW	05/22/13 10:27	WC130514-	820.0001		788.4	mg/L	96.1	90	110			
WG344106PBW4	PBW	05/22/13 10:36				U	mg/L		-20	20			
WG344106LCSW14	LCSW	05/22/13 13:57	WC130514-	820.0001		790.9	mg/L	96.5	90	110			
WG344106PBW5	PBW	05/22/13 14:05				U	mg/L		-20	20			
WG344106LCSW17	LCSW	05/22/13 17:07	WC130514-	820.0001		793.3	mg/L	96.7	90	110			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344539													
WG344539ICV	ICV	05/30/13 1:05	MS130416-2	.05		.05325	mg/L	106.5	90	110			
WG344539ICB	ICB	05/30/13 1:08				U	mg/L		-0.0006	0.0006			
WG344539LFB	LFB	05/30/13 1:12	MS130508-1	.05005		.04916	mg/L	98.2	85	115			
L12099-01AS	AS	05/30/13 1:18	MS130508-1	.05005	.0028	.05487	mg/L	104	70	130			
L12099-01ASD	ASD	05/30/13 1:22	MS130508-1	.05005	.0028	.05507	mg/L	104.4	70	130	0.36	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344539													
WG344539ICV	ICV	05/30/13 1:05	MS130416-2	.05		.05206	mg/L	104.1	90	110			
WG344539ICB	ICB	05/30/13 1:08				U	mg/L		-0.0003	0.0003			
WG344539LFB	LFB	05/30/13 1:12	MS130508-1	.0501		.04937	mg/L	98.5	85	115			
L12099-01AS	AS	05/30/13 1:18	MS130508-1	.0501	.0002	.04901	mg/L	97.4	70	130			
L12099-01ASD	ASD	05/30/13 1:22	MS130508-1	.0501	.0002	.04891	mg/L	97.2	70	130	0.2	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344438													
WG344438ICV	ICV	05/30/13 0:21	II130510-1	100		98.98	mg/L	99	95	105			
WG344438ICB	ICB	05/30/13 0:27				U	mg/L		-0.6	0.6			
WG344438LFB	LFB	05/30/13 0:40	II130524-3	67.95918		72.28	mg/L	106.4	85	115			
L12121-04AS	AS	05/30/13 0:55	II130524-3	67.95918	52.9	122.5	mg/L	102.4	85	115			
L12121-04ASD	ASD	05/30/13 0:58	II130524-3	67.95918	52.9	123.8	mg/L	104.3	85	115	1.06	20	

Uranium Energy Corp

ACZ Project ID: ***L12124***

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344627													
WG344627ICB	ICB	05/30/13 11:43				U	mg/L		-3	3			
WG344627ICV	ICV	05/30/13 11:43	WI130131-1	54.945		58.9	mg/L	107.2	90	110			
L12100-01AS	AS	05/30/13 15:38	WI130201-8	30	28	56.6	mg/L	95.3	90	110			
L12100-02DUP	DUP	05/30/13 15:55			240	242	mg/L				0.8	20	
WG344627LFB1	LFB	05/30/13 16:32	WI130201-8	30		32	mg/L	106.7	90	110			
WG344627LFB2	LFB	05/30/13 16:32	WI130201-8	30		31.8	mg/L	106	90	110			

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344106													
WG344106LCSW1	LCSW	05/21/13 18:43	PCN41036	1408.8		1460.2	umhos/cm	103.6	90	110			
L12143-03DUP	DUP	05/21/13 22:40			136	134.4	umhos/cm				1.2	20	
WG344106LCSW4	LCSW	05/21/13 22:42	PCN41036	1408.8		1440.7	umhos/cm	102.3	90	110			
WG344106LCSW7	LCSW	05/22/13 1:52	PCN41036	1408.8		1419.2	umhos/cm	100.7	90	110			
WG344106LCSW10	LCSW	05/22/13 10:16	PCN41036	1408.8		1424.2	umhos/cm	101.1	90	110			
WG344106LCSW13	LCSW	05/22/13 13:45	PCN41036	1408.8		1390.5	umhos/cm	98.7	90	110			
WG344106LCSW16	LCSW	05/22/13 16:55	PCN41036	1408.8		1374.2	umhos/cm	97.5	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344566													
WG344566ICV	ICV	05/30/13 9:08	WC130523-	2.002		1.93	mg/L	96.4	95	105			
WG344566ICB	ICB	05/30/13 9:13				U	mg/L		-0.3	0.3			
WG344566LFB1	LFB	05/30/13 9:22	WC130313-	5.005		4.64	mg/L	92.7	90	110			
L12099-01AS	AS	05/30/13 9:28	WC130313-	5.005	.8	5.61	mg/L	96.1	90	110			
L12099-01DUP	DUP	05/30/13 9:32			.8	.71	mg/L				11.9	20	RA
WG344566LFB2	LFB	05/30/13 11:42	WC130313-	5.005		4.6	mg/L	91.9	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344438													
WG344438ICV	ICV	05/30/13 0:21	II130510-1	2		2.011	mg/L	100.6	95	105			
WG344438ICB	ICB	05/30/13 0:27				U	mg/L		-0.06	0.06			
WG344438LFB	LFB	05/30/13 0:40	II130524-3	1		1.043	mg/L	104.3	85	115			
L12121-04AS	AS	05/30/13 0:55	II130524-3	1	.49	1.503	mg/L	101.3	85	115			
L12121-04ASD	ASD	05/30/13 0:58	II130524-3	1	.49	1.512	mg/L	102.2	85	115	0.6	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344539													
WG344539ICV	ICV	05/30/13 1:05	MS130416-2	.05		.05268	mg/L	105.4	90	110			
WG344539ICB	ICB	05/30/13 1:08				U	mg/L		-0.0003	0.0003			
WG344539LFB	LFB	05/30/13 1:12	MS130508-1	.05005		.04947	mg/L	98.8	85	115			
L12099-01AS	AS	05/30/13 1:18	MS130508-1	.05005	.0002	.04939	mg/L	98.3	70	130			
L12099-01ASD	ASD	05/30/13 1:22	MS130508-1	.05005	.0002	.04986	mg/L	99.2	70	130	0.95	20	

Uranium Energy Corp

ACZ Project ID: ***L12124***

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344438													
WG344438ICV	ICV	05/30/13 0:21	II130510-1	100		101.63	mg/L	101.6	95	105			
WG344438ICB	ICB	05/30/13 0:27				U	mg/L		-0.6	0.6			
WG344438LFB	LFB	05/30/13 0:40	II130524-3	49.99941		52.97	mg/L	105.9	85	115			
L12121-04AS	AS	05/30/13 0:55	II130524-3	49.99941	10	62.18	mg/L	104.4	85	115			
L12121-04ASD	ASD	05/30/13 0:58	II130524-3	49.99941	10	63.12	mg/L	106.2	85	115	1.5	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344438													
WG344438ICV	ICV	05/30/13 0:21	II130510-1	2		1.9325	mg/L	96.6	95	105			
WG344438ICB	ICB	05/30/13 0:27				U	mg/L		-0.015	0.015			
WG344438LFB	LFB	05/30/13 0:40	II130524-3	.5		.5102	mg/L	102	85	115			
L12121-04AS	AS	05/30/13 0:55	II130524-3	.5	1.02	1.484	mg/L	92.8	85	115			
L12121-04ASD	ASD	05/30/13 0:58	II130524-3	.5	1.02	1.488	mg/L	93.6	85	115	0.27	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344591													
WG344591ICV	ICV	05/31/13 8:55	II130522-4	.005025		.00527	mg/L	104.9	95	105			
WG344591ICB	ICB	05/31/13 8:57				U	mg/L		-0.0002	0.0002			
WG344623													
WG344623LRB	LRB	05/31/13 14:30				U	mg/L		-0.00044	0.00044			
WG344623LFB	LFB	05/31/13 14:32	II130515-2	.002002		.00187	mg/L	93.4	85	115			
L12124-02LFM	LFM	05/31/13 14:38	II130515-2	.002002	U	.00189	mg/L	94.4	85	115			
L12124-02LFMD	LFMD	05/31/13 14:40	II130515-2	.002002	U	.00188	mg/L	93.9	85	115	0.53	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344438													
WG344438ICV	ICV	05/30/13 0:21	II130510-1	2		1.988	mg/L	99.4	95	105			
WG344438ICB	ICB	05/30/13 0:27				U	mg/L		-0.06	0.06			
WG344438LFB	LFB	05/30/13 0:40	II130524-3	.5		.52	mg/L	104	85	115			
L12121-04AS	AS	05/30/13 0:55	II130524-3	.5	U	.512	mg/L	102.4	85	115			
L12121-04ASD	ASD	05/30/13 0:58	II130524-3	.5	U	.518	mg/L	103.6	85	115	1.17	20	

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG343922													
WG343922ICV	ICV	05/17/13 17:41	WI130411-3	2.416		2.339	mg/L	96.8	90	110			
WG343922ICB	ICB	05/17/13 17:42				U	mg/L		-0.06	0.06			
WG343922LFB	LFB	05/17/13 17:47	WI130215-3	2		1.914	mg/L	95.7	90	110			
L12124-01AS	AS	05/17/13 18:08	WI130215-3	2	.67	2.658	mg/L	99.4	90	110			
L12124-02DUP	DUP	05/17/13 18:13			.05	U	mg/L				200	20	RA

Uranium Energy Corp

ACZ Project ID: ***L12124***

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG343922													
WG343922ICV	ICV	05/17/13 17:41	WI130411-3	.609		.594	mg/L	97.5	90	110			
WG343922ICB	ICB	05/17/13 17:42				U	mg/L		-0.03	0.03			
WG343922LFB	LFB	05/17/13 17:47	WI130215-3	1		.98	mg/L	98	90	110			
L12124-01AS	AS	05/17/13 18:08	WI130215-3	1	U	1.033	mg/L	103.3	90	110			
L12124-02DUP	DUP	05/17/13 18:13			U	U	mg/L				0	20	RA

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344878													
WG344878ICV	ICV	06/04/13 12:33	WI121105-5	1.003		1.034	mg/L	103.1	90	110			
WG344878ICB	ICB	06/04/13 12:36				U	mg/L		-0.15	0.15			
WG344878LFB1	LFB	06/04/13 12:37	WI121218-3	1		.973	mg/L	97.3	90	110			
L12118-01AS	AS	06/04/13 12:39	WI121218-3	1	2.24	3.153	mg/L	91.3	90	110			
L12124-01DUP	DUP	06/04/13 12:42			U	U	mg/L				0	20	RA
WG344878LFB2	LFB	06/04/13 13:09	WI121218-3	1		.969	mg/L	96.9	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344106													
WG344106LCSW3	LCSW	05/21/13 18:58	PCN40853	6		6	units	100	98	102			
L12143-03DUP	DUP	05/21/13 22:40			7.4	7.6	units				2.7	20	
WG344106LCSW6	LCSW	05/21/13 22:57	PCN40853	6		6	units	100	98	102			
WG344106LCSW9	LCSW	05/22/13 2:07	PCN40853	6		6.01	units	100.2	98	102			
WG344253													
WG344253LCSW3	LCSW	05/23/13 16:38	PCN40853	6		6	units	100	98	102			
WG344253LCSW6	LCSW	05/23/13 19:58	PCN40853	6		6.02	units	100.3	98	102			
WG344253LCSW9	LCSW	05/23/13 23:22	PCN40853	6		6.02	units	100.3	98	102			
L12135-01DUP	DUP	05/24/13 0:29			6.7	6.7	units				0	20	
WG344253LCSW12	LCSW	05/24/13 2:40	PCN40853	6		6.02	units	100.3	98	102			
WG344253LCSW15	LCSW	05/24/13 6:09	PCN40853	6		6.01	units	100.2	98	102			

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344438													
WG344438ICV	ICV	05/30/13 0:21	II130510-1	20		20.08	mg/L	100.4	95	105			
WG344438ICB	ICB	05/30/13 0:27				U	mg/L		-0.9	0.9			
WG344438LFB	LFB	05/30/13 0:40	II130524-3	99.97161		103.3	mg/L	103.3	85	115			
L12121-04AS	AS	05/30/13 0:55	II130524-3	99.97161	1.5	103.4	mg/L	101.9	85	115			
L12121-04ASD	ASD	05/30/13 0:58	II130524-3	99.97161	1.5	105.2	mg/L	103.7	85	115	1.73	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344043													
WG344043PBW	PBW	05/21/13 10:20				U	mg/L		-20	20			
WG344043LCSW	LCSW	05/21/13 10:21	PCN42164	260		256	mg/L	98.5	80	120			
L12147-02DUP	DUP	05/21/13 10:33			720	710	mg/L				1.4	10	

Uranium Energy Corp

ACZ Project ID: ***L12124***

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344539													
WG344539ICV	ICV	05/30/13 1:05	MS130416-2	.05		.05323	mg/L	106.5	90	110			
WG344539ICB	ICB	05/30/13 1:08				U	mg/L		-0.0003	0.0003			
WG344539LFB	LFB	05/30/13 1:12	MS130508-1	.05005		.04933	mg/L	98.6	85	115			
L12099-01AS	AS	05/30/13 1:18	MS130508-1	.05005	.0003	.05205	mg/L	103.4	70	130			
L12099-01ASD	ASD	05/30/13 1:22	MS130508-1	.05005	.0003	.0526	mg/L	104.5	70	130	1.05	20	

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344438													
WG344438ICV	ICV	05/30/13 0:21	II130510-1	42.8		42.97	mg/L	100.4	95	105			
WG344438ICB	ICB	05/30/13 0:27				U	mg/L		-1.2	1.2			
WG344438LFB	LFB	05/30/13 0:40	II130524-3	21.428		22.79	mg/L	106.4	85	115			
L12121-04AS	AS	05/30/13 0:55	II130524-3	21.428	10.8	33.62	mg/L	106.5	85	115			
L12121-04ASD	ASD	05/30/13 0:58	II130524-3	21.428	10.8	33.53	mg/L	106.1	85	115	0.27	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344438													
WG344438ICV	ICV	05/30/13 0:21	II130510-1	100		100.29	mg/L	100.3	95	105			
WG344438ICB	ICB	05/30/13 0:27				U	mg/L		-0.9	0.9			
WG344438LFB	LFB	05/30/13 0:40	II130524-3	100.0416		103.5	mg/L	103.5	85	115			
L12121-04AS	AS	05/30/13 0:55	II130524-3	100.0416	22.1	123.7	mg/L	101.6	85	115			
L12121-04ASD	ASD	05/30/13 0:58	II130524-3	100.0416	22.1	125.1	mg/L	103	85	115	1.13	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344850													
WG344850ICB	ICB	06/03/13 16:42				U	mg/L		-3	3			
WG344850ICV	ICV	06/03/13 16:43	WI130520-7	20		20.9	mg/L	104.5	90	110			
WG344850LFB	LFB	06/03/13 18:33	WI130416-3	9.99		9.4	mg/L	94.1	90	110			
L12124-01DUP	DUP	06/03/13 18:44			92	89.9	mg/L				2.3	20	
L12124-02AS	AS	06/03/13 18:46	SO4TURB5	10	59	68.3	mg/L	93	90	110			

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344539													
WG344539ICV	ICV	05/30/13 1:05	MS130416-2	.05		.05342	mg/L	106.8	90	110			
WG344539ICB	ICB	05/30/13 1:08				U	mg/L		-0.0003	0.0003			
WG344539LFB	LFB	05/30/13 1:12	MS130508-1	.05		.05075	mg/L	101.5	85	115			
L12099-01AS	AS	05/30/13 1:18	MS130508-1	.05	.0128	.0662	mg/L	106.8	70	130			
L12099-01ASD	ASD	05/30/13 1:22	MS130508-1	.05	.0128	.06644	mg/L	107.3	70	130	0.36	20	

Uranium Energy Corp ACZ Project ID: ***L12124***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12124-01	WG344106	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344627	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344106	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG344566	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344106	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG343922	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344878	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344106	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG344043	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG344850	Sulfate	D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG344106	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.
L12124-02	WG344106	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344627	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344106	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG344566	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344106	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG343922	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344878	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344043	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG344850	Sulfate	D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG344106	Total Alkalinity	SM2320B - Titration	Q6	Sample was received above recommended temperature.

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 2-2
Locator:

ACZ Sample ID: ***L12124-01***
Date Sampled: *05/16/13 12:12*
Date Received: *05/17/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/10/13 12:04		0.1	0.07	0.08	pCi/L		mla

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW 2-3
Locator:

ACZ Sample ID: ***L12124-02***
Date Sampled: *05/16/13 13:30*
Date Received: *05/17/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/10/13 12:04		0.16	0.11	0.18	pCi/L		mla

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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12124***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG345342																
WG344562PBW	PBW	06/10/13						.04	0.08	0.11			0.22			
WG344562LCSW	LCSW	06/10/13	RC130227-2	23.92				22	0.48	0.07	92	43	148			
L12232-02MS	MS	06/10/13	RC130227-2	23.92	0.27	0.09	0.08	22	0.5	0.13	90.9	43	148			
L12232-01DUP	DUP-RER	06/10/13			0.11	0.05	0.06	.05	0.08	0.25				0.63	2	

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RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L12124***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L12124***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
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Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12124
Date Received: 05/17/2013 10:07
Received By: ksj
Date Printed: 5/17/2013

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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	

```
L12124-01 Container B1333830: A label was not present on the
sample containers, but was present on the sample bag.

L12124-01 Container B1333832: A label was not present on the
sample containers, but was present on the sample bag.

L12124-01 Container B1333833: A label was not present on the
sample containers, but was present on the sample bag.

L12124-02 Container B1333836: A label was not present on the
sample containers, but was present on the sample bag.

L12124-02 Container B1333837: A label was not present on the
sample containers, but was present on the sample bag.

L12124-02 Container B1333839: A label was not present on the
sample containers, but was present on the sample bag.
```

10) Do the sample labels and Chain of Custody match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

Chain of Custody Related Remarks

Client Contact Remarks

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12124
Date Received: 05/17/2013 10:07
Received By: ksj
Date Printed: 5/17/2013

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
3614	13.6	12	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

L12124

ACZ Laboratories, Inc.

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

CHAIN of CUSTODY

Report to:

Name: CRAIG WALL
Company: UEC
E-mail: cwall@uraniumenergy.com
Address: 500 N. SHORELINE BLVD. STE. 800N CORPUS CHRISTI, TX 78401
Telephone: 361 888 8235

Copy of Report to:

Name: AJ HECKER
Company: UEC
E-mail: ahecker@uraniumenergy.com
Telephone: 361 888 8235

Invoice to:

Name: KATIE PARSONS
Company: UEC
E-mail: KParsons@uraniumenergy.com
Address: 500 N. SHORELINE BLVD. STE. 800 N. CORPUS CHRISTI, TX 78401
Telephone: 361 889 8235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: AJ HECKER **Sampler's site Information** **State:** TX **Zip code** 78401 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:
PO#:
Reporting state for compliance testing: TX
Check box if samples include NRC licensed material? [ ]

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TCEQ 20372							
RBW 2-2	5/16/13 12:12PM	GW	5	X							
RBW 2-3	5/16/13 1:30 PM	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
AJ HECKER	5/16/13 4:30PM	[signature]	5/17/13 10:00

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

L12124 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

June 18, 2013

Report to:
Craig Wall
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

Bill to:
Nancy Tu
Uranium Energy Corp
500 N. Shoreline Suite 800
Corpus Christi, TX 78401

cc: A.J. Hecker

Project ID:
ACZ Project ID: L12260

Craig Wall:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 24, 2013. This project has been assigned to ACZ's project number, L12260. 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 L12260. 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 July 18, 2013. 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.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW3-3

ACZ Sample ID: ***L12260-01***
Date Sampled: *05/23/13 13:25*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0135			mg/L	0.0002	0.001	06/06/13 20:16	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/06/13 20:16	msh
Calcium, dissolved	M200.7 ICP	1	55.5			mg/L	0.2	1	06/08/13 0:44	aeb
Iron, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.05	06/08/13 0:44	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/06/13 20:16	msh
Magnesium, dissolved	M200.7 ICP	1	20.1			mg/L	0.2	1	06/08/13 0:44	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/08/13 0:44	aeb
Mercury, dissolved	M245.1 CVAA	1		U	*	mg/L	0.0002	0.001	06/10/13 15:55	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/08/13 0:44	aeb
Potassium, dissolved	M200.7 ICP	1	4.4			mg/L	0.3	2	06/08/13 0:44	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0025			mg/L	0.0001	0.0003	06/06/13 20:16	msh
Silica, dissolved	M200.7 ICP	1	29.4			mg/L	0.4	2	06/08/13 0:44	aeb
Sodium, dissolved	M200.7 ICP	1	227			mg/L	0.3	2	06/08/13 0:44	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0070			mg/L	0.0001	0.0005	06/06/13 20:16	msh

** Please refer to Qualifier Reports for details.*

Uranium Energy Corp
Project ID:
Sample ID: RBW3-3

ACZ Sample ID: ***L12260-01***
Date Sampled: *05/23/13 13:25*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	258		*	mg/L	2	20	05/31/13 0:00	khw
Carbonate as CaCO3		1		U	*	mg/L	2	20	05/31/13 0:00	khw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	05/31/13 0:00	khw
Total Alkalinity		1	258		*	mg/L	2	20	05/31/13 0:00	khw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.3			%			06/18/13 0:00	calc
Sum of Anions			14.4			meq/L	0.1	0.5	06/18/13 0:00	calc
Sum of Cations			14.5			meq/L	0.1	0.5	06/18/13 0:00	calc
Chloride	SM4500Cl-E	10	250		*	mg/L	10	50	06/11/13 13:59	bsu
Conductivity @25C	SM2510B	1	1470		*	umhos/cm	1	10	05/31/13 21:12	khw
Fluoride	SM4500F-C	1	0.7		*	mg/L	0.1	0.5	06/06/13 15:38	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/04/13 15:00	las
Lab Filtration (glass fiber filter)	SOPWC050	1							05/24/13 13:34	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		1.01			mg/L	0.02	0.1	06/18/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	1.04		*	mg/L	0.02	0.1	05/24/13 19:29	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.03	B	*	mg/L	0.01	0.05	05/24/13 19:29	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/11/13 12:54	lhb
pH (lab)	SM4500H+ B									
pH		1	8.1	H	*	units	0.1	0.1	05/31/13 0:00	khw
pH measured at		1	18.0		*	C	0.1	0.1	05/31/13 0:00	khw
Residue, Filterable (TDS) @180C	SM2540C	1	840		*	mg/L	10	20	05/30/13 11:19	mss3
Sulfate	D516-02 - Turbidimetric	5	102		*	mg/L	5	30	06/10/13 11:18	bsu
TDS (calculated)	Calculation		848			mg/L	10	50	06/18/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.99						06/18/13 0:00	calc

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Inorganic Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW3-4

ACZ Sample ID: ***L12260-02***
Date Sampled: *05/23/13 14:25*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Arsenic, dissolved	M200.8 ICP-MS	1	0.0182			mg/L	0.0002	0.001	06/06/13 20:20	msh
Cadmium, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/06/13 20:20	msh
Calcium, dissolved	M200.7 ICP	1	143			mg/L	0.2	1	06/08/13 0:53	aeb
Iron, dissolved	M200.7 ICP	1	0.03	B		mg/L	0.02	0.05	06/08/13 0:53	aeb
Lead, dissolved	M200.8 ICP-MS	1		U		mg/L	0.0001	0.0005	06/06/13 20:20	msh
Magnesium, dissolved	M200.7 ICP	1	45.0			mg/L	0.2	1	06/08/13 0:53	aeb
Manganese, dissolved	M200.7 ICP	1		U		mg/L	0.005	0.03	06/08/13 0:53	aeb
Mercury, dissolved	M245.1 CVAA	1		U	*	mg/L	0.0002	0.001	06/10/13 16:02	mfm
Molybdenum, dissolved	M200.7 ICP	1		U		mg/L	0.02	0.1	06/08/13 0:53	aeb
Potassium, dissolved	M200.7 ICP	1	4.3			mg/L	0.3	2	06/08/13 0:53	aeb
Selenium, dissolved	M200.8 ICP-MS	1	0.0032			mg/L	0.0001	0.0003	06/06/13 20:20	msh
Silica, dissolved	M200.7 ICP	1	53.3			mg/L	0.4	2	06/08/13 0:53	aeb
Sodium, dissolved	M200.7 ICP	1	146			mg/L	0.3	2	06/08/13 0:53	aeb
Uranium, dissolved	M200.8 ICP-MS	1	0.0043			mg/L	0.0001	0.0005	06/06/13 20:20	msh

** Please refer to Qualifier Reports for details.*

Uranium Energy Corp
Project ID:
Sample ID: RBW3-4

ACZ Sample ID: ***L12260-02***
Date Sampled: *05/23/13 14:25*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	231		*	mg/L	2	20	05/31/13 0:00	khw
Carbonate as CaCO3		1		U	*	mg/L	2	20	05/31/13 0:00	khw
Hydroxide as CaCO3		1		U	*	mg/L	2	20	05/31/13 0:00	khw
Total Alkalinity		1	231		*	mg/L	2	20	05/31/13 0:00	khw
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-0.3			%			06/18/13 0:00	calc
Sum of Anions			17.5			meq/L	0.1	0.5	06/18/13 0:00	calc
Sum of Cations			17.4			meq/L	0.1	0.5	06/18/13 0:00	calc
Chloride	SM4500Cl-E	10	410		*	mg/L	10	50	06/11/13 14:07	bsu
Conductivity @25C	SM2510B	1	1780		*	umhos/cm	1	10	05/31/13 21:21	khw
Fluoride	SM4500F-C	1	0.5	B	*	mg/L	0.1	0.5	06/06/13 15:48	abm
Lab Filtration (0.45um) & Acidification	M200.7/200.8 (0.45um filtration)	1		H					05/30/13 12:00	jrd/mla
Lab Filtration (0.45um) & Acidification	M200.7/200.8	1							06/04/13 15:06	las
Lab Filtration (glass fiber filter)	SOPWC050	1							05/24/13 13:36	dcw
Nitrate as N, dissolved	Calculation: NO3NO2 minus NO2		0.88			mg/L	0.02	0.1	06/18/13 0:00	calc
Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1	0.88		*	mg/L	0.02	0.1	05/24/13 19:30	pjb
Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	1		U	*	mg/L	0.01	0.05	05/24/13 19:30	pjb
Nitrogen, ammonia	M350.1 - Automated Phenate	1		U	*	mg/L	0.05	0.5	06/11/13 12:57	lhb
pH (lab)	SM4500H+ B									
pH		1	7.9	H	*	units	0.1	0.1	05/31/13 0:00	khw
pH measured at		1	19.0		*	C	0.1	0.1	05/31/13 0:00	khw
Residue, Filterable (TDS) @180C	SM2540C	1	1140		*	mg/L	10	20	05/30/13 11:20	mss3
Sulfate	D516-02 - Turbidimetric	5	64		*	mg/L	5	30	06/10/13 11:20	bsu
TDS (calculated)	Calculation		1010			mg/L	10	50	06/18/13 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.13						06/18/13 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. 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, typically 5 times the MDL.
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: http://www.acz.com/public/extquallist.pdf

Uranium Energy Corp

ACZ Project ID: ***L12260***

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344726													
WG344726LCSW2	LCSW	05/31/13 17:19	WC130514-	820.0001		737.5	mg/L	89.9	90	110			
WG344726LCSW5	LCSW	05/31/13 20:54	WC130514-	820.0001		767.4	mg/L	93.6	90	110			
WG344726PBW2	PBW	05/31/13 21:03				25	mg/L		-20	20			B4 B7
L12266-02DUP	DUP	05/31/13 22:42			228	211.5	mg/L				7.5	20	
WG344726LCSW8	LCSW	06/01/13 0:35	WC130514-	820.0001		771.5	mg/L	94.1	90	110			
WG344726PBW3	PBW	06/01/13 0:45				U	mg/L		-20	20			
WG344726LCSW11	LCSW	06/01/13 3:15	WC130514-	820.0001		777.8	mg/L	94.9	90	110			
WG344726PBW4	PBW	06/01/13 3:24				U	mg/L		-20	20			
WG344726LCSW14	LCSW	06/01/13 6:53	WC130514-	820.0001		791.5	mg/L	96.5	90	110			

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05385	mg/L	107.7	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0006	0.0006			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.05005		.05252	mg/L	104.9	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.05005	.0182	.07052	mg/L	104.5	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.05005	.0182	.07264	mg/L	108.8	70	130	2.96	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05226	mg/L	104.5	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0003	0.0003			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.0501		.05192	mg/L	103.6	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.0501	U	.04785	mg/L	95.5	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.0501	U	.04979	mg/L	99.4	70	130	3.97	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	100		98.57	mg/L	98.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.6	0.6			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	67.95918		70.63	mg/L	103.9	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	67.95918	55.5	125.9	mg/L	103.6	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	67.95918	55.5	124.7	mg/L	101.8	85	115	0.96	20	

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345395													
WG345395ICB	ICB	06/11/13 13:38				U	mg/L		-3	3			
WG345395ICV	ICV	06/11/13 13:38	WI130131-1	54.945		58.2	mg/L	105.9	90	110			
WG345395LFB1	LFB	06/11/13 13:49	WI130201-8	30		30.6	mg/L	102	90	110			
WG345395LFB2	LFB	06/11/13 13:58	WI130201-8	30		30.5	mg/L	101.7	90	110			
L12260-01AS	AS	06/11/13 14:07	10XCL	30	250	278	mg/L	93.3	90	110			
L12260-02DUP	DUP	06/11/13 14:07			410	407	mg/L				0.7	20	

Uranium Energy Corp

ACZ Project ID: ***L12260***

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344726													
WG344726LCSW1	LCSW	05/31/13 17:07	PCN41764	1408.8		1444.7	umhos/cm	102.5	90	110			
WG344726LCSW4	LCSW	05/31/13 20:43	PCN41764	1408.8		1422.2	umhos/cm	101	90	110			
L12266-02DUP	DUP	05/31/13 22:42			1230	1238	umhos/cm				0.6	20	
WG344726LCSW7	LCSW	06/01/13 0:24	PCN41764	1408.8		1404.8	umhos/cm	99.7	90	110			
WG344726LCSW10	LCSW	06/01/13 3:05	PCN41764	1408.8		1392.6	umhos/cm	98.9	90	110			
WG344726LCSW13	LCSW	06/01/13 6:41	PCN41764	1408.8		1380.3	umhos/cm	98	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345065													
WG345065ICV	ICV	06/06/13 9:58	WC130523-	2.002		1.97	mg/L	98.4	95	105			
WG345065ICB	ICB	06/06/13 10:04				U	mg/L		-0.3	0.3			
WG345122													
WG345122LFB1	LFB	06/06/13 15:35	WC130313-	5.005		4.7	mg/L	93.9	90	110			
L12260-01AS	AS	06/06/13 15:41	WC130313-	5.005	.7	5.41	mg/L	94.1	90	110			
L12260-01DUP	DUP	06/06/13 15:44			.7	.63	mg/L				10.5	20	RA
WG345122LFB2	LFB	06/06/13 17:32	WC130313-	5.005		4.53	mg/L	90.5	90	110			

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	2		1.992	mg/L	99.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.06	0.06			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	1		1.02	mg/L	102	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	1	U	1.022	mg/L	102.2	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	1	U	1.01	mg/L	101	85	115	1.18	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05509	mg/L	110.2	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0003	0.0003			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.05005		.05417	mg/L	108.2	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.05005	U	.04758	mg/L	95.1	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.05005	U	.04913	mg/L	98.2	70	130	3.21	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	100		100.6	mg/L	100.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.6	0.6			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	49.99941		51.71	mg/L	103.4	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	49.99941	20.1	73.15	mg/L	106.1	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	49.99941	20.1	71.97	mg/L	103.7	85	115	1.63	20	

Uranium Energy Corp

ACZ Project ID: ***L12260***

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	2		1.9042	mg/L	95.2	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.015	0.015			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	.5		.5005	mg/L	100.1	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	.5	U	.5016	mg/L	100.3	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	.5	U	.498	mg/L	99.6	85	115	0.72	20	

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345248													
WG345248ICV	ICV	06/10/13 14:22	II130610-1	.005025		.00511	mg/L	101.7	95	105			
WG345248ICB	ICB	06/10/13 14:24				U	mg/L		-0.0002	0.0002			
WG345245													
WG345245LRB	LRB	06/10/13 15:43				U	mg/L		-0.00044	0.00044			
L12260-01LFM	LFM	06/10/13 15:57	II130515-2	.002002	U	.00158	mg/L	78.9	85	115			M2
L12260-01LFMD	LFMD	06/10/13 16:00	II130515-2	.002002	U	.00163	mg/L	81.4	85	115	3.12	20	M2
WG345245LFB	LFB	06/10/13 16:58	II130515-2	.002002		.00171	mg/L	85.4	85	115			

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	2		1.951	mg/L	97.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.06	0.06			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	.5		.5	mg/L	100	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	.5	U	.514	mg/L	102.8	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	.5	U	.505	mg/L	101	85	115	1.77	20	

Nitrate/Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344355													
WG344355ICV	ICV	05/24/13 18:39	WI130411-3	2.416		2.495	mg/L	103.3	90	110			
WG344355ICB	ICB	05/24/13 18:40				U	mg/L		-0.06	0.06			
WG344355LFB1	LFB	05/24/13 18:43	WI130215-3	2		2.076	mg/L	103.8	90	110			
WG344355LFB2	LFB	05/24/13 19:17	WI130215-3	2		2.014	mg/L	100.7	90	110			
L12253-05AS	AS	05/24/13 19:20	WI130215-3	2	U	2.061	mg/L	103.1	90	110			
L12253-06DUP	DUP	05/24/13 19:24			.08	.07	mg/L				13.3	20	RA

Nitrite as N, dissolved M353.2 - Automated Cadmium Reduction

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344355													
WG344355ICV	ICV	05/24/13 18:39	WI130411-3	.609		.607	mg/L	99.7	90	110			
WG344355ICB	ICB	05/24/13 18:40				U	mg/L		-0.03	0.03			
WG344355LFB1	LFB	05/24/13 18:43	WI130215-3	1		1.031	mg/L	103.1	90	110			
WG344355LFB2	LFB	05/24/13 19:17	WI130215-3	1		1.018	mg/L	101.8	90	110			
L12253-05AS	AS	05/24/13 19:20	WI130215-3	1	U	1.023	mg/L	102.3	90	110			
L12253-06DUP	DUP	05/24/13 19:24			U	U	mg/L				0	20	RA

Uranium Energy Corp

ACZ Project ID: ***L12260***

Nitrogen, ammonia M350.1 - Automated Phenate

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345363													
WG345363ICV	ICV	06/11/13 11:45	WI121105-5	1.003		1.007	mg/L	100.4	90	110			
WG345363ICB	ICB	06/11/13 11:48				U	mg/L		-0.15	0.15			
WG345364													
WG345364LFB1	LFB	06/11/13 12:53	WI121218-3	1		1.067	mg/L	106.7	90	110			
L12260-01AS	AS	06/11/13 12:56	WI121218-3	1	U	1.042	mg/L	104.2	90	110			
L12260-02DUP	DUP	06/11/13 12:58			U	U	mg/L				0	20	RA
WG345364LFB2	LFB	06/11/13 13:25	WI121218-3	1		1.004	mg/L	100.4	90	110			

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344726													
WG344726LCSW3	LCSW	05/31/13 17:23	PCN40853	6		6	units	100	98	102			
WG344726LCSW6	LCSW	05/31/13 20:57	PCN40853	6		6.03	units	100.5	98	102			
L12266-02DUP	DUP	05/31/13 22:42			9.3	9.22	units				0.9	20	
WG344726LCSW9	LCSW	06/01/13 0:38	PCN40853	6		6.03	units	100.5	98	102			
WG344726LCSW12	LCSW	06/01/13 3:19	PCN40853	6		6.03	units	100.5	98	102			
WG344726LCSW15	LCSW	06/01/13 6:56	PCN40853	6		6.03	units	100.5	98	102			

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	20		19.74	mg/L	98.7	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.9	0.9			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	99.97161		100.8	mg/L	100.8	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	99.97161	4.4	107.4	mg/L	103	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	99.97161	4.4	105.3	mg/L	100.9	85	115	1.97	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG344587													
WG344587PBW	PBW	05/30/13 11:00				U	mg/L		-20	20			
WG344587LCSW	LCSW	05/30/13 11:01	PCN42166	260		234	mg/L	90	80	120			
L12272-03DUP	DUP	05/30/13 11:29			1440	1436	mg/L				0.3	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05354	mg/L	107.1	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0003	0.0003			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.05005		.05087	mg/L	101.6	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.05005	.0032	.05318	mg/L	99.9	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.05005	.0032	.0548	mg/L	103.1	70	130	3	20	

Uranium Energy Corp

ACZ Project ID: ***L12260***

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	42.8		42.18	mg/L	98.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-1.2	1.2			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	21.428		22.28	mg/L	104	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	21.428	29.4	51.49	mg/L	103.1	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	21.428	29.4	51.36	mg/L	102.5	85	115	0.25	20	

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345201													
WG345201ICV	ICV	06/08/13 0:22	II130510-1	100		98.61	mg/L	98.6	95	105			
WG345201ICB	ICB	06/08/13 0:28				U	mg/L		-0.9	0.9			
WG345201LFB	LFB	06/08/13 0:41	II130524-3	100.0416		100.6	mg/L	100.6	85	115			
L12260-01AS	AS	06/08/13 0:47	II130524-3	100.0416	227	325.8	mg/L	98.8	85	115			
L12260-01ASD	ASD	06/08/13 0:50	II130524-3	100.0416	227	325.1	mg/L	98.1	85	115	0.22	20	

Sulfate D516-02 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345269													
WG345269ICB	ICB	06/10/13 8:03				U	mg/L		-3	3			
WG345269ICV	ICV	06/10/13 8:03	WI130605-1	20		19.9	mg/L	99.5	90	110			
WG345269LFB	LFB	06/10/13 11:12	WI130416-3	9.99		10.6	mg/L	106.1	90	110			
L12260-01DUP	DUP	06/10/13 11:18			102	103.6	mg/L				1.6	20	
L12260-02AS	AS	06/10/13 11:20	SO4TURB5	10	64	75.3	mg/L	113	90	110			M1

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG345087													
WG345087ICV	ICV	06/06/13 20:06	MS130416-2	.05		.05282	mg/L	105.6	90	110			
WG345087ICB	ICB	06/06/13 20:10				U	mg/L		-0.0003	0.0003			
WG345087LFB	LFB	06/06/13 20:13	MS130508-1	.05		.05247	mg/L	104.9	85	115			
L12260-02AS	AS	06/06/13 20:23	MS130508-1	.05	.0043	.05857	mg/L	108.5	70	130			
L12260-02ASD	ASD	06/06/13 20:26	MS130508-1	.05	.0043	.06039	mg/L	112.2	70	130	3.06	20	

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

Uranium Energy Corp ACZ Project ID: ***L12260***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12260-01	WG345245	Mercury, dissolved	M245.1 CVAA	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG344726	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345395	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344726	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345122	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344355	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345364	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG344587	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345269	Sulfate	D516-02 - Turbidimetric	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG344726	Total Alkalinity	SM2320B - Titration	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
			SM2320B - Titration	Q6	Sample was received above recommended temperature.

Uranium Energy Corp ACZ Project ID: ***L12260***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12260-02	WG345245	Mercury, dissolved	M245.1 CVAA	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG344726	Bicarbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
		Carbonate as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG345395	Chloride	SM4500Cl-E	Q6	Sample was received above recommended temperature.
	WG344726	Conductivity @25C	SM2510B	Q6	Sample was received above recommended temperature.
	WG345122	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
			SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	Hydroxide as CaCO3	SM2320B - Titration	Q6	Sample was received above recommended temperature.
	WG344355	Nitrate/Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Nitrite as N, dissolved	M353.2 - Automated Cadmium Reduction	Q6	Sample was received above recommended temperature.
			M353.2 - Automated Cadmium Reduction	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG345364	Nitrogen, ammonia	M350.1 - Automated Phenate	Q6	Sample was received above recommended temperature.
			M350.1 - Automated Phenate	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
	WG344726	pH	SM4500H+ B	Q6	Sample was received above recommended temperature.
		pH measured at	SM4500H+ B	Q6	Sample was received above recommended temperature.
	WG344587	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
	WG345269	Sulfate	D516-02 - Turbidimetric	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02 - Turbidimetric	Q6	Sample was received above recommended temperature.
	WG344726	Total Alkalinity	SM2320B - Titration	B4	Target analyte detected in blank at or above the acceptance criteria.
			SM2320B - Titration	Q6	Sample was received above recommended temperature.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW3-3
Locator:

ACZ Sample ID: ***L12260-01***
Date Sampled: *05/23/13 13:25*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/17/13 0:02		0.12	0.07	0.05	pCi/L	*	mhm

** Please refer to Qualifier Reports for details.*

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RadioChemistry Analytical Results

Uranium Energy Corp
Project ID:
Sample ID: RBW3-4
Locator:

ACZ Sample ID: ***L12260-02***
Date Sampled: *05/23/13 14:25*
Date Received: *05/24/13*
Sample Matrix: *Ground Water*

Radium 226, dissolved
M903.1

Prep Method:

Parameter	Measure Date	Prep Date	Result	Error(+/-)	LLD	Units	XQ	Analyst
Radium 226, dissolved	06/13/13 8:18		0.39	0.11	0.15	pCi/L		mla

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: http://www.acz.com/public/extquallist.pdf

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Radiochemistry QC Summary

Uranium Energy Corp

ACZ Project ID: ***L12260***

Radium 226, dissolved M903.1 **Units:** pCi/L

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Error	LLD	Found	Error	LLD	Rec	Lower	Upper	RPD/RER	Limit	Qual
WG345624																
WG344767PBW	PBW	06/13/13						-.01	0.07	0.09			0.18			
WG344767LCSW	LCSW	06/13/13	RC130227-2	23.92				19	0.46	0.06	79.4	43	148			
L12230-01DUP	DUP-RER	06/13/13			0.34	0.09	0.08	.34	0.07	0.07				0	2	
L12294-01DUP	DUP-RER	06/13/13			0.15	0.06	0.08	.07	0.09	0.2				0.74	2	
L12231-02MS	MS	06/13/13	RC130227-2	23.92	1.1	0.16	0.18	22	0.51	0.14	87.4	43	148			
WG345832																
WG344950PBW	PBW	06/17/13						.05	0.06	0.08			0.16			
WG344950LCSW	LCSW	06/17/13	RC130227-2	23.92				23	0.48	0.13	96.2	43	148			
L12260-01DUP	DUP-RER	06/17/13			0.12	0.07	0.05	.13	0.05	0.09				0.12	2	
L12427-01DUP	DUP-RER	06/17/13			1.5	0.15	0.1	1.6	0.15	0.25				0.47	2	
L12266-01MS	MS	06/17/13	RC130227-2	23.92	59	0.81	0.11	62	0.76	0.07	12.5	43	148			M2

ACZ Laboratories, Inc.
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RadChem Extended Qualifier Report

Uranium Energy Corp

ACZ Project ID: ***L12260***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L12260-01	WG345832	Radium 226, dissolved	M903.1	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.

Certification Qualifiers

Uranium Energy Corp ACZ Project ID: ***L12260***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12260
Date Received: 05/24/2013 10:12
Received By: ksj
Date Printed: 5/28/2013

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody 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 complete and accurate?	X		
7) Were any changes made to the Chain of Custody 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	

L12260-01 Container B1337005: A label was not present on the sample containers, but was present on the sample bag.

L12260-01 Container B1337006: A label was not present on the sample containers, but was present on the sample bag.

L12260-01 Container B1337007: A label was not present on the sample containers, but was present on the sample bag.

L12260-02 Container B1337009: A label was not present on the sample containers, but was present on the sample bag.

L12260-02 Container B1337011: A label was not present on the sample containers, but was present on the sample bag.

L12260-02 Container B1337012: A label was not present on the sample containers, but was present on the sample bag.

10) Do the sample labels and Chain of Custody match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits?	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		

Chain of Custody Related Remarks

Client Contact Remarks

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Uranium Energy Corp

ACZ Project ID: L12260
Date Received: 05/24/2013 10:12
Received By: ksj
Date Printed: 5/28/2013

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/Hr)	Custody Seal Intact?
NA17663	14.5	21	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

L12260

ACZ Laboratories, Inc.

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

CHAIN of CUSTODY

Report to:

Name: Craig Wall
Company: UEC
E-mail: cwall@uraniumenergy.com

Address: 500 N. Shoreline Blvd. Ste 800N Corpus Christi, TX 78401
Telephone: 361 888 8235

Copy of Report to:

Name: AJ Hecker
Company: UEC

E-mail: ahecker@uraniumenergy.com
Telephone: 361 888 8235

Invoice to:

Name: Katie Parsons
Company: UEC
E-mail: kparsons@uraniumenergy.com

Address: 500 N. Shoreline Blvd. Ste 800N - Corpus Christi, TX 78401
Telephone: 361 888 8235

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 [X] 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 SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: AJ Hecker **Sampler's site Information** **State:** TX **Zip code** 78401 **Time Zone** Central

Check box if observe Daylight Savings Time [X]

PROJECT INFORMATION

Quote #:
PO#:
Reporting state for compliance testing: TX
Check box if samples include NRC licensed material? [ ]

ANALYSES REQUESTED (attach list or use quote number)

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	TCEQ 20370
RBW 3-3	5/23/13 1:25 PM	GW	4	X
RBW 3-4	5/23/13 2:26 PM	GW	4	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
AJ Hecker	5/23/13 5:00pm		5.24.13 10

FRMAD050.12.12.12 White - Return with sample. Yellow - Retain for your records.

L12260 Chain of Custody

Uranium Energy Corp

August 27, 2015

Texas Commission on Environmental Quality
Attn: Charles Maguire
Mail Code 233
12100 Park 35 Circle Building F
Austin, TX 78753

Re: Burke Hollow Groundwater Sample Quality

Mr. Maguire,

At the request and concern of TCEQ, please find two memos explaining how water samples are assessed and validated for quality assurance. Both memos explain that the cation-anion balance and the comparison between measured TDS and calculated TDS have acceptance criteria for determining the quality of the sample and that quality is not based on the temperature of the sample when it is received at the lab.

All samples collected at the Burke Hollow site were iced down after being collected and were overnighted to the 3rd party lab to ensure quality analysis. Despite the samples not meeting the recommended temperature at the time of delivery, the samples were chilled significantly from ambient temperatures and all samples were well within the acceptance criteria indicating excellent water quality assessments. It is important to note that if the sample temperature would have had a negative effect on the analysis, the cation-anion balance and TDS ratios would not have fallen within the acceptance criteria as they did.

If you have any more questions or would like to discuss this further, please contact me at your convenience.

Sincerely,

R. Craig Wall

R. Craig Wall
V.P. EH&S

Attachment: 1 ACZ Sample Temperature Memo
2 R&D Memo for Sample Temperature

500 N. Shoreline Blvd, Ste 800N
Corpus Christi, TX 78401

Tel: (361) 888-8235
Fax: (361) 888-5041

www.uraniumenergy.com

ACZ Laboratories, Inc.

Craig Wall, V.P. EH&S
Uranium Energy Corp.

08/19/2015

Craig,

I've attached a spreadsheet detailing the associated cation-anion balance, dissolved solids measured and calculated, and the ratio between these two.

The cation-anion balance acceptance criteria for that level of anion sum (> 10 meq/L) is < 10 %. All of these sample are < 5% difference, indicating excellent overall water quality relationships. The comparison between the measured TDS and the calculated version (sum of the different measured tests, i.e. Ca, Mg, Alk, etc) are all < 10%. Typical acceptance criteria for that statistic is 20%, again indicating excellent water quality assessment.

In my +30 yrs experience I've never had a regulatory agency 'reject' data out of hand based on exceedence of the 'recommended' temperature criteria. This would include the EPA, the DOE's UMTRA Program and various state agencies in the Western US. Of course, that recommendation is only applicable to the non-metals and not either the metals or radiochemistry analysis. This is a small subset of the entire data sets. If there were any significant deviation in the analysis of these tests due to such slight temperatures exceedances we would see issues with unacceptable cation-anion balances and TDS ratios.

In reviewing the sample receipt forms, it appears that the samples were iced and received via overnight shipment. I believe every reasonable effort was made to get them delivered within the temperature range (0-6 C). In most cases, the temperature upon receipt was just elevated above that range.

Hope this helps.

S. Haber

Scott Habermehl
Vice President - Project Management

ACZ Laboratories, Inc.
2773 Downhill Drive
Steamboat Springs, CO 80487
800-334-5493 (x101) or 970-879-6590 (x101)
Fax: 815-301-3857
scotth@acz.com

Lab Number	Cation-Anion Balance	Dissolved Solids (TDS)	TDS Calculated	TDS Ratio
L16529-01	4.0	740	677	1.09
L16529-02	-3.7	780	802	0.97
L16529-03	-4.0	760	754	1.01
L16936-01	-3.7	780	825	0.95
L16937-01	-4.8	620	639	0.97
L16937-02	0.0	610	654	0.93
L12266-01	5.8	610	648	0.94
L12266-02	-1.7	690	723	0.95
L12266-03	0.5	590	615	0.96
L12231-01	-0.6	1060	1050	1.01
L12231-02	-1.4	820	841	0.98
L12231-03	0.4	690	705	0.98
L12862-01	-0.9	830	936	0.94
L12862-02	2.9	680	719	0.95
L12455-01	3.1	570	578	0.99
L12455-02	-0.4	710	728	0.98
L12455-03	-1.5	760	758	1.00
L12473-01	-2.8	690	725	0.95
L12473-02	0.0	710	647	1.10
L12473-03	4.0	700	767	0.91
L12512-01	-2.3	1410	1410	0.00
L12512-02	-4.2	690	716	0.96
L12512-03	-3.4	1000	1040	0.96
L12124-01	-4.2	780	776	1.01
L12124-02	-5.0	610	585	1.04
L12260-01	0.3	840	848	0.99
L12260-02	-0.3	1140	1010	1.13

R AND D ENTERPRISES, INC.
PROVIDING ENVIRONMENTAL AND TECHNICAL SOLUTIONS
4495 SQUAW CREEK RD (82604) • P.O. BOX 3321 • CASPER, WY 82602
LAND 307.237.4188 • CELL 307.277.3861 • WWW.RDEINC.BIZ • RAGARLING@RDEINC.BIZ • SAGARLING@RDEINC.BIZ

Transmitted via email to: cwall@uraniumenergy.com

DATE: August 23, 2015
TO: Craig Wall/Uranium Energy Corporation (UEC)
FROM: R.A. Garling and Sheryl Garling
RE: Water Sample Stability

R and D Enterprises, Inc. (RDE) has reviewed the issue of a contract analytical laboratory receiving non acid preserved samples above the "recommended" temperature (2°C - 6°C; 35.6°F - 42.8°F) for your Burke Hollow Project, and concluded that the data set has not been seriously compromised

The following provides regulatory citations and technical support regarding analytical services performed on samples received above a recommended temperature of 4°± 2° C (2°C - 6°C; 35.6°F - 42.8°F).

U.S. EPA produced the following references; *Sampling and Sample Preservation of Water and Wastewater*, EPA-600/4-82-029, September 1982, and *Methods for Chemical Analysis of Water and Wastes*, EPA/600/4-79/020, March 1983, which identifies their research, guidance and recommendations for proper sampling and preservations techniques. The following excerpt is from Chapter 17 Sample Preservation and Introduction, respectively:

1. **TABLE 1 RECOMMENDATION FOR SAMPLING AND PRESERVATION OF SAMPLES, ARRANGED ACCORDING TO MEASUREMENT** (Table 1 was not reproduced and can be located in referenced documents)

   Complete and unequivocal preservation of samples, either domestic sewage, industrial wastes, or natural waters, is a practical impossibility. Regardless of the nature of the sample, complete stability for every constituent can never be achieved. At best, preservation techniques can only retard the chemical and biological changes that inevitably continue after the sample is removed from the parent source. The changes that take place in a sample are either chemical or biological. In the former case, certain changes occur in the chemical structure of the constituents that are a function of physical conditions. Metal cations may precipitate as hydroxides or form complexes with other constituents; cations or anions may change valence states under certain reducing or oxidizing conditions; other constituents may dissolve or volatilize with the passage of time. Metal cations may also adsorb onto surfaces (glass, plastic, quartz, etc.), such as, iron and lead. Biological changes taking place in a sample may change the valence of an element or a radical to a different valence. Soluble constituents may be converted to organically bound materials in cell structures, or cell lysis may result in release of cellular material into solution. The well known nitrogen and phosphorus cycles are examples of biological influence on sample composition. Therefore, as a general rule, it is best to analyze the samples as soon as possible after collection. This is especially true when the analyze concentration is expected to be in the low ug/1 range.

   Methods of preservation are relatively limited and are intended generally to (1) retard biological action, (2) retard hydrolysis of chemical compounds and complexes, (3) reduce volatility of constituents, and (4) reduce absorption effects. Preservation methods are generally limited to pH control, chemical addition, refrigeration, and freezing.

2. NATIONAL ENVIRONMENTAL LABORATORY ACCREDITATION CONFERENCE (NELAC)

2.1. NELAC .5.8.3.1 Sample Receipt Protocols

a) All items specified in 5.5.8.3.2 below shall be checked.

1) All samples which require thermal preservation shall be considered acceptable if the arrival temperature is either within 2°C of the required temperature or the method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above the freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered to the laboratory on the same day collected may not meet these criteria. In these cases, the samples shall be considered acceptable if there is evidence that the chilling process has begun such as arrival on ice.

2.2. NELAC Quality Systems5.5.8.3.1 Sample Receipt Protocols

c) If the sample does not meet the sample receipt acceptance criteria listed in this standard, the laboratory shall either:

1) retain correspondence and/or records of conversations concerning the final disposition of rejected samples; or

2) fully document any decision to proceed with the analysis of samples not meeting acceptance criteria.

i. The condition of these samples shall, at a minimum, be noted on the chain of custody or transmittal form and laboratory receipt documents.

ii. The analysis data shall be appropriately "qualified" on the final report.

3. STANDARD METHODS (SM)FOR THE EXAMINATION OF WATER AND WASTEWATER, 20TH EDITION, METHOD 1030 E. CHECKING FOR CORRECTNESS OF ANALYSES

3.1. 1. Anion-Cation Balance (see formula, below), typical criteria for acceptance are as follows:

Anion Sum meq/L	Acceptable Difference
0-3.0	0.2 meq/L
3.0-10.0	± 2%
10.0-800	5%

3.2. 2. Measured TDS = Calculated TDS

$$< 1 \frac{\text{measured TDS}}{\text{calculated TDS}} < 1.2$$

3.3. Conductance, SM 120.1 (Specific Conductance, umhos at 25°C)

Allow samples to come to room temperature (23 to 27°C), if possible…

3.4. Alkalinity, SM 2320 B.

….titrate at room temperature with a properly calibrated pH meter or electrically operated titrator…

As noted by ACZ, anion/cation balances, for the sample set were within the acceptance criteria of ±5%, which is defined as:

$$\frac{\text{Sum Cations meq} - \text{Sum Anions meq}}{\text{Sum Cations meq} + \text{Sum Anions meq}} \times 100\%$$

Anionic species typically include Alkalinity (HCO_3, CO_3, OH), Chloride (Cl), Sulfate (SO_4), Nitrate/Nitrite as Nitrogen (NO_2+NO_3 as N) and Fluoride (F) in groundwater or surface water environmental samples. With the exception of NO_2+NO_3 as N, these ionic species do not call for chemical preservation during sample transportation. Electrical conductance (EC), pH, and Total Dissolved Solids (TDS) similarly do not require chemical preservation. Conductance and pH are typically measured in the field at the time of sampling and should be reported as "Field Parameters" by the outside contract laboratory.

Cationic major species include Calcium (Ca), Magnesium (Mg), Sodium (Na), Potassium (K), Iron (Fe) and Manganese (Mg). Trace metals from Aluminum (Al) to Zinc (Zn) are also cationic, but usually are not significant in the cationic meq sum. Cationic species are typically nitric acid preserved in the field (to pH <2.0 s.u.) at the time of sampling.

In order for the anion/cation balance to meet recommended acceptable criteria (±5%), both the unpreserved anionic specie sample split and the nitric acid preserved cationic sample split need to be representative of the water at the point of sampling. Degradation of the unpreserved sample split due to biological or other conditions, would typically produce a balance of > +5% (from diminished anionic species in the unpreserved sample splits). In the case of the referenced samples sets the mean Cation-Anion Balance averaged (n=29 samples) -0.89% ± 2.93% (minimum 0.0% - maximum 5.8%).

Variances between individual sample anionic balances, even those shipped in the same containers, are attributable to laboratory analysis variation or "error", in that a minimum of 7 separate analytes are required to perform the balance.

Likewise, the TDS "Balance" or "Ratio" is based on calculating (see formula, above) analytical results from unpreserved samples (anions) to chemically preserved samples (cations). If unpreserved samples are compromised relative to acidified cationic species, the TDS ratio would potentially fail the 0.8 to 1.2 criteria. In the case of the referenced sample sets, the TDS ratio was (n=29 samples) 0.978 ± 0.052.

Base on the foregoing, RDE concludes that the acceptability of the AZC analytical data was not compromised by sample receipt temperatures exceeding recommended criteria. It should be noted that only non-acidified/non preserved sample splits could be affected by temperature variances.

Appendix F

Baseline Well Completion Reports

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW1-1
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 5.625 "
CASING DIAMETER 6 " SDR-17
REAMED DIAMETER 9.87 "

DATE 4/17/2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED ____ TAKEN ____

COMMENTS

TAGGED TOP OF J ____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	215	FT.
UNDER-REAMED INTERVAL	185	FT.
	205	FT.
DRILLED T.D. *	220	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	175.25	178.00
STEEL BLANK		7	178.00	185.00
SCREEN		20	185.00	205.00
	3" Casing PVC			
SAND TRAP		5	205.00	210.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW1-2
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 5.625 "
CASING DIAMETER 6 " SDR-17
REAMED DIAMETER 9.87 "

DATE 4/23/2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED ____ TAKEN ____

COMMENTS

TAGGED TOP OF J ____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 4.5
BLADE 12

CASING T.D.	400	FT.
UNDER-REAMED INTERVAL	360	FT.
	380	FT.
DRILLED T.D. *	410	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	350.25	353.00
STEEL BLANK		7	353.00	360.00
SCREEN		20	360.00	380.00
	3" Casing PVC			
SAND TRAP		5	380.00	385.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW1-3
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 6.130 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE March 18, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE SLOT 0.025

GRAVEL

SIZE NA
SACKS CALCULATED TAKEN

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	410	FT.
UNDER-REAMED INTERVAL	410	FT.
	447	FT.
DRILLED T.D. *	480	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	402.25	405.00
STEEL BLANK		7	405.00	412.00
SCREEN		30	412.00	442.00
SAND TRAP		5	442.00	447.00
3" PVC				

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW1-4
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 6.130 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE March 15, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE SLOT 0.025

GRAVEL

SIZE NA
SACKS CALCULATED TAKEN

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	230	FT.
UNDER-REAMED INTERVAL	230	FT.
	267	FT.
DRILLED T.D. *	300	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	222.25	225.00
STEEL BLANK		7	225.00	232.00
SCREEN		30	232.00	262.00
SAND TRAP		5	262.00	267.00
3" PVC				

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW1-5
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 6.130 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE March 14, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE SLOT 0.025

GRAVEL

SIZE NA
SACKS CALCULATED TAKEN

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	120	FT.
UNDER-REAMED INTERVAL	120	FT.
	147	FT.
DRILLED T.D. *	160	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	112.25	115.00
STEEL BLANK		7	115.00	122.00
SCREEN		20	122.00	142.00
SAND TRAP		5	142.00	147.00
3" PVC				

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW2-1A
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875 "
CASING DIAMETER 5 " SDR17
REAMED DIAMETER 8.75 "

DATE May 17, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well scree SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	470	FT.
UNDER-REAMED INTERVAL	450	FT.
	460	FT.
DRILLED T.D. *	480	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	3.8	432.20	436.00
STEEL BLANK	2, 7' steel blanks	14	436.00	450.00
SCREEN		10	450.00	460.00
	3" Casing PVC			
SAND TRAP		5	465.00	470.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW2-2
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 6.130 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE March 26, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE
SACKS CALCULATED TAKEN

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	340	FT.
UNDER-REAMED INTERVAL	340	FT.
	368	FT.
DRILLED T.D. *	380	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar, K-Packer, Steel Nipple, K-Packer	2.75	332.25	335.00
STEEL BLANK		7	335.00	342.00
SCREEN		25	342.00	367.00
SAND TRAP	3" PVC w/ endcap	5	367.00	372.00

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW2-3
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 6.130 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE March 26, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE
SACKS CALCULATED TAKEN

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	210	FT.
UNDER-REAMED INTERVAL	212	FT.
	242	FT.
DRILLED T.D. *	260	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	202.25	205.00
STEEL BLANK		7	205.00	212.00
SCREEN		25	212.00	237.00
SAND TRAP	3" PVC w/ endcap	5	237.00	242.00

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW2-4A
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875 "
CASING DIAMETER 5.6 "
REAMED DIAMETER 11 "

DATE May 5, 2013
FIELD SUPV. UEC
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE N/A
SACKS CALCULATED ____ TAKEN ____

COMMENTS

TAGGED TOP OF J ____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	290	FT.
UNDER-REAMED INTERVAL	292	FT.
	302	FT.
DRILLED T.D. *	305	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	282.25	285.00
STEEL BLANK		7	285.00	292.00
SCREEN		10	292.00	302.00
PVC BLANK		5	302.00	307.00
3" PVC w endcap				

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW2-5
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 6.130 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE April 4, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	140	FT.
UNDER-REAMED INTERVAL	142	FT.
	167	FT.
DRILLED T.D. *	175	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	132.25	135.00
STEEL BLANK		7	135.00	142.00
SCREEN		20	142.00	162.00
PVC BLANK 3" PVC w endcap		5	162.00	167.00

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW3-1
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 5.650 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE March 21, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	385	FT.
UNDER-REAMED INTERVAL	385	FT.
	422	FT.
DRILLED T.D. *	480	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	377.25	380.00
STEEL BLANK		7	380.00	387.00
SCREEN		30	387.00	417.00
	3" Casing PVC			
SAND TRAP		5	417.00	422.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW3-2
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE March 20, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	300	FT.
UNDER-REAMED INTERVAL	300	FT.
	337	FT.
DRILLED T.D. *	380	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar, K-Packer, Steel Nipple, K-Packer	2.75	292.25	295.00
STEEL BLANK		7	295.00	302.00
SCREEN		30	302.00	332.00
	3" Casing PVC			
SAND TRAP		5	332.00	337.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW3-3
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE March 22, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	230	FT.
UNDER-REAMED INTERVAL	230	FT.
	267	FT.
DRILLED T.D. *	300	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	222.25	225.00
STEEL BLANK		7	225.00	232.00
SCREEN		30	232.00	262.00
	3" Casing PVC			
SAND TRAP		5	262.00	267.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW3-4
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE March 19, 2013
FIELD SUPV. UEC
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	120	FT.
UNDER-REAMED INTERVAL	120	FT.
	157	FT.
DRILLED T.D. *	160	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	112.25	115.00
STEEL BLANK		7	115.00	122.00
SCREEN		30	122.00	152.00
	3" Casing PVC			
SAND TRAP		5	152.00	157.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW4-1
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 11 "

DATE March 4, 2013
FIELD SUPV. UEC
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE SLOT 0.025

GRAVEL

SIZE EIGHT SIXTEENTHS
SACKS CALCULATED 5 TAKEN 11

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	420	FT.
UNDER-REAMED INTERVAL	420	FT.
	447	FT.
DRILLED T.D. *	480	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	412.25	415.00
STEEL BLANK		7	415.00	422.00
SCREEN		20	422.00	442.00
SAND TRAP		5	442.00	447.00

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW4-2
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.785 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE April 24, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well scree SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	375	FT.
UNDER-REAMED INTERVAL	385	FT.
	400	FT.
DRILLED T.D. *	440	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	3.8	367.20	371.00
STEEL BLANK	2, 7' steel blanks	14	371.00	385.00
SCREEN		10	385.00	395.00
	3" Casing PVC			
SAND TRAP		5	395.00	400.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW4-3
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE April 5, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Martinez Exploraiton

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	210	FT.
UNDER-REAMED INTERVAL	210	FT.
	232	FT.
DRILLED T.D. *	240	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar, K-Packer, Steel Nipple, K-Packer	2.75	204.25	207.00
STEEL BLANK		7	207.00	212.00
SCREEN		15	212.00	227.00
	3" Casing PVC			
SAND TRAP		5	227.00	232.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW4-4
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE April 15, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Martinez Exploraiton

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screei SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	270	FT.
UNDER-REAMED INTERVAL	270	FT.
	297	FT.
DRILLED T.D. *	300	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	262.25	265.00
STEEL BLANK		7	265.00	272.00
SCREEN		20	272.00	292.00
	3" Casing PVC			
SAND TRAP		5	292.00	297.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW4-5
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875"
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE April 4, 2013
FIELD SUPV. Eric Waite
CONTRACTOR Martinez Exploraiton

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well scree SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	165	FT.
UNDER-REAMED INTERVAL	167	FT.
	192	FT.
DRILLED T.D. *	190	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	157.25	160.00
STEEL BLANK		7	160.00	167.00
SCREEN		20	167.00	187.00
	3" Casing PVC			
SAND TRAP		5	187.00	190.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW5-1
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 6.125 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE 4/04/2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 4.5
BLADE 12

CASING T.D.	490	FT.
UNDER-REAMED INTERVAL	492	FT.
	517	FT.
DRILLED T.D. *	540	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	482.25	485.00
STEEL BLANK		7	485.00	492.00
SCREEN		25	492.00	517.00
	3" Casing PVC			
SAND TRAP		5	517.00	522.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW 5-2B
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.875 "
CASING DIAMETER 5 " SDR17
REAMED DIAMETER 8.75 "

DATE 6/6/2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

	REAMED CONE BLADE
CASING T.D.	455
UNDER-REAMED INTERVAL	435
	445
DRILLED T.D. *	470

LINER MEASUREMENTS

		FEET	FROM
	J-Collar		
TOP ASS'Y	K-Packer Steel Nipple K-Packer	2.75	425.25
STEEL BLANK		7	428.00
SCREEN		10	435.00
	3" Casing PVC		
SAND TRAP		5	445.00
	3" End Cap PVC		

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW5-3
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 6.13 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE 4/11/2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	200	FT.
UNDER-REAMED INTERVAL	202	FT.
	222	FT.
DRILLED T.D. *	240	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	192.25	195.00
STEEL BLANK		7	195.00	202.00
SCREEN		20	202.00	222.00
	3" Casing PVC			
SAND TRAP		5	222.00	227.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW5-4
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.79 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE 4/12/2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well scree SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	245	FT.
UNDER-REAMED INTERVAL	247	FT.
	267	FT.
DRILLED T.D. *	280	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	237.25	240.00
STEEL BLANK		7	240.00	247.00
SCREEN		20	247.00	267.00
	3" Casing PVC			
SAND TRAP		5	267.00	272.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER RBW5-5
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 7.79 "
CASING DIAMETER 5 " SDR-17
REAMED DIAMETER 8.75 "

DATE 4/09/2013
FIELD SUPV. Eric Waite
CONTRACTOR Cinco E

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well scree SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J _____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	125	FT.
UNDER-REAMED INTERVAL	127	FT.
	142	FT.
DRILLED T.D. *	160	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	117.25	120.00
STEEL BLANK		7	120.00	127.00
SCREEN		15	127.00	142.00
	3" Casing PVC			
SAND TRAP		5	142.00	147.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER BH 148.0-386.0
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 5.625 "
CASING DIAMETER 5-inch SDR-17
REAMED DIAMETER 8.75 "

DATE 1/21/2014
FIELD SUPV. Eric Waite
CONTRACTOR Martinez Exploration

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED _____ TAKEN _____

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	220	FT.
UNDER-REAMED INTERVAL	190	FT.
	200	FT.
DRILLED T.D. *	420	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar, K-Packer, Steel Nipple, K-Packer	2.75	180.25	183.00
STEEL BLANK		7	183.00	190.00
SCREEN		10	190.00	200.00
	3" Casing PVC			
SAND TRAP		5	200.00	205.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER BH 148.6-339.9
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 5.625 "
CASING DIAMETER 5-inch SDR-17
REAMED DIAMETER 8.75 "

DATE 12/19/2013
FIELD SUPV. Eric Waite
CONTRACTOR Martinez Exploration

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED ____ TAKEN ____

COMMENTS

TAGGED TOP OF J ____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	210	FT.
UNDER-REAMED INTERVAL	190	FT.
	200	FT.
DRILLED T.D. *	230	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar, K-Packer, Steel Nipple, K-Packer	2.75	179.25	182.00
STEEL BLANK		7	182.00	189.00
SCREEN		10	189.00	199.00
	3" Casing PVC			
SAND TRAP		5	199.00	204.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER BH 149.0-356.0
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 5.625 "
CASING DIAMETER 5-inch SDR-17
REAMED DIAMETER 8.75 "

DATE 1/7/2014
FIELD SUPV. Eric Waite
CONTRACTOR Martinez Exploration

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED ____ TAKEN ____

COMMENTS

TAGGED TOP OF J ____

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	220	FT.
UNDER-REAMED INTERVAL	190	FT.
	200	FT.
DRILLED T.D. *	220	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	180.25	183.00
STEEL BLANK		7	183.00	190.00
SCREEN		10	190.00	200.00
	3" Casing PVC			
SAND TRAP		5	200.00	205.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER BH 163.5-385.5
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 5.625 "
CASING DIAMETER 5-inch SDR-17
REAMED DIAMETER 8.75 "

DATE 1/27/2014
FIELD SUPV. Eric Waite
CONTRACTOR Martinez Exploration

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED TAKEN

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	240	FT.
UNDER-REAMED INTERVAL	200	FT.
	215	FT.
DRILLED T.D. *	420	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar, K-Packer, Steel Nipple, K-Packer	2.75	189.25	192.00
STEEL BLANK		7	192.00	199.00
SCREEN		15	199.00	214.00
	3" Casing PVC			
SAND TRAP		5	214.00	219.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER BH 157.7-376.0
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 5.625 "
CASING DIAMETER 5-inch SDR-17
REAMED DIAMETER 8.75 "

DATE 1/15/2014
FIELD SUPV. Eric Waite
CONTRACTOR Martinez Exploration

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED ____ TAKEN ____

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	220	FT.
UNDER-REAMED INTERVAL	195	FT.
	210	FT.
DRILLED T.D. *	230	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar K-Packer Steel Nipple K-Packer	2.75	181.25	184.00
STEEL BLANK		7	184.00	191.00
SCREEN		15	191.00	206.00
	3" Casing PVC			
SAND TRAP		5	206.00	211.00
	3" End Cap PVC			

COMPLETION AND RECOMPLETION REPORT

WELL NUMBER BH 143.2-360.0
LEASE Burke Hollow
AREA Burke Hollow, Bee County
HOLE DIAMETER 5.625 "
CASING DIAMETER 5-inch SDR-17
REAMED DIAMETER 8.75 "

DATE 2/5/2014
FIELD SUPV. Eric Waite
CONTRACTOR Martinez Exploration

LINER DATA

PACKER TYPE Fig. K NUMBER 2
LINER DIAMETER 3 "
SCREEN TYPE Johnson Slotted PVC well screen SLOT 10

GRAVEL

SIZE NA
SACKS CALCULATED TAKEN

COMMENTS

TAGGED TOP OF J

USEFUL DATA

HOLE MEASUREMENTS

REAMER:
CONE 3.5
BLADE 11

CASING T.D.	230	FT.
UNDER-REAMED INTERVAL	195	FT.
	205	FT.
DRILLED T.D. *	240	FT.

LINER MEASUREMENTS

		FEET	FROM	TO
TOP ASS'Y	J-Collar, K-Packer, Steel Nipple, K-Packer	2.75	185.25	188.00
STEEL BLANK		7	188.00	195.00
SCREEN		10	195.00	205.00
	3" Casing PVC			
SAND TRAP		5	205.00	210.00
	3" End Cap PVC			

Uranium Energy Corp

Burk Hollow Hydrology Study for Proposed Wellfield No. 1, Wellfield No. 2, and Wellfield No. 3

CONSULTANTS CONSTRUCTORS
ENGINEERING

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BHP ENGINEERING & CONSTRUCTION, L.P.

OIL & GAS • REFINING • CHEMICAL • POWER • WATER/WASTEWATER • INFRASTRUCTURE

F-1717

DATE: February 1, 2013

TO: Mr. Craig Wall
Uranium Energy Corp
500 North Shoreline
Ste. 800N
Corpus Christi, TX 78401

Dear Mr. Wall,

As requested BHP Engineering and Construction, L.P. has performed hydrological calculations for rainfall events of 25yr / 24-hour and 100yr / 24-hour for proposed Wellfields Nos. 1, 2, and 3 at the Burk Hollow Mining Site, in Bee County, Texas.

The basis for the design calculations include the use of a 1-ft contour map of the proposed site that was generated using Carlson software from USGS 7.5 minute series topographic maps.

The following is a summary of specific TCEQ items required for review:

- Wellhead heights that are not within the vicinity of peak flows and associated depths of water (under peak flow conditions) should be a minimum of 12 inches above grade.

- Wellheads, rack equipment, and branch lines are recommended not be placed in the vicinity of peak flows/depths (Cross-Hatched Area on Attached Plan Drawings). If equipment or piping must be placed in these areas specific engineered support modifications will be required.

- Maximum water flow depth at the peak flow paths in the proposed wellfield area for a 25-year rainfall return period is approximately ranges from 16.8 to 23.4 inches.

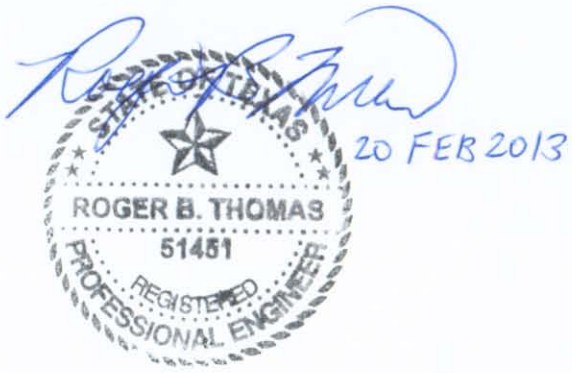
- Maximum water flow depth at the peak flow paths in the proposed wellfield area for a 100-year rainfall return period is approximately ranges from 19.2 to 27.0 inches.

- Anchors and additional supports will need to be installed at portions of the pipeline that intersect the peak flows/depths.

This letter is a summary and endorsement of the attached report and attachments. After review, do not hesitate to contact myself by email at john.ford@bhpeng.com or calling: 361-693-6216.

Sincerely,





John C. Ford III, P.E.
Civil / Structural Engineer

Roger B. Thomas, P.E.
Civil / Structural Engineer

BHP Engineering & Construction, LP.
715 Oak Park Avenue
Corpus Christi, Texas 78408

1.0 Introduction

As requested BHP Engineering and Construction, L.P. has performed hydrological calculations for rainfall events of 25yr / 24-hour and 100yr / 24-hour for proposed Wellfields Nos. 1, 2, and 3 at the Burk Hollow Mining Site, in Bee County, Texas. For purposes of this evaluation we have combined Wellfields Nos. 1, 2, and 3 and will be referred to as the "wellfield area".

2.0 Methodology

The basis for the design calculations include the use of a 1-ft contour map of the proposed site that was generated using Carlson software from USGS 7.5 minute series topographic maps, from which watersheds were developed and then modeled using WinTR-55 to calculate the design peak flow rate(s) through the well site. Channel flow calculations were performed using HydroChan v1.3i. This software was developed in relationship to the Manning formula for irregular channel flow. The topographic data for a given cross-section of an irregular channel is entered into the program, along with the Manning coefficient of roughness, and slope. The software then calculates the areas and velocities for a range of various flow rates through the given channel cross-section. The flow rate for a given depth can then be determined. The flow rate that best fits the design peak flow rate is selected, thus the depth of water, required cross-sectional area and velocity are determined.

Other variables for the design calculations include:

- The SCS (Soil Conservation Service) runoff curve number utilized was for semi-arid, partially rocky terrain: 75.
- The Manning Coefficient utilized was: 0.05.
- The topographic data for defining sub-basins utilized ACAD, Carlson software.
- Additional calculations utilized WinTR-55 and HydroChan v1.3i software.

3.0 Summary of Wellfields Nos. 1, 2, and 3 Topography and Hydrological Findings

A high point ridge divides the proposed Wellfields Nos. 1, 2, and 3 (wellfield area). Therefore the wellfield area drains into two separate drainage basins. Approximately one-third of the rainfall drains to the southwest along Burkes Ridge into Moss Gully and ultimately to the Aransas River. The remaining two-thirds of the wellfield area also drains to the southwest into Burk Hollow parallel to Burkes Ridge and then on to the Aransas River. Refer to Attachment 6.1 for a summary of hydrology calculations. Peak flow rates, velocities, and depths where calculated at several locations throughout the proposed site, see attachment 6.4 for irregular channel flow calculations. The following tables are peak flow conditions at several cross sections throughout the site. Refer to Attachment 6.7 for site information and drawings. The storm water flow paths, storm affected areas, and cross-sections are shown on drawings H-1020 and H-1021.

Table 3.1 – Peak Flow Conditions at Trunklines Section "A-A" (DWG. H-1020)

	Flow (cfs)	Velocity (ft/s)	Depth (ft)
25 year / 24 hour	473.8	1.72	1.4
100 year / 24 hour	670.0	1.89	1.6

Table 3.2 – Peak Flow Conditions at Trunklines Section "B-B" (DWG. H-1020)

	Flow (cfs)	Velocity (ft/s)	Depth (ft)
25 year / 24 hour	1088.1	3.66	3.75
100 year / 24 hour	1541.9	4.10	4.8

Table 3.3 – Peak Flow Conditions at Trunklines Section "C-C" (DWG. H-1020)

	Flow (cfs)	Velocity (ft/s)	Depth (ft)
25 year / 24 hour	858.9	2.02	1.95
100 year / 24 hour	1220.5	2.20	2.25

Table 3.4 – Peak Flow Conditions at Trunklines Section "D-D" (DWG. H-1020)

	Flow (cfs)	Velocity (ft/s)	Depth (ft)
25 year / 24 hour	1335.9	2.97	3.15
100 year / 24 hour	1894.8	3.24	3.6

4.0 Wellfields Nos. 1, 2, and 3 Pipeline and Equipment Stability

Wellheads, rack equipment, and branch lines are recommended not to be placed in the vicinity of peak flows/depths (cross-hatched areas) as shown on drawing H-1020. If equipment or piping must be placed in these areas specific engineered support modifications will be required. Supply and return pipelines (trunklines) should be placed perpendicular to storm water flow paths with the proper support modifications.

The trucklines were checked for both uplift and stability. Peak flow conditions were subjected to the 8 in. diameter HDPE pipes to determine required support locations see Attachment 6.5. The recommended support spacing is 10-ft on centers similar to what was suggested in the past at the other wellfield locations. Refer to Attachment 6.7, more specifically drawings H-1020 and H-1022.

5.0 Conclusions

BHP has provided the engineering analysis as requested by UEC. Our findings including the implementation of our recommendations will alleviate all concerns in regards to these two items.

1. Hydrology calculations sealed by a Texas Registered Professional Engineer; including drainage area, peak flows, and flow depths at the pipeline for the 25-year and 100-year rainfall return periods.

2. Hydrostatic stability calculations sealed by a Texas Registered Professional Engineer; based on the peak flow and flow depth at the pipeline during the 100-year rainfall.

Based on this document and all the attachments provided we have satisfied our engineering services and rendered our professional opinion.

6.0 Attachments

6.1 Proposed Wellfield Area Hydrology Calculation Summary

6.2 Proposed Wellfield Area Win TR-55 Calculations West Area

6.3 Proposed Wellfield Area Win TR-55 Calculations East Area

6.4 Proposed Wellfield Area Irregular Channel Flow Calculations

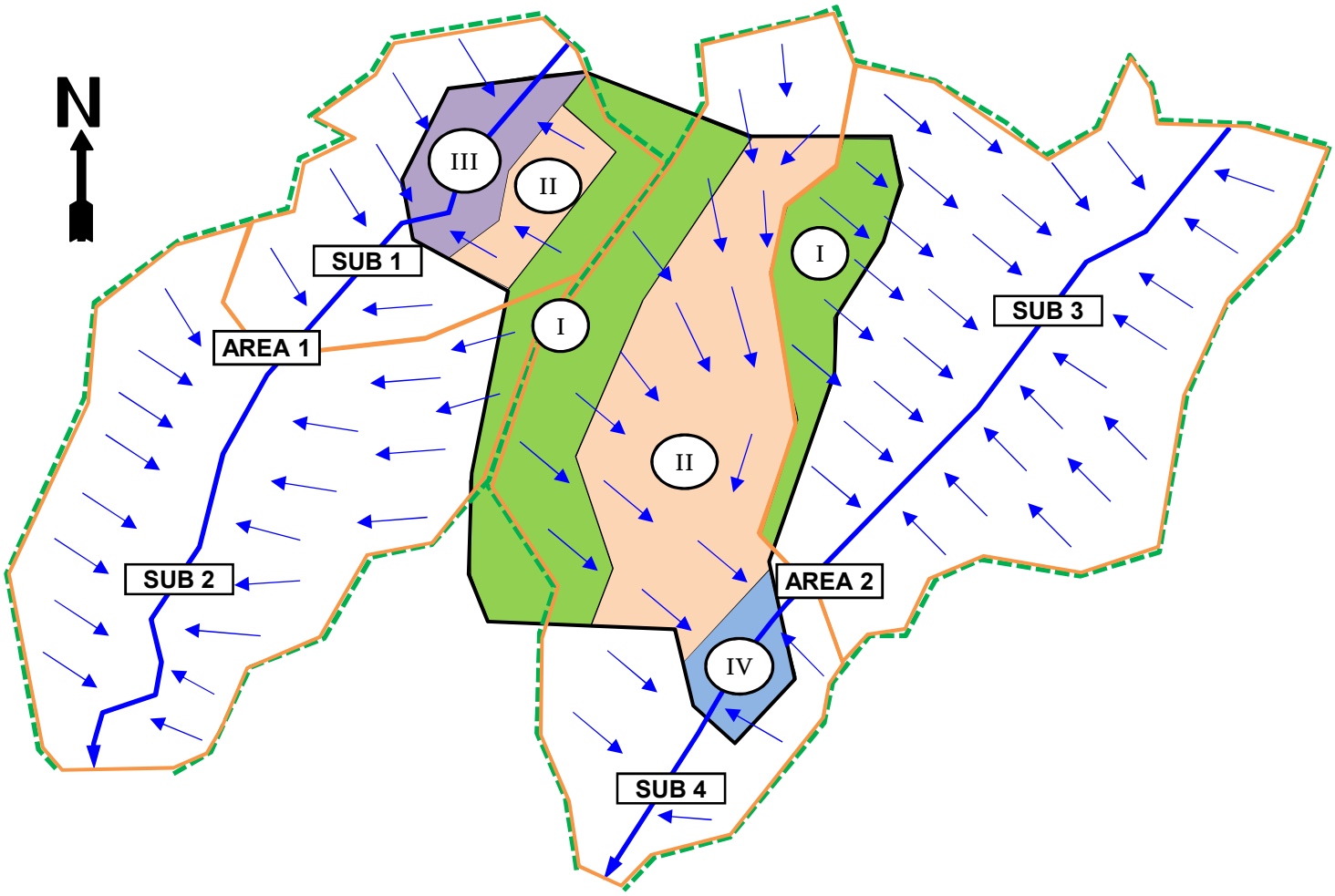
6.5 Proposed Wellfield Area Pipeline Stability Calculations

6.6 Wellhead Stability Calculations

6.7 Site Information and Drawings

- UEC Burke Hollow Project Proposed Mine Permit
- UEC Burke Hollow Project Proposed Wellfield Areas
- H-1020 Proposed Wellfield Watershed Area
- H-1021 Proposed Wellfield Sections
- H-1022 Recommended Trunkline Supports

Attachment 6.1 - Hydrology Calculation Summary



FLOW REGIONS WITHIN WELL SITE

- (I) NATURAL WATER SHED FLOW - NO UPSTREAM FLOW.
- (II) NATURAL WATER SHED FLOW - PLUS MINIMAL UPSTREAM FLOW.
- (III) NATURAL WATER SHED FLOW - PLUS MODERATE UPSTREAM FLOW.
- (IV) NATURAL WATER SHED FLOW - PLUS REACH UPSTREAM FLOW.

NOTE: AREA 1: IS ALSO REFERED TO IN OTHER CALCULATIONS AS "WEST AREA"

AREA 2: IS ALSO REFERED TO IN OTHER CALCULATIONS AS "EAST AREA"

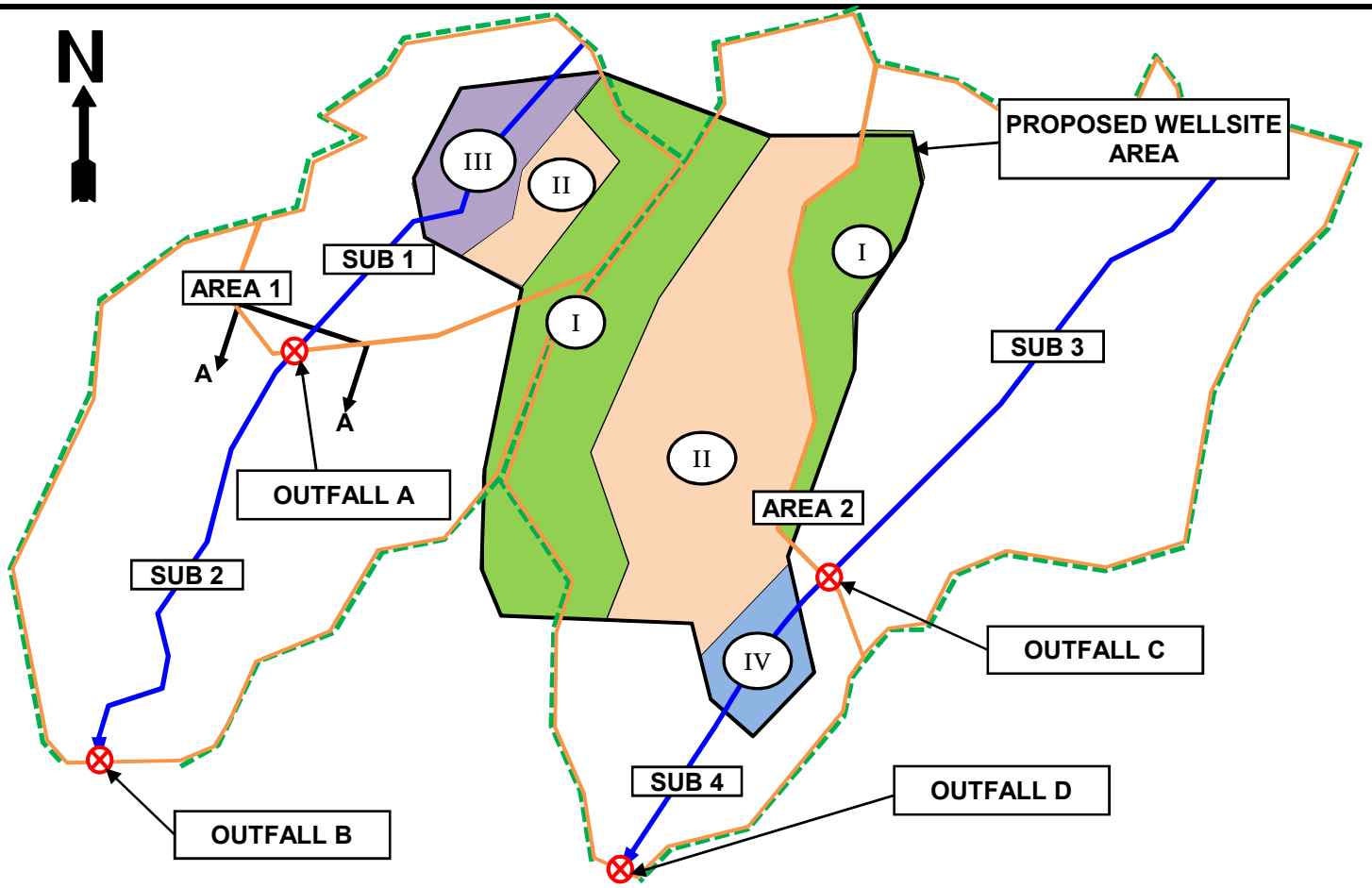
LEGEND

- HIGH POINT RIDGE
- LIMITS OF SUB-BASINS
- NATURAL LOW POINT, REACH
- DIRECTION OF WATER FLOW

BHP ENGINEERING & CONSTRUCTION, INC.
715 OAK PARK AVENUE
Corpus Christi, TX 78408
(361) 693-6204 Fax: (361) 884-3522

URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
25 YR / 24 HR OVERALL SITE PLAN

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	1 OF 7	0



OUTFALL A (SUB 1)	473.9	C.F.S.	OUTFALL B	1088.1	C.F.S.
OUTFALL SUB 2	625.9	C.F.S.	OUTFALL D	1335.9	C.F.S.
OUTFALL C (SUB 3)	859.0	C.F.S.	AREA 1 (SUB 1 + SUB 2)	700.3	Acres
OUTFALL SUB 4	538.3	C.F.S.	AREA 2 (SUB 3 + SUB 4)	1084.5	Acres
AREA SUB 1	257.6	Acres			
AREA SUB 2	442.7	Acres			
AREA SUB 3	570.2	Acres			
AREA SUB 4	514.3	Acres			



TOTAL FLOW AREA REQUIRED = 296 FT.²

V = 1.72 FT. / sec.

SECTION " A - A "
(NOT TO SCALE)

BHP ENGINEERING & CONSTRUCTION, INC.
715 OAK PARK AVENUE
Corpus Christi, TX 78408
(361) 693-6204 Fax: (361) 884-3522

URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
25 YR / 24 HR SUMMARY 1 OF 2

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	2 OF 7	0

DESCRIPTION OF REGIONS:

REGION I : Natural runoff with no upstream contribution to downstream water shed.

REGION II : Natural runoff with minimal upstream contribution to downstream water shed. All contributions are provided by surface runoff (no reaches).

REGION III : Natural runoff with moderate upstream contribution to downstream water shed. Contributions can be provided by surface runoff and/or minor reaches.

REGION IV : Natural runoff with substantial upstream contribution to downstream water shed. Contributions can be provided by surface runoff, minor reaches and/or more significant reaches.

DESCRIPTION OF SPECIFIC FINDINGS AT REGIONS:

REGION I : This region comprises approximately 40% of the well field area.
A high point ridge passes through this region. Water runoff is shed towards the reach.
The maximum depth of the sheet drainage water is 3/4" . There is no impact to piping and equipment located in this region.

REGION II : This region comprises approximately 45% of the well field area.
The upstream side of this region is a "Region I" Area. Water runoff is shed towards the reach.
The maximum depth of the sheet drainage water is 1 1/2" . There is no impact to piping and equipment located in this region.

REGION III : This region comprises approximately 10% of the well field area.
Water flows towards the reach. Surface runoff is the only form of water transfer.
The maximum depth of the sheet drainage water at the uphill side is: 1 1/2" .
The maximum depth of at the outfall from the field is: 16 3/4" . The trunklines will be exposed to hydrostatic pressure and channel flow velocities.
Wellheads, rack equipment, and branch lines are recommended not be placed in this region.

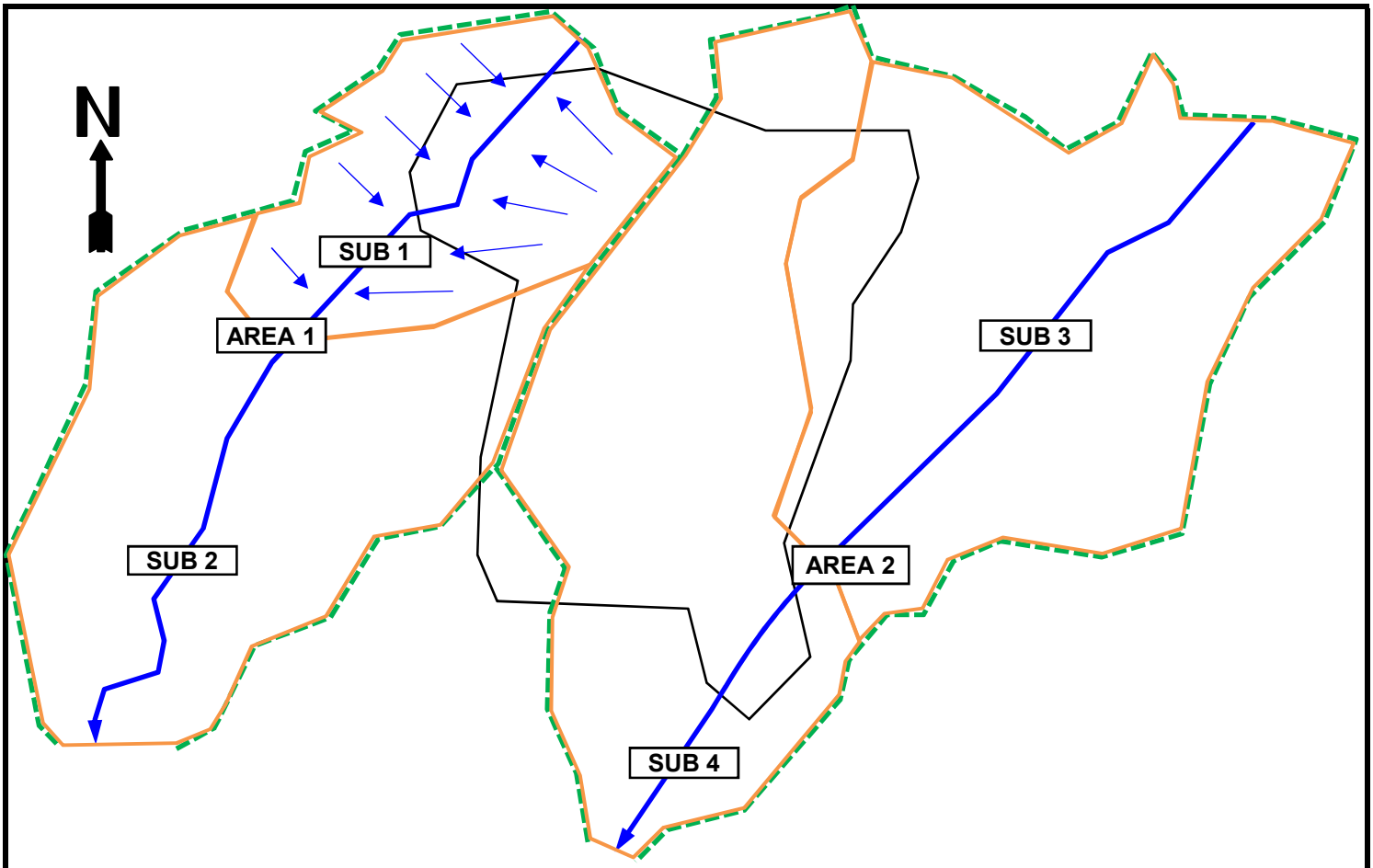
REGION IV : This region comprises approximately 5% of the well field area.
Water flows towards the reach. Surface runoff is the only form of water transfer.
The maximum depth of the sheet drainage water at the uphill side is: 1 1/2" .
The maximum depth of at the outfall from the field is: 23 1/3" . The trunklines will be exposed to hydrostatic pressure and channel flow velocities.
Wellheads, rack equipment, and branch lines are recommended not be placed in this region.

Note: Refer to support documentation and engineered drawings.

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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
25 YR / 24 HR SUMMARY 2 OF 2

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	2 OF 7	0

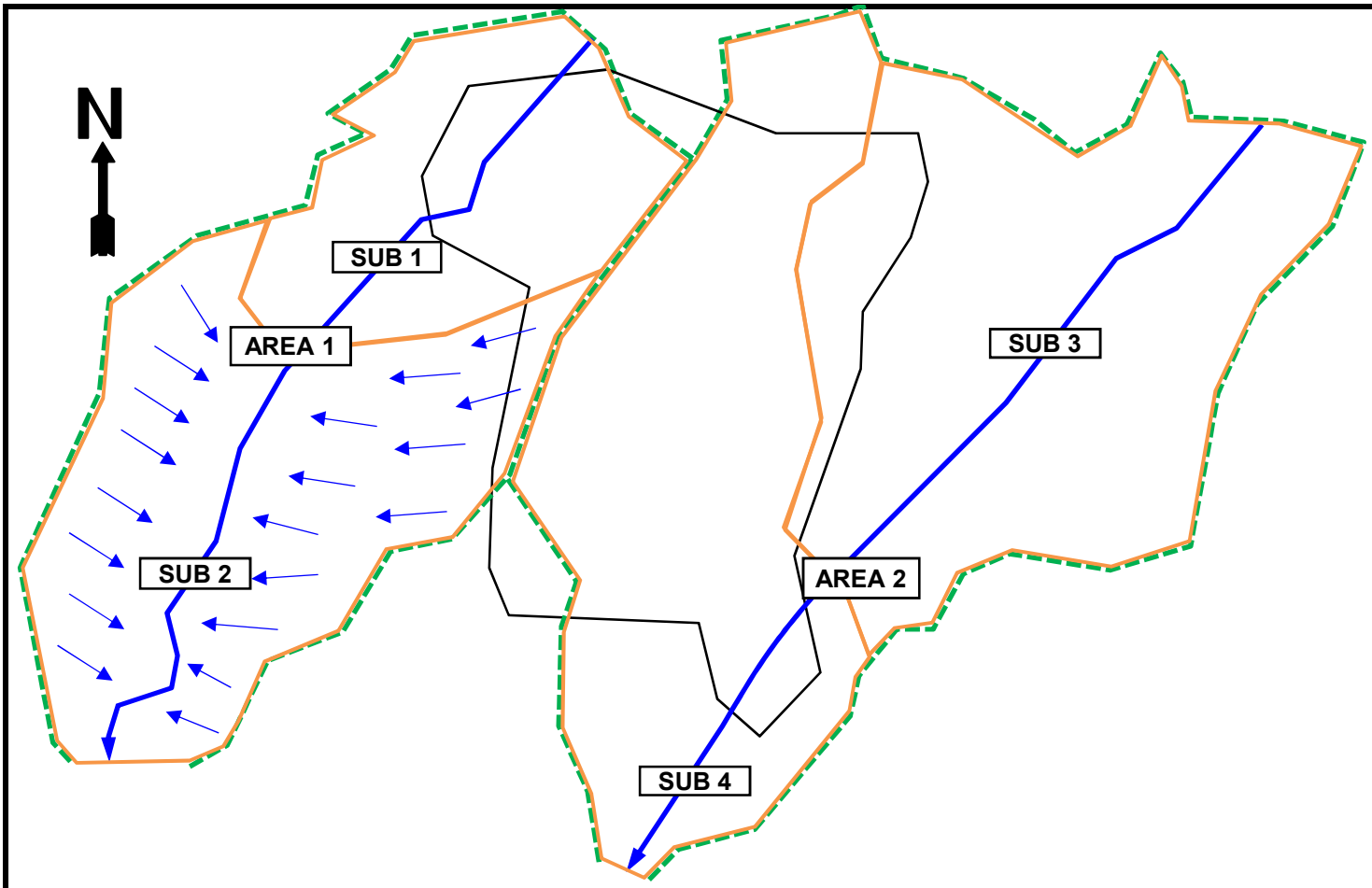


LENGTH OF SUB 1	5,686	Feet
AREA OF SUB 1	257.6	Acres
MAXIMUM, Q, @ OUTFALL SUB 1	473.9	C.F.S.

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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
25 YR / 24 HR SUB BASIN 1 DESCRIPTION

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	3 OF 7	0

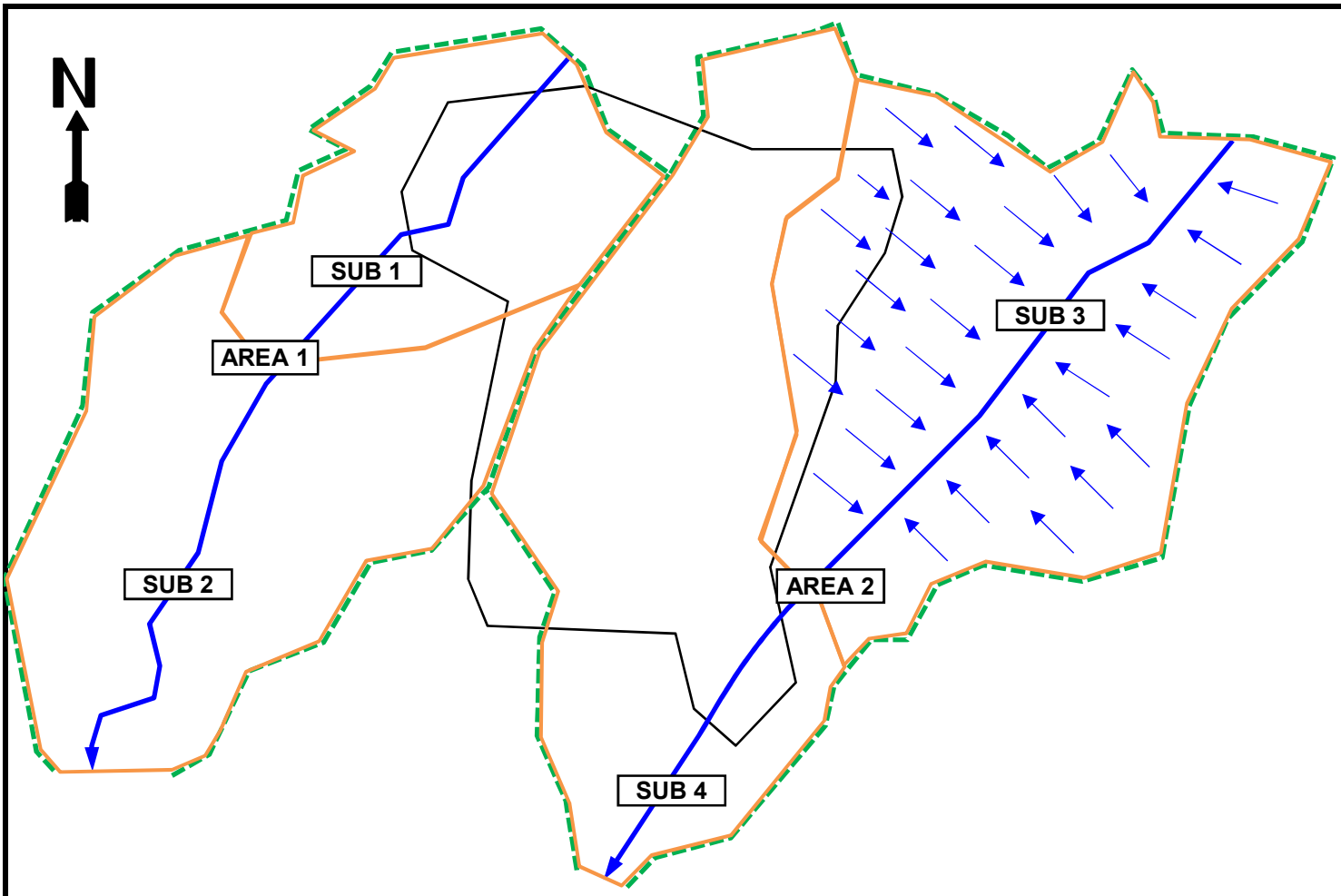


LENGTH OF SUB 2	8,637	Feet
AREA OF SUB 2	442.7	Acres
OUTFALL SUB 2	625.9	C.F.S.

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Corpus Christi, TX 78408
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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
25 YR / 24 HR SUB BASIN 2 DESCRIPTION

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	4 OF 7	0

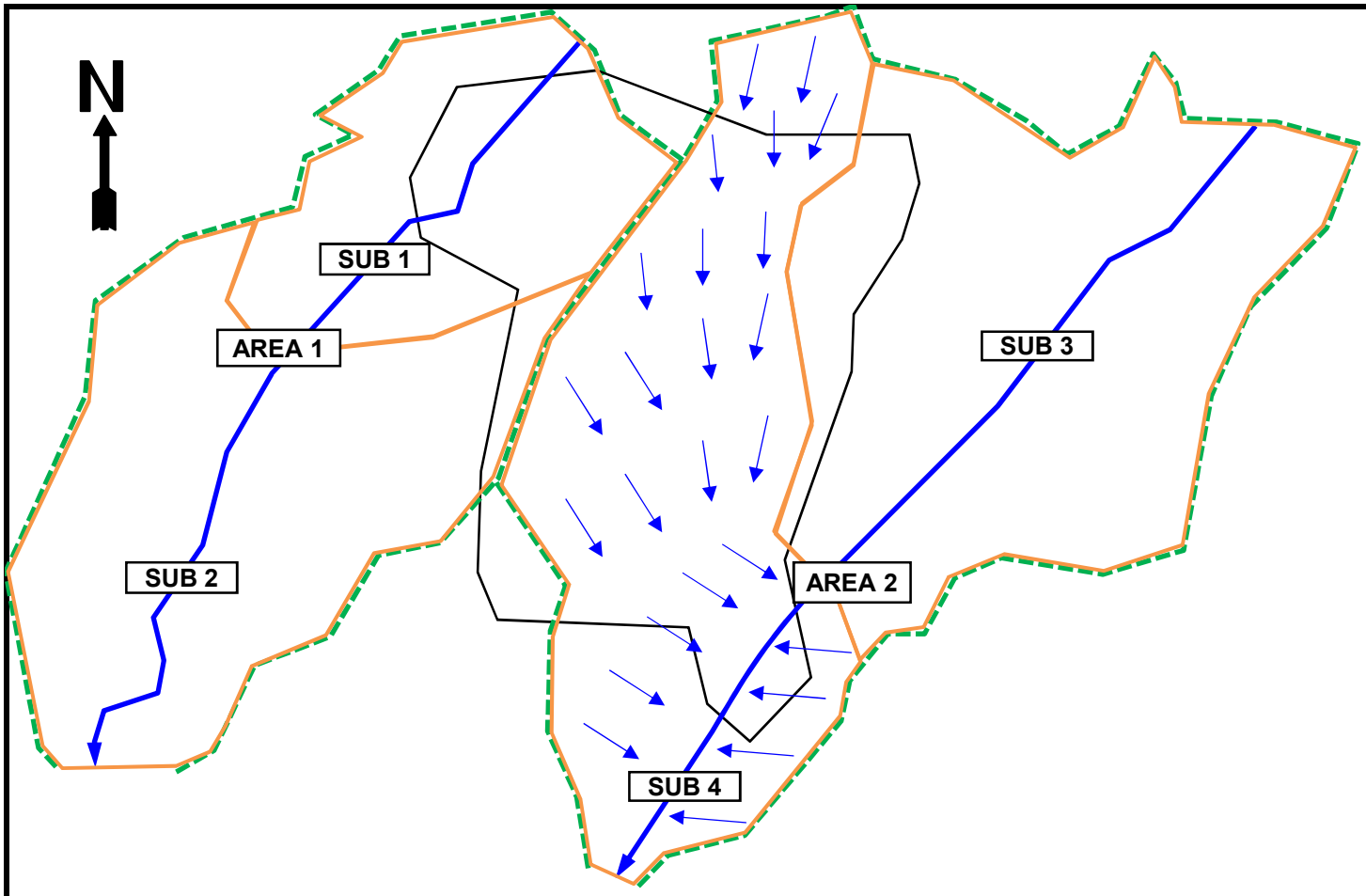


LENGTH OF SUB 3	7,919	Feet
AREA OF SUB 3	570.2	Acres
OUTFALL SUB 3	859.0	C.F.S.

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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
25 YR / 24 HR SUB BASIN 3 DESCRIPTION

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	5 OF 7	0

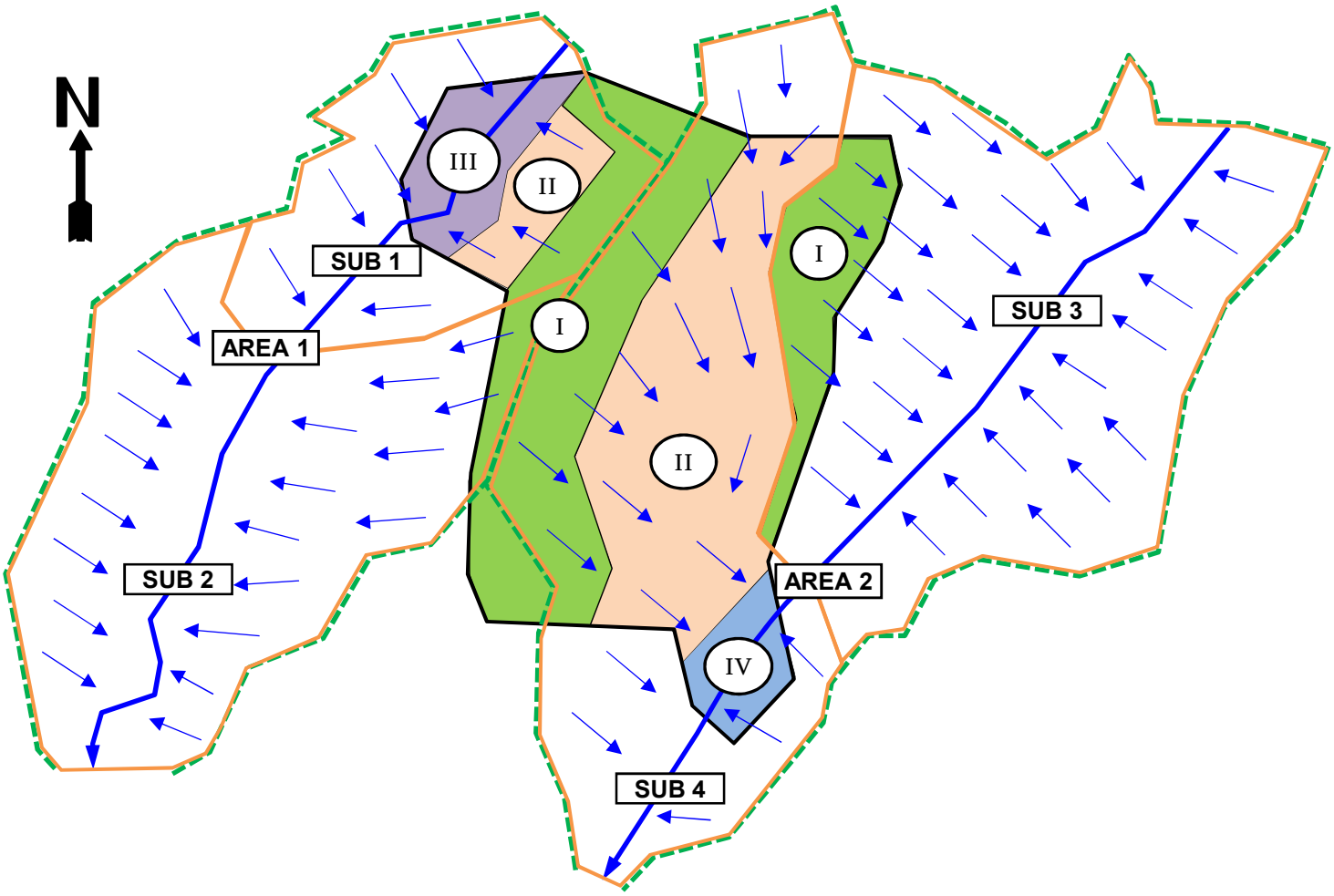


LENGTH OF SUB 4	12,142	Feet
AREA OF SUB 4	514.3	Acres
OUTFALL SUB 4	538.3	C.F.S.

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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
25 YR / 24 HR SUB BASIN 4 DESCRIPTION

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	6 OF 7	0



FLOW REGIONS WITHIN WELL SITE

I — NATURAL WATER SHED FLOW - NO UPSTREAM FLOW.

II — NATURAL WATER SHED FLOW - PLUS MINIMAL UPSTREAM FLOW.

III — NATURAL WATER SHED FLOW - PLUS MODERATE UPSTREAM FLOW.

IV — NATURAL WATER SHED FLOW - PLUS REACH UPSTREAM FLOW.

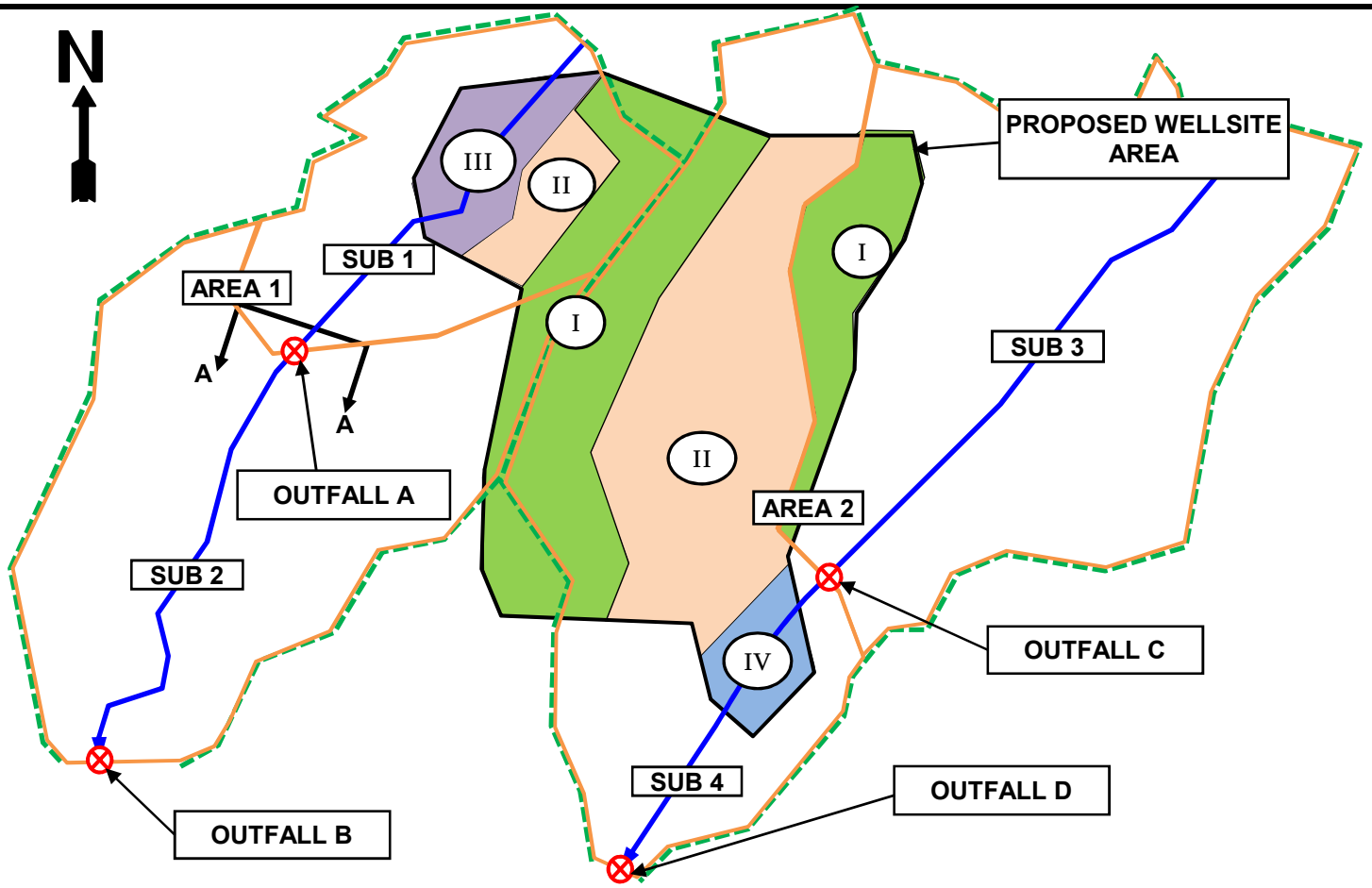
LEGEND

- HIGH POINT RIDGE
- LIMITS OF SUB-BASINS
- NATURAL LOW POINT, REACH
- DIRECTION OF WATER FLOW

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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
100 YR / 24 HR OVERALL SITE PLAN

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	1 OF 7	0



OUTFALL A (SUB 1)	670.0	C.F.S.	OUTFALL B	1541.9	C.F.S.
OUTFALL SUB 2	886.7	C.F.S.	OUTFALL D	1894.8	C.F.S.
OUTFALL C (SUB 3)	1220.5	C.F.S.	AREA 1 (SUB 1 + SUB 2)	700.3	Acres
OUTFALL SUB 4	763.4	C.F.S.	AREA 2 (SUB 3 + SUB 4)	1084.5	Acres
AREA SUB 1	257.6	Acres			
AREA SUB 2	442.7	Acres			
AREA SUB 3	570.2	Acres			
AREA SUB 4	514.3	Acres			



TOTAL FLOW AREA REQUIRED = 366 FT.²

V = 1.89 FT. / sec.

SECTION " A - A "
(NOT TO SCALE)

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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
100 YR / 24 HR SUMMARY 1 OF 2

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	2 OF 7	0

DESCRIPTION OF REGIONS:

REGION I : Natural runoff with no upstream contribution to downstream water shed.

REGION II : Natural runoff with minimal upstream contribution to downstream water shed. All contributions are provided by surface runoff (no reaches).

REGION III : Natural runoff with moderate upstream contribution to downstream water shed. Contributions can be provided by surface runoff and/or minor reaches.

REGION IV : Natural runoff with substantial upstream contribution to downstream water shed. Contributions can be provided by surface runoff, minor reaches and/or more significant reaches.

DESCRIPTION OF SPECIFIC FINDINGS AT REGIONS:

REGION I : This region comprises approximately 40% of the well field area.
A high point ridge passes through this region. Water runoff is shed towards the reach.
The maximum depth of the sheet drainage water is 3/4" . There is no impact to piping and equipment located in this region.

REGION II : This region comprises approximately 45% of the well field area.
The upstream side of this region is a "Region I" Area. Water runoff is shed towards the reach.
The maximum depth of the sheet drainage water is 1 1/2" . There is no impact to piping and equipment located in this region.

REGION III : This region comprises approximately 10% of the well field area.
Water flows towards the reach. Surface runoff is the only form of water transfer.
The maximum depth of the sheet drainage water at the uphill side is: 1 1/2" .
The maximum depth of at the outfall from the field is: 19 1/4" . The trunklines will be exposed to hydrostatic pressure and channel flow velocities.
Wellheads, rack equipment, and branch lines are recommended not be placed in this region.

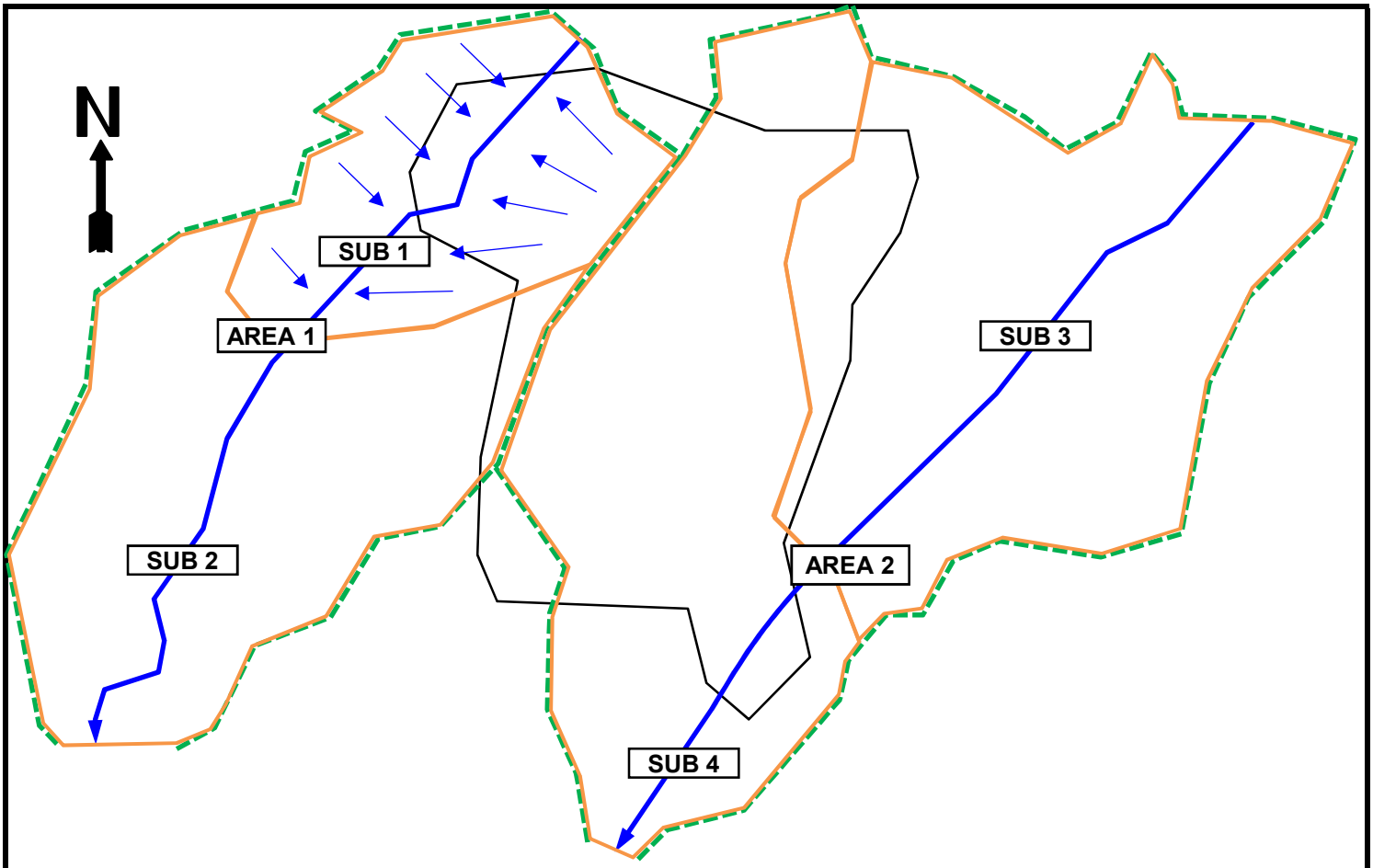
REGION IV : This region comprises approximately 5% of the well field area.
Water flows towards the reach. Surface runoff is the only form of water transfer.
The maximum depth of the sheet drainage water at the uphill side is: 1 1/2" .
The maximum depth of at the outfall from the field is: 27" . The trunklines will be exposed to hydrostatic pressure and channel flow velocities.
Wellheads, rack equipment, and branch lines are recommended not be placed in this region.

Note: Refer to support documentation and engineered drawings.

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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
100 YR / 24 HR SUMMARY 2 OF 2

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	2 OF 7	0

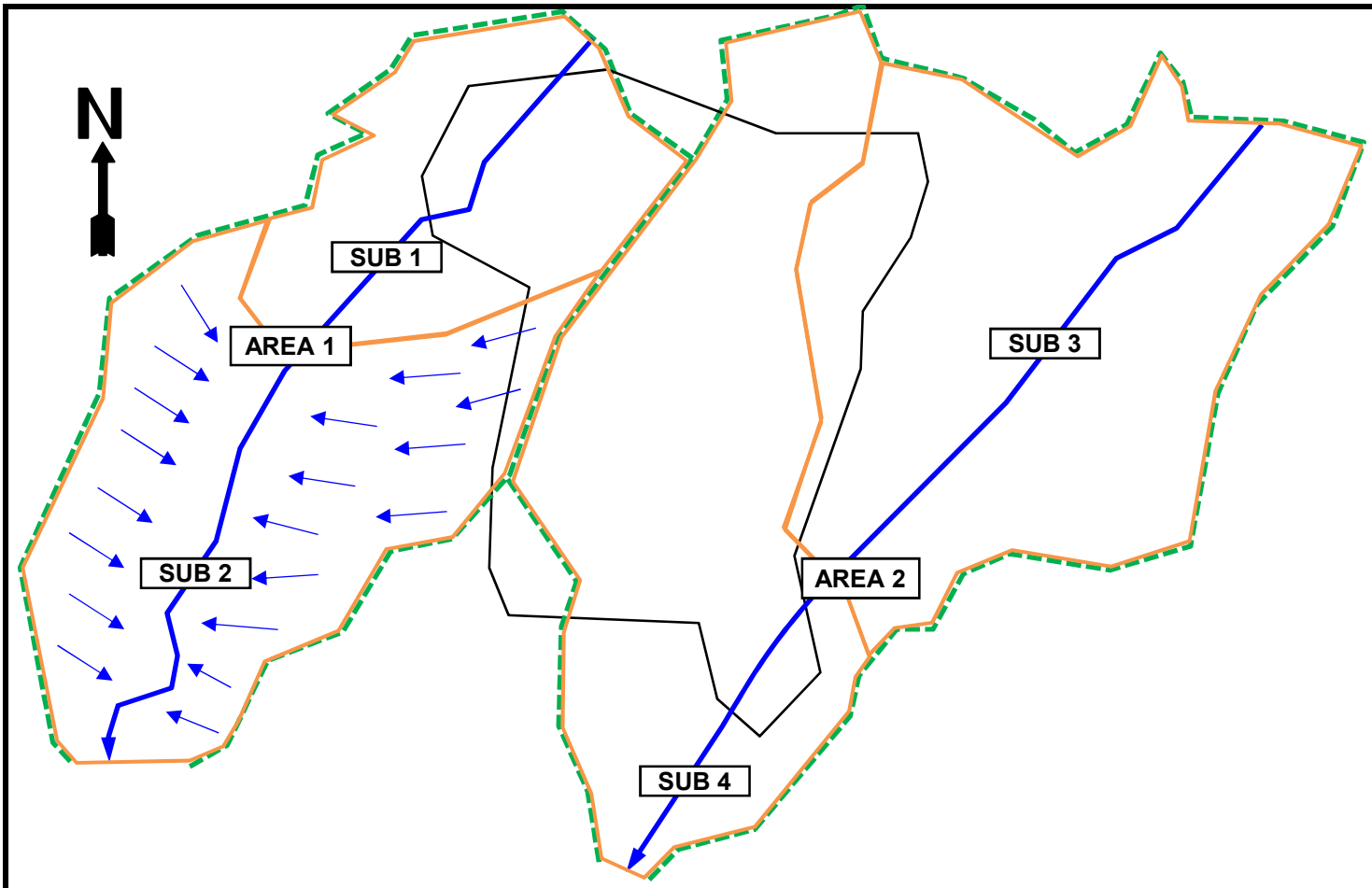


LENGTH OF SUB 1	5,686	Feet
AREA OF SUB 1	257.6	Acres
MAXIMUM, Q, @ OUTFALL SUB 1	670.0	C.F.S.

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BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
100 YR / 24 HR SUB BASIN 1 DESCRIPTION

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	3 OF 7	0

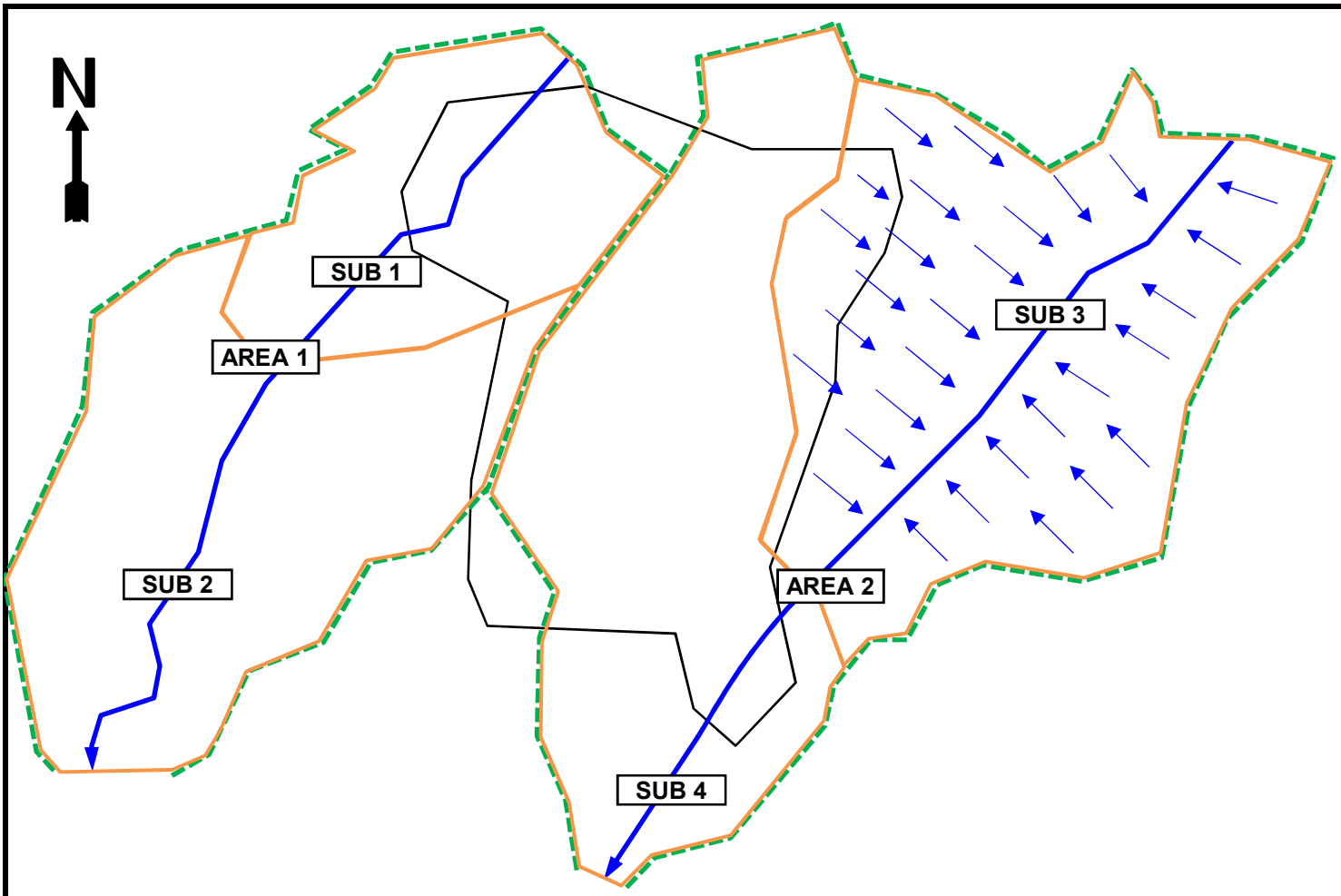


LENGTH OF SUB 2	8,637	Feet
AREA OF SUB 2	442.7	Acres
OUTFALL SUB 2	886.7	C.F.S.

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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
100 YR / 24 HR SUB BASIN 2 DESCRIPTION

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	4 OF 7	0

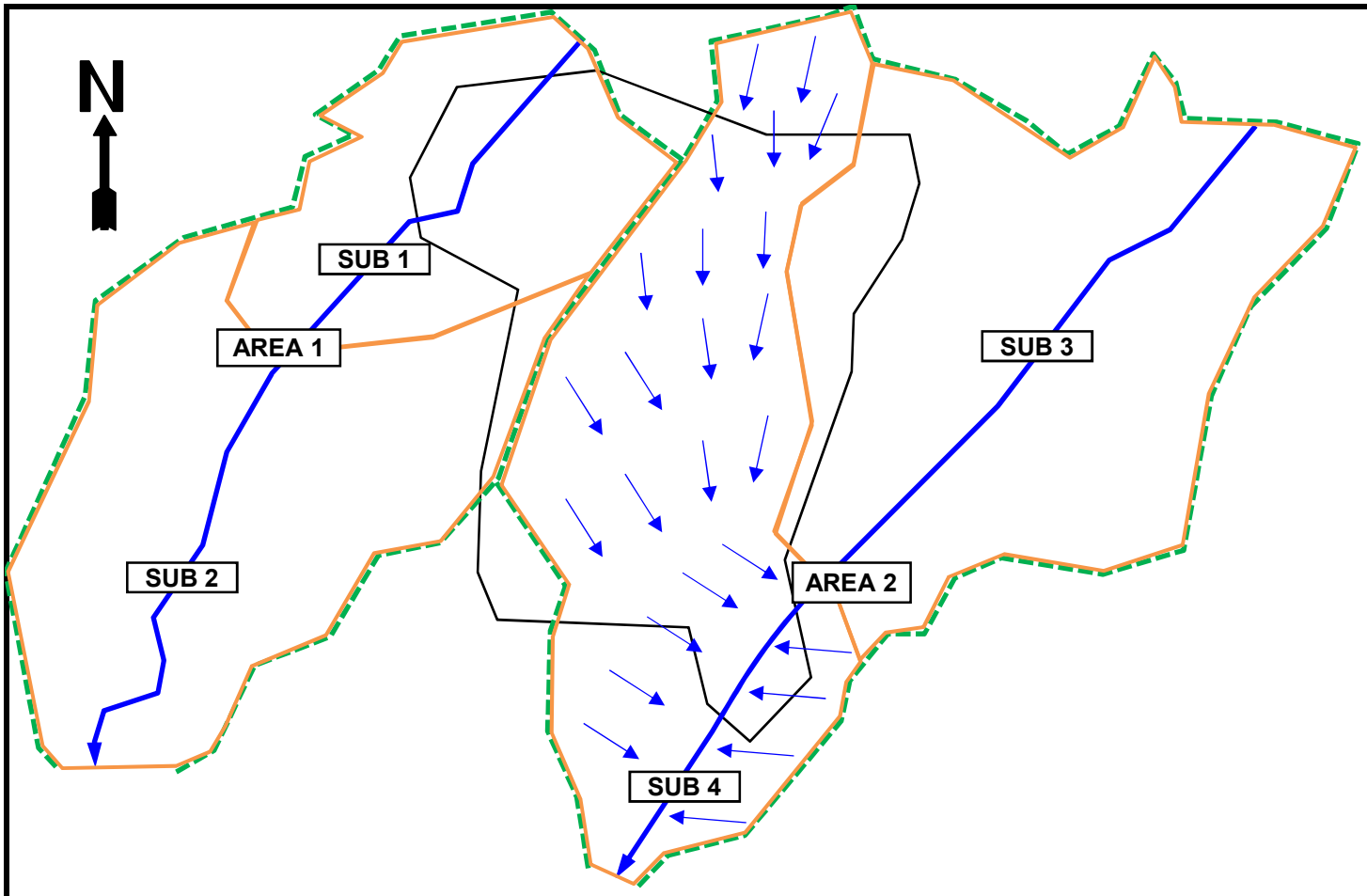


LENGTH OF SUB 3	7,919	Feet
AREA OF SUB 3	570.2	Acres
OUTFALL SUB 3	1220.5	C.F.S.

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Corpus Christi, TX 78408
(361) 693-6204 Fax: (361) 884-3522

URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
100 YR / 24 HR SUB BASIN 3 DESCRIPTION

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	5 OF 7	0



LENGTH OF SUB 4	12,142	Feet
AREA OF SUB 4	514.3	Acres
OUTFALL SUB 4	763.4	C.F.S.

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URANIUM ENERGY CORP
BURK HOLLOW MINING SITE
HYDROLOGICAL ANALYSIS FOR WELL SITES PAA - 1, 2 & 3
100 YR / 24 HR SUB BASIN 4 DESCRIPTION

Drawn by:	J.C.F.	Date:	29-Jan-13	PLANT:	BURK HOLLOW
Checked by:	R.B.T.	Date:	29-Jan-13	Project:	-
Appr'vd. By:	R.B.T.	Date:	29-Jan-13	DWG. No.	REV.
Appr'vd. By:	--	Date:	--	6 OF 7	0

Attachment 6.2 - WinTR-55 Calculations West Area

WinTR-55 Current Data Description

--- Identification Data ---

User: JCF
Project: Burk Hollow PA-1,2,3
SubTitle: Burk Hollow West Area
State: Texas
County: Bee
Filename: J:\Uranium Energy Corp\3067001 Burke Hollow Hydrology Study\Calcs\West Area\Win TR-55\Bur

Date: 1/31/2013
Units: English
Areal Units: Acres

--- Sub-Area Data ---

Name	Description	Reach	Area(ac)	RCN	Tc
Sub-1	N Area	Reach1	257.6	75	1.743
Sub-2	S Area	Outlet	442.7	75	2.561

Total area: 700.30 (ac)

--- Storm Data --

Rainfall Depth by Rainfall Return Period

2-Yr (in)	5-Yr (in)	10-Yr (in)	25-Yr (in)	50-Yr (in)	100-Yr (in)	1-Yr (in)
4.25	6.0	7.1	8.5	9.5	11.0	3.4

Storm Data Source: Bee County, TX (NRCS)
Rainfall Distribution Type: Type III
Dimensionless Unit Hydrograph: <standard>

JCF

Burk Hollow PA-1,2,3
Burk Hollow West Area
Bee County, Texas

Storm Data

Rainfall Depth by Rainfall Return Period

2-Yr (in)	5-Yr (in)	10-Yr (in)	25-Yr (in)	50-Yr (in)	100-Yr (in)	1-Yr (in)
4.25	6.0	7.1	8.5	9.5	11.0	3.4

Storm Data Source: Bee County, TX (NRCS)
Rainfall Distribution Type: Type III
Dimensionless Unit Hydrograph: <standard>

JCF

Burk Hollow PA-1,2,3
Burk Hollow West Area
Bee County, Texas

Watershed Peak Table

Sub-Area or Reach Identifier	Peak Flow by Rainfall Return Period 25-Yr (cfs)	100-Yr (cfs)
SUBAREAS		
Sub-1	473.88	670.00
Sub-2	625.90	886.72
REACHES		
Reach1	473.88	670.00
Down	469.27	662.97
OUTLET	1088.08	1541.92

JCF

Burk Hollow PA-1,2,3
Burk Hollow West Area
Bee County, Texas

Hydrograph Peak/Peak Time Table

Sub-Area or Reach Identifier	Peak Flow and Peak Time (hr) by Rainfall Return Period 25-Yr (cfs)	(hr)	100-Yr (cfs)	(hr)
SUBAREAS				
Sub-1	473.88	13.09	670.00	13.08
Sub-2	625.90	13.66	886.72	13.67
REACHES				
Reach1	473.88	13.09	670.00	13.08
Down	469.27	13.53	662.97	13.52
OUTLET	1088.08		1541.92	

JCF

Burk Hollow PA-1,2,3
Burk Hollow West Area
Bee County, Texas

Sub-Area Summary Table

Sub-Area Identifier	Drainage Area (ac)	Time of Concentration (hr)	Curve Number	Receiving Reach	Sub-Area Description
Sub-1	257.60	1.743	75	Reach1	N Area
Sub-2	442.70	2.561	75	Outlet	S Area

Total Area: 700.30 (ac)

JCF

Burk Hollow PA-1,2,3
Burk Hollow West Area
Bee County, Texas

Reach Summary Table

Reach Identifier	Receiving Reach Identifier	Reach Length (ft)	Routing Method
Reach1	Outlet	5563	CHANNEL

JCF

Burk Hollow PA-1,2,3
Burk Hollow West Area
Bee County, Texas

Sub-Area Time of Concentration Details

Sub-Area Identifier/	Flow Length (ft)	Slope (ft/ft)	Mannings's n	End Area (sq ft)	Wetted Perimeter (ft)	Velocity (ft/sec)	Travel Time (hr)
Sub-1							
SHEET	99	0.0035	0.050				0.117
SHALLOW	5587	0.0035	0.050				1.626
						Time of Concentration	1.743
Sub-2							
SHEET	99	0.0041	0.150				0.265
SHALLOW	8538	0.0041	0.050				2.296
						Time of Concentration	2.561

JCF

Burk Hollow PA-1,2,3
Burk Hollow West Area
Bee County, Texas

Sub-Area Land Use and Curve Number Details

Sub-Area Identifier	Land Use	Hydrologic Soil Group	Sub-Area Area (ac)	Curve Number
Sub-1	CN directly entered by user	-	257.6	75
	Total Area / Weighted Curve Number		257.6	75
Sub-2	CN directly entered by user	-	442.7	75
	Total Area / Weighted Curve Number		442.7	75

Burk Hollow PA-1,2,3
Burk Hollow West Area
Bee County, Texas

Reach Channel Rating Details

Reach Identifier	Reach Length (ft)	Reach Manning's n	Friction Slope (ft/ft)	Bottom Width (ft)	Side Slope
Reach1	5563	0.05	0.0036	10	10 :1

Reach Identifier	Stage (ft)	Flow (cfs)	End Area (sq ft)	Top Width (ft)	Friction Slope (ft/ft)
Reach1	0.0	0.000	0	10	0.0036
	0.5	6.943	7.5	20	
	1.0	27.157	20	30	
	2.0	120.500	60	50	
	5.0	1041.111	300	110	
	10.0	5897.523	1100	210	
	20.0	35211.746	4200	410	

Attachment 6.3 - WinTR-55 Calculations East Area

WinTR-55 Current Data Description

--- Identification Data ---

User: JCF
Project: Burk Hollow PA-1,2,3
SubTitle: Burk Hollow East Area
State: Texas
County: Bee
Filename: J:\Uranium Energy Corp\3067001 Burke Hollow Hydrology Study\Calcs\East Area\Win TR-55\Bur

Date: 1/31/2013
Units: English
Areal Units: Acres

--- Sub-Area Data ---

Name	Description	Reach	Area(ac)	RCN	Tc
Sub-3	N Area	Reach1	570.2	75	2.328
Sub-4	S Area	Outlet	514.3	75	3.898

Total area: 1084.50 (ac)

--- Storm Data --

Rainfall Depth by Rainfall Return Period

2-Yr (in)	5-Yr (in)	10-Yr (in)	25-Yr (in)	50-Yr (in)	100-Yr (in)	1-Yr (in)
4.25	6.0	7.1	8.5	9.5	11.0	3.4

Storm Data Source: Bee County, TX (NRCS)
Rainfall Distribution Type: Type III
Dimensionless Unit Hydrograph: <standard>

JCF

Burk Hollow PA-1,2,3
Burk Hollow East Area
Bee County, Texas

Storm Data

Rainfall Depth by Rainfall Return Period

2-Yr (in)	5-Yr (in)	10-Yr (in)	25-Yr (in)	50-Yr (in)	100-Yr (in)	1-Yr (in)
4.25	6.0	7.1	8.5	9.5	11.0	3.4

Storm Data Source: Bee County, TX (NRCS)
Rainfall Distribution Type: Type III
Dimensionless Unit Hydrograph: <standard>

JCF

Burk Hollow PA-1,2,3
Burk Hollow East Area
Bee County, Texas

Watershed Peak Table

Sub-Area or Reach Identifier	Peak Flow by Rainfall Return Period 25-Yr (cfs)	100-Yr (cfs)
SUBAREAS		
Sub-3	858.96	1220.53
Sub-4	538.25	763.64
REACHES		
Reach1	858.96	1220.53
Down	854.90	1212.60
OUTLET	1335.90	1894.81

JCF

Burk Hollow PA-1,2,3
Burk Hollow East Area
Bee County, Texas

Hydrograph Peak/Peak Time Table

Sub-Area or Reach Identifier	Peak Flow and Peak Time (hr) by Rainfall Return Period 25-Yr (cfs)	(hr)	100-Yr (cfs)	(hr)
SUBAREAS				
Sub-3	858.96	13.58	1220.53	13.50
Sub-4	538.25	14.50	763.64	14.62
REACHES				
Reach1	858.96	13.58	1220.53	13.50
Down	854.90	13.73	1212.60	13.79
OUTLET	1335.90		1894.81	

JCF

Burk Hollow PA-1,2,3
Burk Hollow East Area
Bee County, Texas

Sub-Area Summary Table

Sub-Area Identifier	Drainage Area (ac)	Time of Concentration (hr)	Curve Number	Receiving Reach	Sub-Area Description
Sub-3	570.20	2.328	75	Reach1	N Area
Sub-4	514.30	3.898	75	Outlet	S Area

Total Area: 1084.50 (ac)

JCF

Burk Hollow PA-1,2,3
Burk Hollow East Area
Bee County, Texas

Reach Summary Table

Reach Identifier	Receiving Reach Identifier	Reach Length (ft)	Routing Method
Reach1	Outlet	4368	CHANNEL

Burk Hollow PA-1,2,3
Burk Hollow East Area
Bee County, Texas

Sub-Area Time of Concentration Details

Sub-Area Identifier/	Flow Length (ft)	Slope (ft/ft)	Mannings's n	End Area (sq ft)	Wetted Perimeter (ft)	Velocity (ft/sec)	Travel Time (hr)
Sub-3							
SHEET	99	0.0037	0.050				0.115
SHALLOW	7820	0.0037	0.050				2.213
						Time of Concentration	2.328
Sub-4							
SHEET	99	0.0033	0.150				0.289
SHALLOW	12043	0.0033	0.050				3.609
						Time of Concentration	3.898

JCF

Burk Hollow PA-1,2,3
Burk Hollow East Area
Bee County, Texas

Sub-Area Land Use and Curve Number Details

Sub-Area Identifier	Land Use	Hydrologic Soil Group	Sub-Area Area (ac)	Curve Number
Sub-3	CN directly entered by user	-	570.2	75
	Total Area / Weighted Curve Number		570.2	75
			=====	==
Sub-4	CN directly entered by user	-	514.3	75
	Total Area / Weighted Curve Number		514.3	75
			=====	==

Burk Hollow PA-1,2,3
Burk Hollow East Area
Bee County, Texas

Reach Channel Rating Details

Reach Identifier	Reach Length (ft)	Reach Manning's n	Friction Slope (ft/ft)	Bottom Width (ft)	Side Slope
Reach1	4368	0.05	0.0034	10	10 :1

Reach Identifier	Stage (ft)	Flow (cfs)	End Area (sq ft)	Top Width (ft)	Friction Slope (ft/ft)
Reach1	0.0	0.000	0	10	0.0034
	0.5	6.748	7.5	20	
	1.0	26.391	20	30	
	2.0	117.105	60	50	
	5.0	1011.778	300	110	
	10.0	5731.362	1100	210	
	20.0	34219.666	4200	410	

Attachment 6.4 - Irregular Channel Flow Calculations

Project UEC Drainage Study West Area Upstream (Section A-A DWG. H-1020)

XS Geometry

STA (ft)	ELEV (ft)
0.00	114.00
40.34	113.00
122.61	112.00
181.06	111.82
239.49	112.00
351.03	113.00
431.88	114.00

Channel Partition :

Left Overbank	0.00
Right Overbank	431.88

XS Plot

Rating Curve :

Max depth	15
Increment	0.2

XS Properties

Rating Curve

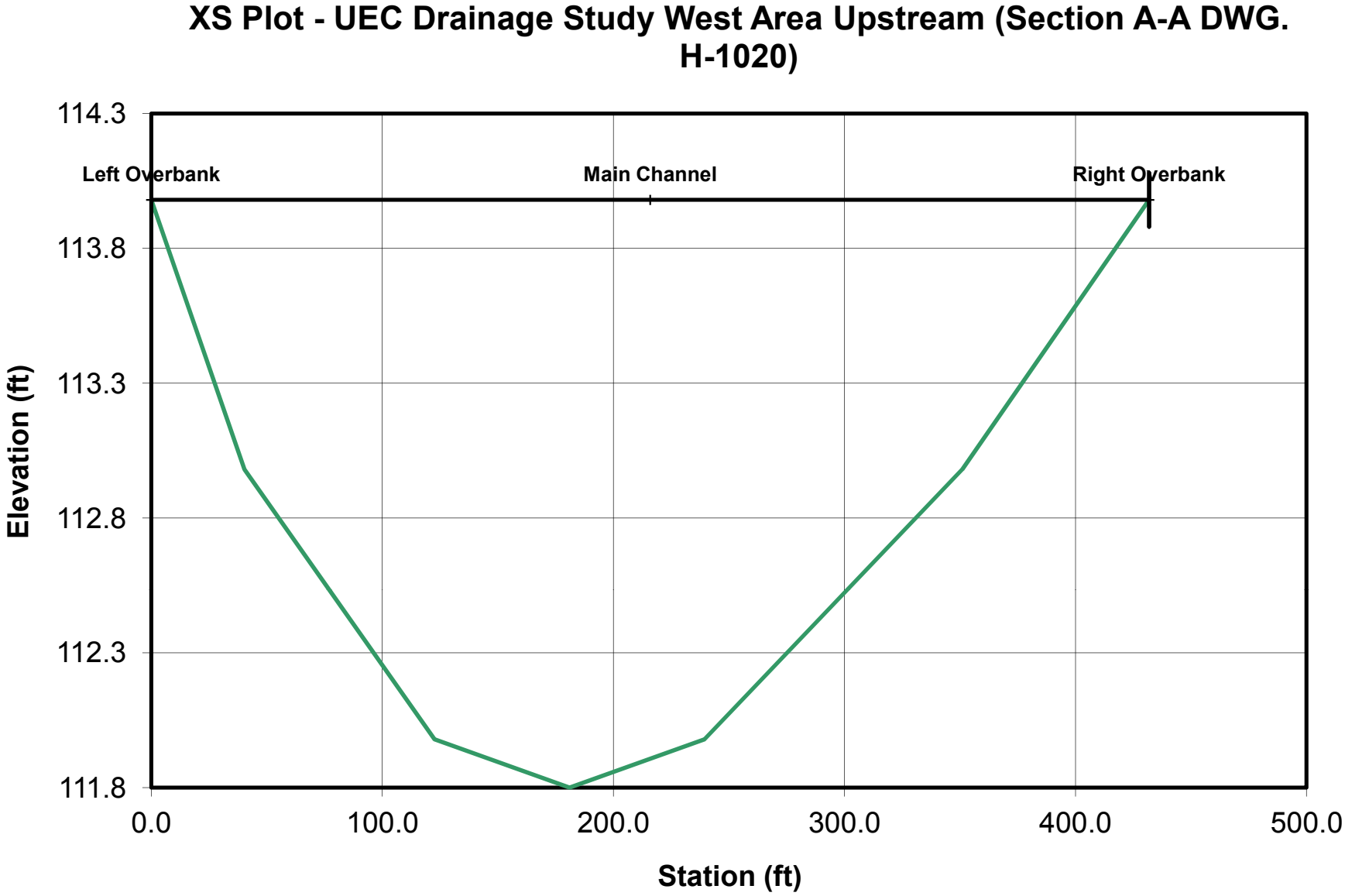
Hydraulic Parameters :

Roughness Type	n
Main Channel Roughness	0.05
Left Overbank Roughness	0.05
Right Overbank Roughness	0.05
Channel Slope	0.004

GVF Results

Boundary Conditions :

	Description	Q (cfs)	TW Elev (ft)
1	25 Year Rainfall	473.88	113.22
2	100 Year Rainfall	670	113.42
3			
4			
5			
6			
7			
8			
9			
10			


XS Plot - UEC Drainage Study West Area Upstream (Section A-A DWG. H-1020)
Left Overbank
Main Channel
Right Overbank
114.3
113.8
113.3
112.8
112.3
111.8
Elevation (ft)
0.0
100.0
200.0
300.0
400.0
500.0
Station (ft)

	Left Overbank			Main Channel			Right Overbank			Total
Elevation	A	V	Q	A	V	Q	A	V	Q	Q
(ft)	(sq ft)	(ft/s)	(cfs)	(sq ft)	(ft/s)	(cfs)	(sq ft)	(ft/s)	(cfs)	(cfs)
111.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.02	0.00	0.00	0.00	12.90	0.42	5.46	0.00	0.00	0.00	5.46
112.22	0.00	0.00	0.00	40.92	0.76	31.05	0.00	0.00	0.00	31.05
112.42	0.00	0.00	0.00	76.70	1.00	76.54	0.00	0.00	0.00	76.54
112.62	0.00	0.00	0.00	120.24	1.20	143.73	0.00	0.00	0.00	143.73
112.82	0.00	0.00	0.00	171.52	1.37	234.87	0.00	0.00	0.00	234.87
113.02	0.00	0.00	0.00	230.54	1.53	353.31	0.00	0.00	0.00	353.31
113.22	0.00	0.00	0.00	295.59	1.72	508.71	0.00	0.00	0.00	508.71
113.42	0.00	0.00	0.00	365.48	1.89	691.84	0.00	0.00	0.00	691.84
113.62	0.00	0.00	0.00	440.22	2.05	903.44	0.00	0.00	0.00	903.44
113.82	0.00	0.00	0.00	519.81	2.20	1144.32	0.00	0.00	0.00	1144.32
114.02	0.00	0.00	0.00	603.42	2.35	1417.35	0.00	0.00	0.00	1417.35
114.22	0.00	0.00	0.00	681.71	2.55	1736.37	0.00	0.00	0.00	1736.37
114.42	0.00	0.00	0.00	760.00	2.74	2080.64	0.00	0.00	0.00	2080.64
114.62	0.00	0.00	0.00	838.29	2.92	2449.23	0.00	0.00	0.00	2449.23
114.82	0.00	0.00	0.00	916.58	3.10	2841.32	0.00	0.00	0.00	2841.32
115.02	0.00	0.00	0.00	994.87	3.27	3256.19	0.00	0.00	0.00	3256.19
115.22	0.00	0.00	0.00	1073.16	3.44	3693.21	0.00	0.00	0.00	3693.21
115.42	0.00	0.00	0.00	1151.46	3.61	4151.78	0.00	0.00	0.00	4151.78
115.62	0.00	0.00	0.00	1229.75	3.77	4631.38	0.00	0.00	0.00	4631.38
115.82	0.00	0.00	0.00	1308.04	3.92	5131.53	0.00	0.00	0.00	5131.53
116.02	0.00	0.00	0.00	1386.33	4.08	5651.78	0.00	0.00	0.00	5651.78
116.22	0.00	0.00	0.00	1464.62	4.23	6191.72	0.00	0.00	0.00	6191.72
116.42	0.00	0.00	0.00	1542.91	4.38	6750.96	0.00	0.00	0.00	6750.96
116.62	0.00	0.00	0.00	1621.20	4.52	7329.15	0.00	0.00	0.00	7329.15
116.82	0.00	0.00	0.00	1699.49	4.66	7925.95	0.00	0.00	0.00	7925.95
117.02	0.00	0.00	0.00	1777.78	4.80	8541.05	0.00	0.00	0.00	8541.05
117.22	0.00	0.00	0.00	1856.07	4.94	9174.15	0.00	0.00	0.00	9174.15
117.42	0.00	0.00	0.00	1934.37	5.08	9824.96	0.00	0.00	0.00	9824.96
117.62	0.00	0.00	0.00	2012.66	5.21	10493.22	0.00	0.00	0.00	10493.22
117.82	0.00	0.00	0.00	2090.95	5.35	11178.69	0.00	0.00	0.00	11178.69
118.02	0.00	0.00	0.00	2169.24	5.48	11881.11	0.00	0.00	0.00	11881.11
118.22	0.00	0.00	0.00	2247.53	5.61	12600.25	0.00	0.00	0.00	12600.25
118.42	0.00	0.00	0.00	2325.82	5.73	13335.90	0.00	0.00	0.00	13335.90
118.62	0.00	0.00	0.00	2404.11	5.86	14087.85	0.00	0.00	0.00	14087.85
118.82	0.00	0.00	0.00	2482.40	5.98	14855.90	0.00	0.00	0.00	14855.90
119.02	0.00	0.00	0.00	2560.69	6.11	15639.84	0.00	0.00	0.00	15639.84
119.22	0.00	0.00	0.00	2638.98	6.23	16439.50	0.00	0.00	0.00	16439.50
119.42	0.00	0.00	0.00	2717.28	6.35	17254.70	0.00	0.00	0.00	17254.70
119.62	0.00	0.00	0.00	2795.57	6.47	18085.26	0.00	0.00	0.00	18085.26
119.82	0.00	0.00	0.00	2873.86	6.59	18931.01	0.00	0.00	0.00	18931.01
120.02	0.00	0.00	0.00	2952.15	6.70	19791.81	0.00	0.00	0.00	19791.81
120.22	0.00	0.00	0.00	3030.44	6.82	20667.47	0.00	0.00	0.00	20667.47
120.42	0.00	0.00	0.00	3108.73	6.93	21557.87	0.00	0.00	0.00	21557.87
120.62	0.00	0.00	0.00	3187.02	7.05	22462.85	0.00	0.00	0.00	22462.85
120.82	0.00	0.00	0.00	3265.31	7.16	23382.27	0.00	0.00	0.00	23382.27
121.02	0.00	0.00	0.00	3343.60	7.27	24316.00	0.00	0.00	0.00	24316.00
121.22	0.00	0.00	0.00	3421.89	7.38	25263.89	0.00	0.00	0.00	25263.89
121.42	0.00	0.00	0.00	3500.19	7.49	26225.82	0.00	0.00	0.00	26225.82

Project UEC Drainage Study West Area Downstream (Section B-B DWG. H-1020)

XS Geometry

STA (ft)	ELEV (ft)
0.00	102.00
53.52	101.00
102.74	100.00
112.85	99.00
119.02	98.00
124.81	97.00
131.31	96.00
140.52	95.00
160.59	94.00
176.76	93.93
192.93	94.00
212.53	95.00
221.56	96.00
228.12	97.00
234.28	98.00
241.76	99.00
260.81	100.00
493.01	101.00
626.04	102.00

Channel Partition :

Left Overbank	0.00
Right Overbank	626.04

XS Plot

Rating Curve :

Max depth	15
Increment	0.25

XS Properties

Rating Curve

Hydraulic Parameters :

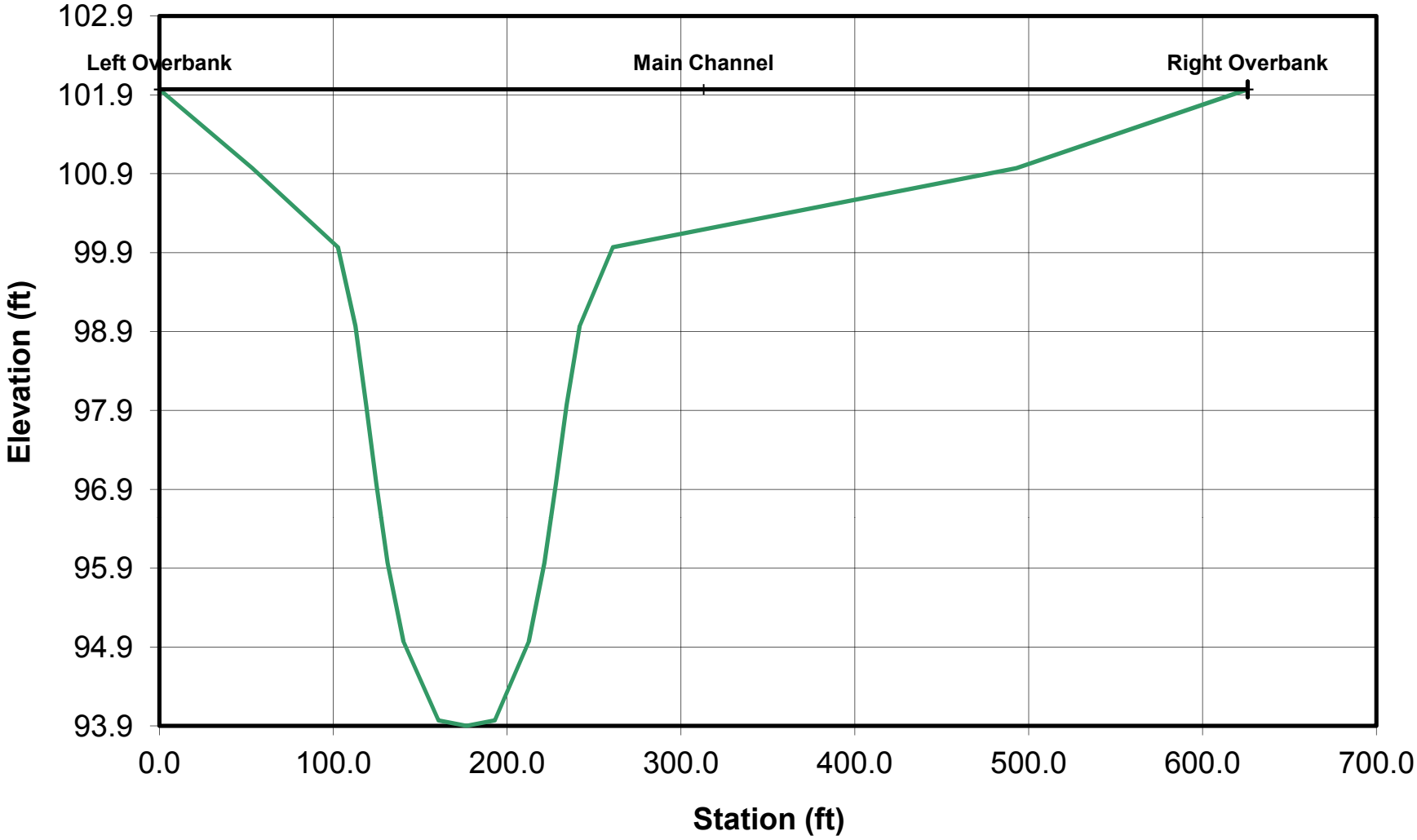
Roughness Type	n
Main Channel Roughness	0.05
Left Overbank Roughness	0.05
Right Overbank Roughness	0.05
Channel Slope	0.004

GVF Results

Boundary Conditions :

	Description	Q (cfs)	TW Elev (ft)
1	25 Year Rainfall	1088.1	97.68
2	100 Year Rainfall	1541.9	98.43
3			
4			
5			
6			
7			
8			
9			
10			

XS Plot - UEC Drainage Study West Area Downstream (Section B-B DWG. H-1020)



	Left Overbank			Main Channel			Right Overbank			Total
Elevation	A	V	Q	A	V	Q	A	V	Q	Q
(ft)	(sq ft)	(ft/s)	(cfs)	(sq ft)	(ft/s)	(cfs)	(sq ft)	(ft/s)	(cfs)	(cfs)
93.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.18	0.00	0.00	0.00	7.60	0.63	4.76	0.00	0.00	0.00	4.76
94.43	0.00	0.00	0.00	18.71	0.98	18.40	0.00	0.00	0.00	18.40
94.68	0.00	0.00	0.00	32.29	1.25	40.46	0.00	0.00	0.00	40.46
94.93	0.00	0.00	0.00	48.36	1.48	71.53	0.00	0.00	0.00	71.53
95.18	0.00	0.00	0.00	66.56	1.73	115.17	0.00	0.00	0.00	115.17
95.43	0.00	0.00	0.00	85.96	1.97	169.56	0.00	0.00	0.00	169.56
95.68	0.00	0.00	0.00	106.49	2.19	233.46	0.00	0.00	0.00	233.46
95.93	0.00	0.00	0.00	128.16	2.39	306.90	0.00	0.00	0.00	306.90
96.18	0.00	0.00	0.00	150.89	2.60	392.20	0.00	0.00	0.00	392.20
96.43	0.00	0.00	0.00	174.45	2.80	487.97	0.00	0.00	0.00	487.97
96.68	0.00	0.00	0.00	198.83	2.98	593.29	0.00	0.00	0.00	593.29
96.93	0.00	0.00	0.00	224.02	3.16	708.19	0.00	0.00	0.00	708.19
97.18	0.00	0.00	0.00	250.01	3.33	833.63	0.00	0.00	0.00	833.63
97.43	0.00	0.00	0.00	276.74	3.50	969.06	0.00	0.00	0.00	969.06
97.68	0.00	0.00	0.00	304.23	3.66	1114.14	0.00	0.00	0.00	1114.14
97.93	0.00	0.00	0.00	332.46	3.82	1268.93	0.00	0.00	0.00	1268.93
98.18	0.00	0.00	0.00	361.47	3.96	1431.23	0.00	0.00	0.00	1431.23
98.43	0.00	0.00	0.00	391.33	4.10	1602.61	0.00	0.00	0.00	1602.61
98.68	0.00	0.00	0.00	422.03	4.23	1784.09	0.00	0.00	0.00	1784.09
98.93	0.00	0.00	0.00	453.60	4.36	1975.81	0.00	0.00	0.00	1975.81
99.18	0.00	0.00	0.00	486.26	4.42	2149.73	0.00	0.00	0.00	2149.73
99.43	0.00	0.00	0.00	520.71	4.47	2326.18	0.00	0.00	0.00	2326.18
99.68	0.00	0.00	0.00	556.99	4.52	2516.90	0.00	0.00	0.00	2516.90
99.93	0.00	0.00	0.00	595.08	4.57	2722.24	0.00	0.00	0.00	2722.24
100.18	0.00	0.00	0.00	639.09	3.95	2527.16	0.00	0.00	0.00	2527.16
100.43	0.00	0.00	0.00	700.06	3.46	2425.12	0.00	0.00	0.00	2425.12
100.68	0.00	0.00	0.00	778.63	3.20	2493.29	0.00	0.00	0.00	2493.29
100.93	0.00	0.00	0.00	874.78	3.06	2679.43	0.00	0.00	0.00	2679.43
101.18	0.00	0.00	0.00	986.99	3.07	3025.89	0.00	0.00	0.00	3025.89
101.43	0.00	0.00	0.00	1111.08	3.12	3462.53	0.00	0.00	0.00	3462.53
101.68	0.00	0.00	0.00	1246.84	3.18	3962.63	0.00	0.00	0.00	3962.63
101.93	0.00	0.00	0.00	1394.26	3.25	4528.82	0.00	0.00	0.00	4528.82
102.18	0.00	0.00	0.00	1538.34	3.42	5260.00	0.00	0.00	0.00	5260.00
102.43	0.00	0.00	0.00	1678.22	3.62	6079.45	0.00	0.00	0.00	6079.45
102.68	0.00	0.00	0.00	1818.10	3.82	6945.39	0.00	0.00	0.00	6945.39
102.93	0.00	0.00	0.00	1957.98	4.01	7856.53	0.00	0.00	0.00	7856.53
103.18	0.00	0.00	0.00	2097.86	4.20	8811.73	0.00	0.00	0.00	8811.73
103.43	0.00	0.00	0.00	2237.74	4.38	9809.94	0.00	0.00	0.00	9809.94
103.68	0.00	0.00	0.00	2377.62	4.56	10850.19	0.00	0.00	0.00	10850.19
103.93	0.00	0.00	0.00	2517.51	4.74	11931.59	0.00	0.00	0.00	11931.59
104.18	0.00	0.00	0.00	2657.39	4.91	13053.33	0.00	0.00	0.00	13053.33
104.43	0.00	0.00	0.00	2797.27	5.08	14214.63	0.00	0.00	0.00	14214.63
104.68	0.00	0.00	0.00	2937.15	5.25	15414.78	0.00	0.00	0.00	15414.78
104.93	0.00	0.00	0.00	3077.03	5.41	16653.11	0.00	0.00	0.00	16653.11
105.18	0.00	0.00	0.00	3216.91	5.57	17928.99	0.00	0.00	0.00	17928.99
105.43	0.00	0.00	0.00	3356.79	5.73	19241.83	0.00	0.00	0.00	19241.83
105.68	0.00	0.00	0.00	3496.67	5.89	20591.05	0.00	0.00	0.00	20591.05
105.93	0.00	0.00	0.00	3636.56	6.04	21976.14	0.00	0.00	0.00	21976.14

Project UEC Drainage Study East Area Upstream (Section C-C DWG. H-1020)

XS Geometry

STA (ft)	ELEV (ft)
0.00	113.00
122.54	112.00
239.18	111.00
354.73	110.00
426.19	109.67
481.09	110.00
537.20	111.00
593.13	112.00
649.17	113.00

Channel Partition :

Left Overbank	0.00
Right Overbank	649.17

Rating Curve :

Max depth	15
Increment	0.05

Hydraulic Parameters :

Roughness Type	n
Main Channel Roughness	0.05
Left Overbank Roughness	0.05
Right Overbank Roughness	0.05
Channel Slope	0.004

Boundary Conditions :

	Description	Q (cfs)	TW Elev (ft)
1	25 Year Rainfall	858.96	111.62
2	100 Year Rainfall	1220.53	111.92
3			
4			
5			
6			
7			
8			
9			
10			

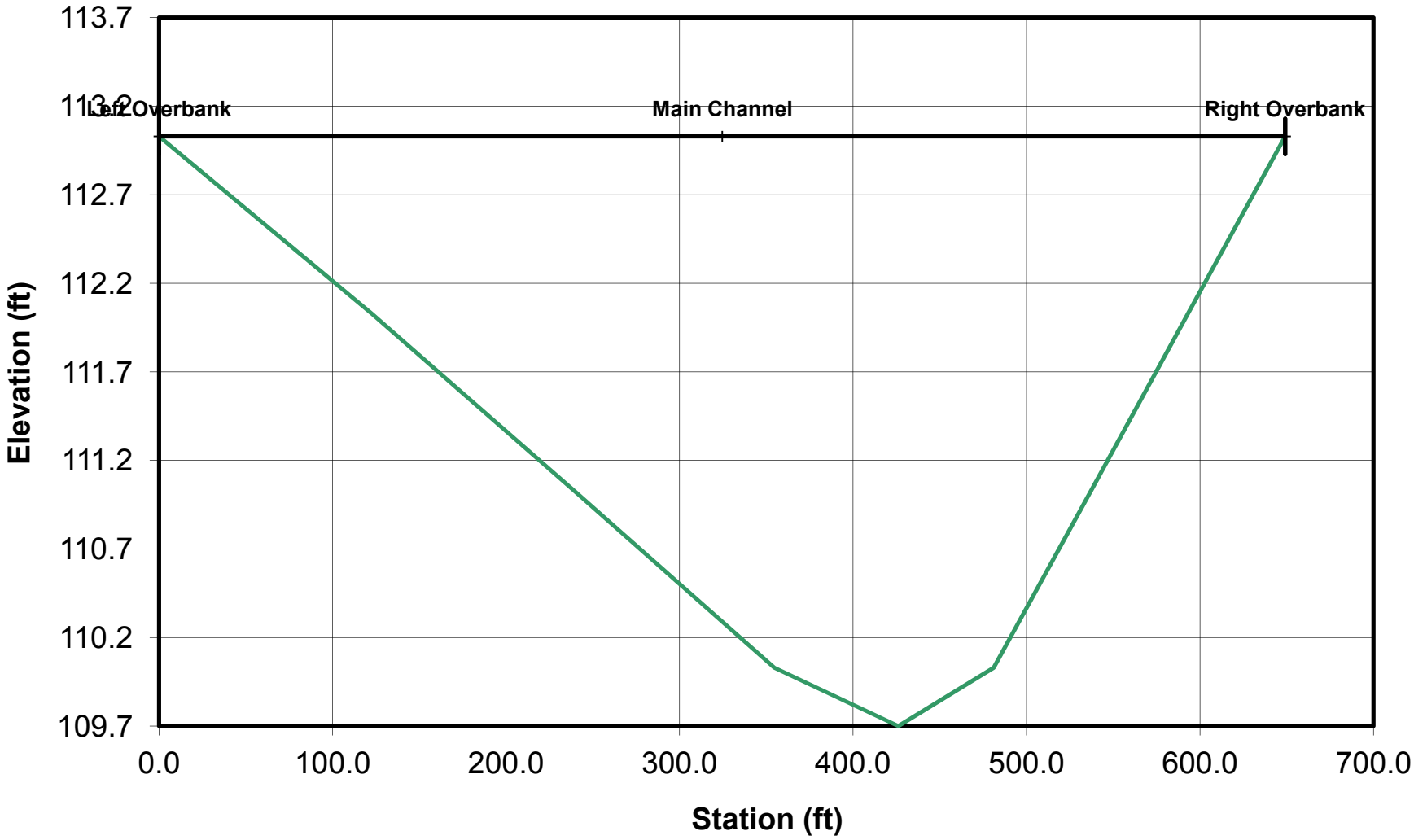
XS Plot

XS Properties

Rating Curve

GVF Results

XS Plot - UEC Drainage Study East Area Upstream (Section C-C DWG. H-1020)



	Left Overbank			Main Channel			Right Overbank			Total
Elevation	A	V	Q	A	V	Q	A	V	Q	Q
(ft)	(sq ft)	(ft/s)	(cfs)	(sq ft)	(ft/s)	(cfs)	(sq ft)	(ft/s)	(cfs)	(cfs)
109.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.82	0.00	0.00	0.00	4.31	0.33	1.44	0.00	0.00	0.00	1.44
109.97	0.00	0.00	0.00	17.23	0.53	9.14	0.00	0.00	0.00	9.14
110.12	0.00	0.00	0.00	37.25	0.75	28.04	0.00	0.00	0.00	28.04
110.27	0.00	0.00	0.00	61.22	0.94	57.64	0.00	0.00	0.00	57.64
110.42	0.00	0.00	0.00	89.06	1.10	98.12	0.00	0.00	0.00	98.12
110.57	0.00	0.00	0.00	120.76	1.24	150.25	0.00	0.00	0.00	150.25
110.72	0.00	0.00	0.00	156.32	1.37	214.87	0.00	0.00	0.00	214.87
110.87	0.00	0.00	0.00	195.75	1.50	292.80	0.00	0.00	0.00	292.80
111.02	0.00	0.00	0.00	239.03	1.61	384.87	0.00	0.00	0.00	384.87
111.17	0.00	0.00	0.00	286.20	1.72	491.81	0.00	0.00	0.00	491.81
111.32	0.00	0.00	0.00	337.24	1.82	614.55	0.00	0.00	0.00	614.55
111.47	0.00	0.00	0.00	392.17	1.92	753.88	0.00	0.00	0.00	753.88
111.62	0.00	0.00	0.00	450.98	2.02	910.59	0.00	0.00	0.00	910.59
111.77	0.00	0.00	0.00	513.67	2.11	1085.42	0.00	0.00	0.00	1085.42
111.92	0.00	0.00	0.00	580.25	2.20	1279.15	0.00	0.00	0.00	1279.15
112.07	0.00	0.00	0.00	650.72	2.29	1491.69	0.00	0.00	0.00	1491.69
112.22	0.00	0.00	0.00	725.20	2.38	1723.79	0.00	0.00	0.00	1723.79
112.37	0.00	0.00	0.00	803.69	2.46	1977.18	0.00	0.00	0.00	1977.18
112.52	0.00	0.00	0.00	886.20	2.54	2252.59	0.00	0.00	0.00	2252.59
112.67	0.00	0.00	0.00	972.72	2.62	2550.74	0.00	0.00	0.00	2550.74
112.82	0.00	0.00	0.00	1063.27	2.70	2872.36	0.00	0.00	0.00	2872.36
112.97	0.00	0.00	0.00	1157.83	2.78	3218.14	0.00	0.00	0.00	3218.14
113.12	0.00	0.00	0.00	1251.76	2.91	3644.29	0.00	0.00	0.00	3644.29
113.27	0.00	0.00	0.00	1344.93	3.05	4106.86	0.00	0.00	0.00	4106.86
113.42	0.00	0.00	0.00	1438.11	3.19	4591.19	0.00	0.00	0.00	4591.19
113.57	0.00	0.00	0.00	1531.28	3.33	5096.77	0.00	0.00	0.00	5096.77
113.72	0.00	0.00	0.00	1624.45	3.46	5623.16	0.00	0.00	0.00	5623.16
113.87	0.00	0.00	0.00	1717.62	3.59	6169.93	0.00	0.00	0.00	6169.93
114.02	0.00	0.00	0.00	1810.80	3.72	6736.70	0.00	0.00	0.00	6736.70
114.17	0.00	0.00	0.00	1903.97	3.85	7323.10	0.00	0.00	0.00	7323.10
114.32	0.00	0.00	0.00	1997.14	3.97	7928.80	0.00	0.00	0.00	7928.80
114.47	0.00	0.00	0.00	2090.31	4.09	8553.47	0.00	0.00	0.00	8553.47
114.62	0.00	0.00	0.00	2183.49	4.21	9196.81	0.00	0.00	0.00	9196.81
114.77	0.00	0.00	0.00	2276.66	4.33	9858.55	0.00	0.00	0.00	9858.55
114.92	0.00	0.00	0.00	2369.83	4.45	10538.42	0.00	0.00	0.00	10538.42
115.07	0.00	0.00	0.00	2463.00	4.56	11236.16	0.00	0.00	0.00	11236.16
115.22	0.00	0.00	0.00	2556.18	4.68	11951.54	0.00	0.00	0.00	11951.54
115.37	0.00	0.00	0.00	2649.35	4.79	12684.32	0.00	0.00	0.00	12684.32
115.52	0.00	0.00	0.00	2742.52	4.90	13434.28	0.00	0.00	0.00	13434.28
115.67	0.00	0.00	0.00	2835.69	5.01	14201.23	0.00	0.00	0.00	14201.23
115.82	0.00	0.00	0.00	2928.87	5.12	14984.94	0.00	0.00	0.00	14984.94
115.97	0.00	0.00	0.00	3022.04	5.22	15785.25	0.00	0.00	0.00	15785.25
116.12	0.00	0.00	0.00	3115.21	5.33	16601.95	0.00	0.00	0.00	16601.95
116.27	0.00	0.00	0.00	3208.38	5.43	17434.88	0.00	0.00	0.00	17434.88
116.42	0.00	0.00	0.00	3301.56	5.54	18283.86	0.00	0.00	0.00	18283.86
116.57	0.00	0.00	0.00	3394.73	5.64	19148.73	0.00	0.00	0.00	19148.73
116.72	0.00	0.00	0.00	3487.90	5.74	20029.34	0.00	0.00	0.00	20029.34
116.87	0.00	0.00	0.00	3581.07	5.84	20925.52	0.00	0.00	0.00	20925.52

Project UEC Drainage Study East Area Downstream (Section D-D DWG. H-1020)

XS Geometry

STA (ft)	ELEV (ft)
0.00	102.00
90.05	101.00
168.19	100.00
224.13	99.00
253.53	98.00
281.23	97.00
310.62	96.00
348.19	95.00
404.54	94.40
460.97	95.00
494.45	96.00
520.30	97.00
544.58	98.00
570.33	99.00
603.46	100.00
701.21	101.00
800.00	102.00

Channel Partition :

Left Overbank	0.00
Right Overbank	800.00

XS Plot

Rating Curve :

Max depth	15
Increment	0.05

XS Properties

Rating Curve

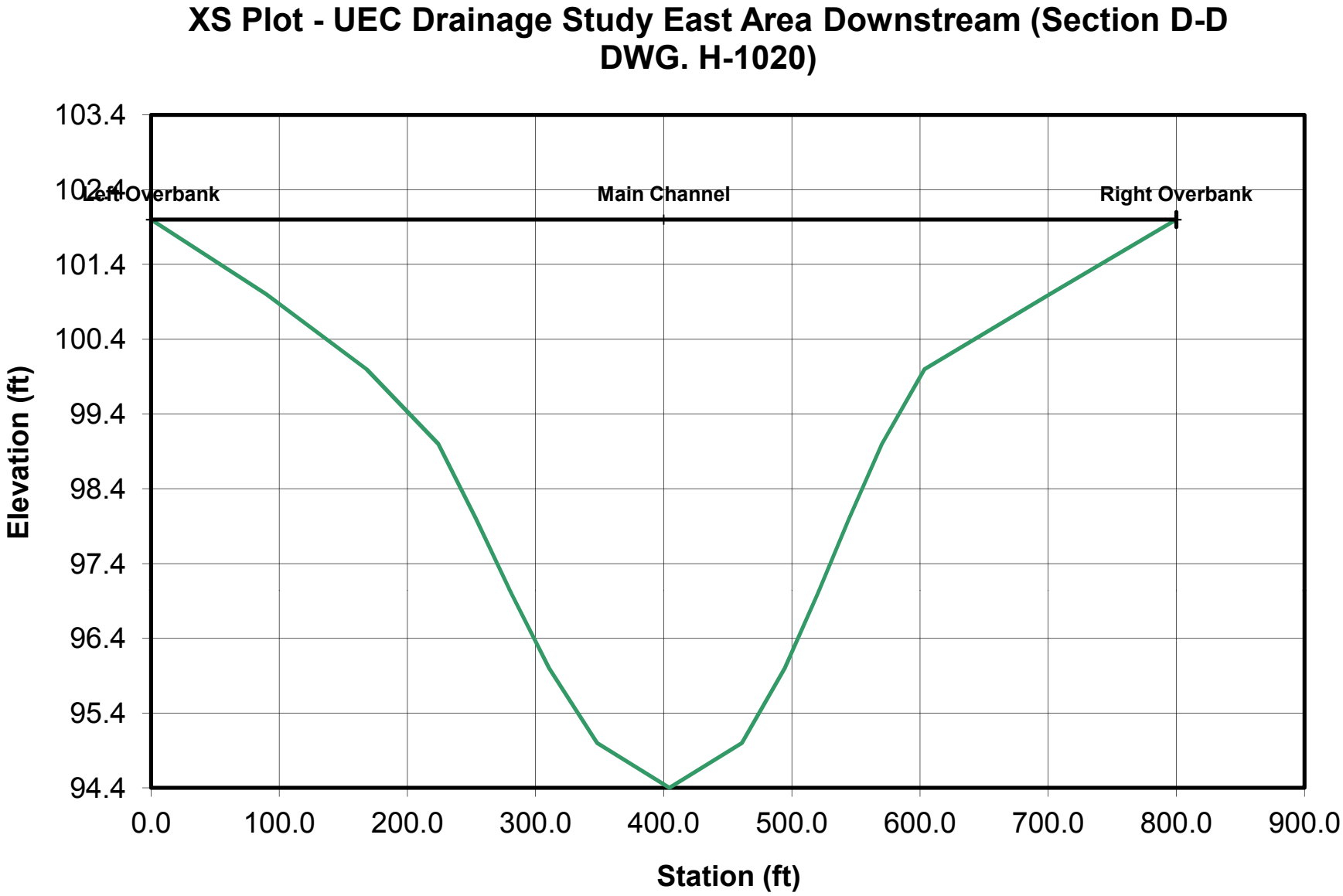
Hydraulic Parameters :

Roughness Type	n
Main Channel Roughness	0.05
Left Overbank Roughness	0.05
Right Overbank Roughness	0.05
Channel Slope	0.004

GVF Results

Boundary Conditions :

	Description	Q (cfs)	TW Elev (ft)
1	25 Year Rainfall	1335.9	97.55
2	100 Year Rainfall	1894.8	98
3			
4			
5			
6			
7			
8			
9			
10			


XS Plot - UEC Drainage Study East Area Downstream (Section D-D DWG. H-1020)
Left Overbank
Main Channel
Right Overbank
Elevation (ft)
103.4
102.4
101.4
100.4
99.4
98.4
97.4
96.4
95.4
94.4
0.0
100.0
200.0
300.0
400.0
500.0
600.0
700.0
800.0
900.0
Station (ft)

	Left Overbank			Main Channel			Right Overbank			Total
Elevation	A	V	Q	A	V	Q	A	V	Q	Q
(ft)	(sq ft)	(ft/s)	(cfs)	(sq ft)	(ft/s)	(cfs)	(sq ft)	(ft/s)	(cfs)	(cfs)
94.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.55	0.00	0.00	0.00	2.11	0.33	0.71	0.00	0.00	0.00	0.71
94.70	0.00	0.00	0.00	8.46	0.53	4.49	0.00	0.00	0.00	4.49
94.85	0.00	0.00	0.00	19.03	0.70	13.23	0.00	0.00	0.00	13.23
95.00	0.00	0.00	0.00	33.83	0.84	28.50	0.00	0.00	0.00	28.50
95.15	0.00	0.00	0.00	51.55	1.05	54.13	0.00	0.00	0.00	54.13
95.30	0.00	0.00	0.00	70.87	1.23	87.06	0.00	0.00	0.00	87.06
95.45	0.00	0.00	0.00	91.78	1.39	127.30	0.00	0.00	0.00	127.30
95.60	0.00	0.00	0.00	114.29	1.53	175.00	0.00	0.00	0.00	175.00
95.75	0.00	0.00	0.00	138.40	1.66	230.35	0.00	0.00	0.00	230.35
95.90	0.00	0.00	0.00	164.11	1.79	293.56	0.00	0.00	0.00	293.56
96.05	0.00	0.00	0.00	191.40	1.91	365.85	0.00	0.00	0.00	365.85
96.20	0.00	0.00	0.00	220.01	2.04	448.29	0.00	0.00	0.00	448.29
96.35	0.00	0.00	0.00	249.86	2.16	539.01	0.00	0.00	0.00	539.01
96.50	0.00	0.00	0.00	280.96	2.27	638.14	0.00	0.00	0.00	638.14
96.65	0.00	0.00	0.00	313.30	2.38	745.83	0.00	0.00	0.00	745.83
96.80	0.00	0.00	0.00	346.88	2.49	862.23	0.00	0.00	0.00	862.23
96.95	0.00	0.00	0.00	381.70	2.59	987.48	0.00	0.00	0.00	987.48
97.10	0.00	0.00	0.00	417.76	2.69	1122.69	0.00	0.00	0.00	1122.69
97.25	0.00	0.00	0.00	454.98	2.79	1267.48	0.00	0.00	0.00	1267.48
97.40	0.00	0.00	0.00	493.38	2.88	1421.54	0.00	0.00	0.00	1421.54
97.55	0.00	0.00	0.00	532.94	2.97	1585.00	0.00	0.00	0.00	1585.00
97.70	0.00	0.00	0.00	573.67	3.06	1758.02	0.00	0.00	0.00	1758.02
97.85	0.00	0.00	0.00	615.58	3.15	1940.75	0.00	0.00	0.00	1940.75
98.00	0.00	0.00	0.00	658.65	3.24	2133.33	0.00	0.00	0.00	2133.33
98.15	0.00	0.00	0.00	702.93	3.32	2333.64	0.00	0.00	0.00	2333.64
98.30	0.00	0.00	0.00	748.45	3.40	2544.23	0.00	0.00	0.00	2544.23
98.45	0.00	0.00	0.00	795.21	3.48	2765.25	0.00	0.00	0.00	2765.25
98.60	0.00	0.00	0.00	843.21	3.55	2996.90	0.00	0.00	0.00	2996.90
98.75	0.00	0.00	0.00	892.45	3.63	3239.33	0.00	0.00	0.00	3239.33
98.90	0.00	0.00	0.00	942.93	3.70	3492.72	0.00	0.00	0.00	3492.72
99.05	0.00	0.00	0.00	994.70	3.77	3745.40	0.00	0.00	0.00	3745.40
99.20	0.00	0.00	0.00	1048.30	3.80	3987.15	0.00	0.00	0.00	3987.15
99.35	0.00	0.00	0.00	1103.90	3.84	4242.65	0.00	0.00	0.00	4242.65
99.50	0.00	0.00	0.00	1161.51	3.88	4512.18	0.00	0.00	0.00	4512.18
99.65	0.00	0.00	0.00	1221.12	3.93	4796.01	0.00	0.00	0.00	4796.01
99.80	0.00	0.00	0.00	1282.74	3.97	5094.43	0.00	0.00	0.00	5094.43
99.95	0.00	0.00	0.00	1346.36	4.02	5407.71	0.00	0.00	0.00	5407.71
100.10	0.00	0.00	0.00	1412.42	4.01	5665.54	0.00	0.00	0.00	5665.54
100.25	0.00	0.00	0.00	1482.32	3.99	5913.14	0.00	0.00	0.00	5913.14
100.40	0.00	0.00	0.00	1556.19	3.98	6187.36	0.00	0.00	0.00	6187.36
100.55	0.00	0.00	0.00	1634.01	3.97	6487.90	0.00	0.00	0.00	6487.90
100.70	0.00	0.00	0.00	1715.79	3.97	6814.65	0.00	0.00	0.00	6814.65
100.85	0.00	0.00	0.00	1801.53	3.98	7167.62	0.00	0.00	0.00	7167.62
101.00	0.00	0.00	0.00	1891.22	3.99	7546.94	0.00	0.00	0.00	7546.94
101.15	0.00	0.00	0.00	1985.02	4.00	7937.68	0.00	0.00	0.00	7937.68
101.30	0.00	0.00	0.00	2083.07	4.01	8356.90	0.00	0.00	0.00	8356.90
101.45	0.00	0.00	0.00	2185.37	4.03	8804.83	0.00	0.00	0.00	8804.83
101.60	0.00	0.00	0.00	2291.91	4.05	9281.79	0.00	0.00	0.00	9281.79

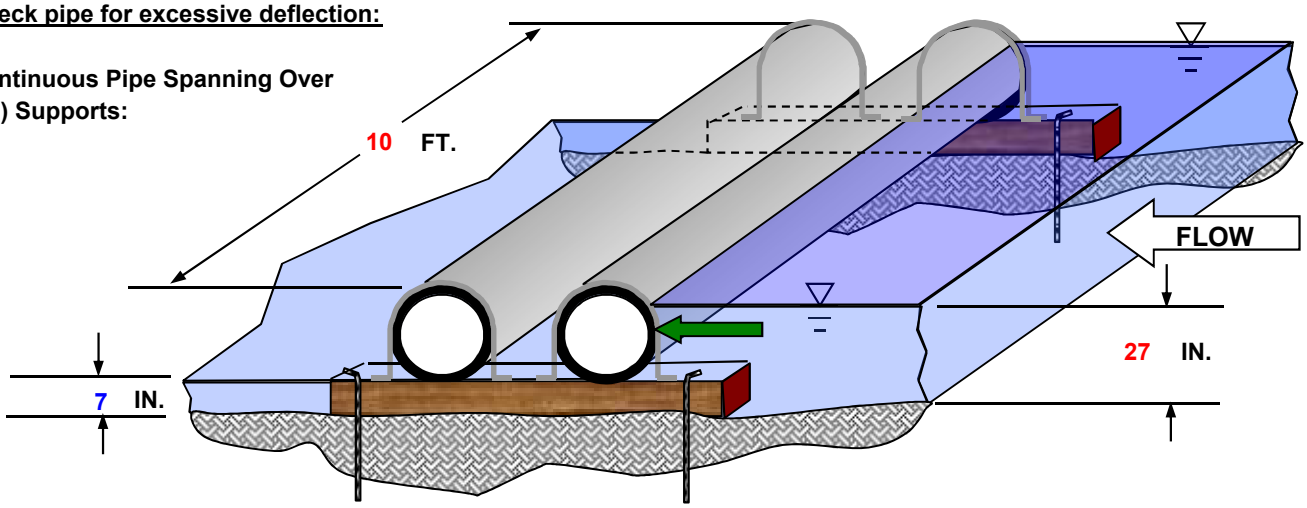
Attachment 6.5 - Pipeline Stability Calculations

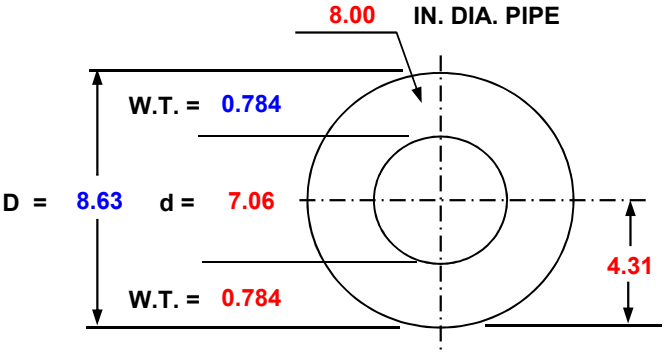
8 INCH DIA. PIPE, CALCULATIONS FOR PIPES AND PIPE SUPPORTS:

PIPE DIAMETER:	8	INCHES	MOD. OF ELASTICITY:	22,000	P.S.I.
DISTANCE BETWEEN SUPPORTS:	10	FEET	MOMENT OF INERTIA, I =	150	IN. ^{4}
DEPTH OF WATER @ PEAK FLOW:	2.25	FEET	SECTION MODULUS, S =	35	IN. ^{3}
CALCULATED FORCE ON PIPE / L.F. :	158	P.L.F.	WEIGHT OF WATER, g =	62.4	LBS./ FT. ^{3}
CALCULATED SHEAR PER STAKE:	790	LBS.	WEIGHT OF PIPE =	8.47	LBS./ FT. ^{2}

Check pipe for excessive deflection:

Continuous Pipe Spanning Over
(5) Supports:





MAXIMUM DEFLECTION FROM SHT. 2 OF 2:

△ MAX. = 5.380 INCHES

f_b CALCULATED = 58.40 P.S.I.

f_b TENSILE @ YIELD = 2,160 P.S.I.

$I = 0.049087 (D^4 - d^4)$

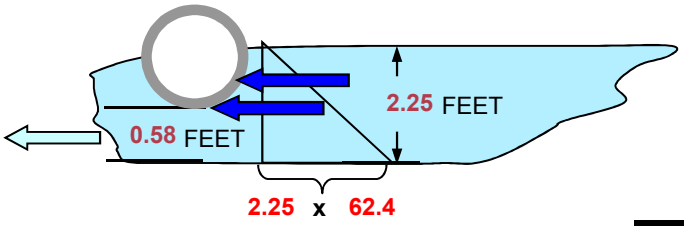
$I = 0.0491 \times (8.63 - 7.06)$

$I = 150$ IN. ^{4}

$S = \frac{0.098175 (D^4 - d^4)}{D}$

$S = 0.0982 \times (8.63 - 7.06) / 8.63$

$S = 35$ IN. ^{3}



CALCULATED RESULT. FORCE
AT EACH SUPPORT: 1,580 LBS.

ADDITIONAL FORCE DUE WATER MOMENTUM:

FORCE APPLIED / SQ. FT.: 18.56 P.S.F.

TOTAL FORCE / SUPPORT: 133 LBS.

BHP ENGINEERING & CONSTRUCTION, INC.
715 OAK PARK AVENUE
Corpus Christi, TX 78408
(361) 693-6204 Fax: (361) 884-3522

URANIUM ENERGY CORP.
BURK HOLLOW MINING SITE
CALCULATION OF WATER SURCHARGE LOADS ON 8" MAIN
8 IN. PIPE SUPPORT AND RESTRAINT SYSTEM

Drawn by:	R.B.T.	Date:	1/28/2013	PLANT:	Burk Hollow
Checked by:	J.C.F.	Date:	1/28/2013	SCALE:	Not To Scale
Appr'vd. By:	R.B.T.	Date:	1/28/2013	DWG. No.	REV.
Appr'vd. By:		Date:		1 OF 2	0

8 INCH DIA. PIPE, CALCULATIONS FOR PIPES AND PIPE SUPPORTS, CONT'D:

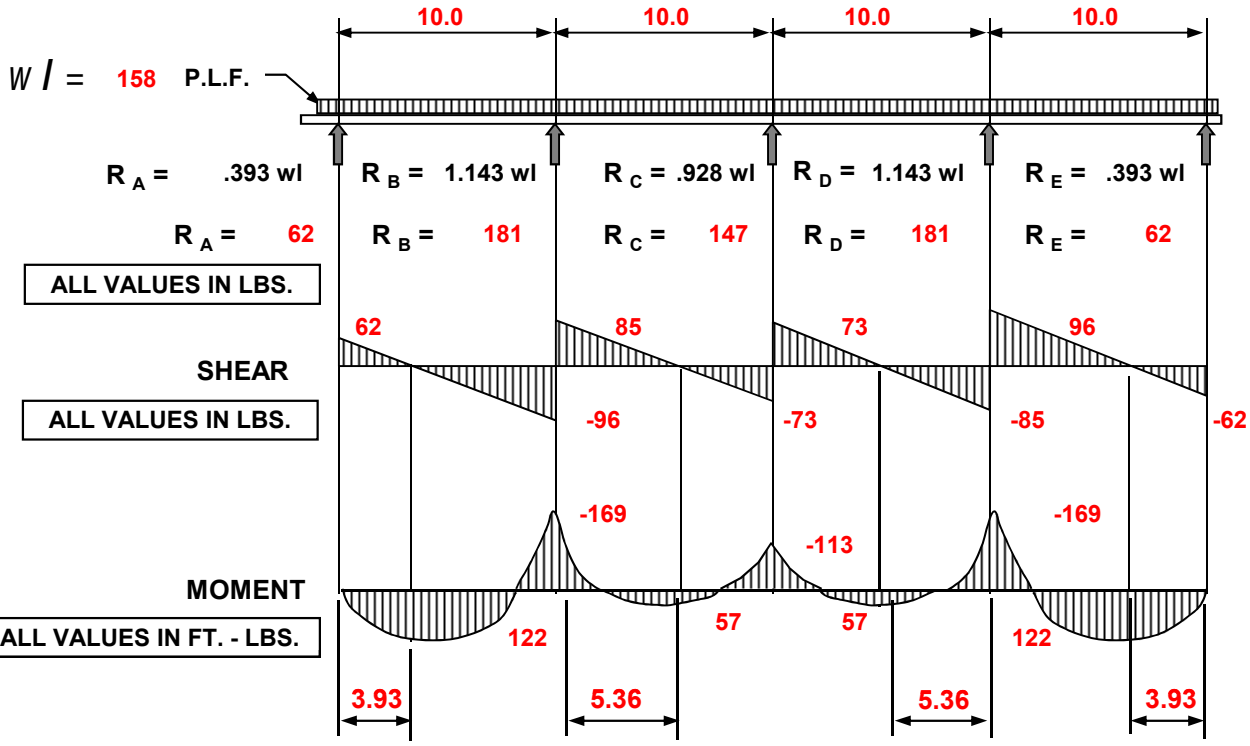
CHECK STRESS (@ MAXIMUM DEFLECTION) LOCATION:

MAXIMUM DEFLECTION OCCURS AT 0.44 L (FROM A & E SUPPORTS) = 0.0065 x wl^4 / ExI

L = 120 INCHES

w = 13.16 LBS. / INCH

$\triangle$ MAX. = 5.380 INCHES



MAXIMUM DEFLECTION @ SUPPORTS B & D:

$f_b = M_{max.} / S_{ACT.}$ = f_b = 2,030 / 35 = 58.40 P.S.I.

f_b TENSILE @ YIELD = 2,160 P.S.I. > 58.40 P.S.I.

BHP ENGINEERING & CONSTRUCTION, INC.
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Corpus Christi, TX 78408
(361) 693-6204 Fax: (361) 884-3522

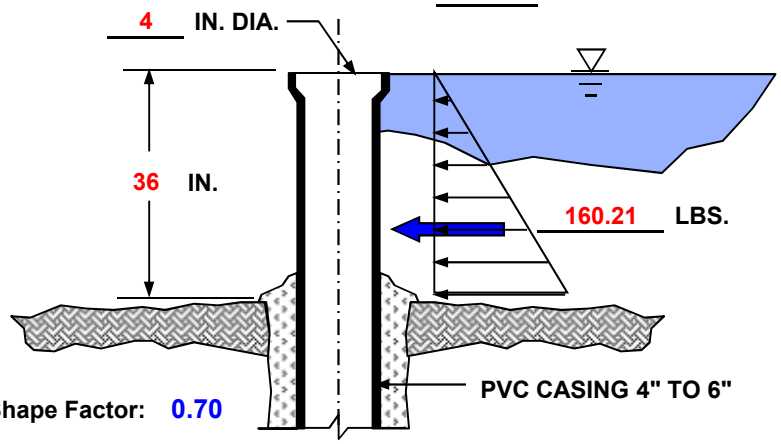
URANIUM ENERGY CORP.
BURK HOLLOW MINING SITE
CALCULATION OF WATER SURCHARGE LOADS ON 8" MAIN
8 IN. PIPE SUPPORT AND RESTRAINT SYSTEM

Drawn by:	R.B.T.	Date:	1/28/2013	PLANT:	Burk Hollow
Checked by:	J.C.F.	Date:	1/28/2013	SCALE:	Not To Scale
Appr'vd. By:	R.B.T.	Date:	1/28/2013	DWG. No.	REV.
Appr'vd. By:		Date:		2 OF 2	0

Attachment 6.6 - Wellhead Stability Calculations

4 INCH DIA. PIPE, CALCULATIONS FOR PIPES AND PIPE SUPPORTS:

PIPE DIAMETER, PVC:	4	INCHES	MOD. OF ELASTICITY:	400,000	P.S.I.
SCHEDULE OF PIPE, 40 , WALL THK.:	0.322	INCHES	MOMENT OF INERTIA, I =	8.47	IN. ^{4}
DEPTH OF WATER @ PEAK FLOW:	1.76	FEET	SECTION MODULUS, S =	3.87	IN. ^{3}
CALCULATED RESULT. FORCE ON PIPE:	97	P.L.F.	WEIGHT OF WATER, g =	62.4	LBS./ FT. ^{3}
CALCULATED SHEAR @ BASE:	16	LBS.	WEIGHT OF WATER, g =	0.036	LBS./ IN. ^{3}
RESULTANT FORCE, W:	71.66	LBS.	WEIGHT OF PIPE =	3.15	LBS./ FT. ^{2}
	88.55	LBS.			



$M_{max.} = W / / 3$

$M_{max.} = 160.21 \times 36.0 / 3$

$M_{max.} = 1{,}922.55$ IN. - LBS.

$\triangle_{MAX.} = \dfrac{W / 3}{15 \times E \times I}$

$\triangle_{MAX.} = \dfrac{160.21 \times 46{,}656}{15 \times 400{,}000 \times 8.47}$

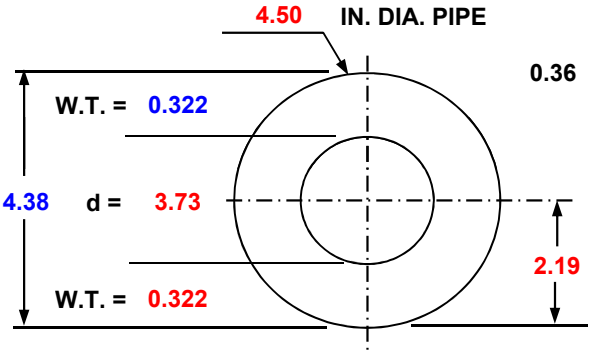
$\triangle_{MAX.} = 0.147$ INCHES

MAXIMUM DEFLECTION FROM SHT. 2 OF 2:

$\triangle_{MAX.} =$ 0.724 INCHES

f_b CALCULATED = 35.75 P.S.I.

f_b TENSILE @ YIELD = 2,160 P.S.I.



$I = 0.049087 (D^4 - d^4)$

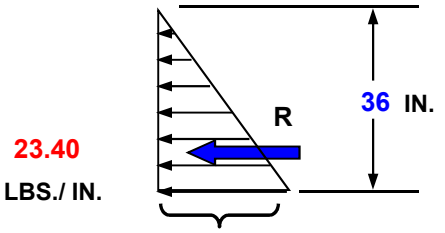
$I = 0.0491 \times (4.38 - 3.73)$

$I = 8.47$ IN. ^{4}

$S = \dfrac{0.098175 (D^4 - d^4)}{D}$

$S = 0.0982 \times (4.38 - 3.73) / 4.38$

$S = 3.87$ IN. ^{3}



36 x 0.036 LBS./ IN. ^{3}

CALCULATED RESULT. FORCE PER INCH OF WIDTH OF PIPE: 23.40 LBS. / IN.

ADDITIONAL FORCE DUE WATER MOMENTUM:

FORCE APPLIED / SQ. FT.: 20.24 P.S.F.

TOTAL FORCE / BASE SUPPORT: 88.55 LBS.

BHP ENGINEERING & CONSTRUCTION, INC.
715 OAK PARK AVENUE
Corpus Christi, TX 78408
(361) 693-6204 Fax: (361) 884-3522

URANIUM ENERGY CORP.
BURK HOLLOW MINING SITE
CALCULATION OF WATER LOADS ON 4" WELL HEAD RISER
4 IN. PIPE #

Drawn by:	R.B.T.	Date:	1/30/2012	PLANT:	Burk Hollow
Checked by:	J.C.F.	Date:	1/30/2012	Proj. No.	-
Appr'vd. By:	R.B.T.	Date:	1/30/2012	DWG. No.	REV.
Appr'vd. By:		Date:		1 OF 2	0

4 INCH DIA. PIPE, CALCULATIONS FOR WELL HEAD EXTENSIONS:

CHECK STRESS (@ MAXIMUM DEFLECTION) LOCATION:

MAXIMUM DEFLECTION OCCURS AT END OF WELL PIPE. $\frac{1}{15} \times w l^3 / E x I$

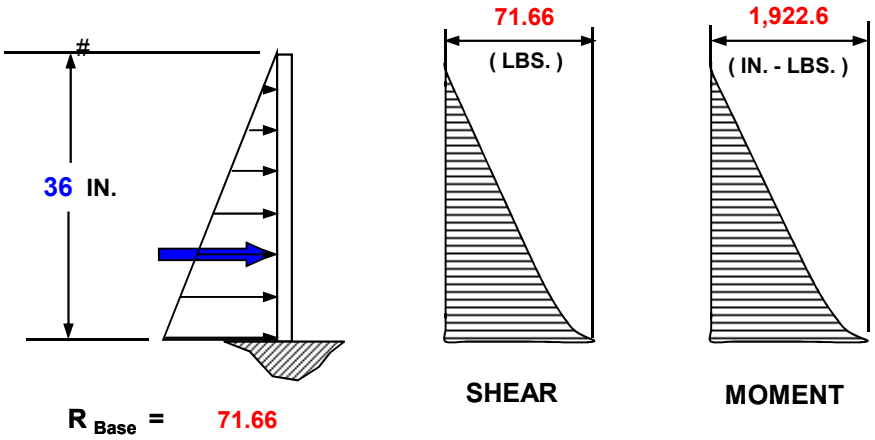
L = 36.0 INCHES $\triangle$ MAX. = 0.147 INCHES

W = 71.66 LBS. / INCH MOD. OF ELASTICITY: 200,000 P.S.I.

MOMENT OF INERTIA, I = 8.47 IN.^{4}

SECTION MODULUS, S = 3.87 IN.^{3}

CANTILEVERED BEAM - LOAD INCREASING UNIFORMLY, AISC 8th Edition, pg. 2-302, no. 18:



R_{Base} = 71.66

MAXIMUM DEFLECTION @ BASE SUPPORT:

$f_b = M_{max.} / S_{ACT.}$ = f_b = 1,922.6 / 3.87 = 496.42 P.S.I.

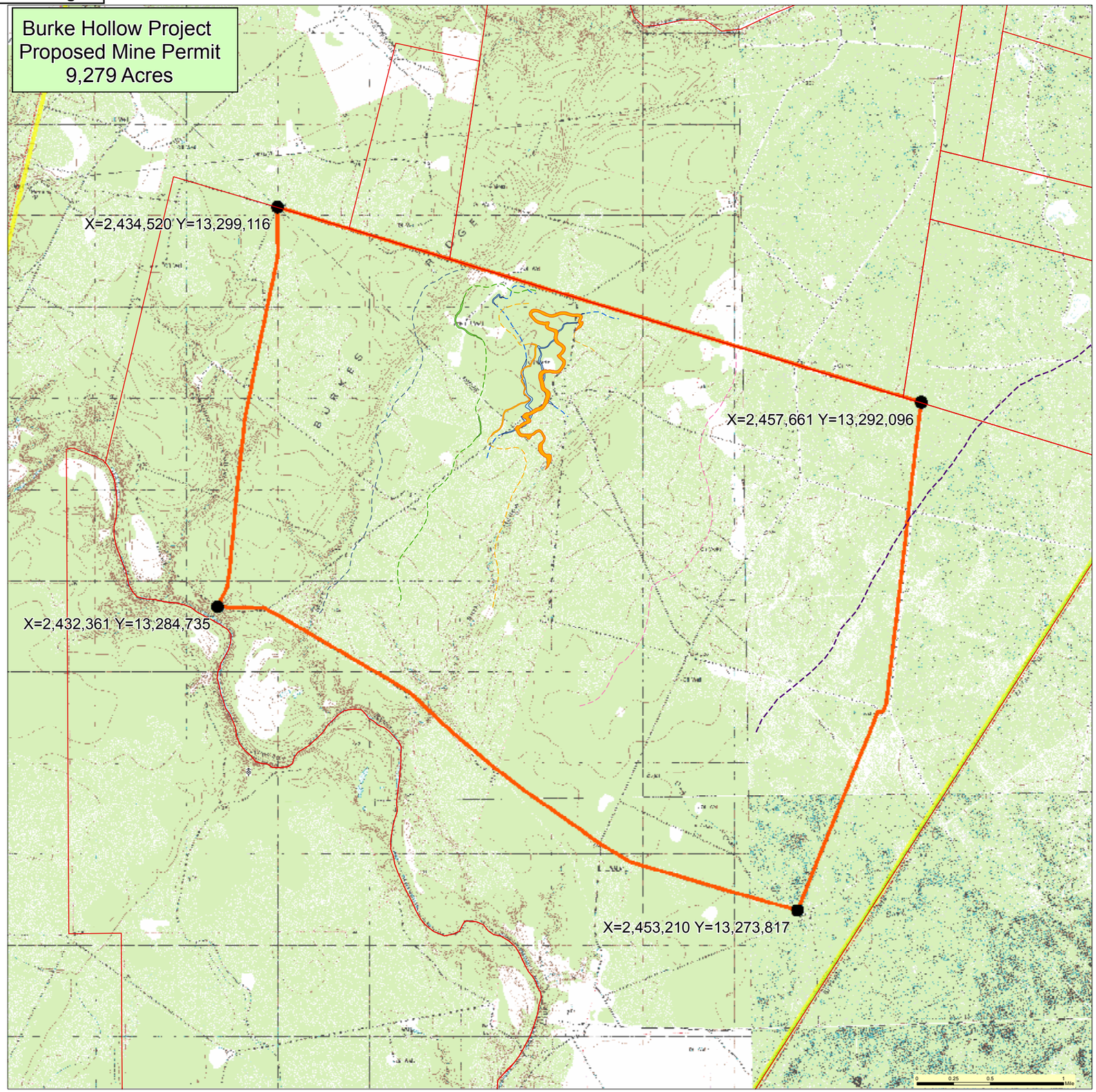
f_b TENSILE @ YIELD = 2,160 P.S.I. > 496.42 P.S.I.

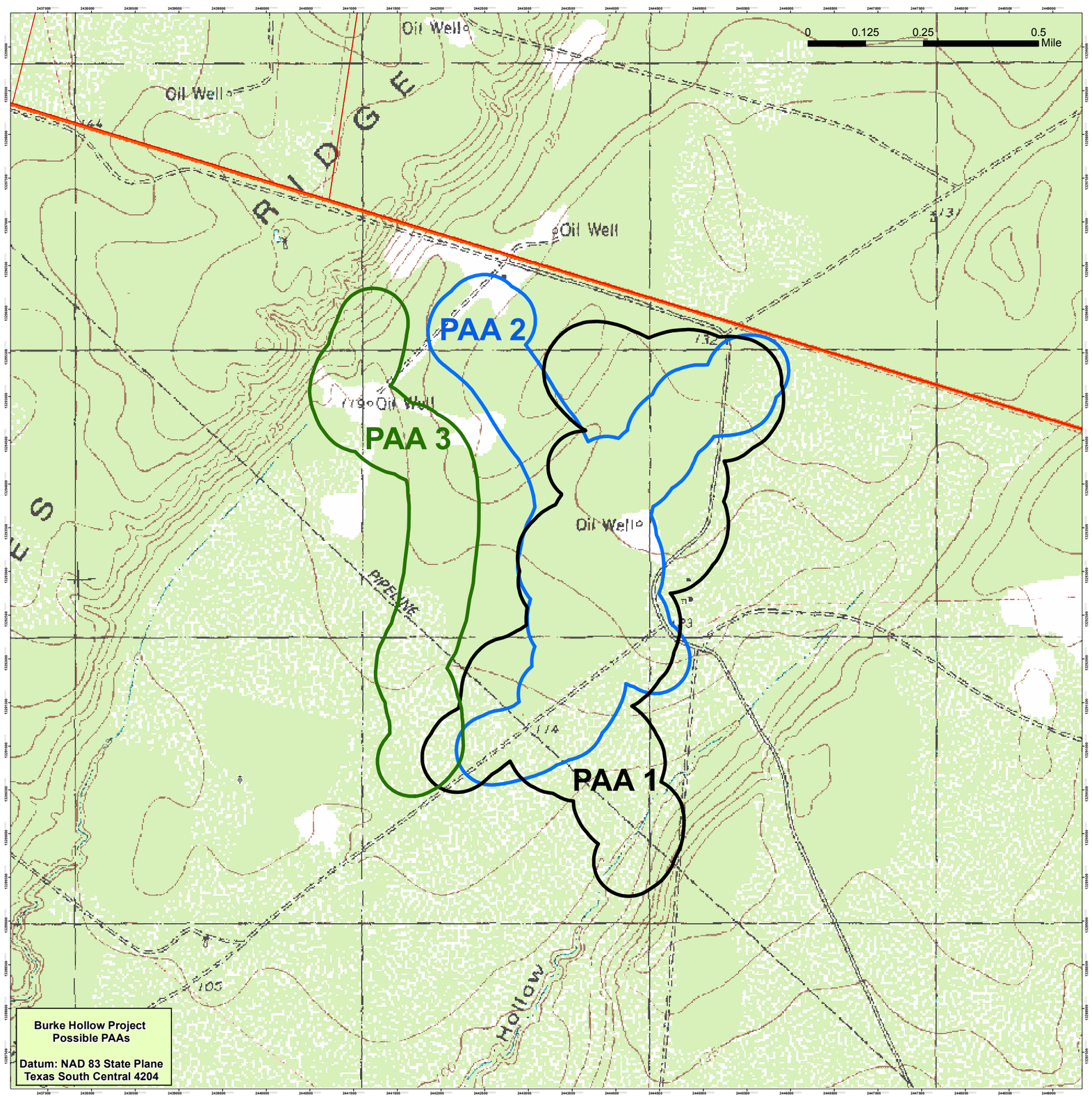
BHP ENGINEERING & CONSTRUCTION, INC.
715 OAK PARK AVENUE
Corpus Christi, TX 78408
(361) 693-6204 Fax: (361) 884-3522

URANIUM ENERGY CORP.
BURK HOLLOW MINING SITE
CALCULATION OF WATER LOADS ON 4" WELL HEAD RISER
4 IN. PIPE SUPPORT AND RESTRAINT SYSTEM

BURK HOLLO	R.B.T.	Date:	1/30/2012	PLANT:	Burk Hollow
Checked by:	J.C.F.	Date:	1/30/2012	Proj. No.	-
Appr'vd. By:	R.B.T.	Date:	1/30/2012	DWG. No.	REV.
Appr'vd. By:		Date:	1/30/2012	2 OF 2	0

Attachment 6.7 - Site Information and Drawings




0
0.125
0.25
0.5
Mile
Oil Well
Oil Well
Oil Well
Oil Well
Oil Well
Oil Well
PAA 2
PAA 3
PAA 1
PIPELINE
RIDGE
HOLLOW
Burke Hollow Project
Possible PAAs
Datum: NAD 83 State Plane
Texas South Central 4204

MAX. WIDTH OF STREAM SURFACE DURING 100 YEAR STORM

STORM WATER FLOW PATH

NOTE:
FOR CROSS-SECTIONS REFER TO DWG. H-1021. FOR SUPPTORT REQUIREMENTS REFER TO DWG. H-1022

Oil Well

Oil Well

Oil Well

SUB 1
257.6 ACRES

SUB 2
442.7 ACRES

SUB 3
570.2 ACRES

SUB 4
514.3 ACRES

PROPOSED WELL FIELD FOR PRODUCTION AREAS PAA-1, 2 & 3

PIPELINE

BURKES

Gully

HOLLOW

A A B B C C D D

GRAPHIC SCALE
250 0 500 1000 2000
(IN FEET)

NOTES	NO.	REFERENCE DRAWINGS	NO.	REVISIONS	BY	CHK.	DATE	APPR.

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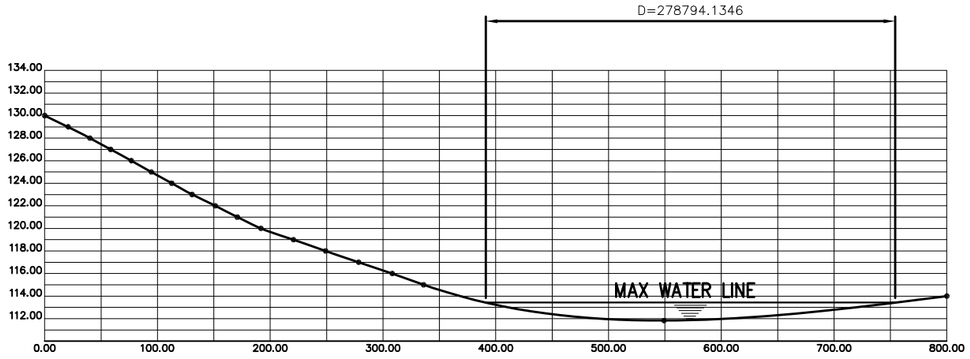
DRAWN	CHECKED	APPROVED	
VAR	JCF	PROCESS	PROJECT
DATE 1/21/13	DATE 1/30/13	SCALE AS SHOWN	

URANIUM ENERGY CORP.
BEE COUNTY, TEXAS
BURK HOLLOW WATERSHED

BEE COUNTY, TEXAS — CAD DWG. BURK HOLLOW-DRNG

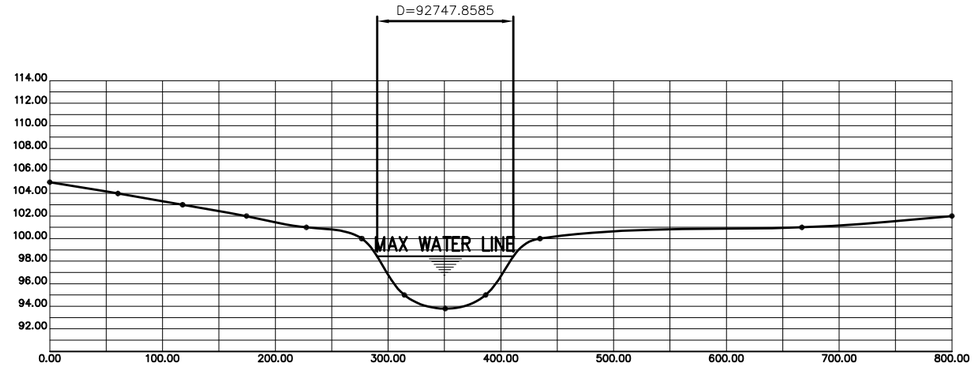
JOB NO. 3067001 | DRAWING NO. H-1020 | REV. 0

victor.rocha J:\UEC\BURKE HOLLOW HYDROLOGY STUDY\PROPOSAL\BURKE HOLLOW HYDROLOGY.DWG JAN 28, 2013 11:38 AM



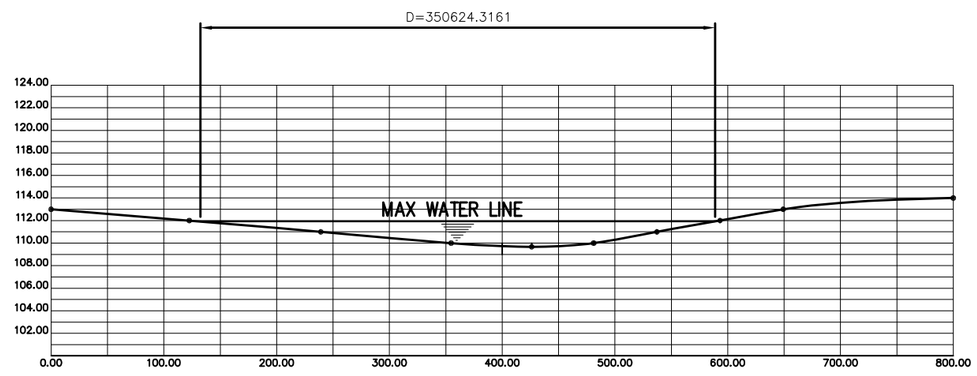
DATUM ELEV
110.00
GROUP Quick Section
SECTION A-A

STORM FLOW ELEVATION:
100 YEAR = 113.42 FEET
25 YEAR = 113.22 FEET
L.P. EL. 111.82 FEET



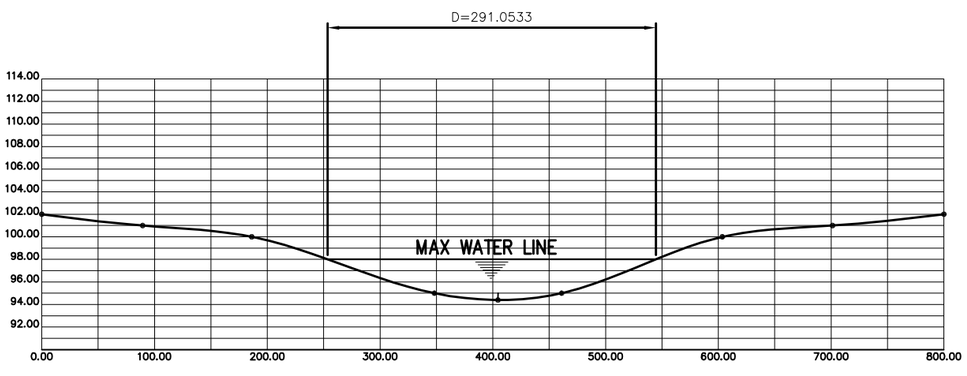
DATUM ELEV
90.00
GROUP Quick Section
SECTION B-B

STORM FLOW ELEVATION:
100 YEAR = 98.43 FEET
25 YEAR = 97.68 FEET
L.P. EL. 93.93 FEET



DATUM ELEV
100.00
GROUP Quick Section
SECTION C-C

STORM FLOW ELEVATION:
100 YEAR = 111.92 FEET
25 YEAR = 111.62 FEET
L.P. EL. 109.67 FEET



DATUM ELEV
90.00
GROUP Quick Section
SECTION D-D

STORM FLOW ELEVATION:
100 YEAR = 98.00 FEET
25 YEAR = 97.55 FEET
L.P. EL. 94.40 FEET

NOTES

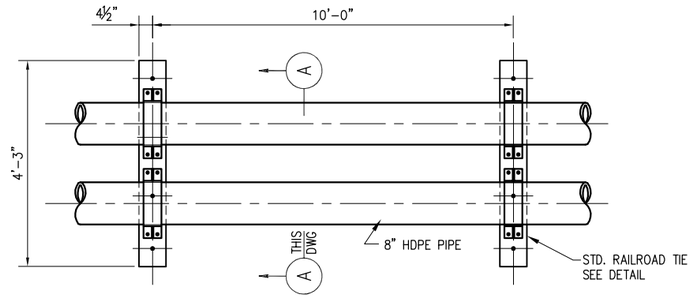
NO.	REFERENCE DRAWINGS	NO.	REVISIONS	BY	CHK.	DATE	APPR.
.							

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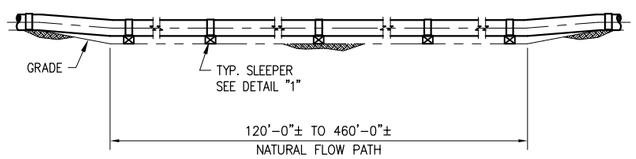
URANIUM ENERGY CORP.
BEE COUNTY, TEXAS
BURK HOLLOW PROFILES

DRAWN	CHECKED	APPROVED		BEE COUNTY, TEXAS	CAD DWG.
VAR	JCF	PROCESS	PROJECT		BURK HOLLOW-DRNG
DATE 1/22/13	DATE 1/30/13	SCALE AS SHOWN		JOB NO. 3067001	DRAWING NO. H-1021 REV. 0

victor.rocha J:\BEE\BURKE HOLLOW HYDROLOGY STUDY\PROPOSAL\BURKE HOLLOW HYDROLOGY.DWG JAN 24, 2013 3:34 PM

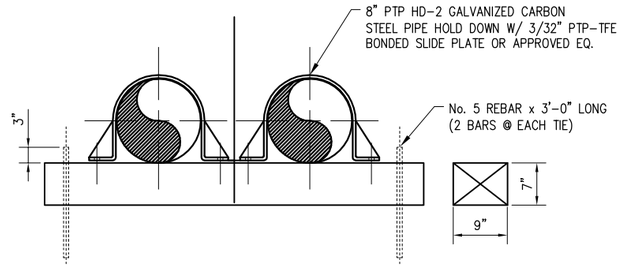


DETAIL "1"
SLEEPER PLAN
SCALE: 1/2"=1'-0"



8" HDPE PIPE
SCALE: N.T.S.

NOTE:
SLEEPER SUPPORTS ARE REQUIRED FOR PORTIONS OF TRUNK-LINES THAT PASS THROUGH STORM AFFECTED AREAS. SEE DWG'S H-1020 AND H-1021 FOR STORM AFFECTED AREA LIMITS.



SECTION "A-A"
SCALE: 1"=1'-0"

RAILROAD TIE

NOTES	NO.	REFERENCE DRAWINGS	NO.	REVISIONS	BY	CHK.	DATE	APPR.
	.							

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URANIUM ENERGY CORP.
BEE COUNTY, TEXAS
PIPELINE SUPPORT MODIFICATIONS

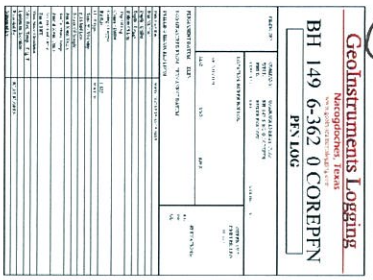
DRAWN	CHECKED	APPROVED		BEE COUNTY, TEXAS	CAD DWG.
VAR	JCF	PROCESS	PROJECT		BURK HOLLOW-DRNG
DATE 1/22/13	DATE 1/30/13	SCALE SHOWN		JOB NO. 3012001	DRAWING NO. H-1022	REV. 0

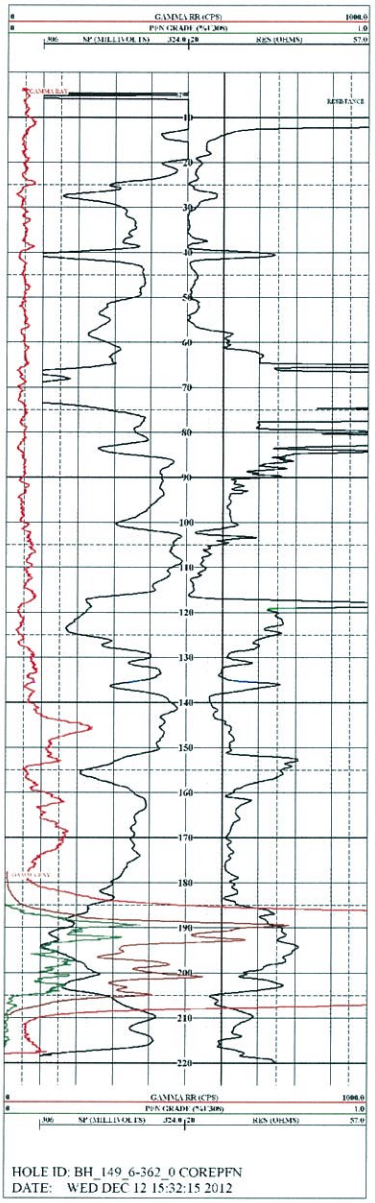
victorrocha J:\UEC\BURKE HOLLOW HYDROLOGY STUDY\PROPOSAL\H-1022.DWG JAN 28, 2013 11:17 AM

Appendix B

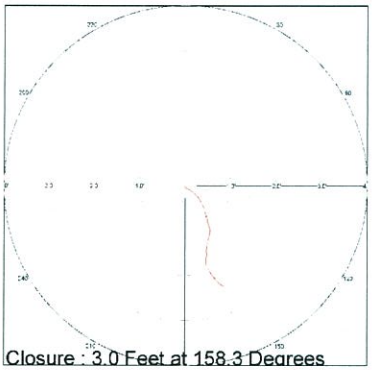
Well Logs

(Renamed RBW 1-1)

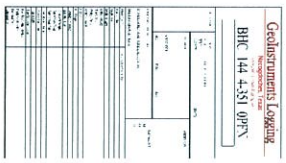




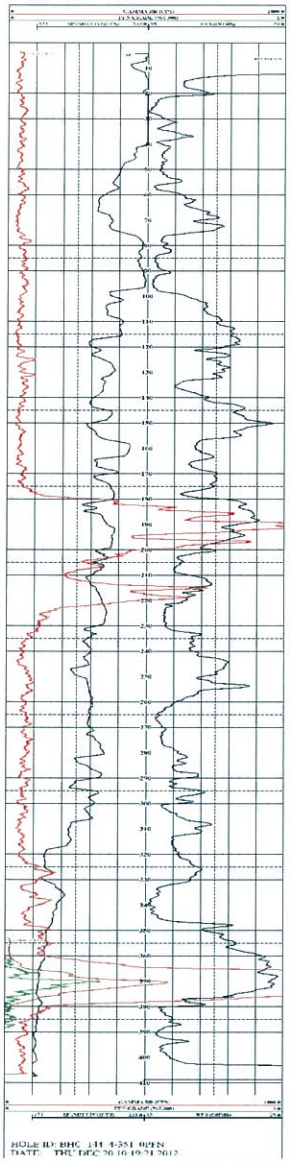
HOLE ID: BH_149_6-362_0 COREPFN
DATE: WED DEC 12 15:32:15 2012

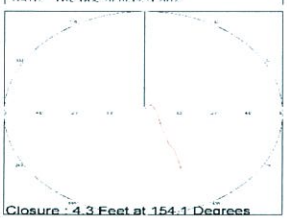


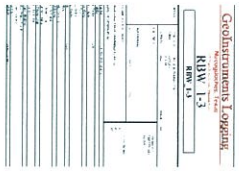
Closure : 3.0 Feet at 158.3 Degrees

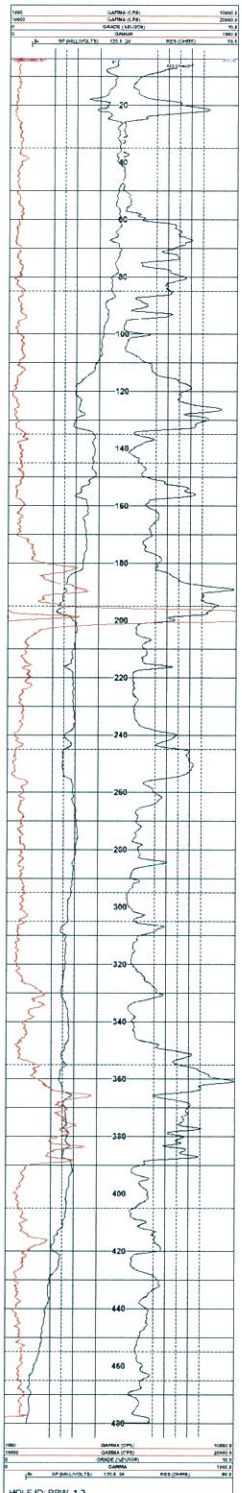


(Renamed RBW 1-2)

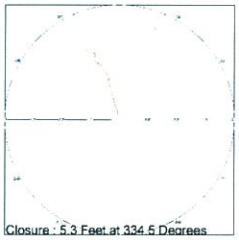




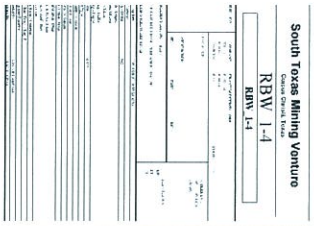


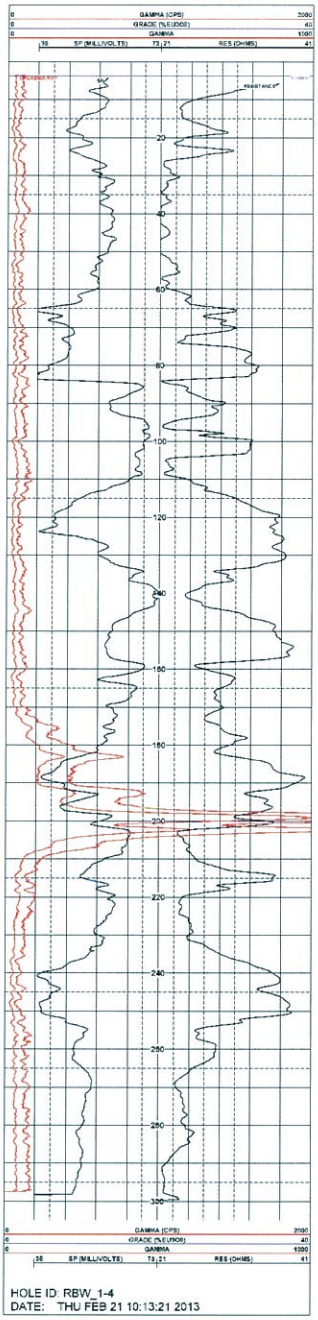


HOLE ID: RBW_1-3
DATE TUE FEB 19 11:23:06 2013

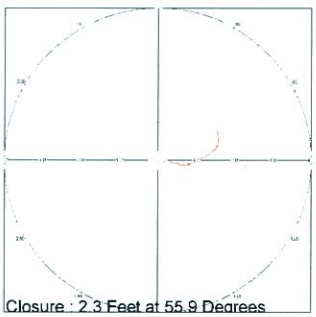


Closure : 5.3 Feet at 334.5 Degrees



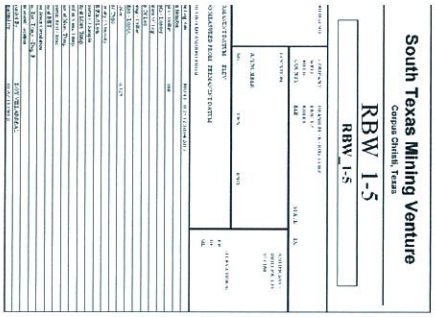


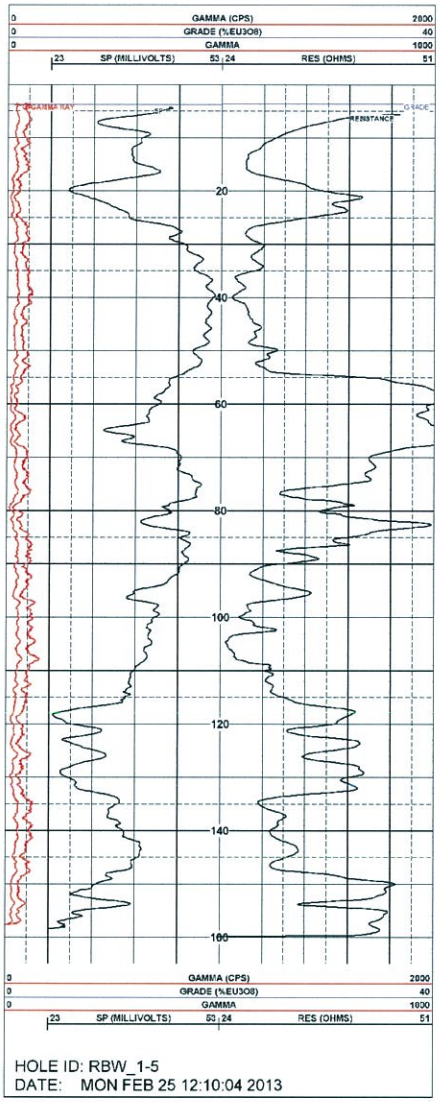
HOLE ID: RBW_1-4
DATE: THU FEB 21 10:13:21 2013

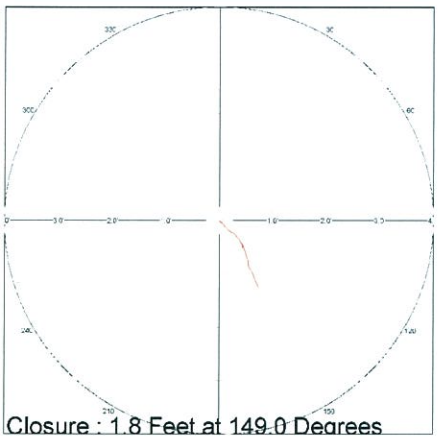


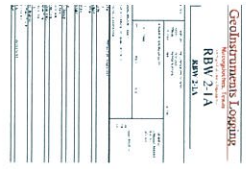
Closure : 2.3 Feet at 55.9 Degrees

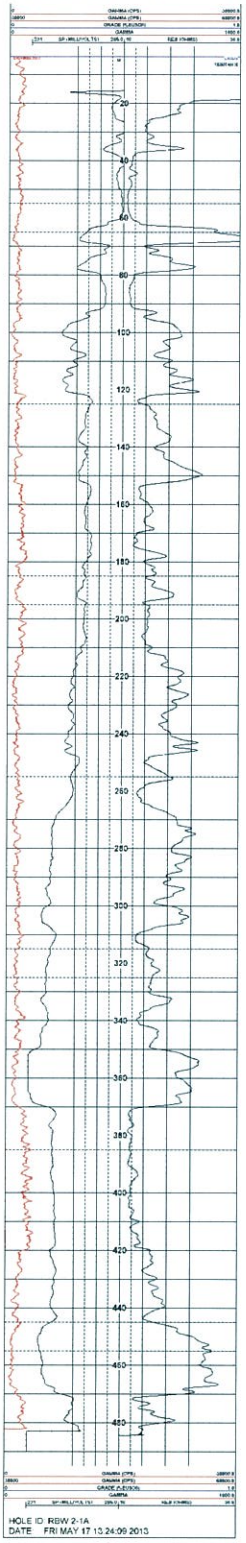



South Texas Mining Venture
Corpus Christi, Texas
RBW 1-5
RBW_1-5

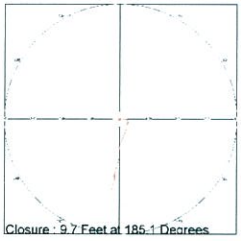

GAMMA (CPS)
GRADE (%EU3O8)
GAMMA
SP (MILLIVOLTS)
RES (OHMS)
RESISTANCE
20
40
60
80
100
120
140
160
HOLE ID: RBW_1-5
DATE: MON FEB 25 12:10:04 2013


Closure : 1.8 Feet at 149.0 Degrees





HOLE ID :RBW 2-1A
DATE FRI MAY 17 13:24:09 2013

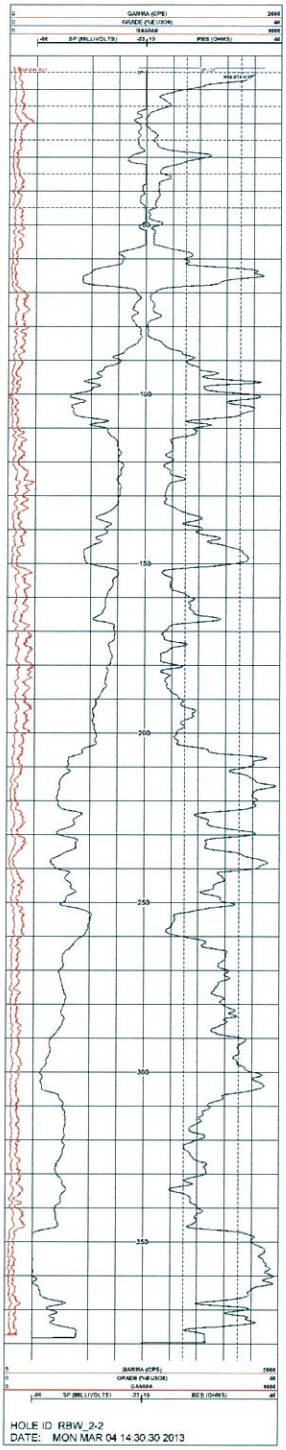


Closure : 9.7 Feet at 185.1 Degrees

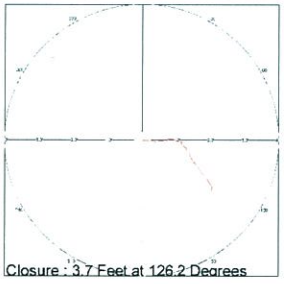
South Texas Mining Venture

RBW_2-2

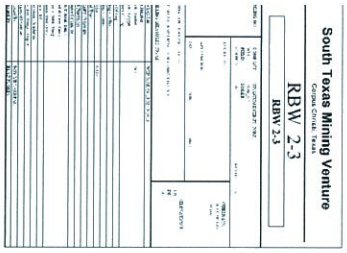
RBW 2-2

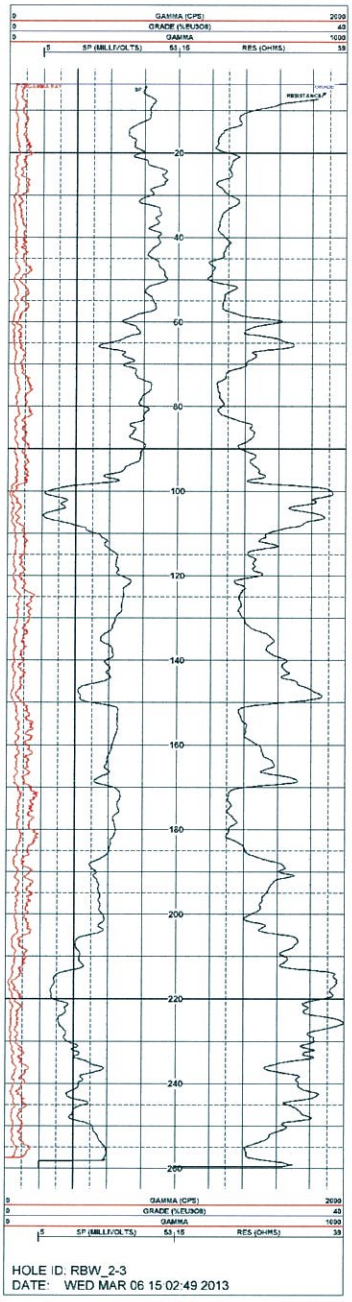


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DATE: MON MAR 04 14:30:30 2013

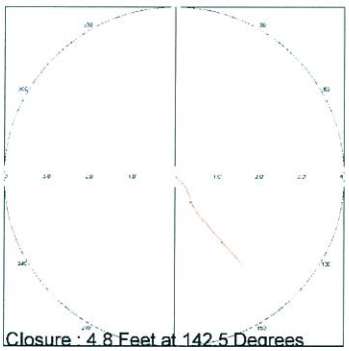


Closure : 3.7 Feet at 126.2 Degrees



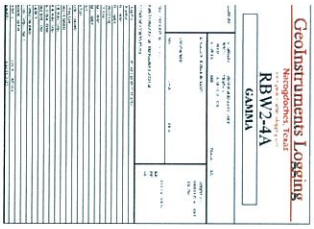


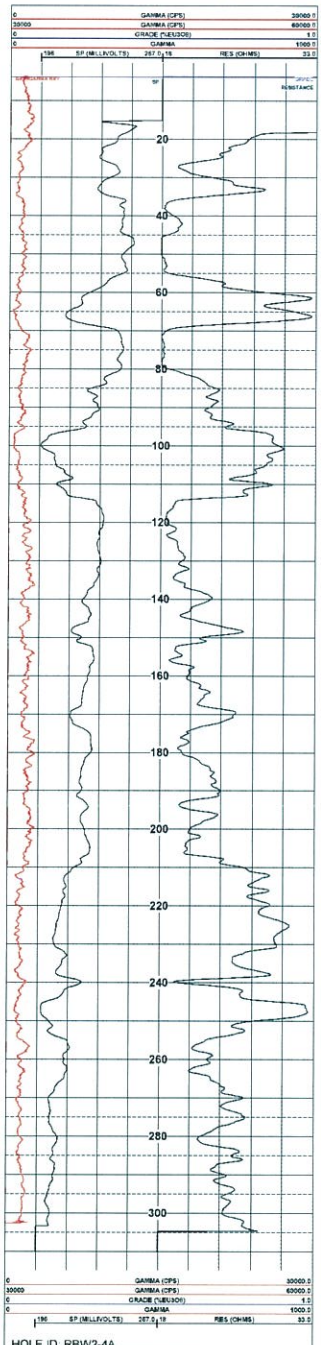
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DATE: WED MAR 06 15:02:49 2013



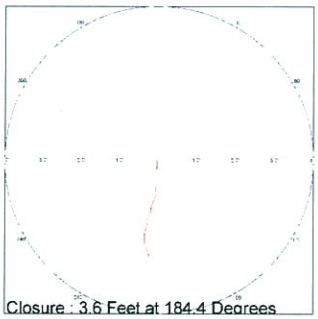
Closure : 4.8 Feet at 142.5 Degrees



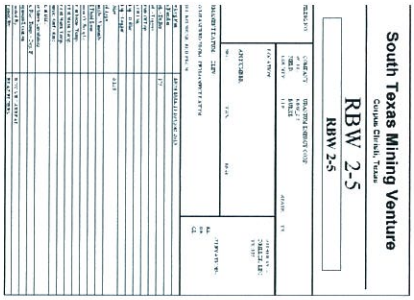


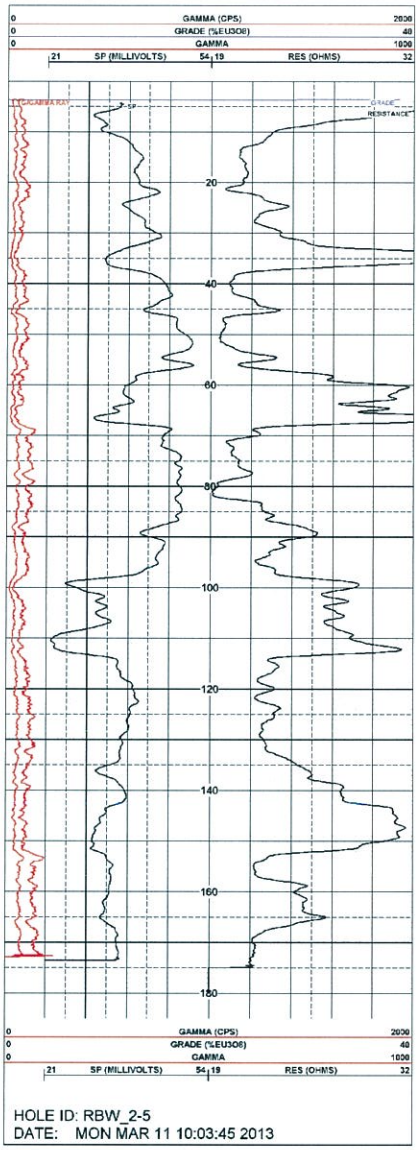


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DATE: FRI APR 26 09:37:35 2013

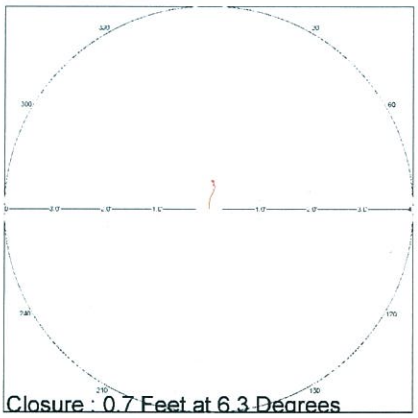


Closure : 3.6 Feet at 184.4 Degrees

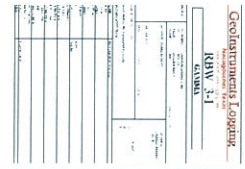


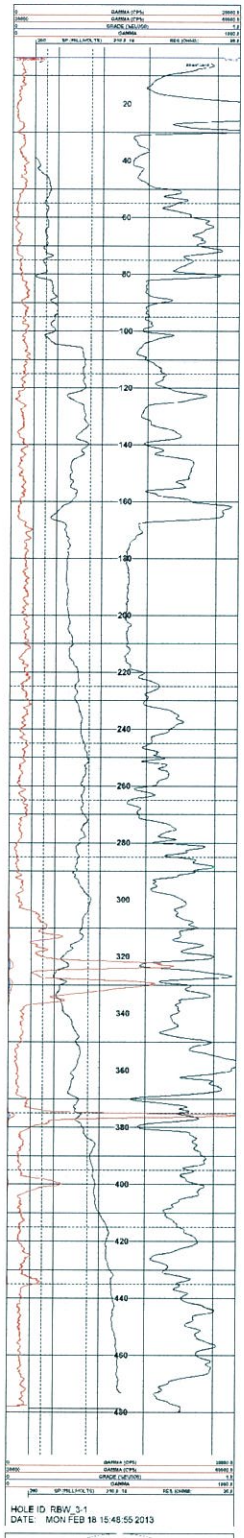


HOLE ID: RBW_2-5
DATE: MON MAR 11 10:03:45 2013

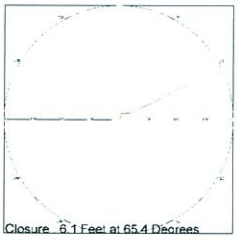


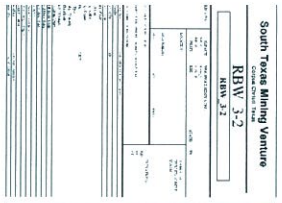
Closure : 0.7 Feet at 6.3 Degrees

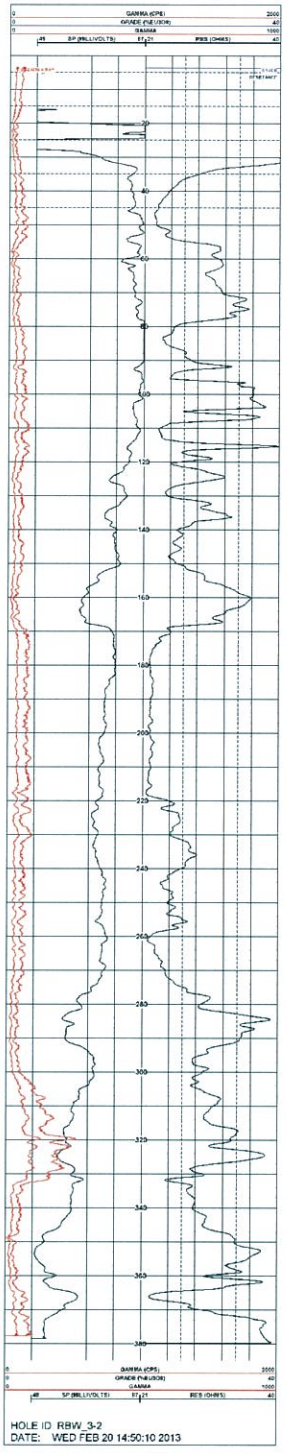




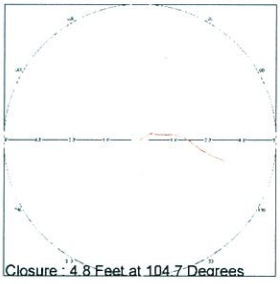
HOLE ID: RBW_3-1
DATE: MON FEB 18 15:46:55 2013





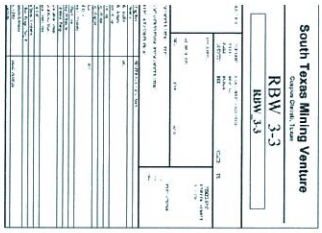


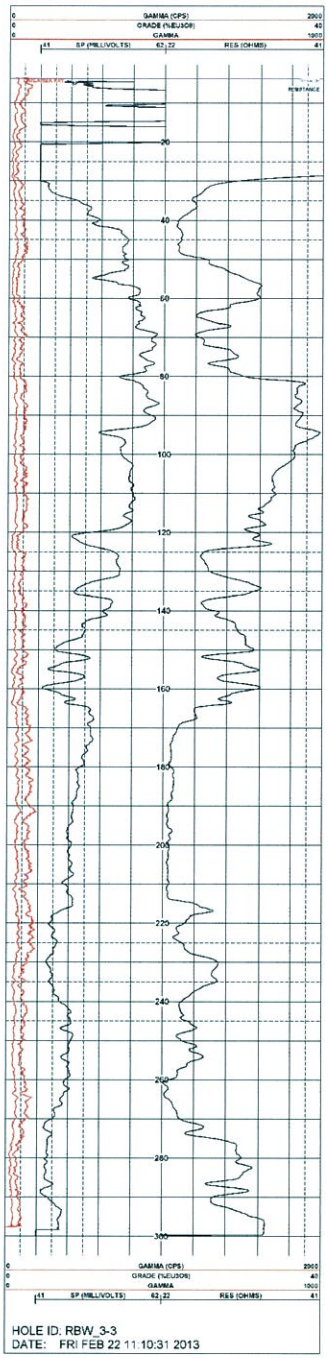
HOLE ID: RBW_3-2
DATE: WED FEB 20 14:50:10 2013

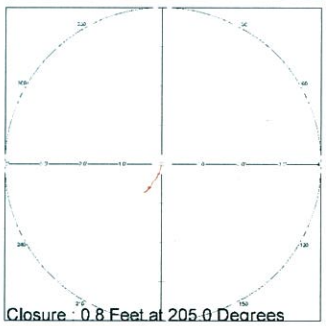


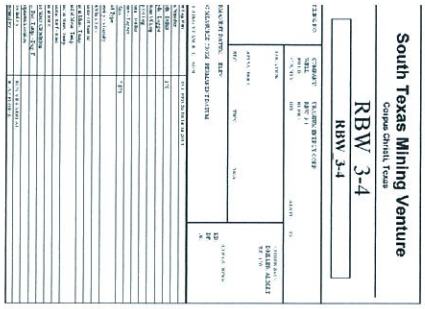
Closure : 4.8 Feet at 104.7 Degrees

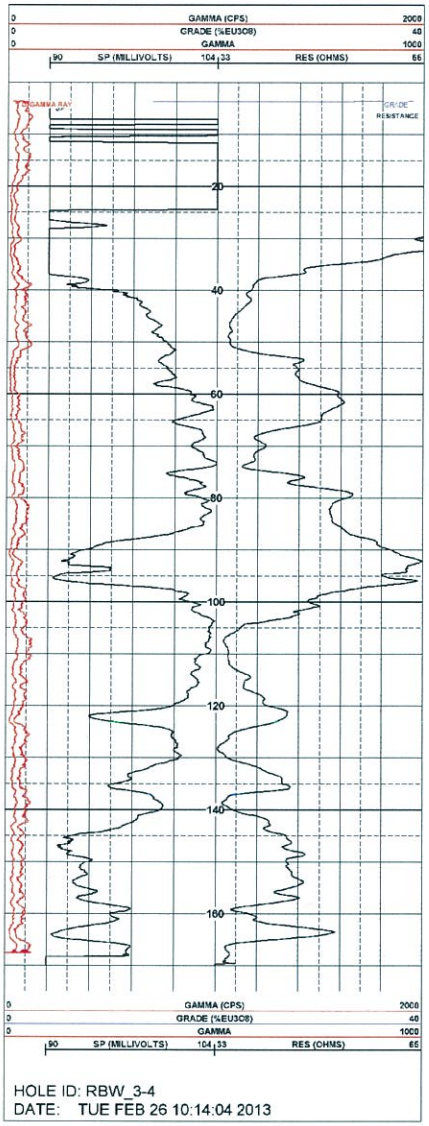



South Texas Mining Venture
RBW_3-3
RBW 3-3

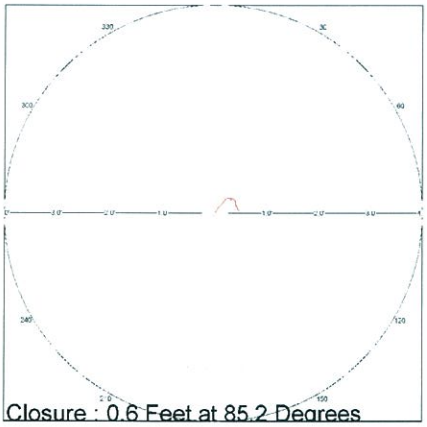

GAMMA (CPS)
GRADE (%EU3O8)
GAMMA
SP (MILLIVOLTS)
RES (OHMS)
RESISTANCE
HOLE ID: RBW_3-3
DATE: FRI FEB 22 11:10:31 2013


Closure : 0.8 Feet at 205.0 Degrees



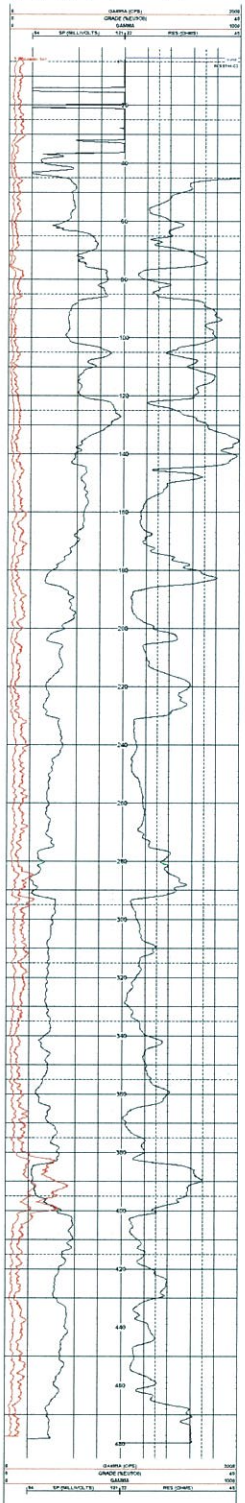


HOLE ID: RBW_3-4
DATE: TUE FEB 26 10:14:04 2013

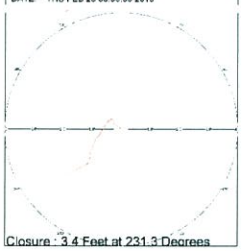


Closure : 0.6 Feet at 85.2 Degrees



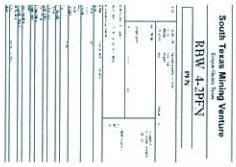


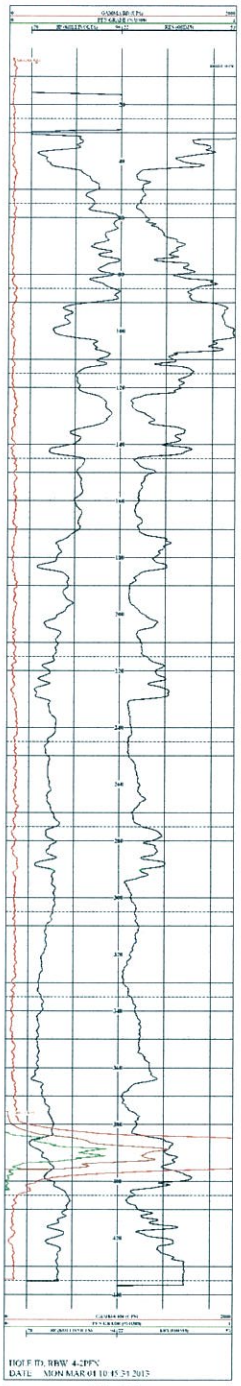
HOLE ID: RBW_4-1
DATE: THU FEB 28 08:56:39 2013



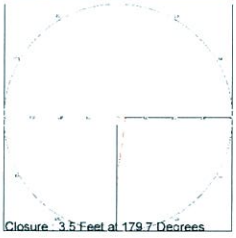
Closure : 3.4 Feet at 231.3 Degrees

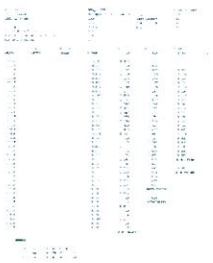


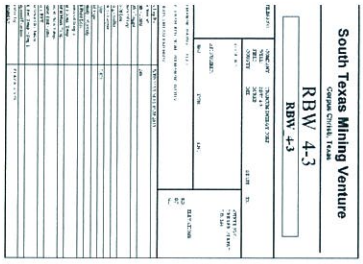


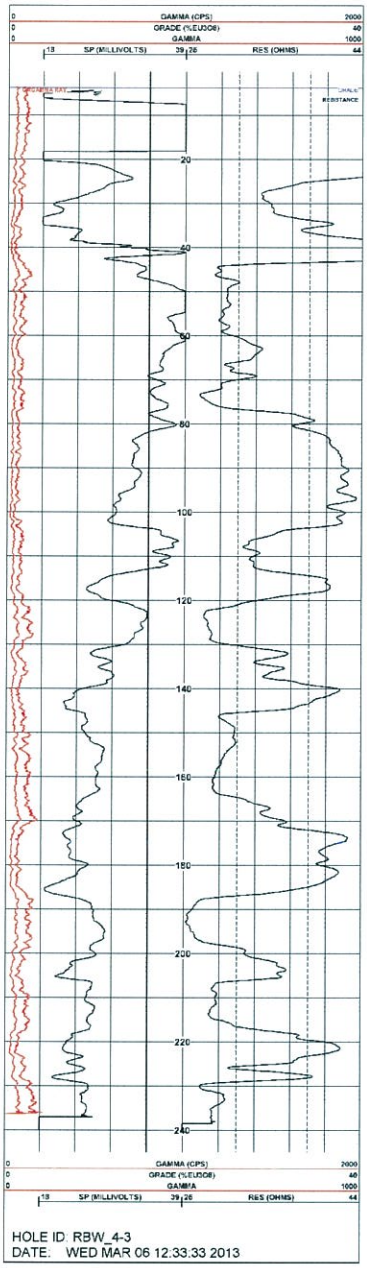


HOLE ID: RBW 4-2PPX
DATE: MON MAR 09 10:45:51 2015

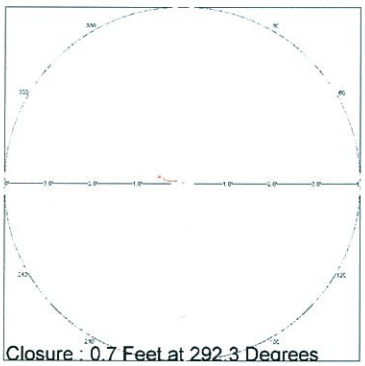






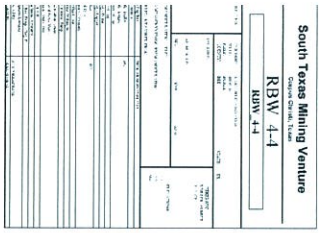


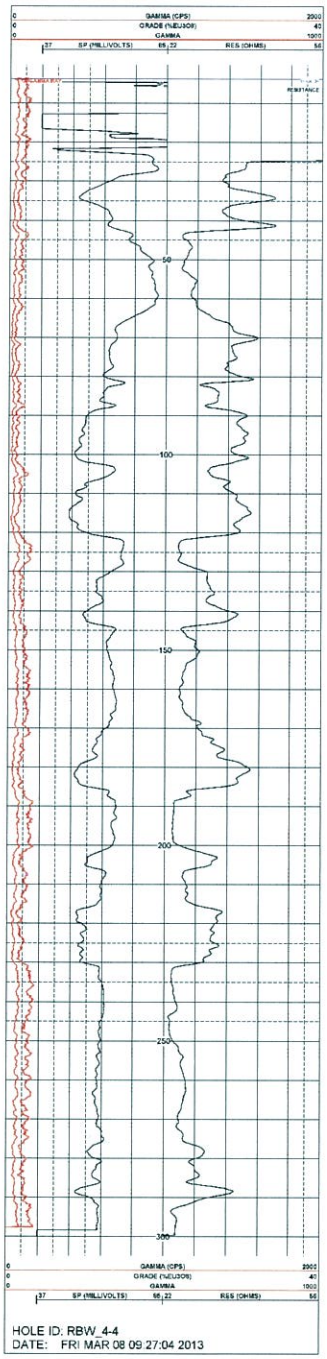
HOLE ID: RBW_4-3
DATE: WED MAR 06 12:33:33 2013



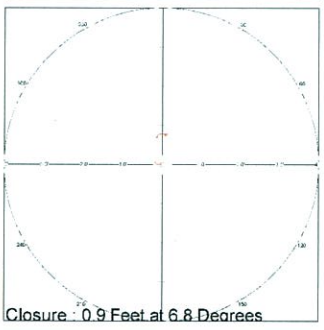
Closure : 0.7 Feet at 292.3 Degrees







HOLE ID: RBW_4-4
DATE: FRI MAR 08 09:27:04 2013



Closure : 0.9 Feet at 6.8 Degrees

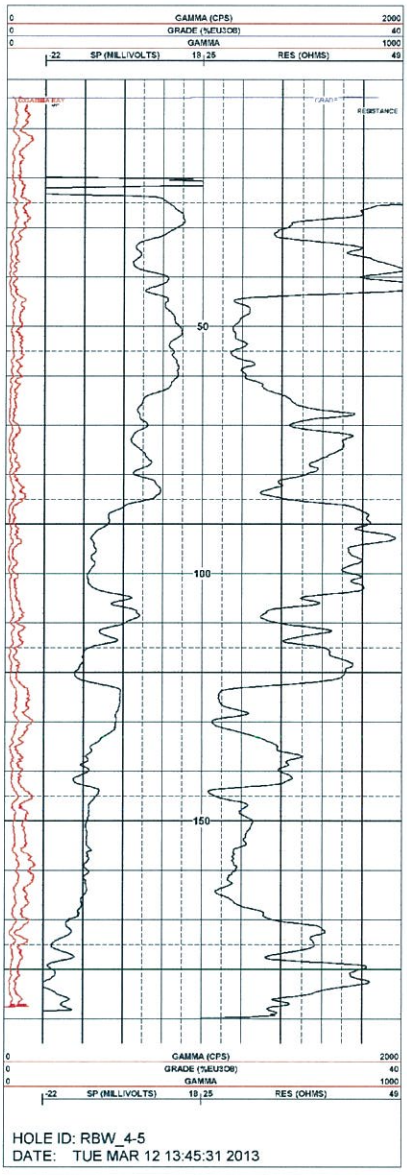


South Texas Mining Venture

Corpus Christi, Texas

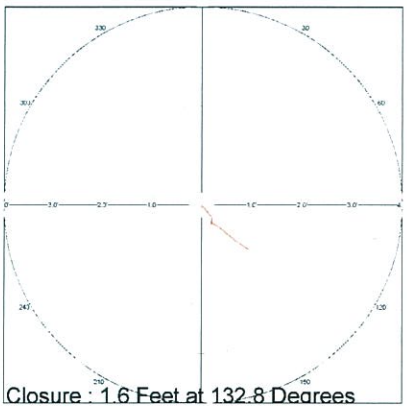
RBW 4-5

RBW_4-5

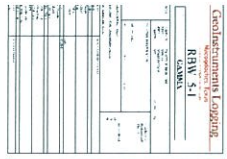


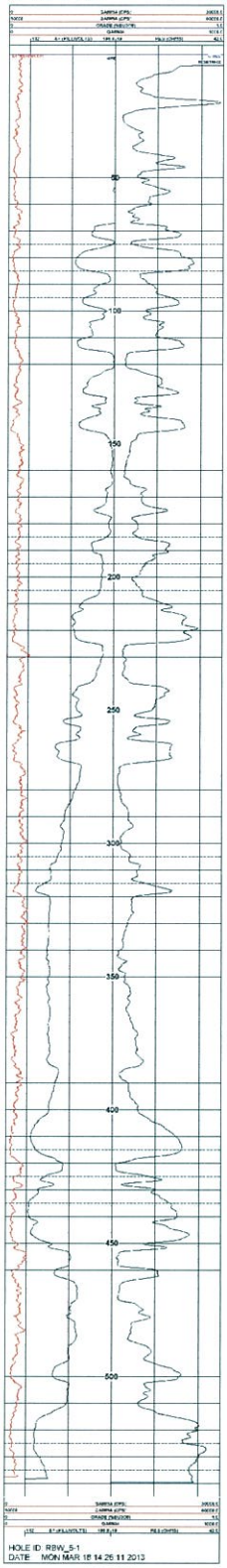
HOLE ID: RBW_4-5

DATE: TUE MAR 12 13:45:31 2013

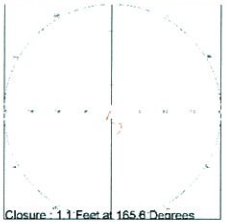


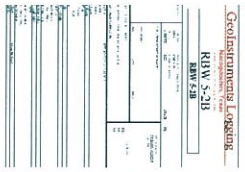
Closure : 1.6 Feet at 132.8 Degrees

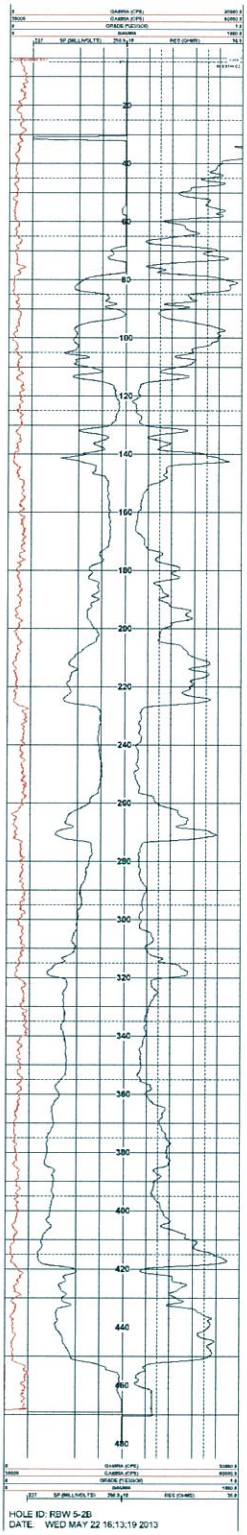




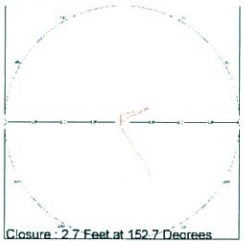
HOLE ID RBW_5-1
DATE MON MAR 18 14:26:11 2013





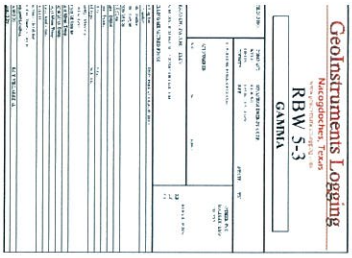


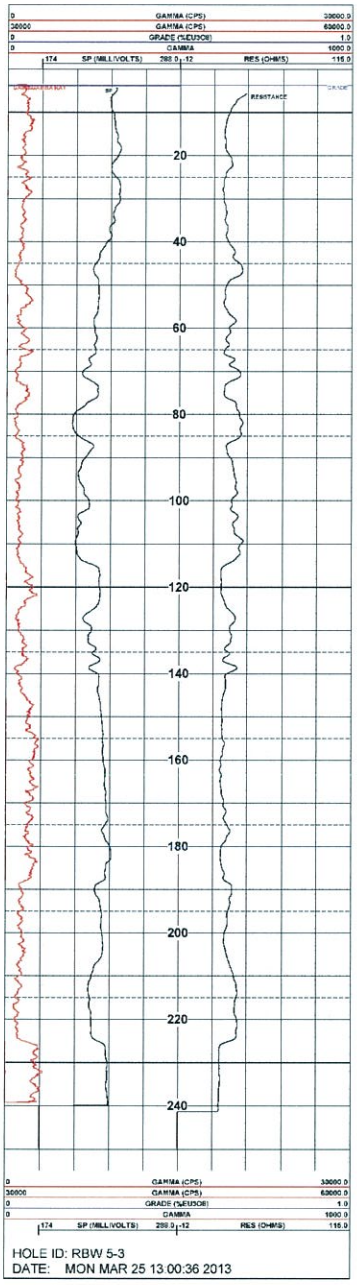
HOLE ID: RBW 5-2B
DATE WED MAY 22 16:13:19 2013

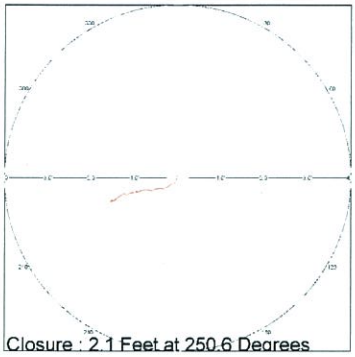


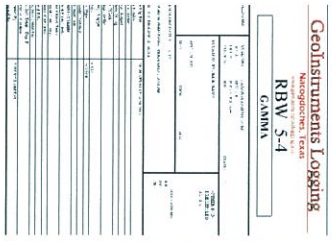
Closure : 2.7 Feet at 152.7 Degrees

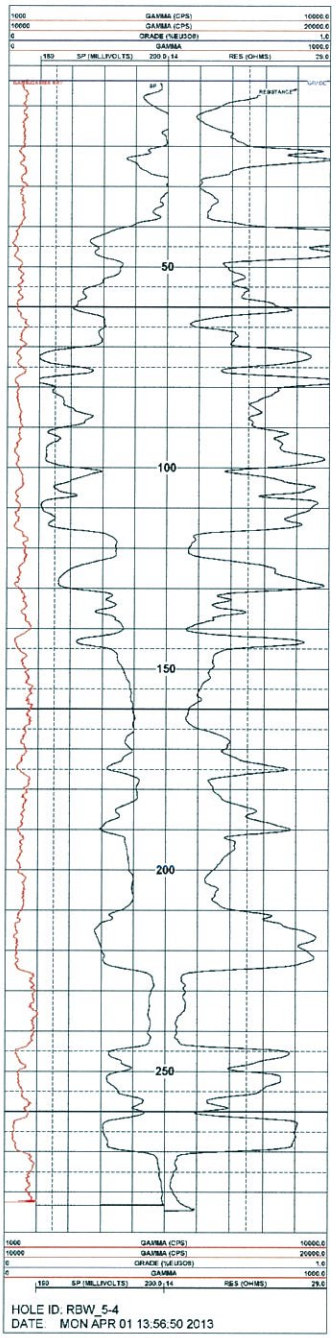



GeoInstruments Logging
RBW 5-3
GAMMA

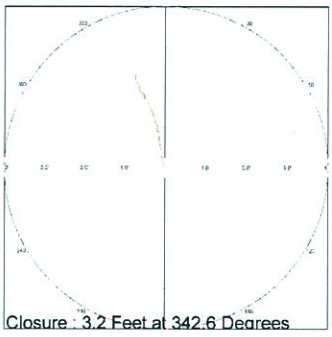

0 GAMMA (CPS) 30000.0
30000 GAMMA (CPS) 60000.0
0 GRADE (%EUSOB) 1.0
0 GAMMA 1000.0
174 SP (MILLIVOLTS) 288.0 -12 RES (OHMS) 116.0
RESISTANCE
20
40
60
80
100
120
140
160
180
200
220
240
0 GAMMA (CPS) 30000.0
30000 GAMMA (CPS) 60000.0
0 GRADE (%EUSOB) 1.0
0 GAMMA 1000.0
174 SP (MILLIVOLTS) 288.0 -12 RES (OHMS) 116.0
HOLE ID: RBW 5-3
DATE: MON MAR 25 13:00:36 2013


Closure : 2.1 Feet at 250.6 Degrees

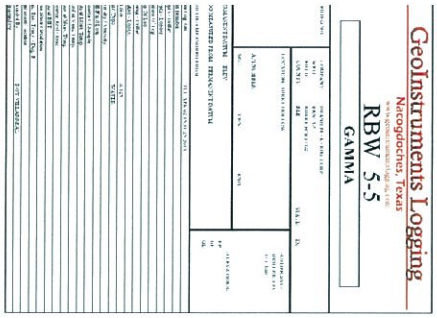


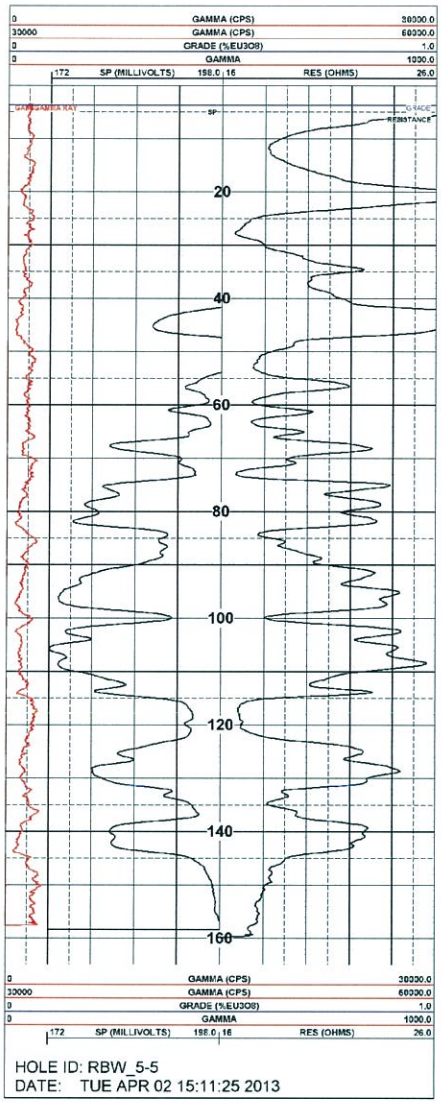


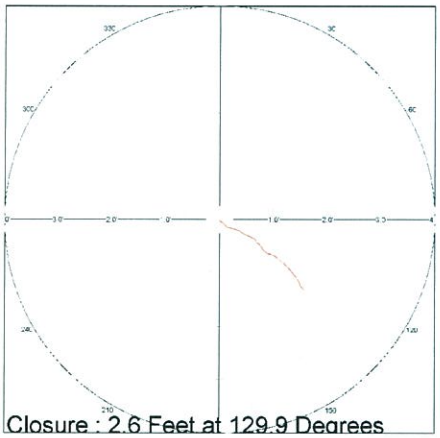
HOLE ID: RBW_5-4
DATE: MON APR 01 13:56:50 2013

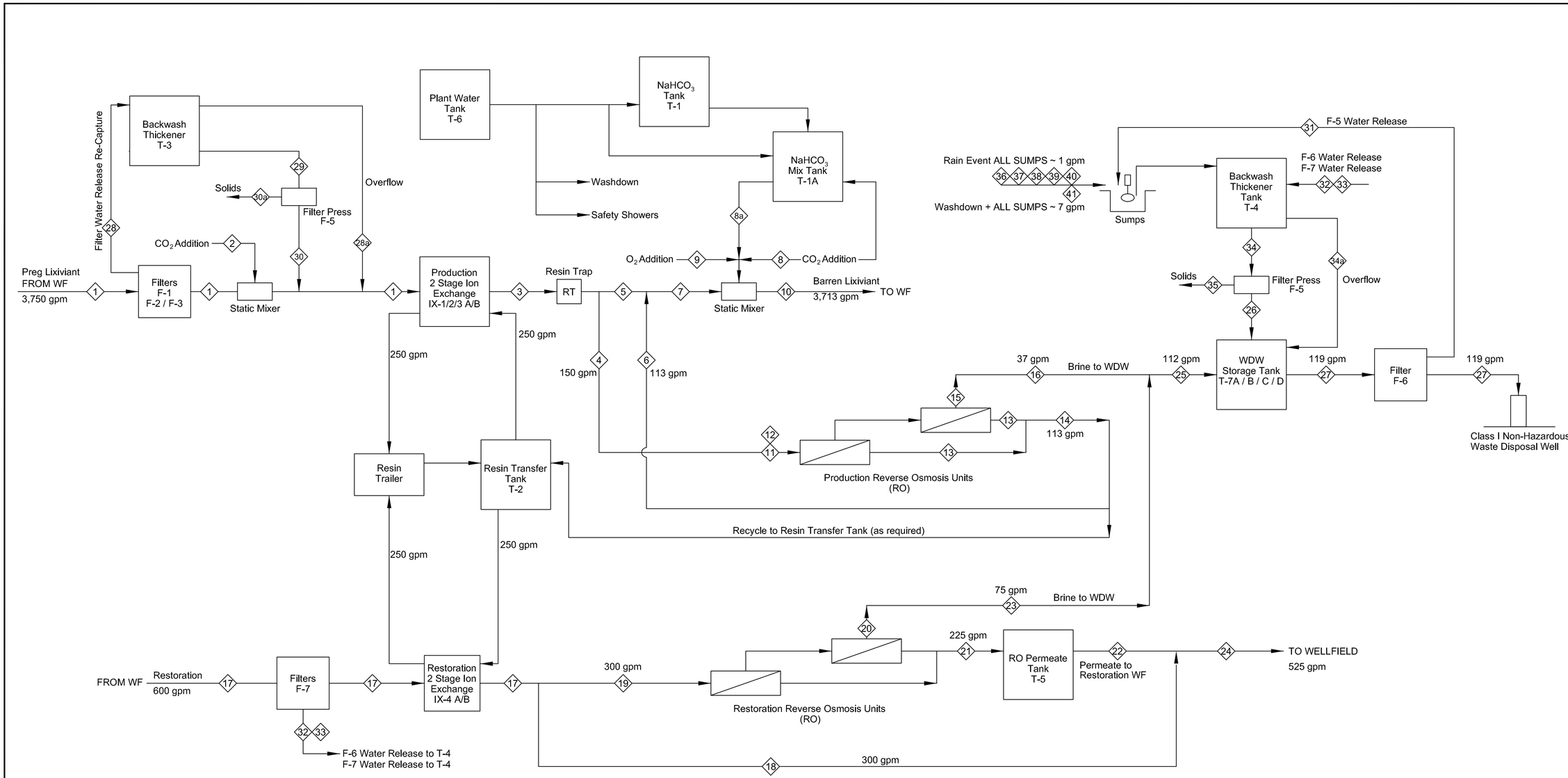


Closure : 3.2 Feet at 342.6 Degrees


GeoInstruments Logging
Nacogdoches, Texas
RBW 5-5
GAMMA


0 GAMMA (CPS) 30000.0
30000 GAMMA (CPS) 60000.0
0 GRADE (%EU3O8) 1.0
0 GAMMA 1000.0
172 SP (MILLIVOLTS) 188.0 16 RES (OHMS) 26.0
GAMMA RAY
SP
GRADE
RESISTANCE
20
40
60
80
100
120
140
160
HOLE ID: RBW_5-5
DATE: TUE APR 02 15:11:25 2013


Closure : 2.6 Feet at 129.9 Degrees



Stream No		1	2	3	4	5	6	7	8	8a	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	28a	29	30	30a	31	32	33	34	34a	35	36	3	38	39	40	41
		Ion-Exchange (IX) System											Production Purge to RO						Restoration to RO								WDW			By-Product Separation																	
Normal Operation		Production Lixiviant from WF to IX	CO2 addition	Barren Lixiviant from IX	Bleed to RO	Barren Lixiviant Minus Bleed	Permeate to Barren Lixiviant	Total Barren Lixiviant to WF	CO2 addition	Bicarb addition	O2 addition	Total Lixiviant to WF Inj	Total RO Feed from Production Bleed	Total RO Feed	Prod RO Permeate	Total Permeate to Well field	Brine from RO to T-7	Brine to T-7	Total Restoration Fluid from WF	Restoration Fluid Recyle	Total RO Feed	Brine from RO to T-7	RO Permeate to T-5	Total Permeate to Well field	Brine to T-7A	Total Restoration Fluid to WF	Total RO Brine to T-7 Tanks	F-5 Filtrate to T-7 Tanks	WDW Injection	Water Release from F-1/2/3 to T-3	Overflow from T-3 to Production Lixiviant	Underflow from T-3 to F-5	F-5 Filtrate to Production Lixiviant	F-5 Solid By-Product	Water Release from F-6 to T-4	Water Release from F-7 to T-4	Underflow from T-4 to F-4	Overflow from T-4 to T-7	F-4 Solid By-Product	Rain Event from SP-1	Rain Event from SP-2	Rain Event from SP-3	Rain Event from SP-4	Rain Event from SP-5	Washdown Water
1 mm #/yr			100 ppm						200 ppm	200 ppm	400 ppm																																				
Total Mass	M lbs/day	45,022	5	45,021	1,801	43,220	1,351	44,571	9	9	18	44,606	1,801	1,801	1,351	1,351	449	449	7,203	3,602	7,203	1,801	5,403	5,403	7,203	1,801	7,653	76	7729	30.3	30.3	30.3	30.3		4.2	4.2	8.4	76		1	4	1	1	0	60
Uranium Oxide, U_3O_8	lbs/day	694.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0												0	0	0	0	0	0
Chemical/Solids	lbs/day	0	4502.1	0.0	0.00	0.0	0.0	0.0	8914.1	8914.1	17828.3	35,657	0.0	0.0	0	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0			25			25	15	40			40	0	0	0	0	0	0
Water	M lbs/day	45,021	0	45,021	1,801	43,220	1,351	44,571	0	0	0	44,571	1802	1802	1351	1351	450	450	7,203	3,602	7,203	1,801	5,403	5,403	7,203	1,801	7,654	76	7730	30.3	30.3	30.3	30.3		4.2	4.2	8.4	76		1	4	1	1	0	60
Total Volume	gallons (ft3)	5,400,000	(39353)	5,400,000	216,000	5,184,000	162,000	5,346,000	(77918)	(77918)	(215294)	5,346,000	216,000	216,000	162,000	162,000	54,000	54,000	864,000	432,000	432,000	108,000	324,000	324,000	108,000	756,000	162,000	9034	171034	3600	3600	3600	3600		500	500	1000	9,034		145.2	448.9	94.5	145.4	0	7200.0
Mass flow	lb/min	31265	3.1	31265	1251	30014	938	30952	6.2	6.2	12.4	30977	1251	1251	938	938	313	313	5002	2501	2501	632	1876	1876	632	4421	944	53	997									53							
Volume Flow	gpm (cfm)	3750	(27)	3750	150	3600	112.5	3713	(54)	(54)	(150)	3713	150	150	112.5	112.5	37.5	37.5	600	300	300	75	225	225	75	525	112.5	6.3	119									6							
Volume Flow Daily Average Rate	gpm (cfm)																													2.50	2.50	2.50	2.50		0.35	0.35	0.69								
Volume Flow Rain Event	gpm (cfm)																										0.00	0.00	0.00											0.10	0.31	0.07	0.10	0	5.00
Pressure	psig (in Hg abso	100	150	70	70	100	110	100	150	150	150	100	70	150	10	120	20	50	70	70	150	20	10	5	50	50	50	50	950									50		5	5	5	5	0	5
Temp	° F	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70		70	70	70	70.0	70	70	70	70	70	0	70
Sp Gr / density	/ (lb/ft3)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.00	1.00	1.0	1.0	1.0	1.01	1.0	1.0	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01		1.01	1.01	1.01	1.01	1.14	1.0	1.0	1.0	1.0	0	1.0

Rain Event Station Refugio 2 NW, Tx US

Sump Pump #	Containment Area #	Stream ID#	Pad Length	Pad Width	New Area	Rainfall Volume (gallons)													Daily Annual Average	
					(sf)	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	(gal)	(gpm)
inches of rainfall						2.15	2.39	3.01	2.27	3.17	3.52	3.64	3.15	4.39	4.31	2.82	2.07	36.89	(in)	
ft of rainfall						0.18	0.20	0.25	0.19	0.26	0.29	0.30	0.26	0.37	0.36	0.24	0.17	3.07	(ft)	
SP-1	1	37	96	24	2304	3,088	3,432	4,323	3,260	4,553	5,055	5,228	4,524	6,305	6,190	4,050	2,973	52,980	145.2	0.10
SP-2	2	38	95	75	7125	9,549	10,615	13,368	10,082	14,079	15,633	16,166	13,990	19,497	19,142	12,524	9,193	163,838	448.9	0.31
SP-3	3	39	37.5	40	1500	2,010	2,235	2,814	2,122	2,964	3,291	3,403	2,945	4,105	4,030	2,637	1,935	34,492	94.5	0.07
SP-4	4	40	40.5	57	2308.5	3,094	3,439	4,331	3,266	4,562	5,065	5,238	4,533	6,317	6,202	4,058	2,979	53,083	145.4	0.10
TOTAL						17,740	19,721	24,837	18,731	26,157	29,045	30,035	25,992	36,224	35,563	23,269	17,080	304,393	834.0	
																			0.58	

REV.	DATE	DESCRIPTION	DWN	CKD
0	1/1/14	Submitted with Application	CB	CB

JOB NO. BH RML
DATE: 12-3-13
SCALE: AS NOTED
APPROVED BY: CB
DRAWN BY: CB
DRAWING NO. BHTX-G-01

BURKE HOLLOW PROJECT
Satellite IX Facility

MASTER PROCESS FLOWSHEET

Uranium Energy Corp

NAME: C:\U-UEC DATA\U-Projects+DATA\U-Burke-Hollow\DATA\U-PID RML Docs\1-BHTX-G-01.rev0.dwg DATE: 04 DEC 2013 TIME: 11:54 GB UEC

Uranium Energy Corp

Spill Reporting

Reviewed and Approved by:

Craig Wall — Environmental Health and Safety Manager — 2/28/2014 — Date

Thomas Smith — Radiation Safety Officer — 3/3/14 — Date

Effective Date:_____

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1.0 INTRODUCTION

1.1 Purpose

To establish specific procedures on how to properly document and report a spill within the permit area.

1.2 Scope

This procedure is applicable to all areas and employees at Uranium Energy Corp or STMV.

1.3 Background

1.4 Objectives

1.5 Definitions

2.0 REFERENCES

3.0 SAFETY PRECAUTIONS AND LIMITATIONS

3.1 Any release of a potentially radioactive substance must be handled with due caution until the concentration of radionuclides is known. At all times employees will use procedures outlined in the Radiation Protection Manual to minimize risks associated with potentially radioactive fluid.

3.2 Any time an employee may have come into contact with radionuclides he must scan the potentially affected area or wash upon completion of the task and before eating.

3.3 Slips, trips, and falls: Be aware of slick floors and surfaces when wet. Watch your step.

3.4 Electrical Hazards.

3.5 Safety equipment: Wear hard hat, steel toe shoes, safety glasses, and any other PPE necessary to complete the task safely

4.0 PROCEDURE

4.1 PROCEDURE FOR STOPPING SPILL FLOW

4.1.1 Upon noticing a spill, an employee should immediately halt the flow using appropriate methods within his ability and without endangering himself. Once flow has been stopped the employee must lock out and tag out any damaged systems.

4.1.2 If the employee is not technically competent to stop the spill or if the spill cannot be stopped safely then the employee must immediately notify his supervisor. The supervisor will then have the responsibility of safely mitigating the situation. If possible, the spill should be contained. The appropriate operation supervisor, Supervisor HSE, and the

Radiation Safety Officer must be immediately notified of any spill over 2,000 gallons, any spill that occurs outside the monitor well ring, any spill that occurs off the plant pad or any spill that may contain radionuclides.

4.2 SPILL CLEANUP AND REPAIR

4.2.1 In order to keep exposures ALARA, all clean up and repair work will be performed to the standards outlined in the Radiation Protection Manual and/or SOPs.

4.2.2 If possible, any pooled water should be pumped up as soon as possible using a nurse trailer and placed in the wastewater tanks on the plant pad. The employee performing this job must keep track of the amount of fluid picked up and report the total to the Radiation Safety Technician or Corporate RSO when the job is completed.

4.3 DETERMINATION OF NOTIFICATION AND REPORTING REQUIREMENTS

4.3.1 The appropriate wellfield supervisor or his designee shall, upon notification of a spill, determine the volume of fluid spilled, the concentration of natural uranium (Unat) based on the most recent analysis, the cause of the spill, and the surface area affected. This information will be promptly passed on to the Corporate RSO or his designee so a determination can be made of whether regulatory agency reporting is necessary. All spills, regardless of radionuclide concentration or volume, shall be reported by the Corporate RSO and to the appropriate government agencies. Please see Appendix A for reportable spill concentrations. If they are above any of these limits they must be reported to appropriate agency in the required time allotted for reporting spills.

4.3.2 The Corporate RSO and/or EH&S Manager will determine whether or not reporting to regulatory agencies is required.

5.0 RECORDS

6.0 ATTACHMENTS-

A. Spill Reportable Quantities

B. UEC/STMV Spill Flow Chart

Attachment A

The following the required reportable quantities that must be reported if spilled.

Sulfuric Acid – Approximately 65 gallons (1,000 lbs)

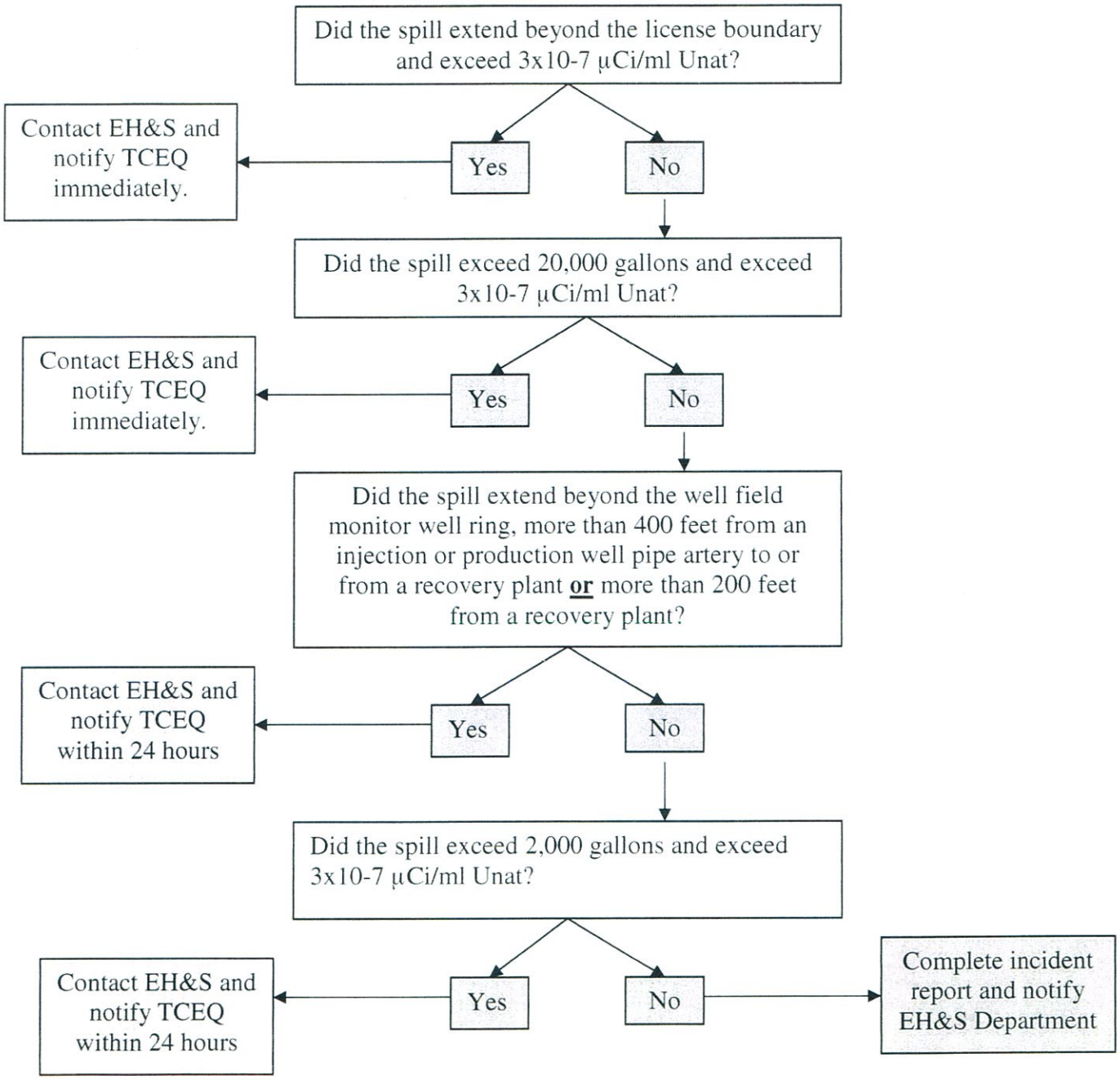
Sodium Hydroxide (caustic soda)- Approximately 57 gallons (1,000 lbs)

Hydrochloric Acid- Approximately 510 gallons (5,000 lbs)

Uranium- 2000 gallons and exceeds the concentrations for water listed in Table II, Column 2 of 30 TAC 336.359.

Texas Commission on Environmental Quality (800) 453-7664

UEC/STMV
Spill Flow Chart



30 TAC 336.1113

BLACK GOLD SURVEYING & ENGINEERING, INC.

Land Surveying Firm No. 100141-00
Engineering Firm No. F-7632
2711 West Front St. P.O. Box 3416
Alice, Texas 78333
Office Phn (361) 668-9200 Fax (361) 668-9204
blackgoldsurveying@sbcglobal.net

URANIUM ENERGY CORP.
Burke Hollow Corporation Lease
Thomas – Barrow Corporation Lease
8,625.95 Acres
Aquifer Exemption / License Boundary
Bee County, Texas

Being a description of a called 8,625.95 acre Aquifer Exemption / License boundary, being out of a called 29,332.04 acre tract, as described in Volume 453, Page 1 in the Deed Records of Bee County, Texas and also being shown in the revised subdivision of the Laura Driscoll Thomson Estate Ranch in Volume 2, Page 49 in the Map Records of Bee County, Texas. Said Aquifer Exemption being out of the following survey: G. Roache Abstract No. 59, J. Roache Abstract No. 60, P. Downey, Abstract No. 20, M. De Los Santos Abstract No. 64, M. Gomez Abstract No. 25 and the J.M. Castillo Abstract No. 14. Said Aquifer Exemption being all in Bee County, Texas, with the Point of Beginning being located approximately 19.7 miles, S 65°55' E from Beeville, Texas.

BEGINNING at, a concrete monument (X = 2,497,297.07 and Y = 166,212.74) marked Welder 1945, found on the North line of said 29,332.04 acre tract and on the Bee and Refugio County line, for the Northeast corner of this herein described tract;

THENCE-S 31°10'43" W, a distance of 708.53 feet to a rock, described as 9 Mile Rock, found on the Bee and Refugio County line, for a corner of this herein described tract;

THENCE-S 32°18'45" W, a distance of 9,851.03 feet to a rock, described as 11 mile Rock, found on the Bee and Refugio County line, for a corner of this herein described tract;

THENCE-S 32°20'35" W, a distance of 4,177.04 feet to point on the Bee and Refugio County line, for the Southeast corner of this herein described tract;

THENCE-N 73°02'45" W, a distance of 23,841.49 feet to a point for the Southwest corner of this herein described tract;

THENCE-N 14°22'30" E, a distance of 6,006.70 feet to a point for corner of this herein described tract;

THENCE-N 07°00'32" E, a distance of 8,351.90 feet to a point on the North line of said 29,332.04 acre tract, for the Northwest corner of this herein described tract;

THENCE-S 72°56'28" E, a distance of 459.14 feet to a concrete monument marked Barrow, found on the North line of said 29,332.04 acre tract, for a corner of this herein described tract;

THENCE-S 73°06'33" E, a distance of 1,619.16 feet to a concrete monument marked Ira Heard 1937, found on the North line of said 29,332.04 acre tract, for a corner of this herein described tract;

THENCE-S 72°49'24" E, a distance of 1,058.55 feet to a concrete monument marked Ira Heard 1937, found on the North line of said 29,332.04 acre tract, for a corner of this herein described tract;

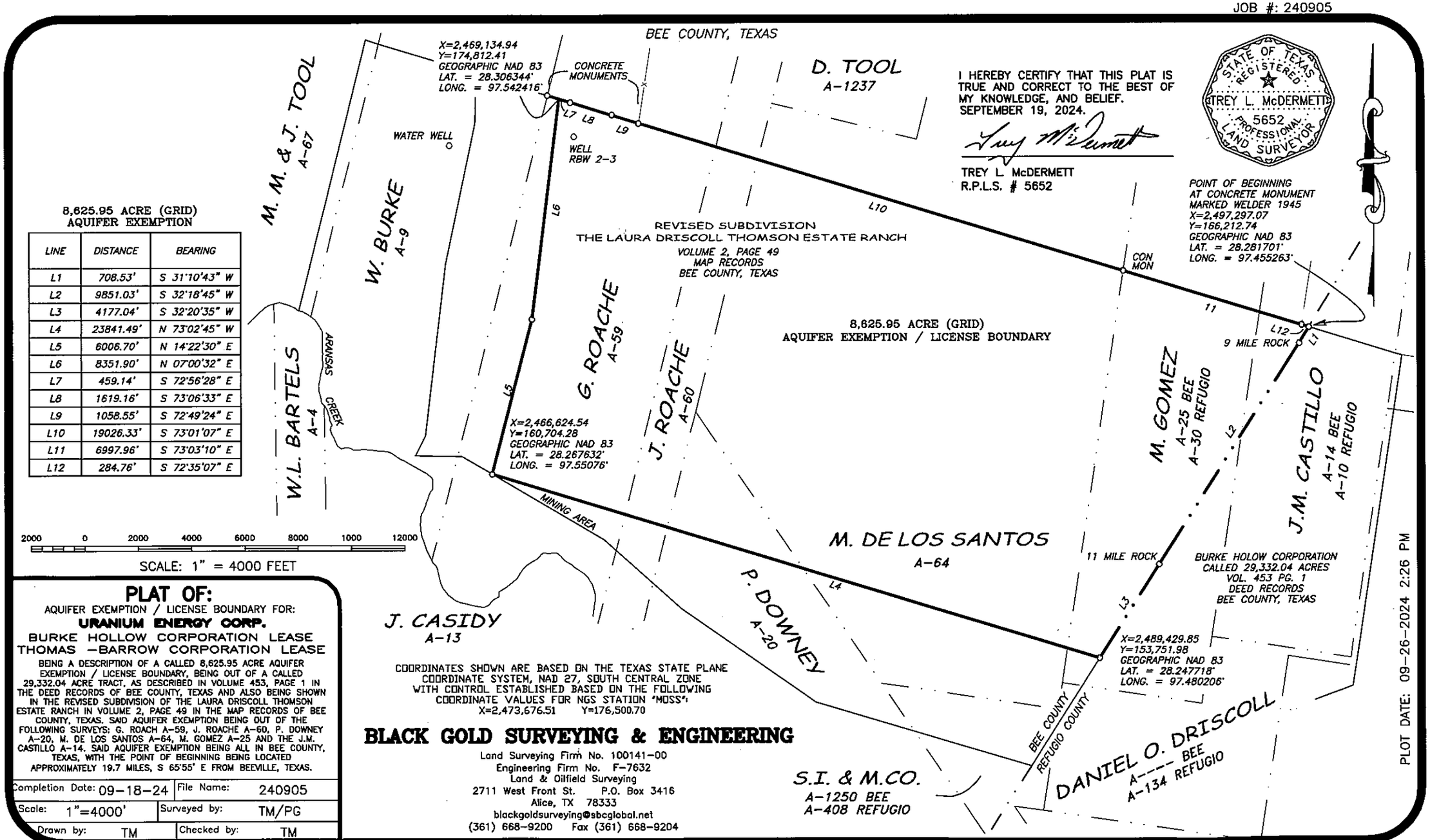
THENCE-S 73°01'07" E, a distance of 19,026.33 feet to a busted concrete monument found on the North line of said 29,332.04 acre tract and on the common line of the M. De Los Santos Survey, Abstract No. 64 and the M. Gomez Survey Abstract No. 25, for a corner of this herein described tract;

THENCE-S 73°03'10" E, a distance of 6,997.96 feet to a concrete monument marked Wood 1954, found on the North line of said 29,332.04 acre tract, for a corner of this herein described tract;

THENCE-S 72°35'07" E, a distance of 284.76 feet to the **POINT OF BEGINNING** and containing 8,625.95 (GRID) acres of land, more or less, within these metes and bounds.

All bearings, acreage, coordinates & distances recited refer to the State Plane Coordinate System, NAD 1927, Texas South Central Zone with control established based on NGS monument "MOSS" using the following coordinate value: Y=176,500.70 and X=2,473,676.51

JOB #: 240905



I HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, AND BELIEF.
SEPTEMBER 19, 2024.

TREY L. McDERMETT
R.P.L.S. # 5652

STATE OF TEXAS
REGISTERED
TREY L. McDERMETT
5652
PROFESSIONAL
LAND SURVEYOR

8,625.95 ACRE (GRID)
AQUIFER EXEMPTION

LINE	DISTANCE	BEARING
L1	708.53'	S 31°10'43" W
L2	9851.03'	S 32°18'45" W
L3	4177.04'	S 32°20'35" W
L4	23841.49'	N 73°02'45" W
L5	6006.70'	N 14°22'30" E
L6	8351.90'	N 07°00'32" E
L7	459.14'	S 72°56'28" E
L8	1619.16'	S 73°06'33" E
L9	1058.55'	S 72°49'24" E
L10	19026.33'	S 73°01'07" E
L11	6997.96'	S 73°03'10" E
L12	284.76'	S 72°35'07" E

PLAT OF:

AQUIFER EXEMPTION / LICENSE BOUNDARY FOR:

URANIUM ENERGY CORP.

BURKE HOLLOW CORPORATION LEASE
THOMAS –BARROW CORPORATION LEASE

BEING A DESCRIPTION OF A CALLED 8,625.95 ACRE AQUIFER EXEMPTION / LICENSE BOUNDARY, BEING OUT OF A CALLED 29,332.04 ACRE TRACT, AS DESCRIBED IN VOLUME 453, PAGE 1 IN THE DEED RECORDS OF BEE COUNTY, TEXAS AND ALSO BEING SHOWN IN THE REVISED SUBDIVISION OF THE LAURA DRISCOLL THOMSON ESTATE RANCH IN VOLUME 2, PAGE 49 IN THE MAP RECORDS OF BEE COUNTY, TEXAS. SAID AQUIFER EXEMPTION BEING OUT OF THE FOLLOWING SURVEYS: G. ROACH A-59, J. ROACHE A-60, P. DOWNEY A-20, M. DE LOS SANTOS A-64, M. GOMEZ A-25 AND THE J.M. CASTILLO A-14. SAID AQUIFER EXEMPTION BEING ALL IN BEE COUNTY, TEXAS, WITH THE POINT OF BEGINNING BEING LOCATED APPROXIMATELY 19.7 MILES, S 65°55' E FROM BEEVILLE, TEXAS.

Completion Date:	09-18-24	File Name:	240905
Scale:	1"=4000'	Surveyed by:	TM/PG
Drawn by:	TM	Checked by:	TM

COORDINATES SHOWN ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 27, SOUTH CENTRAL ZONE WITH CONTROL ESTABLISHED BASED ON THE FOLLOWING COORDINATE VALUES FOR NGS STATION "MOSS":
X=2,473,676.51 Y=176,500.70

BLACK GOLD SURVEYING & ENGINEERING
Land Surveying Firm No. 100141-00
Engineering Firm No. F-7632
Land & Oilfield Surveying
2711 West Front St. P.O. Box 3416
Alice, TX 78333
blackgoldsurveying@sbcglobal.net
(361) 668-9200 Fax (361) 668-9204

PLOT DATE: 09-26-2024 2:26 PM

North Hunting Camp Well #1 Well Data

~ADEPTH(ft)	~CPS
2.8	48.0
3.0	62.0
3.2	65.0
3.4	58.0
3.6	60.0
3.8	68.0
4.0	62.0
4.2	60.0
4.4	61.0
4.6	54.0
4.8	61.0
5.0	40.0
5.2	41.0
5.4	62.0
5.6	69.0
5.8	53.0
6.0	50.0
6.2	46.0
6.4	50.0
6.6	49.0
6.8	64.0
7.0	48.0
7.2	42.0
7.4	53.0
7.6	54.0
7.8	48.0
8.0	48.0
8.2	34.0
8.4	44.0
8.6	46.0
8.8	57.0
9.0	56.0
9.2	40.0
9.4	44.0
9.6	57.0
9.8	48.0
10.0	53.0
10.2	52.0
10.4	45.0
10.6	42.0
10.8	54.0
11.0	48.0
11.2	54.0
11.4	52.0
11.6	62.0
11.8	61.0
12.0	62.0

~ADEPTH(ft)	~CPS
12.2	48.0
12.4	45.0
12.6	64.0
12.8	77.0
13.0	58.0
13.2	53.0
13.4	58.0
13.6	61.0
13.8	28.0
14.0	65.0
14.2	54.0
14.4	40.0
14.6	61.0
14.8	41.0
15.0	56.0
15.2	56.0
15.4	61.0
15.6	34.0
15.8	56.0
16.0	69.0
16.2	58.0
16.4	46.0
16.6	58.0
16.8	45.0
17.0	56.0
17.2	45.0
17.4	52.0
17.6	52.0
17.8	66.0
18.0	62.0
18.2	52.0
18.4	57.0
18.6	52.0
18.8	44.0
19.0	34.0
19.2	46.0
19.4	58.0
19.6	37.0
19.8	40.0
20.0	40.0
20.2	52.0
20.4	36.0
20.6	34.0
20.8	50.0
21.0	40.0
21.2	38.0
21.4	48.0
21.6	42.0

~ADEPTH(ft)	~CPS
21.8	42.0
22.0	36.0
22.2	37.0
22.4	41.0
22.6	54.0
22.8	68.0
23.0	54.0
23.2	82.0
23.4	61.0
23.6	78.0
23.8	74.0
24.0	58.0
24.2	54.0
24.4	50.0
24.6	62.0
24.8	70.0
25.0	45.0
25.2	52.0
25.4	56.0
25.6	57.0
25.8	69.0
26.0	60.0
26.2	64.0
26.4	54.0
26.6	49.0
26.8	70.0
27.0	57.0
27.2	50.0
27.4	72.0
27.6	57.0
27.8	48.0
28.0	49.0
28.2	50.0
28.4	50.0
28.6	44.0
28.8	54.0
29.0	46.0
29.2	48.0
29.4	41.0
29.6	42.0
29.8	53.0
30.0	49.0
30.2	46.0
30.4	49.0
30.6	45.0
30.8	42.0
31.0	41.0
31.2	42.0

~ADEPTH(ft)	~CPS
31.4	41.0
31.6	46.0
31.8	62.0
32.0	45.0
32.2	37.0
32.4	34.0
32.6	44.0
32.8	52.0
33.0	45.0
33.2	52.0
33.4	50.0
33.6	41.0
33.8	34.0
34.0	46.0
34.2	50.0
34.4	62.0
34.6	53.0
34.8	30.0
35.0	49.0
35.2	29.0
35.4	40.0
35.6	34.0
35.8	38.0
36.0	32.0
36.2	22.0
36.4	32.0
36.6	37.0
36.8	30.0
37.0	41.0
37.2	34.0
37.4	30.0
37.6	18.0
37.8	34.0
38.0	40.0
38.2	17.0
38.4	41.0
38.6	24.0
38.8	45.0
39.0	36.0
39.2	33.0
39.4	25.0
39.6	33.0
39.8	40.0
40.0	36.0
40.2	24.0
40.4	38.0
40.6	38.0
40.8	28.0

North Hunting Camp Well #1 Well Data

~ADEPTH(ft)	~CPS
41.0	28.0
41.2	30.0
41.4	29.0
41.6	28.0
41.8	28.0
42.0	38.0
42.2	25.0
42.4	41.0
42.6	22.0
42.8	42.0
43.0	40.0
43.2	37.0
43.4	40.0
43.6	52.0
43.8	53.0
44.0	42.0
44.2	56.0
44.4	64.0
44.6	60.0
44.8	54.0
45.0	56.0
45.2	54.0
45.4	56.0
45.6	45.0
45.8	54.0
46.0	46.0
46.2	56.0
46.4	57.0
46.6	58.0
46.8	45.0
47.0	52.0
47.2	45.0
47.4	62.0
47.6	42.0
47.8	58.0
48.0	57.0
48.2	56.0
48.4	64.0
48.6	61.0
48.8	49.0
49.0	48.0
49.2	65.0
49.4	49.0
49.6	48.0
49.8	66.0
50.0	52.0
50.2	66.0
78.6	25.0

~ADEPTH(ft)	~CPS
50.4	68.0
50.6	46.0
50.8	64.0
51.0	68.0
51.2	73.0
51.4	60.0
51.6	66.0
51.8	70.0
52.0	72.0
52.2	60.0
52.4	44.0
52.6	50.0
52.8	62.0
53.0	66.0
53.2	62.0
53.4	69.0
53.6	48.0
53.8	40.0
54.0	57.0
54.2	42.0
54.4	41.0
54.6	62.0
54.8	42.0
55.0	61.0
55.2	38.0
55.4	64.0
55.6	53.0
55.8	66.0
56.0	54.0
56.2	49.0
56.4	52.0
56.6	58.0
56.8	52.0
57.0	46.0
57.2	70.0
57.4	52.0
57.6	33.0
57.8	40.0
58.0	46.0
58.2	42.0
58.4	45.0
58.6	46.0
58.8	44.0
59.0	41.0
59.2	48.0
59.4	62.0
59.6	49.0
88.0	36.0

~ADEPTH(ft)	~CPS
59.8	42.0
60.0	34.0
60.2	40.0
60.4	45.0
60.6	44.0
60.8	42.0
61.0	45.0
61.2	36.0
61.4	25.0
61.6	38.0
61.8	44.0
62.0	38.0
62.2	35.0
62.4	49.0
62.6	37.0
62.8	41.0
63.0	36.0
63.2	41.0
63.4	25.0
63.6	41.0
63.8	32.0
64.0	42.0
64.2	36.0
64.4	26.0
64.6	46.0
64.8	42.0
65.0	33.0
65.2	29.0
65.4	41.0
65.6	49.0
65.8	46.0
66.0	41.0
66.2	46.0
66.4	45.0
66.6	29.0
66.8	37.0
67.0	36.0
67.2	25.0
67.4	35.0
67.6	46.0
67.8	29.0
68.0	40.0
68.2	32.0
68.4	30.0
68.6	32.0
68.8	26.0
69.0	28.0
97.4	52.0

~ADEPTH(ft)	~CPS
69.2	34.0
69.4	53.0
69.6	30.0
69.8	40.0
70.0	17.0
70.2	30.0
70.4	37.0
70.6	29.0
70.8	29.0
71.0	28.0
71.2	18.0
71.4	48.0
71.6	34.0
71.8	32.0
72.0	21.0
72.2	22.0
72.4	28.0
72.6	24.0
72.8	14.0
73.0	48.0
73.2	32.0
73.4	30.0
73.6	28.0
73.8	37.0
74.0	22.0
74.2	24.0
74.4	37.0
74.6	30.0
74.8	48.0
75.0	34.0
75.2	30.0
75.4	41.0
75.6	44.0
75.8	44.0
76.0	44.0
76.2	40.0
76.4	42.0
76.6	36.0
76.8	32.0
77.0	50.0
77.2	28.0
77.4	36.0
77.6	40.0
77.8	38.0
78.0	37.0
78.2	42.0
78.4	36.0
106.8	28.0

North Hunting Camp Well #1 Well Data

~ADEPTH(ft)	~CPS
78.8	29.0
79.0	28.0
79.2	34.0
79.4	32.0
79.6	33.0
79.8	26.0
80.0	33.0
80.2	29.0
80.4	36.0
80.6	16.0
80.8	18.0
81.0	16.0
81.2	16.0
81.4	10.0
81.6	18.0
81.8	32.0
82.0	26.0
82.2	21.0
82.4	30.0
82.6	28.0
82.8	24.0
83.0	37.0
83.2	21.0
83.4	22.0
83.6	25.0
83.8	21.0
84.0	28.0
84.2	25.0
84.4	26.0
84.6	28.0
84.8	46.0
85.0	26.0
85.2	33.0
85.4	32.0
85.6	30.0
85.8	33.0
86.0	33.0
86.2	28.0
86.4	34.0
86.6	34.0
86.8	34.0
87.0	34.0
87.2	34.0
87.4	34.0
87.6	38.0
87.8	34.0

~ADEPTH(ft)	~CPS
88.2	38.0
88.4	33.0
88.6	40.0
88.8	32.0
89.0	32.0
89.2	30.0
89.4	34.0
89.6	25.0
89.8	30.0
90.0	40.0
90.2	20.0
90.4	25.0
90.6	24.0
90.8	24.0
91.0	30.0
91.2	26.0
91.4	34.0
91.6	34.0
91.8	26.0
92.0	29.0
92.2	18.0
92.4	32.0
92.6	34.0
92.8	17.0
93.0	25.0
93.2	32.0
93.4	26.0
93.6	26.0
93.8	18.0
94.0	25.0
94.2	16.0
94.4	26.0
94.6	26.0
94.8	24.0
95.0	20.0
95.2	28.0
95.4	33.0
95.6	34.0
95.8	32.0
96.0	33.0
96.2	37.0
96.4	53.0
96.6	57.0
96.8	58.0
97.0	54.0
97.2	52.0

~ADEPTH(ft)	~CPS
97.6	65.0
97.8	48.0
98.0	57.0
98.2	45.0
98.4	62.0
98.6	66.0
98.8	49.0
99.0	49.0
99.2	54.0
99.4	40.0
99.6	58.0
99.8	57.0
100.0	66.0
100.2	66.0
100.4	45.0
100.6	48.0
100.8	52.0
101.0	46.0
101.2	46.0
101.4	48.0
101.6	42.0
101.8	54.0
102.0	50.0
102.2	38.0
102.4	44.0
102.6	57.0
102.8	70.0
103.0	53.0
103.2	64.0
103.4	48.0
103.6	40.0
103.8	61.0
104.0	41.0
104.2	34.0
104.4	50.0
104.6	42.0
104.8	38.0
105.0	36.0
105.2	42.0
105.4	48.0
105.6	42.0
105.8	38.0
106.0	56.0
106.2	36.0
106.4	36.0
106.6	41.0

~ADEPTH(ft)	~CPS
107.0	48.0
107.2	53.0
107.4	61.0
107.6	49.0
107.8	48.0
108.0	41.0
108.2	34.0
108.4	40.0
108.6	64.0
108.8	42.0
109.0	37.0
109.2	49.0
109.4	49.0
109.6	44.0
109.8	56.0
110.0	58.0
110.2	64.0
110.4	74.0
110.6	54.0
110.8	48.0
111.0	68.0
111.2	82.0
111.4	64.0
111.6	70.0
111.8	57.0
112.0	61.0
112.2	58.0
112.4	60.0
112.6	52.0
112.8	42.0
113.0	65.0
113.2	60.0
113.4	81.0
113.6	49.0
113.8	61.0
114.0	84.0
114.2	73.0
114.4	53.0
114.6	56.0
114.8	54.0
115.0	52.0
115.2	49.0
115.4	58.0
115.6	62.0
115.8	61.0
116.0	62.0

North Hunting Camp Well #1 Well Data

~ADEPTH(ft)	~CPS
116.2	53.0
116.4	69.0
116.6	69.0
116.8	42.0
117.0	53.0
117.2	45.0
117.4	45.0
117.6	40.0
117.8	45.0
118.0	40.0
118.2	56.0
118.4	45.0
118.6	46.0
118.8	54.0
119.0	48.0
119.2	57.0
119.4	30.0
119.6	53.0
119.8	44.0
120.0	53.0
120.2	62.0
120.4	65.0
120.6	84.0
120.8	85.0
121.0	66.0
121.2	58.0
121.4	102.0
121.6	77.0
121.8	88.0
122.0	77.0
122.2	69.0
122.4	72.0
122.6	58.0
122.8	65.0
123.0	81.0
123.2	90.0
123.4	101.0
123.6	74.0
123.8	74.0
124.0	77.0
124.2	80.0
124.4	68.0
124.6	88.0
124.8	76.0
125.0	78.0
125.2	94.0
125.4	77.0

~ADEPTH(ft)	~CPS
125.6	84.0
125.8	72.0
126.0	78.0
126.2	50.0
126.4	37.0
126.6	44.0
126.8	37.0
127.0	48.0
127.2	49.0
127.4	53.0
127.6	46.0
127.8	74.0
128.0	81.0
128.2	122.0
128.4	140.0
128.6	134.0
128.8	120.0
129.0	116.0
129.2	101.0
129.4	101.0
129.6	77.0
129.8	66.0
130.0	57.0
130.2	56.0
130.4	57.0
130.6	53.0
130.8	58.0
131.0	42.0
131.2	46.0
131.4	76.0
131.6	69.0
131.8	74.0
132.0	89.0
132.2	101.0
132.4	100.0
132.6	100.0
132.8	88.0
133.0	85.0
133.2	93.0
133.4	93.0
133.6	77.0
133.8	84.0
134.0	80.0
134.2	104.0
134.4	80.0
134.6	121.0
134.8	93.0

~ADEPTH(ft)	~CPS	
135.0	101.0	
135.2	84.0	
135.4	85.0	
135.6	90.0	
135.8	70.0	
136.0	84.0	
136.2	76.0	
136.4	56.0	
136.6	54.0	
136.8	53.0	
137.0	56.0	
137.2	54.0	
137.4	46.0	
137.6	49.0	
137.8	61.0	
138.0	50.0	
138.2	48.0	
138.4	52.0	
138.6	61.0	
138.8	53.0	
139.0	66.0	
139.2	62.0	
139.4	72.0	
139.6	66.0	
139.8	74.0	
140.0	64.0	
140.2	44.0	TD

~ADEPTH(ft)	~CPS

GeoInstruments Logging

Nacogdoches, Texas

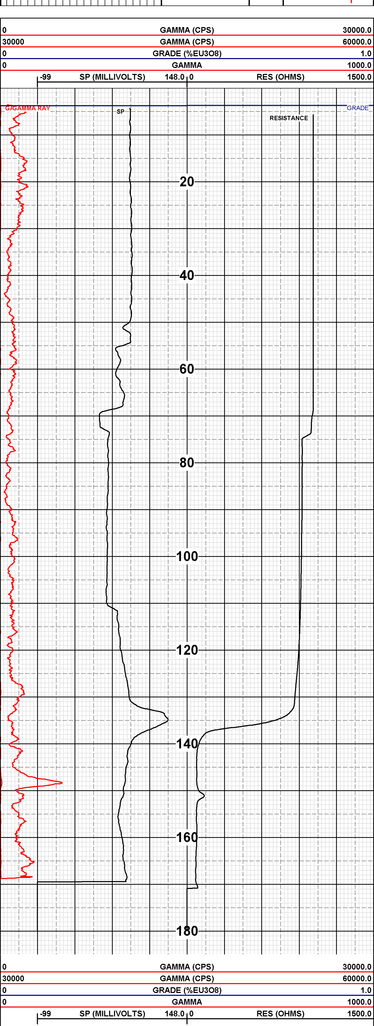
NORTH CAMP WELL 2

GAMMA

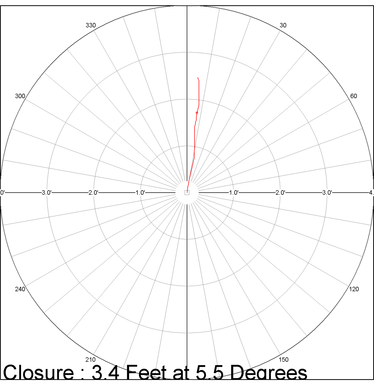
PERMANENT DATUM	GL
LOG MEASURED FROM	KB
DRILLING MEASURED FROM	KB
ELEV.: K.B.	
G.L.	
D.F.	

API NUMBER	
LOCATION	
COUNTY	
STATE	
OTHER SERVICES	

RUN NO.	
DATE	
DEPTH-DRILLER	
DEPTH-LOGGER	
BTM. LOG INTERVAL	
TOP LOG INTERVAL	
CASING-DRILLER	
CASING-LOGGER	
BIT SIZE	
TYPE FLUID IN HOLE	
DENS. VISC.	
PH FLUID LOSS	
SOURCE OF SAMPLE	
RM @ MEAS. TEMP.	
RMF @ MEAS. TEMP.	
RMC @ MEAS. TEMP.	
SOURCE OF RMF / RMC	
RM @ BHT	
TIME CIRC.	
TIME LOGGER ON BOTTOM	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	



HOLE ID: NORTH CAMP WELL 2
DATE: MON SEP 15 15:04:54 2014



Closure : 3.4 Feet at 5.5 Degrees

Hole Number:		NORTH CAMP WELL 2	Grade Cutoffs		Grade Cutoffs		
Date Logged:		MON SEP 15 15:04:54 2014	Highest		.1		
Tool ID / SN:		8020	Next Lowest		.05		
K-Factor:		0.00000505	Next Lowest		.02		
Deadtime:		0.00000540	Lowest		.01		
Calibration Date:		03 25 14					
Water Factor:		1.151					
Hole Size Factor:		1					
	Raw	Corrected	Grade	Grade	Grade	Grade	
Depth	Gamma	Gamma	Grade	> 0.010	> 0.020	> 0.050	> 0.100

== SUMMARY ==

South Texas Mining Venture

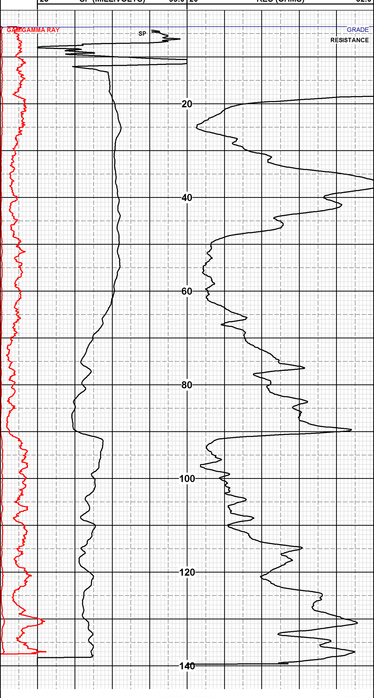
Corpus Christi, Texas

NORTH CAMP WELL 3

NORTH CAMP WELL 3

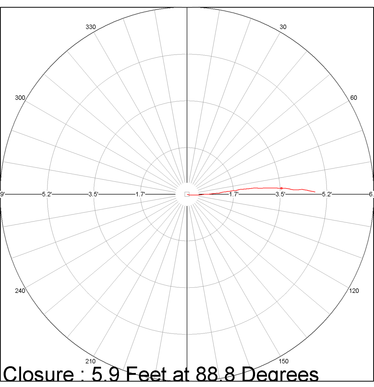
API NUMBER	
COUNTY	NUECES
STATE	TX
SURVEY	
ABSTRACT	
FIELD	
LOCATION	
ELEVATION	
PERMANENT DATUM	GROUND LEVEL
LOG MEASURED FROM	PERMANENT DATUM
DRILLING MEASURED FROM	KELLY BUSHING
ELEVATION	
PERMANENT DATUM	GROUND LEVEL
ELEV. K.B.	
ELEV. D.F.	
ELEV. G.L.	
DATE	
RUN NO.	
DEPTH-DRILLER	
DEPTH-LOGGER	
BTM. LOG INTERVAL	
TOP LOG INTERVAL	
CASING-DRILLER	
CASING-LOGGER	
BIT SIZE	
TYPE FLUID IN HOLE	
DENS. VISC.	
PH FLUID LOSS	
SOURCE OF SAMPLE	
RM @ MEAS. TEMP.	
RMF @ MEAS. TEMP.	
RMC @ MEAS. TEMP.	
SOURCE RMF RMC	
RM @ BHT	
TIME CIRC.	
TIME LOGGER ON BOTTOM	
MAX. REC. TEMP.	
EQUIP. LOCATION	
RECORDED BY	
WITNESSED BY	

0	GAMMA (CPS)	10000.0
10000	GAMMA (CPS)	20000.0
0	GRADE (%EU3O8)	40.0
0	GAMMA	1000.0
25	SP (MILLIVOLTS) 99.0 20	RES (OHMS) 32.0



0	GAMMA (CPS)	10000.0
10000	GAMMA (CPS)	20000.0
0	GRADE (%EU3O8)	40.0
0	GAMMA	1000.0
25	SP (MILLIVOLTS) 99.0 20	RES (OHMS) 32.0

HOLE ID: NORTH CAMP WELL 3
DATE: WED OCT 08 15:41:16 2014



Closure : 5.9 Feet at 88.8 Degrees

Hole Number:	NORTH CAMP WELL 3		Grade Cutoffs	Grade Cutoffs	
Date Logged:	WED OCT 08 15:41:16 2014		Highest	1	
Tool ID / SN:	8020		Next Lowest	.05	
K-Factor:	0.00000673		Next Lowest	.02	
Deadtime	0.0000300		Lowest	.01	
Calibration Date:	9 21 14				
Water Factor:	1.2				
Hole Size Factor:	1				
	Raw	Corrected	Grade	Grade	Grade	Grade	Grade
Depth	Gamma	Gamma	Grade	> 0.010	> 0.020	> 0.050	> 1.000

== SUMMARY ==

GeoInstruments Logging

Nacogdoches, Texas

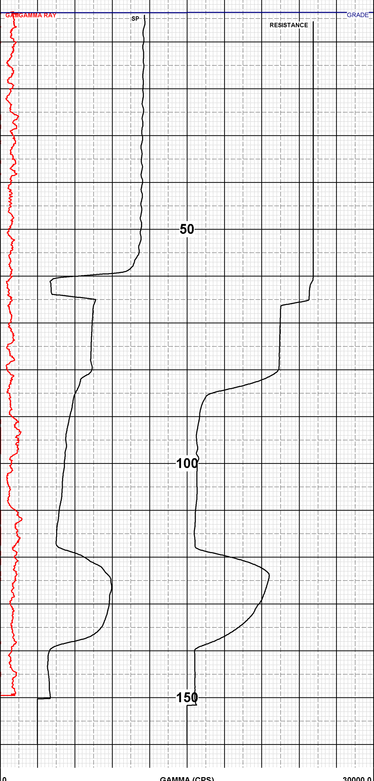
SOUTH CAMP WELL 1

GAMMA

RECEIVED	
TRUCK	
SURFACE LOCATION	
1111 FSL 1111 FEL	
SURVEY	
ABSTRACT	
COUNTY	
STATE	TX
ELEVATION	515
KB	
DF	
GL	
PERMANENT DATUM	GLEV
LOG MEASURED FROM	PERMANENT DATUM
DRILLING MEASURED FROM	KELLY BUSHING
API SERIAL NO.	42-347-33333

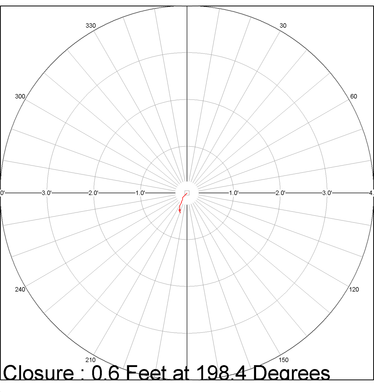
Run Number	One		
Date Logged	9/15/2014		
Depth Driller	1,000		
Depth Logger	1,000		
Bottom Logged Interval	1,000		
Top Logged Interval	0		
Casing Driller	0		
Casing Logger	0		
Bit Size	7.875		
Type Fluid in Hole	WATER		
Density	8.34		
Viscosity	26		
Fluid Loss	0		
Source of Sample	Flowline		
Rm @ Meas Temp	0.000 @ 0		
Rmf @ Meas Temp	0.000 @ 0		
Rmc @ Meas Temp	0.000 @ 0		
Source of Rmf and Rmc	Measured		
Rm @ BHT	0.000 @ 0		
Time Since Circulation	0		
Max Rec Temp	0		
Equipment Number	1		
Location			
Recorded By			
Witnessed By			

0	GAMMA (CPS) 30000.0
30000	GAMMA (CPS) 60000.0
0	GRADE (%EU3O8) 1.0
0	GAMMA 1000.0
-99	SP (MILLIVOLTS) 208.0 0 RES (OHMS) 1500.0



0	GAMMA (CPS) 30000.0
30000	GAMMA (CPS) 60000.0
0	GRADE (%EU3O8) 1.0
0	GAMMA 1000.0
-99	SP (MILLIVOLTS) 208.0 0 RES (OHMS) 1500.0

HOLE ID: SOUTH CAMP WELL 1
DATE: MON SEP 15 14:13:25 2014



Closure : 0.6 Feet at 198.4 Degrees

Hole Number:	SOUTH CAMP WELL 1	Grade Cutoffs	Grade Cutoffs		
Date Logged:	MON SEP 15 14:13:25 2014	Highest	.1		
Tool ID / SN:	9320	Next Lowest	.05		
K-Factor:	0.00000505	Next Lowest	.02		
Deadtime:	0.00000540	Lowest	.01		
Calibration Date:	03 25 14				
Meter Factor:	1.161				
Hole Size Factor:	1				

Depth	Raw Gamma	Corrected Gamma	Grade	Grade > 0.010	Grade > 0.020	Grade > 0.050	Grade > 0.100

== SUMMARY ==