



# Administrative Package Cover Page

**This file contains the following documents:**

1. Summary of application (in plain language)
    - English
    - Alternative Language (Spanish)
  2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
    - English
    - Alternative Language (Spanish)
  3. Application materials
- 



# Portada de Paquete Administrativo

**Este archivo contiene los siguientes documentos:**

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
  - Inglés
  - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
  - Inglés
  - Idioma alternativo (español)
3. Solicitud original



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

## Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

### ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

*The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.*

Arete Thomas Ranch, LLC (CN606373215) proposes to operate Thomas Ranch WWTP (RN112190822), a wastewater treatment plant and surface spray irrigation system to dispose of treated effluent. The facility will be located at approximately 1.2 miles northwest of the intersection of State Hwy 71 and Paleface Ranch Rd., in Spicewood, Travis County, Texas 78669. This is a TLAP application to authorize the disposal of treated wastewater at a volume not to exceed 510,000 gallons per day via a surface spray irrigation system on approximately 191 acres. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N), total phosphorus, and *Escherichia coli*. Domestic wastewater will be treated by a headworks screen, an aeration basin, a clarifier, an aerobic digester, a chlorine contact chamber, a disk filter, and then disposed of through a surface spray irrigation system.



## PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

### AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

*El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.*

Arete Thomas Ranch, LLC (CN606373215) propone operar Thomas Ranch WWTP (RN112190822), una planta de tratamiento de aguas residuales y sistema de riego por aspersión superficial para disposición del efluente tratado. La instalación estará ubicada en aproximadamente 1,2 millas al noroeste de la intersección de State Hwy 71 y Paleface Ranch Rd , en estará, Condado de Travis, Texas 78669. Esta es una solicitud TLAP para autorizar la eliminación de aguas residuales tratadas en un volumen que no exceda los 510,000 galones por día a través de un sistema de riego por aspersión de superficie en aproximadamente 191 acres. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso, sólidos suspendidos totales, nitrógeno amoniacal, fósforo total y *Escherichia coli*. Aguas residuales domésticas . están tratado por una criba de cabecera, un estanque de aireación, un clarificador, un digestor aeróbico, una cámara de contacto de cloro, un filtro de discos, para luego ser eliminado a través de un sistema de riego por aspersión superficial.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



## NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT

**PROPOSED PERMIT NO. WQ0016769001**

**APPLICATION.** Arete Thomas Ranch Holdings, LLC, c/o Allen Boone Humphries Robinson LLP, 919 Congress Avenue, Suite 1500, Austin, Texas 78701, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Land Application Permit (TLAP) No. WQ0016769001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 510,000 gallons per day via surface application and irrigation on 191 acres of land. The domestic wastewater treatment facility and irrigation area will be located approximately 1.2 miles northwest of the intersection of Paleface Ranch Road and State Highway 71, near the city of Austin, in Travis County, Texas 78669, and 0.9 miles northwest of the intersection of Haynie Flat Road and Paleface Ranch Road, near the city of Spicewood, Burnet County, Texas 78669. TCEQ received this application on April 7, 2025. The permit application will be available for viewing and copying at Laura Bush Community Library, Front Desk, 9411 Bee Cave Road, Austin, in Travis County and Spicewood Community Library, Front Desk, 1011 Spur 191, Spicewood, in Burnet County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.10984,30.426025&level=18>

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>.

El aviso de idioma alternativo en español está disponible en

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>.

**ADDITIONAL NOTICE.** TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

**PUBLIC COMMENT / PUBLIC MEETING.** You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

**OPPORTUNITY FOR A CONTESTED CASE HEARING.** After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application.** If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing. A contested case hearing is a legal proceeding similar to a civil trial in state district court.

**TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST:** your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

**MAILING LIST.** If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Search the database using the permit number for this application, which is provided at the top of this notice.

**AGENCY CONTACTS AND INFORMATION.** All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at [www.tceq.texas.gov/goto/pep](http://www.tceq.texas.gov/goto/pep). Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Arete Thomas Ranch Holdings, LLC at the address stated above or by calling Ms. Behnaz Jalili, PhD, P.E., Kimley-Horn and Associates, Inc., at 512-518-5596.

Issuance Date: May 6, 2025

# Comisión de Calidad Ambiental del Estado de Texas



## AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA

### PERMISO PROPUESTO NO. WQ0016769001

**SOLICITUD.** Arete Thomas Ranch Holdings, LLC C/O Allen Boone Humphries Robinson LLP, 919 Congress Avenue, Suite 1500, Austin, Texas 78701 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016769001 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 510,000 galones por día a través de aplicación superficial y riego en 191 acres de tierra. La instalación de tratamiento de aguas residuales domésticas y el área de riego estarán ubicados aproximadamente a 1.2 millas al noroeste de la intersección de Paleface Ranch Road y State Highway 71, cerca de la ciudad de Austin, en el condado de Travis, Texas 78669, y a 0.9 millas al noroeste de la intersección de Haynie Flat Road y Paleface Ranch Road, cerca de la ciudad de Spicewood. Condado de Burnet, Texas 78669. La TCEQ recibió esta solicitud el 7 de abril de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Spicewood Community Library, Recepción, 1011 Spur 191, Spicewood, en el condado de Burnet y en Laura Bush Community Library, Recepción, 9411 Bee Caves Rd., Austin, en el condado de Travis antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.10984,30.426025&level=18>

**AVISO DE IDIOMA ALTERNATIVO.** El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>.

**AVISO ADICIONAL.** El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

**COMENTARIO PUBLICO / REUNION PUBLICA.** Usted puede presentar comentarios públicos

**o pedir una reunión pública sobre esta solicitud.** El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

**PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS:** su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.**

**LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo,



la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

**CONTACTOS E INFORMACIÓN A LA AGENCIA.** Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Arete Thomas Ranch Holdings, LLC a la dirección indicada arriba o llamando a Ms. Behnaz Jalili, PhD, P.E., Kimley-Horn and Associates, Inc. al 512-518-5596.

Fecha de emisión: 6 de mayo de 2025

April 22, 2025

Abesha Michael  
Applications Review and Processing Team (MC148)  
Water Quality Division  
Texas Commission on Environmental Quality

**RE:     Application for Proposed Permit No.: WQ0016769001**  
**Applicant Name: Arete Thomas Ranch Holdings, LLC (CN606373215)**  
**Site Name: Thomas Ranch WWTP (RN112190822)**  
**Type of Application: New**

Dear Abesha Michael,

Thank you for reviewing the permit application and informing us of the additional information needed in the Notice of Deficiency letter dated April 8, 2025. The responses to your comments are as follows:

1. Four hard copies of the whole application have been delivered to 12100 Park 35 Circle, Bldg F, Austin, TX 78753. See attached proof of receipt (Attachment "*Proof of Receipt of Hard Copy Submission*"). The original copy, including the wet signature, will be mailed to the same address at the earliest convenience.
2. The name of the county has been added to Section III, Item 25 of the Core Data Form (CDF). See Attachment "*10400 Core Data Form*".
3. A public viewing location has been provided for both Burnet County and Travis County. The viewing location in Travis County will be the Laura Bush Community Library (9411 Bee Caves Rd., Austin, TX 78733). See Attachment "*Page 6\_Public Viewing Location*".
4. The Plain Language Summary (PLS) has been updated to reflect the final phase flow of 510,000 gallons per day. See Attachment "*Summary of Application in Plain Language*".
5. The translated Spanish NORI has been provided as an attachment to this document. See Attachment "*WQ0016769001\_Spanish NORI.docx*".
6. Arete Thomas Ranch Holdings, LLC is the owner of the land where the treatment facility will be located, not Mr. Thomas Hogan. His name has been removed from Section 9, Item D of the Administrative Report. See Attachment "*Pages 7-8\_Land Ownership*".
7. Arete Thomas Ranch Holdings, LLC is the owner of the effluent disposal sites, not Mr. Thomas Hogan. His name has been removed from Section 9, Item E of the Administrative Report. See Attachment "*Pages 7-8\_Land Ownership*".
8. Documentation has been provided that confirms Thomas Hogan and Rebecca Buchan as authorized signatories for Arete Thomas Ranch Holdings, LLC under 30 TAC 305.44. Attachment "*Pages from Arete Thomas Ranch Holdings, LLC - Operating Agreement (12.01.21) (Executed)*"

states that Arete Collective, LP is a Working Member of Arete Thomas Ranch Holdings, LLC, and has exclusive responsibility for day-to-day management and operation of the business.

Attachment "*Pages from Areté Collective LP - AR Limited Partnership Agreement (Executed) (10.01.22)*" states that the General Partner of Arete Collective, LP (AC Management GP, LLC) has the right to act on behalf of the entity. Lastly, Attachment "*Arete - AC Management Manager Consent (Appointing Arete Officers) (Executed) (07.13.22)*" appoints Rebecca Buchan and Thomas Hogan as officers of AC Management GP, LLC.

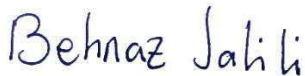
9. The Affected Landowners Map is attached to this document (Attachment "*20250304\_Thomas Ranch\_Affected Landowners Map*").
10. The mailing labels were provided with the hard copies that were delivered to 12100 Park 35 Circle, Bldg F, Austin, TX 78753 on April 8<sup>th</sup>, 2025. The mailing labels in Microsoft Word Format have also been attached to this document as Attachments "*Landowners 01.docx*", "*Landowners 02.docx*", and "*Landowners 03.docx*".
11. We find no errors or omissions in the portion of the NORI provided. The Travis County public viewing location can be added as: Laura Bush Community Library, Front Desk, 9411 Bee Caves Rd., Austin, TX, 78733.
12. The translated Spanish NORI has been provided as an attachment to this document. See Attachment "*WQ0016769001\_Spanish NORI.docx*".

You may contact me with any requests or questions at [behnaz.jalili@kimley-horn.com](mailto:behnaz.jalili@kimley-horn.com) or by phone at 512-518-5596.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.

Texas Firm No. 928



Behnaz Jalili, PhD, P.E.



**Attachments:**

Proof of Receipt of Hard Copy Submission

10400 Core Data Form

Page 6\_Public Viewing Location

Summary of Application in Plain Language

WQ0016769001\_Spanish NORI.docx

Pages 7-8\_Land Ownership

Pages from Arete Thomas Ranch Holdings, LLC - Operating Agreement (12.01.21) (Executed)

Pages from Areté Collective LP - AR Limited Partnership Agreement (Executed) (10.01.22)

Arete - AC Management Manager Consent (Appointing Arete Officers) (Executed) (07.13.22)

20250304\_Thomas Ranch\_Affected Landowners Map

Landowners 01.docx

Landowners 02.docx

Landowners 03.docx



# TCEQ Core Data Form

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

## SECTION I: General Information

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
<b>2. Customer Reference Number</b> (if issued)		<b>3. Regulated Entity Reference Number</b> (if issued)
CN		RN

[Follow this link to search for CN or RN numbers in Central Registry\\*\\*](#)

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership			
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>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).</i>			
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Arete Thomas Ranch Holdings, LLC			
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)
804367904	32082433494	42-2785650	N/A
<b>11. Type of Customer:</b>	<input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Individual         Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited		
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:		
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
<b>15. Mailing Address:</b>	C/O Allen Boone Humphries Robinson LLP		
	919 Congress AVE, STE 1500		
	City	State	ZIP
	Austin	TX	78701
<b>16. Country Mailing Information</b> (if outside USA)		<b>17. E-Mail Address</b> (if applicable)	
		ian.clements@kimley-horn.com	

<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b>
( 737 ) 241-9266		(   ) -

## SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>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).</i>								
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)								
Thomas Ranch WWTP								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)								
	City		State		ZIP		ZIP + 4	
<b>24. County</b>								

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

<b>25. Description to Physical Location:</b>	Approximately 1.2 miles northwest of the intersection of State Hwy 71 and Paleface Ranch Rd., in Travis County, TX.							
<b>26. Nearest City</b>	<b>State</b>				<b>Nearest ZIP Code</b>			
Austin	TX				78669			
<i>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).</i>								
<b>27. Latitude (N) In Decimal:</b>		30.426025			<b>28. Longitude (W) In Decimal:</b>		-98.109841	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30	25	34	-98	6	35			
<b>29. Primary SIC Code</b> (4 digits)	<b>30. Secondary SIC Code</b> (4 digits)		<b>31. Primary NAICS Code</b> (5 or 6 digits)		<b>32. Secondary NAICS Code</b> (5 or 6 digits)			
9511			221310					
<b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)								
Wastewater Treatment								
<b>34. Mailing Address:</b>	C/O Allen Boone Humphries Robinson LLP							
	919 Congress AVE, STE 1500							
	City	Austin	State	TX	ZIP	78701	ZIP + 4	2156
<b>35. E-Mail Address:</b>	ian.clements@kimley-horn.com							
<b>36. Telephone Number</b>	<b>37. Extension or Code</b>				<b>38. Fax Number (if applicable)</b>			
( 737 ) 241-9266					(   ) -			



**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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

## **SECTION IV: Preparer Information**

<b>40. Name:</b>	Behnaz Jalili		<b>41. Title:</b>	Project Manager
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>	
( 512 ) 518-5596		( ) -	Behnaz.Jalili@kimley-horn.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.

<b>Company:</b>	Arete Thomas Ranch Holdings, LLC		<b>Job Title:</b>	Manager	
<b>Name (In Print):</b>	Rebecca Buchan			<b>Phone:</b>	(801) 550-3484
<b>Signature:</b>	 03A053CA05034A9...			<b>Date:</b>	4/21/2025

Mailing Address: 5301 Southwest Parkway, Building 2, Suite 100 City, State, Zip Code: Austin, TX 78735

Phone No.: 512-518-5596

E-mail Address: Behnaz.jalili@kimley-horn.com

**B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package**

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☒ Regular Mail

**C. Contact permit to be listed in the Notices**

Prefix: Ms.

Last Name, First Name: Jalili, Behnaz

Title: Project Engineer

Credential: PhD, P.E.

Organization Name: Kimley-Horn and Associates, Inc.

Mailing Address: 5301 Southwest Parkway, Building 2, Suite 100 City, State, Zip Code: Austin, TX 78735

Phone No.: 512-518-5596

E-mail Address: Behnaz.jalili@kimley-horn.com

**D. Public Viewing Information**

*If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.*

Public building name: Spicewood Community Library

Location within the building: Front Desk

Physical Address of Building: 1011 Spur 191

City: Spicewood

County: Burnet

Contact (Last Name, First Name): James, Rita

Phone No.: 830-693-7892 Ext.: Click to enter text.

Public building name: Laura Bush Community Library

Location within the building: Front Desk

Physical Address of Building: 9411 Bee Caves Rd

City: Austin

County: Travis

Contact (Last Name, First Name): Click to enter text.

Phone No.: 512-327-3045 Ext.: Click to enter text.

**E. Bilingual Notice Requirements**

This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and

obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

☐ Yes ☒ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

☐ Yes ☒ No

3. Do the students at these schools attend a bilingual education program at another location?

☐ Yes ☒ No

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

☐ Yes ☒ No

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program?

#### F. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

**Attachment:** Attachment 3

#### G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

**Attachment:** Attachment 4

## Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

- A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN Click to enter text.

Search the TCEQ's Central Registry at <http://www15.tceq.texas.gov/crpub/> to determine if the site is currently regulated by TCEQ.

- B. Name of project or site (the name known by the community where located):

Thomas Ranch Wastewater Treatment Plant

- C. Owner of treatment facility: Arete Thomas Ranch Holdings, LLC

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

- D. Owner of land where treatment facility is or will be:

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: [Click to enter text.](#) Credential: [Click to enter text.](#)

Organization Name: Arete Thomas Ranch Holdings, LLC

Mailing Address: C/O Allen Boone Humphries Robinson LLP, 919 Congress AVE, STE 1500  
City, State, Zip Code: Austin, TX 78701-2156

Phone No.: 737-241-9266

E-mail Address: ian.clements@kimley-horn.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

**Attachment:** [Click to enter text.](#)

**E. Owner of effluent disposal site:**

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: Arete Thomas Ranch Holdings, LLC

Mailing Address: C/O Allen Boone Humphries Robinson LLP, 919 Congress AVE, STE 1500  
City, State, Zip Code: Austin, TX 78701-2156

Phone No.: 737-241-9266

E-mail Address: ian.clements@kimley-horn.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

**Attachment:** [Click to enter text.](#)

**F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):**

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#) City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#) E-mail Address: [Click to enter text.](#)

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

**Attachment:** [Click to enter text.](#)

## Section 10. TPDES Discharge Information (Instructions Page 31)

**A. Is the wastewater treatment facility location in the existing permit accurate?**

☐ Yes ☐ No

If **no**, or a new permit application, please give an accurate description:

[Click to enter text.](#)

**B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?**

☐ Yes ☐ No

If **no**, or a new or amendment permit application, provide an accurate description of the

point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

Click to enter text.

City nearest the outfall(s): Click to enter text.

County in which the outfalls(s) is/are located: Click to enter text.

- C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☐ No

If yes, indicate by a check mark if:

☐ Authorization granted ☐ Authorization pending

For new and amendment applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: Click to enter text.

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Click to enter text.

## Section 11. TLAP Disposal Information (Instructions Page 32)

- A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☐ Yes ☐ No

If no, or a new or amendment permit application, provide an accurate description of the disposal site location:

The spray irrigation fields will be located within the proposed Arete Thomas Ranch subdivision, approximately 1.2 miles northwest of the intersection of Paleface Ranch Road and State Highway 71, near the city of Austin, in Travis County, Texas 78669, and 0.9 miles northwest of intersection of Paleface Ranch Road and Haynie Flat Road, near the city of Spicewood, Burnet County, Texas 78669.

- B. City nearest the disposal site: City of Austin

- C. County in which the disposal site is located: Travis County, Burnet County

- D. For TLAPs, describe the routing of effluent from the treatment facility to the disposal site:

Route is from the effluent pump station to the irrigation lake and from the irrigation lake to the irrigation area.

- E. For TLAPs, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Pedernales River

## Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

**ACTION BY WRITTEN CONSENT OF THE  
MANAGERS OF  
AC MANAGEMENT GP, LLC**

**THE UNDERSIGNED**, being the managers of AC Management GP, LLC, a Utah limited liability company (the “**Company**”), hereby adopt the following resolutions by written consent:

**WHEREAS**, the Company is the general partner of Areté Collective, LP (“**Areté**”); and

**WHEREAS**, the Company, in its capacity as the general partner of Areté, desires to appoint certain individuals to act as officers of Areté for the purpose of overseeing the day-to-day administration of the business of Areté.

**A. APPOINTMENT OF OFFICERS**

**RESOLVED**, that the following individuals are hereby appointed to serve as executive officers of Areté, to carry out the day-to-day administration of the business of Areté, subject to the direction and oversight of the Company:

<u>Name</u>	<u>Title</u>
Rebecca Buchan	Chief Executive Officer
Thomas Hogan	Chief Financial Officer
Joey Buchan	President, Secretary and Treasurer
Faith Hogan	Chief Talent Officer
Kerry Hing	Chief Operating Officer

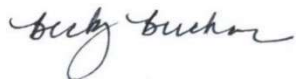
**B. AUTHORIZATION OF PAST AND FURTHER ACTIONS**


**RESOLVED**, that the executive officers appointed herein are, and each of them hereby is, authorized and directed, for and on behalf of Areté, to execute all documents and take such further action as they may deem necessary, appropriate or advisable to effect the purposes of the foregoing resolution; and

**RESOLVED FURTHER**, that any and all actions heretofore taken by any executive officer in connection with the carrying out of the business of Areté are hereby ratified, adopted, approved and confirmed in all respects as authorized acts in the name and on behalf of Areté.

**IN WITNESS WHEREOF**, the undersigned, being all of the managers of the Company, do hereby adopt the foregoing resolutions by Written Consent. This Action may be executed in counterparts and delivered by facsimile or other electronic transmission, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

**MANAGERS OF THE COMPANY:**

By:   
Name: Rebecca Buchan  
Date: 7/13/2022

By:   
Name: Thomas Hogan  
Date: 7/13/2022



# Comisión de Calidad Ambiental del Estado de Texas



## AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA

### PERMISO PROPUESTO NO. WQ00

**SOLICITUD.** *Arete Thomas Ranch Holdings, LLC C/O Allen Boone Humphries Robinson LLP, 919 Congress Avenue, Suite 1500, Austin, Texas 78701* ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016769001 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de *510,000* galones por día mediante *aplicación superficial y riego*. La planta y el área de disposición estarán ubicados *aproximadamente a 1,2 millas al noroeste de la intersección de Paleface Ranch Road y State Highway 71, cerca de la ciudad de Austin*, en el Condado de *Travis*, Texas *78669*. La TCEQ recibió esta solicitud el *7 de abril de 2025*. La solicitud para el permiso estará disponible para leerla y copiarla en *Spicewood Community Library, Recepción, 1011 Spur 191, Spicewood, en el condado de Burnet y en Laura Bush Community Library, Recepción, 9411 Bee Caves Rd., Austin, en el condado de Travis* antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.10984,30.426025&level=18>

*[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange.]* El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

**AVISO DE IDIOMA ALTERNATIVO.** El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>.

**AVISO ADICIONAL.** El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de

completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

**COMENTARIO PUBLICO / REUNION PUBLICA.** Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

**PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS:** su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre

los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.**

**LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

**CONTACTOS E INFORMACIÓN A LA AGENCIA.** Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del *Arete Thomas Ranch Holdings, LLC* a la dirección indicada arriba o llamando a *Ms. Behnaz Jalili, PhD, P.E., Kimley-Horn and Associates, Inc.* al 512-518-5596.

Fecha de emisión: *[Date notice issued]*

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**ARETÉ COLLECTIVE, LP**

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**AMENDED AND RESTATED LIMITED PARTNERSHIP AGREEMENT**

**October 1, 2022**

THE PARTNERSHIP INTERESTS REPRESENTED BY THIS AMENDED AND RESTATED AGREEMENT OF LIMITED PARTNERSHIP HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR UNDER ANY OTHER APPLICABLE SECURITIES LAWS. SUCH UNITS MAY NOT BE SOLD, ASSIGNED, PLEDGED, TRANSFERRED OR OTHERWISE DISPOSED OF AT ANY TIME WITHOUT EFFECTIVE REGISTRATION UNDER SUCH ACT AND LAWS OR AN EXEMPTION THEREFROM, AND IN COMPLIANCE WITH THE OTHER RESTRICTIONS ON TRANSFERABILITY SET FORTH HEREIN.

CERTAIN OF THE PARTNERSHIP INTERESTS REPRESENTED BY THIS AGREEMENT OF LIMITED PARTNERSHIP MAY ALSO BE SUBJECT TO ADDITIONAL RESTRICTIONS ON TRANSFER, VESTING PROVISIONS, REPURCHASE OPTIONS, OFFSET RIGHTS AND FORFEITURE PROVISIONS SET FORTH HEREIN AND/OR IN A SEPARATE AGREEMENT WITH THE INITIAL HOLDER OF SUCH PARTNERSHIP INTERESTS. A COPY OF ANY SUCH AGREEMENT MAY BE OBTAINED FROM THE PARTNERSHIP BY THE HOLDER OF SUCH PARTNERSHIP INTERESTS UPON WRITTEN REQUEST AND WITHOUT CHARGE.

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**ARETÉ COLLECTIVE, LP**  
**AMENDED AND RESTATED LIMITED PARTNERSHIP AGREEMENT**

THIS AMENDED AND RESTATED LIMITED PARTNERSHIP AGREEMENT of Areté Collective, LP, a Utah limited partnership (the “**Partnership**”), is entered into as of October 1, 2022, by and among the General Partner and the Limited Partners.

**WHEREAS**, the Partnership was formed pursuant to the filing of a certificate of limited partnership with the Secretary of State of the State of Utah on May 28, 2021 (the “**Certificate**”);

**WHEREAS**, the Partnership, the General Partner and certain Limited Partners executed and delivered that certain Limited Partnership Agreement, dated effective as of May 28, 2021 (the “**Original Partnership Agreement**”);

**WHEREAS**, the Partnership, the General Partner and the Limited Partners desire, and have agreed, to enter into this Agreement to amend, restate and supersede the Original Partnership Agreement in its entirety as set forth in this Agreement; and

**WHEREAS**, in connection with the above-referenced transactions, the parties hereto desire to enter into this Agreement to set forth their agreements concerning the Partnership.

**NOW, THEREFORE**, in consideration of the mutual covenants contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto, intending to be legally bound, hereby agree as follows:

**ARTICLE I**

**DEFINITIONS**

Capitalized terms used but not otherwise defined herein shall have the following meanings:

“**Additional Limited Partner**” means a Person admitted to the Partnership as a Partner pursuant to Section 10.2.

“**Affiliate**” of any particular Person means (i) any other Person controlling, controlled by or under common control or common investment management with such particular Person, where “control” means the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of a Person whether through the ownership of voting securities, by contract or otherwise, and such “control” shall be conclusively presumed if any Person owns ten percent (10%) or more of the voting capital stock or other equity securities, directly or indirectly, of any other Person and/or (ii) if such Person (other than the Partnership) is a partnership (including limited partnership) or limited liability company, any partner or member thereof.

“**Agreement**” means this Amended and Restated Limited Partnership Agreement, as the same may be further amended, restated, modified or waived from time to time in accordance with the terms hereof.

“**Applicable Tax Rate**” means, for any calendar year, the highest maximum combined marginal federal, state and local income tax rate applicable to any Unitholder (or any pass-through Holder’s partners or members and including any Taxes imposed under Code Section 1411) residing in the United States but taking into account the character of the Partnership’s and its Subsidiaries’ income and the deductibility (to

**“Family Group”** means, as to any particular Person, (i) such Person’s spouse and descendants (whether natural or adopted), (ii) any trust solely for the benefit of such Person and/or such Person’s spouse and/or descendants and (iii) any partnerships, corporations or limited liability companies where the only partners, shareholders or members are such Person and/or such Person’s spouse, descendants and/or trusts referred to in clause (ii) of this definition.

**“Founding Holder Sale Option”** has the meaning set forth in Section 9.12(a).

**“Founding Holders”** means each of Rebecca Buchan, Joey Buchan or Thomas Hogan.

**“FINRA”** means the Financial Industry Regulatory Authority.

**“First Holder Notice”** has the meaning set forth in Section 9.11(a)(iii).

**“Fiscal Year”** means the twelve (12) month period ending on December 31, or such other annual accounting period as may be established by the General Partner or as required by the Code.

**“Forfeiture Allocations”** has the meaning set forth in Section 4.3.

**“Fully-Diluted Basis”** means the aggregate number of Units outstanding at any time, which shall be equal to (i) the Class A Units outstanding at such time, plus (ii) the number of Incentive Units outstanding at such time.

**“GAAP”** means United States generally accepted accounting principles, consistently applied.

**“General Partner”** means AC Management GP, LLC, a Utah limited liability company, in its capacity as the general partner of the Partnership.

**“General Partner Interest”** means, with respect to a General Partner, the non-economic interest in the Partnership held by such General Partner.

**“Good Reason”** shall have the meaning assigned to such term in the applicable Executive Partner’s employment agreement with the Partnership or any of its Subsidiaries; provided, however, if such Executive Partner does not have an employment agreement with the Partnership or any of its Subsidiaries or such term is not defined in such employment agreement, then such Executive Partner shall not be eligible to be treated as having terminated employment or other service with the Partnership or any of its Subsidiaries for Good Reason.

**“Governmental Entity”** means (i) any federal, state, local, municipal, non-U.S. or other government, (ii) any governmental or quasi-governmental authority of any nature (including any governmental agency, branch, department, official, entity or self-regulatory organization and any court or other tribunal), (iii) any body exercising, or entitled to exercise, any administrative, executive, judicial, legislative, police, regulatory or taxing authority or power of any nature, including any arbitral tribunal, or (iv) any agency, authority, general partner, bureau, commission, department, office or instrumentality of any nature whatsoever of any federal, state, province, local, municipal or non-U.S. government or other political subdivision or otherwise, or any officer or official thereof with requisite authority.

**“Guaranteed Payments”** has the meaning set forth in Section 4.9.

**“Holder”** means any Unitholder or any Person that retains voting control of any Units Transferred in accordance with Section 9.1.



any payment to a Governmental Entity that is specifically attributable to a Unitholder (including income allocable to such Unitholder) or a Unitholder's status as such (including federal or state withholding taxes, state personal property taxes, state unincorporated business taxes and taxes arising under Section 1446(f) of the Code) or "imputed underpayment" (within the meaning of Code Section 6225) properly attributed to such Unitholder in accordance with this Agreement, then such Unitholder shall indemnify the Partnership in full for (and contribute to the Partnership) in full for the entire amount paid (including interest, penalties and related expenses). The General Partner may offset Distributions to which a Unitholder is otherwise entitled under this Agreement against such Unitholder's obligation to indemnify the Partnership under this Section 4.8. A Unitholder's obligation to indemnify and make contributions to the Partnership under this Section 4.8 shall survive the termination, dissolution, liquidation and winding up of the Partnership, and for purposes of this Section 4.8, the Partnership shall be treated as continuing in existence. For the avoidance of doubt, any imputed underpayment (or any similar state or local Tax amounts) or penalties and interest related thereto and payable by the Partnership or any fiscally transparent entity in which the Partnership owns an interest shall be treated as specifically attributable to the Unitholders and the General Partner shall use commercially reasonable efforts to allocate the burden of (or any diminution in distributable proceeds resulting from) any such Taxes, penalties or interest to those Unitholders to whom such amounts are specifically attributable (whether as a result of their status, actions, inactions or otherwise), as determined in accordance with Section 8.3 of this Agreement by the General Partner. Each Unitholder shall furnish to the Partnership from time to time all such information as is required by applicable law for purposes of determining the Partnership's obligations in respect of any Tax withholdings or otherwise reasonably requested by the Partnership Representative to the extent necessary for making such determinations (including, without limitation (i) certificates in the form prescribed by the Code, including Forms W-8 and W-9 and (ii) any information or documentation otherwise required by any current or future Treasury Regulation or official interpretations with respect to Code Section 1446(f)).

4.9 Guaranteed Payments. Notwithstanding anything contained herein to the contrary, the General Partner from time to time may cause the Partnership to make annual (or other periodic) payments ("**Guaranteed Payments**") to the Holders of Class A Units, in such amounts and to such Holders of Class A Units as may be determined by the General Partner. To the extent the General Partner establishes such periodic amounts, each Holder of Class A Units subject to receipt of a Guaranteed Payment may, upon notice to the General Partner, request payment of its undrawn amount from time to time during the applicable period. Such requested amounts shall be paid by the Partnership within five (5) business days of such request. In any event, all undrawn amounts with respect to a Holder of Class A Units that were not subject to a payment request shall be paid no later than the close of the period with respect to which such periodic amount applies. The General Partner, with the consent of all Holders of Class A Units, may establish such other procedures for making Guaranteed Payments and/or determining the amount thereof, whether or not consistent with the above, as the General Partner may determine. For the avoidance of doubt, Guaranteed Payments shall not be treated as Distributions under this Agreement and shall not be offset against Distributions to which a holder of Class A Units is entitled under Section 4.2 or otherwise under this Agreement.

## ARTICLE V

### MANAGEMENT

5.1 Authority of General Partner. The management and administration of the Partnership shall be vested exclusively in the General Partner. The General Partner shall have all of the rights and powers of a general partner as provided under the Partnership Act and as otherwise provided by law, and any action taken by the General Partner shall constitute the act of and serve to bind the Partnership. Without limiting the generality of the foregoing, the General Partner shall exercise all rights and powers of the Partnership (whether such rights and powers are granted to the Partnership under the terms of an agreement to which

the Partnership is a party, arise as a result of the Partnership's ownership of securities or otherwise), including to (w) make distributions and sell assets of the Partnership or enter into any agreement regarding, and approve on behalf of the Partnership and all of the Holders, a Sale of the Partnership, or any merger, consolidation or other acquisition, disposition, reorganization or recapitalization transaction involving the Partnership or any of its Subsidiaries, (x) delegate such management duties and responsibilities to such other Person or Persons designated by it as it may determine (including Affiliates of the General Partner or any of its beneficial owners, equityholders and other related Persons), (y) amend or consent to an amendment, restatement, modification or waiver of any Employment Agreement, any Equity Agreement or this Agreement and to take actions, give or withhold consents or approvals, waive or require the satisfaction of conditions or make determinations, opinions, judgments or other decisions that are granted to the Partnership or any of its Subsidiaries under any Equity Agreement or any Subsidiary's constituent documents and (z) employ, on behalf of the Partnership, such Persons (including accountants and attorneys) as it deems advisable for the conduct of the business of the Partnership, on such terms and for such compensation as the General Partner may determine. The General Partner shall have the right to determine the timing, amount and other terms of any equity investment in the Partnership and to effect amendments to this Agreement in order to effectuate such equity investments.

5.2 Purchase of Units. Subject to the provisions of this Agreement and the terms of any other agreement to which the Partnership may be bound, the General Partner may cause the Partnership to purchase or otherwise acquire Units; provided that this provision shall not in and of itself obligate any Unitholder to sell any Units to the Partnership. So long as any such Units are owned by the Partnership such Units will not be considered issued or outstanding for any purpose.

5.3 Limitation of Liability.

(a) Waiver of Liability. Except as otherwise provided herein or in any agreement entered into by such Person and the Partnership or any of its Subsidiaries and to the maximum extent permitted by the Utah Act, no present or former officer or General Partner nor any such officer or General Partner's Affiliates, employees, agents or representatives shall be liable to the Partnership or to any Partner for any act or omission performed or omitted by such Person in its capacity as an officer or General Partner; provided that, except as otherwise provided herein, such limitation of liability shall not apply to the extent the act or omission was attributable to such Person's gross negligence, willful misconduct, bad faith, fraud or knowing violation of law, in each case as determined by a final judgment, order or decree of an arbitrator or a court of competent jurisdiction (which is not appealable or with respect to which the time for appeal therefrom has expired and no appeal has been perfected). Each officer and General Partner shall be entitled to rely upon the advice of legal counsel, independent public accountants and other experts, including financial advisors, and any act of or failure to act by such officer or General Partner in good faith reliance on such advice shall in no event subject such officer or General Partner or any of such officer or General Partner's Affiliates, employees, agents or representatives to liability to the Partnership or any Partner.

(b) General Partner Discretion. Whenever in this Agreement or any other agreement contemplated herein the General Partner is permitted or required to take any action or to make a decision or determination, the General Partner shall take such action or make such decision or determination in its sole discretion, unless another standard is expressly set forth herein or therein. Whenever in this Agreement or any other agreement contemplated herein the General Partner is permitted or required to take any action or to make a decision or determination in its "sole discretion" or "discretion," with "complete discretion" or under a grant of similar authority or latitude, the General Partner shall be entitled to consider such interests and factors as the General Partner desires (including the interests of the General Partner's Affiliates as Unitholders) so long as the General Partner does not act in bad faith.

(c) Good Faith and Other Standards. Whenever in this Agreement or any other agreement contemplated herein the General Partner is permitted or required to take any action or to make a decision or determination in its “good faith” or under another express standard, the General Partner shall act under such express standard and, to the extent permitted by applicable law, shall not be subject to any other or different standards imposed by this Agreement or any other agreement contemplated herein and, notwithstanding anything contained herein to the contrary, so long as the General Partner acts in good faith, the resolution, action or terms so made, taken or provided by the General Partner shall not constitute a breach of this Agreement or any other agreement contemplated herein or impose liability upon the General Partner or any of the General Partner’s Affiliates, employees, agents or representatives. With respect to any action taken or decision or determination made by the General Partner, it shall be presumed that the General Partner acted in good faith and in compliance with this Agreement and the Utah Act and any Person bringing, pleading or prosecuting any claim with respect to any action taken or decision or determination made by the General Partner shall have the burden of overcoming such presumption; provided that, for the avoidance of doubt, this sentence shall not be deemed to increase or place any duty of care or loyalty on the General Partner.

(d) Limitation of Duties; Conflict of Interest. To the maximum extent permitted by applicable law, the Partnership and each Partner and Unitholder hereby waives any claim or cause of action against the General Partner and each Partner (other than claims or causes of action against any Executive Partner or Executive in his or her capacity as an officer, board member, employee or service provider of the Partnership or any of its Subsidiaries) and their respective Affiliates, employees, agents and representatives for any breach of any fiduciary duty to the Partnership or its Partners or Unitholders or any of the Partnership’s Subsidiaries by any such Person, including as may result from any conflict of interest, including a conflict of interest between the Partnership or its Partners or Unitholders or any of the Partnership’s Subsidiaries and such Person or otherwise, any breach of loyalty or any breach of the duty of care; provided that, with respect to actions or omissions by the General Partner, such waiver shall not apply to the extent the act or omission was attributable to the General Partner’s gross negligence, willful misconduct, bad faith, fraud or knowing violation of law, in each case as determined by a final judgment, order or decree of an arbitrator or a court of competent jurisdiction (which is not appealable or with respect to which the time for appeal therefrom has expired and no appeal has been perfected). Each Partner and Unitholder acknowledges and agrees that in the event of any such conflict of interest, each such Person (in the absence of bad faith) may act in the best interests of such Person or its Affiliates, employees, agents and representatives. No Partner (other than any Executive Partner or Executive in his or her capacity as an officer, board member, employee or service provider of the Partnership or any of its Subsidiaries) shall be obligated to give any consideration to any interest of or factors affecting the Partnership or any of its Subsidiaries or the Partnership’s Partners or Unitholders, or to recommend or take any action in its capacity as a Partner that prefers the interests of the Partnership or any of its Subsidiaries or the Partnership’s Partners or Unitholders over the interests of such Person or its Affiliates, employees, agents or representatives, and each of the Partnership and each Partner and Unitholder hereby waives the fiduciary duty, if any, of such Person to the Partnership or its Partners or Unitholders, including in the event of any such conflict of interest or otherwise; provided that, with respect to actions or omissions by the General Partner, such waiver shall not apply to the extent the act or omission was attributable to the General Partner’s gross negligence, willful misconduct, bad faith, fraud or knowing violation of law, in each case as determined by a final judgment, order or decree of an arbitrator or a court of competent jurisdiction (which is not appealable or with respect to which the time for appeal therefrom has expired and no appeal has been perfected). The provisions of this Agreement, to the extent that they restrict the duties (including fiduciary duties) and liabilities of an Indemnified Person otherwise existing at law or in equity, are agreed by the Partnership, each Partner and each Unitholder to replace such other duties and liabilities of such Indemnified Person. Except as expressly set forth herein or in another agreement between such Indemnified Person and the Partnership or any of its Subsidiaries, to the fullest extent permitted by applicable law no Indemnified Person will have any fiduciary

duties to the Partnership, any Partner or any Unitholder and will otherwise not have any obligations other than such obligations as specifically provided by this Agreement or any such other agreement.

(e) Designation and Duties of Officers. The General Partner may from time to time designate individuals as officers of the Partnership and any such officers shall have such authority and perform such duties as the General Partner may from time to time delegate to them and shall serve at the will of the General Partner. The officers of the Partnership and its Subsidiaries, in the performance of their duties as such, shall owe to the Partnership and its Subsidiaries fiduciary duties (including of loyalty and due care) of the type owed by the officers of a corporation to such corporation and its stockholders under the laws of the State of Utah.

(f) Effect on Other Agreements. This Section 5.3 shall not in any way affect, limit or modify any Person's duties, liabilities or obligations under any Equity Agreement, Employment Agreement, confidentiality agreement, noncompetition agreement, non-solicitation agreement or any similar agreement with the Partnership or any of its Subsidiaries.

## ARTICLE VI


### RIGHTS AND OBLIGATIONS OF UNITHOLDERS AND PARTNERS

6.1 Limitation of Liability; Return of Distributions. Except as otherwise provided by the Utah Act, the debts, obligations and liabilities of the Partnership, whether arising in contract, tort or otherwise, shall be solely the debts, obligations and liabilities of the Partnership and no Unitholder or Partner shall be obligated personally for any such debt, obligation or liability of the Partnership solely by reason of being a Unitholder or acting as a Partner of the Partnership, other than such Unitholder's obligation to make Capital Contributions to the Partnership pursuant to the terms and conditions hereof or of any Equity Agreement or any other agreement respecting the issuance and sale or grant of Equity Securities. Except as expressly set forth in this Agreement or as otherwise required by law, no Unitholder shall be obligated by this Agreement to return any Distribution or Tax Distribution to the Partnership or pay the amount of any Distribution or Tax Distribution for the account of the Partnership or to any creditor of the Partnership; provided that a Unitholder shall be required to return to the Partnership any Distribution or Tax Distribution made to it in clear and manifest accounting or similar error (which the General Partner may elect to effectuate through reductions in subsequent Distributions or Tax Distributions to such other Unitholders). Notwithstanding the foregoing sentence, if any court of competent jurisdiction holds that, notwithstanding this Agreement, any Unitholder is obligated to return or pay any part of any Distribution or Tax Distribution, then such obligation shall bind such Unitholder alone and not any other Unitholder or any Partner; provided that if any Unitholder is required to return all or any portion of any Distribution or Tax Distribution under circumstances that are not unique to such Unitholder but that would have been applicable to other Unitholders if such Unitholders had been named in the action against the Unitholder in question (such as where a Distribution or Tax Distribution was made to all Unitholders and rendered the Partnership insolvent, but only one Unitholder was sued for the return of such Distribution or Tax Distribution), then the Unitholder that was required to return or repay the Distribution or Tax Distribution (or any portion thereof) shall be entitled to reimbursement from the other Unitholders that were not required to return the Distribution or Tax Distribution made to them based on each such Unitholder's share of the Distribution or Tax Distribution in question (which the General Partner may elect to effectuate through reductions in subsequent Distributions or Tax Distributions to such other Unitholders). The provisions of the immediately preceding sentence are solely for the benefit of the Unitholders and shall not be construed as benefiting any third party. The amount of any Distribution or Tax Distribution returned to the Partnership by a Unitholder or paid by a Unitholder for the account of the Partnership or to a creditor of the Partnership shall be added to the account or accounts from which it was subtracted when it was distributed to such Unitholder. The preceding sentences of this Section 6.1 shall constitute a compromise to which all

**IN WITNESS WHEREOF**, the undersigned have duly executed or caused to be duly executed on their behalf this Amended and Restated Limited Partnership Agreement as of the date first written above.

**GENERAL PARTNER:**

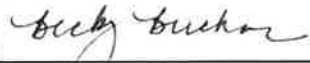
**AC MANAGEMENT GP, LLC**

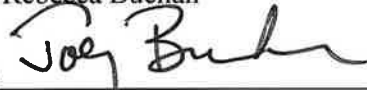
By:  \_\_\_\_\_  
Name: Thomas Hogan  
Title: Manager

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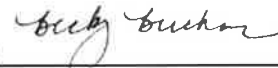
**LIMITED PARTNERS:**

REBECCA BUCHAN AND JOEY BUCHAN,  
JOINT TENANTS, as joint tenants with right of  
survivorship

By:   
Rebecca Buchan

By:   
Joey Buchan

DENTON HOUSE HOLDCO, INC.

By:   
Name: Rebecca Buchan  
Its: President

THOMAS HOGAN

By:   
Thomas Hogan

**OPERATING AGREEMENT  
FOR  
ARETÉ THOMAS RANCH HOLDINGS, LLC**

This Limited Liability Company Operating Agreement (this "**Agreement**") is made as of the 1<sup>st</sup> day of December 2021, by Areté Thomas Ranch Holdings, LLC, a Utah limited liability company (the "**Company**"), and Areté Collective, LP, a Utah limited partnership ("**Working Member**"), and Thomas Ranch Wasatch, LLC, a Utah limited liability company ("**Capital Member**"), (each a "**Member**," and collectively, the "**Members**"), with reference to the following facts.

A. The Members desire to form a company for the express purchase of acquiring ownership of certain real property referred to as "The Thomas Ranch" and more particularly described on Exhibit A hereto (the "**Property**") and developing such property for eventual commercialization.

B. The Members have formed a Utah limited liability company in accordance with Title 48, Chapter 3a, of the Utah Code, sometimes known as the Utah Revised Uniform Limited Liability Company Act (the "**Act**"), for the purposes and on the terms, covenants and conditions set forth herein.

C. The Members have caused to be executed a Certificate of Organization for the Company under the Act and have forthwith delivered and caused the same to be filed with the Division of Corporations and Commercial Code of the Department of Commerce, State of Utah.

D. The Members have each reviewed this Agreement, in its entirety, and desire to cause the same to be adopted as and for the Operating Agreement of the Company, in accordance with the Act.

NOW, THEREFORE, the Members by this Agreement set forth the limited liability company operating agreement for the Company upon the terms and subject to the condition of this Agreement.

**ARTICLE I. ORGANIZATIONAL MATTERS.**

**1.1. Name.** The name of the Company shall be "Areté Thomas Ranch Holdings, LLC." The Company may conduct business under that name or any other name approved by the Board.

**1.2. Term.** The term of the Company shall commence on the date of the filing of the Certificate of Organization with the Division of Corporations and Commercial Code of the Department of Commerce, State of Utah and shall continue until the Company is dissolved in accordance with this Agreement or by law.

**1.3. Office and Agent.** The Company shall continuously maintain an office and registered agent in the State of Utah as required by the Act. The principal office of the Company shall be at 4670 South Holladay Village Plaza, Suite 200, Salt Lake City, UT 84117, or such location as the Members may determine. The registered agent shall be as stated in the Certificate of Formation or as otherwise determined by the Board.

**1.4. Business of the Company.** The Company shall engage solely in the business of, directly or indirectly, through one or more entities: (a) purchasing, owning, financing, refinancing, rehabilitating, developing, operating, leasing, managing, holding for investment, exchanging, selling, and disposing of certain real property known as the "Thomas Ranch" located in Austin, TX and more particularly described on Exhibit A hereto (the

- i. File any voluntary petition for the Company under the United States Code, the Bankruptcy Act, or seek the protection of any other Federal or State bankruptcy or insolvency law or debtor relief statute.
- j. Guaranty the payment of any money, or debt of another person, or guaranty the performance of any other obligation of another person.
- k. Grant any general power of attorney or other unlimited authority to act on behalf or in the name of the Company.
- l. Make any other decision or take any other action which by any provision of this Agreement is required to be approved by the Board.
- m. Do any act in contravention of this Agreement.

#### 4.4. Working Member

- a. **Working Member Responsibilities.**
  - 1. The Working Member shall have exclusive responsibility and authority for the day-to-day management and operation of the business and affairs of the Company in accordance with the Approved Budget and the direction of the Board. The Working Member accepts and agrees to perform its duties and undertake its responsibilities set forth in this Agreement.
  - 2. Additionally, the Working Member shall have development management responsibilities and shall serve as the “**Development Manager**” for the Property and shall provide the Development Management Services set forth on Exhibit C hereto. The Working Member shall prepare the Annual Budget and submit it to the Board for approval. The Working Member shall work to develop the Property within the Approved Budget.
- b. **Limitation on Authority of Working Member for Major Decisions.** Notwithstanding any provision of this Agreement to the contrary, the Working Member shall not, in the exercise of its general control and decision-making authority take or cause the Company to take any Major Decision set forth in Section 4.3, without in each instance first obtaining approval of the Board.
- c. **Employees.** All persons engaged by the Working Member in connection with its services hereunder shall be either Working Member's employees or its agents or independent contractors and, in any event, shall not be employees of the Company. The Working Member shall be solely responsible for the salaries of its employees and any employee benefits to which such employees may claim to be entitled.
- d. **Removal of Working Member.**
  - 1. Notwithstanding anything in this Agreement to the contrary, if a Removal Event has occurred in the good faith determination of the Capital Member, the Capital Member shall have the unilateral right, by written notice to the Working Member given at any time after obtaining actual awareness of the occurrence of the Removal Event (such notice, the “**Removal Notice**”), to remove the Working Member from managing the Company and to designate a new manager of the Company or become the replacement working member of the Company. The Removal Notice shall specify with particularity the basis for removal and



shall become effective the later of: (i) ten (10) days after the date of the Removal Notice; or (ii) the date set forth in the Removal Notice (the "**Removal Date**").

2. Working Member's Rights Upon Removal. If the Working Member is removed, as of the Removal Date:
  - (i) The powers and authorities granted to the Working Member hereunder shall terminate and be of no force or effect; and
  - (ii) The Capital Member shall have the power and authority to propose and unilaterally approve all actions which would otherwise constitute Major Decisions without the necessity for obtaining any consent or approval of the Working Member or the Board.
3. "**Removal Event**" shall mean any of the following:
  - (i) The Working Member commits an act involving fraud, willful misconduct, or gross negligence in connection with any of its obligations hereunder or breaches Section 4.3 and fails to cure such breach within ten (10) days written notice of such breach.
  - (ii) The misappropriation of funds or property of the Company by the Working Member or any Affiliate of the Working Member; provided that if the Working Member: (i) makes full restitution to the Company within fourteen (14) days of becoming aware of such event; and (ii) takes appropriate action to ensure that the individual who committed such act is: (A) no longer employed by the Working Member or the Affiliate; and (B) no longer otherwise acting on behalf of the Working Member or such Affiliate with respect to the Property, the Company, or the Working Member, then such event shall not constitute a Removal Event.
  - (iii) The filing of a petition for bankruptcy by the Working Member or a Dissolution Event of the Working Member occurs.
  - (iv) The Working Member makes a general assignment for the benefit of creditors.

**4.5. Capital Member Responsibilities.** The Capital Member shall be responsible for raising capital through the issuance of preferred equity securities in the Company and/or through debt financing for the purpose of providing working capital to the Company, acquiring ownership to the Property and for commercializing, developing, marketing and selling the Property as set forth in Exhibit D, Capital Member Services.

**4.6. Payment of Fees for Services Provided.** In return for the services provided by Working Member and Capital Member set forth above in Section 4.4 and Section 4.5, they shall be compensated as follows:

- a. **Development Management Services.** In consideration of the provision of the Development Management Services, the Company shall pay a development management fee equal to five percent (5%) of the Development Costs for Horizontal and Vertical Improvements for the Property (the "**Development Management Fee**"). One percentage point (1% point) of the Development Management Fee shall be paid directly to the Working Member at the end of each calendar month. The remaining four percentage points (4% points) of the Development Management Fee shall be

INTENDING TO BE BOUND, all of the Members of Areté Thomas Ranch Holdings, LLC, have executed this Agreement, effective as of the date written above.

MEMBERS:

**ARETÉ COLLECTIVE, LP**

By:  THOMAS HOLMAN  
Its: Rebecca Buchanan  
Chief Executive Officer  
FINANCIAL

**THOMAS RANCH WASATCH, LLC**

By: Dell Loy Hansen  
Its: Manager

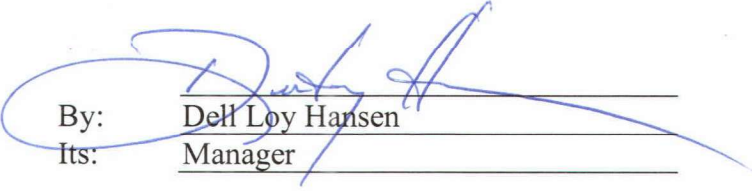
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MEMBERS:

**ARETÉ COLLECTIVE, LP**

By: Rebecca Buchan  
Its: Chief Executive Officer

**THOMAS RANCH WASATCH, LLC**

  
By: Dell Loy Hansen  
Its: Manager



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

## Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

### ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

*The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.*

Arete Thomas Ranch, LLC (CN606373215) proposes to operate Thomas Ranch WWTP (RN112190822), a wastewater treatment plant and surface spray irrigation system to dispose of treated effluent. The facility will be located at approximately 1.2 miles northwest of the intersection of State Hwy 71 and Paleface Ranch Rd., in Spicewood, Travis County, Texas 78669. This is a TLAP application to authorize the disposal of treated wastewater at a volume not to exceed 510,000 gallons per day via a surface spray irrigation system on approximately 191 acres. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N), total phosphorus, and *Escherichia coli*. Domestic wastewater will be treated by a headworks screen, an aeration basin, a clarifier, an aerobic digester, a chlorine contact chamber, a disk filter, and then disposed of through a surface spray irrigation system.

## PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

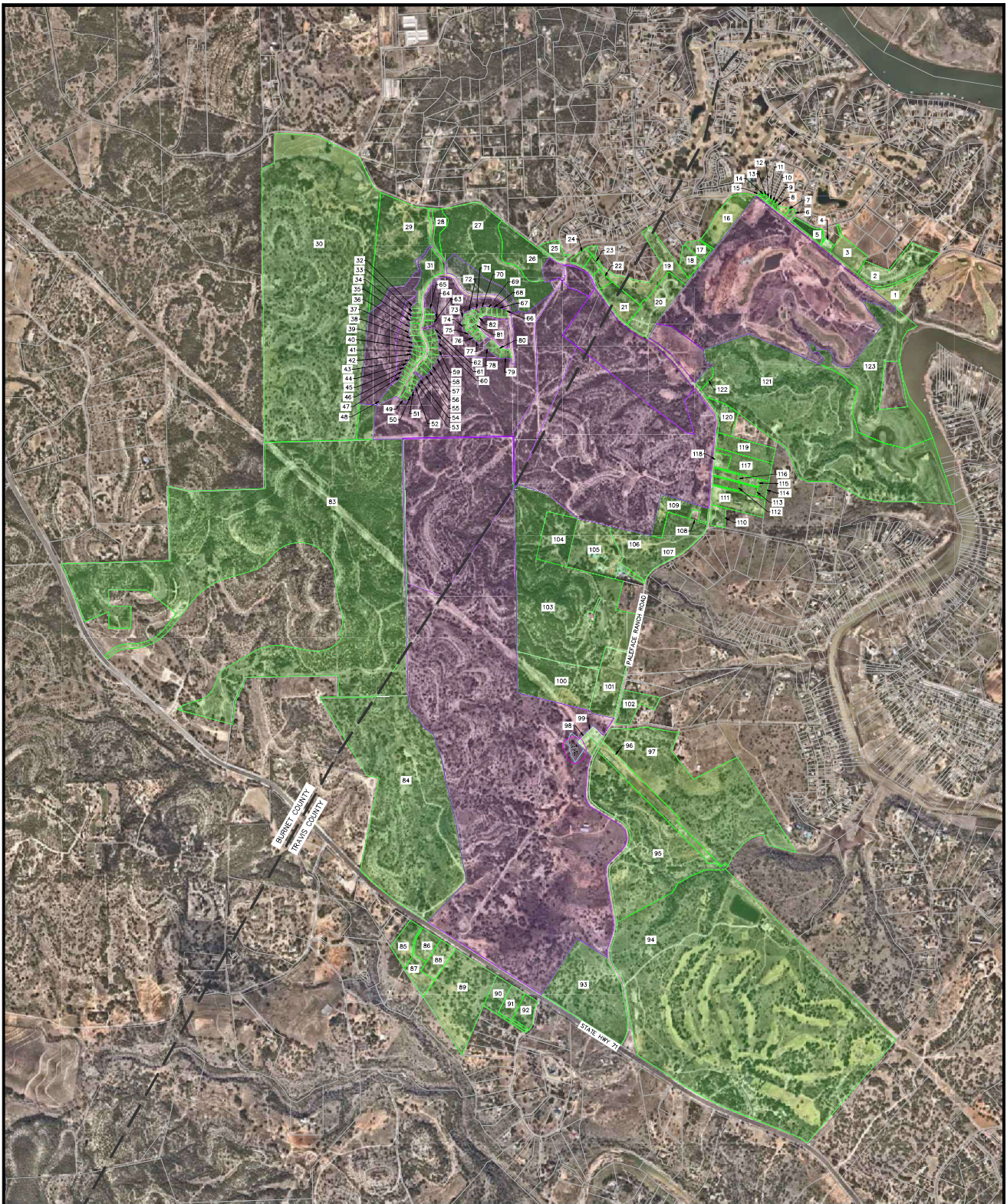
### AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

*El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.*

Arete Thomas Ranch, LLC (CN606373215) propone operar Thomas Ranch WWTP (RN112190822), una planta de tratamiento de aguas residuales y sistema de riego por aspersión superficial para disposición del efluente tratado. La instalación estará ubicada en aproximadamente 1,2 millas al noroeste de la intersección de State Hwy 71 y Paleface Ranch Rd , en estará, Condado de Travis, Texas 78669. Esta es una solicitud TLAP para autorizar la eliminación de aguas residuales tratadas en un volumen que no exceda los 510,000 galones por día a través de un sistema de riego por aspersión de superficie en aproximadamente 191 acres. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso, sólidos suspendidos totales, nitrógeno amoniacal, fósforo total y *Escherichia coli*. Aguas residuales domésticas . están tratado por una criba de cabecera, un estanque de aireación, un clarificador, un digestor aeróbico, una cámara de contacto de cloro, un filtro de discos, para luego ser eliminado a través de un sistema de riego por aspersión superficial.





GRAPHIC SCALE IN FEET  
0 500 1000 2500

LEGEND

- EXISTING PARCEL
- TREATMENT FACILITY PROPERTY BOUNDARY
- 150' BUFFER ZONE
- EFFLUENT DISPOSAL SITE PROPERTY BOUNDARIES
- AFFECTED LANDOWNERS' PROPERTY BOUNDARIES
- XX LANDOWNER ID  
SEE ATTACHED LANDOWNER LIST

DATE:	MARCH 2025
DESIGN:	IMC
DRAWN:	BJ
CHECKED:	IMC
KHA NO.:	069406207

AFFECTED  
LANDOWNERS MAP

THOMAS RANCH  
WWTP TLAP

THIS DOCUMENT IS INCOMPLETE  
AND IS RELEASED TEMPORARILY  
FOR INTERIM REVIEW ONLY. IT IS  
NOT INTENDED FOR CONSTRUCTION,  
BIDDING, OR PERMIT PURPOSES.

IAN CLEMENTS  
SERIAL NO. 126771  
DATE: SEPTEMBER 2024

Kimley»Horn			
Firm No. F-928 2501 Southwest Pkwy, Bldg 3, Suite 100, Austin TX, 78735 P:512-644-2237			
No.	Revision	By	Date



LORALOMA BORROWER 1 LLC (2012201)  
4670 HOLLIDAY VILLAGE PLZ STE 200  
SALT LAKE CITY UT 84117-5291

SW RV PARK LLC (1950604)  
413 W 14TH ST STE 208  
NEW YORK NY 10014-1023

STROH JOHANN (1679278)  
2712 SCARLET OAKS DR  
PEARLAND TX 77581-1430

BARTON CREEK RESORT LLC (1371382)  
4001 MAPLE AVE STE 500  
DALLAS TX 75219-3241

AQUA TEXAS INC (539574)  
1106 CLAYTON LN STE 400W  
AUSTIN TX 78723-2476

RASHID SOFIA (1752848)  
1001 MARLY WAY  
AUSTIN TX 78733-3274

CULLEY ROBERT DOUGLAS (316347)  
10811 SANS SOUCI PL  
AUSTIN TX 78759-5151

LAKE TRAVIS ENCLAVE LLC (1714202)  
PO BOX 4263  
HORSESHOE BAY TX 78657-4263

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PO BOX 4263  
HORSESHOE BAY TX 78657-4263

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PO BOX 4263  
HORSESHOE BAY TX 78657-4263

BARTON CREEK RESORT LLC (1371382)  
4001 MAPLE AVE STE 500  
DALLAS TX 75219-3241

MOTHERAL PAUL H (316416)  
1116 SADDLEBROOK CANYON CT  
SPICEWOOD TX 78669-1507

KANDY LYDIA SUSAN & (1888991)  
3005 MISTY HEIGHTS CV  
PFLUGERVILLE TX 78660-3591

CHILDRESS GARY (1445158)  
1715 CLUBHOUSE HILL DR  
SPICEWOOD TX 78669-1361

FIRST NATIONAL BANK (1529699)  
2305 MANGUM RD  
HOUSTON TX 77092-8117

TOM LESLIE LARRY LLC (1729670)  
2110 EAGLE CT  
SAN ANGELO TX 76904-8064

TOM LESLIE LARRY LLC (1729670)  
2110 EAGLE CT  
SAN ANGELO TX 76904-8064

CAYMUS HOMES LLC  
C/O JAY ELKINS  
8904 TIOMBE BEND  
AUSTIN, TX 78749

OVERLOOK MARKET LLC  
4206 WATERS EDGE COVE  
AUSTIN, TX 78731

PATEL PRAKSHA & RUPAL PARMAR  
2104 BRIGHTON PARK DR  
BAKERSFIELD, CA 93311

ARETE THOMAS RANCH HOLDINGS LLC  
ATTN REBECCA BUCHAN  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
HOLLIDAY, UT 84117

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4670 S HOLLADAY VILLAGE PLAZA STE 200  
HOLLIDAY, UT 84117

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HOLLIDAY, UT 84117

ARETE THOMAS RANCH HOLDINGS LLC  
ATTN REBECCA BUCHAN  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
HOLLIDAY, UT 84117

JAYCO HOLDINGS II LTD  
602 FALL RIVER RD  
HOUSTON, TX 77024

ARETE THOMAS RANCH HOLDINGS LLC  
ATTN REBECCA BUCHAN  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
HOLLIDAY, UT 84117

ONX-CANYON WEST LLC  
% ONX INC  
3200 EARHART DR  
CARROLTON, TX 75006

REMINGTON PREMIER LLC (2016358)  
595 S RIVERWOODS PKWY STE 400  
LOGAN UT 84321

LUNECKI DANIEL K & AUDREY L (113426)  
15401 ROCK CREEK  
AUSTIN TX 78734-1528

GLASS DELTON (1763855)  
401 CAROL ANN DR  
AUSTIN TX 78737

SCAMARDO BRIAN A (1456367)  
PSC 489 BOX 589  
APO AE 09751-0006

SCAMARDO LUKE P & BRIAN A (1346543)  
13323 TROTting PATH  
HELOTES TX 78023-4590

MORRISON GARY E INVESTMENTS LTD  
(1263601)  
336 S CONGRESS AVE STE 100  
AUSTIN TX 78704-1265

AUSTIN GOLF CLUB (532807)  
24900 STATE HIGHWAY 71 W  
SPICEWOOD TX 78669-2656

BEILHARZ DAVID & AMY (402615)  
1890 JOY RIDGE RD  
OCCIDENTAL CA 95465-9215

BEILHARZ DAVID C (1717823)  
1223 PALEFACE RANCH RD  
SPICEWOOD TX 78669-1392

ETHEREDGE PHILIP LANGDON & (197913)  
1401 W 39TH 1/2 ST  
AUSTIN TX 78756-3907

LCRA TRANSMISSION SERVICES (299659)  
3700 LAKE AUSTIN BLVD  
AUSTIN TX 78703-3504

PEDERNALES ELECTRIC (127038)  
PO BOX 1  
JOHNSON CITY TX 78636-0001

RAMSEY FOSTER & DOVIE IRREVOCABLE  
TRUST THE (1561171)  
PO BOX 309  
SPICEWOOD TX 78669-0309

RAMSEY FOSTER & DOVIE IRREVOCABLE  
TRUST THE (1561171)  
PO BOX 309  
SPICEWOOD TX 78669-0309

THOMPSON DAVID R & JEANNE A (315640)  
26106 RED BRANGUS RD  
SPICEWOOD TX 78669-6679

RAMSEY FOSTER & DOVIE IRREVOCABLE  
TRUST THE (1561171)  
PO BOX 309  
SPICEWOOD TX 78669-0309

RAMSEY FOSTER & DOVIE IRREVOCABLE  
TRUST THE(1561171)  
PO BOX 309  
SPICEWOOD TX 78669-0309

ATRH EQUESTRIAN LLC (1971167)  
4670 HOLLIDAY VILLAGE PLZ STE 200  
HOLLADAY UT 84117-5291

ARETE THOMAS RANCH HOLDINGS LLC  
(1989259)  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
SALT LAKE CITY UT 84117-5291

WPP THOMAS RANCH LLC ETAL (1984159)  
595 S 80 E STE 400  
LOGAN UT 84321

HILL GENEVA & STEVE (316195)  
102 N PALEFACE RANCH RD  
SPICEWOOD TX 78669-1339

ARETE THOMAS RANCH HOLDINGS LLC  
(1989259)  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
SALT LAKE CITY UT 84117-5291

NAUMANN GLORIA & SHANNON KERLEY  
(1616251)  
109 N PALEFACE RANCH RD  
SPICEWOOD TX 78669-1339

BURGOS-VENCES JORGE & (1722328)  
1909 CRAZY HORSE PASS  
AUSTIN TX 78734-3114

DRMTX INVESTMENTS LLC (1894147)  
9060 LONG POINT ROAD  
HOUSTON TX 77055-4610

DRMTX INVESTMENTS LLC (1931559)  
7635 TIBURON TRL  
SUGAR LAND TX 77479-6158

ZLEEP LLC (1914617)  
237 PALEFACE RANCH RD S  
SPICEWOOD TX 78669-1786

O'MEARA-ARROYO TRUST (1985430)  
237 S PALEFACE RANCH RD  
SPICEWOOD TX 78669-1786



BONIECKI GARY TRUST (1994422) 233 N PALEFACE RANCH RD SPICEWOOD TX 78669	CASTLETOP RANCH (316199) 25800 COX CROSSING RD SPICEWOOD TX 78669-1480	PEDERNALES EMERGENCY SERVICES (507152) 801 BEE CREEK RD SPICEWOOD TX 78669-2186
CASTLETOP RANCH (316199) 25800 COX CROSSING RD SPICEWOOD TX 78669-1480	TEAGUE EMITT ERNEST (VLB) (316206) 26317 COX CROSSING RD SPICEWOOD TX 78669-1338	CASTLETOP RANCH LTD (316200) 3600 N CAPITAL OF TEXAS HWY 320B AUSTIN TX 78746-3314
LORALOMA BORROWER 1 LLC (2012201) 4670 HOLLIDAY VILLAGE PLZ STE 200 SALT LAKE CITY UT 84117-5291	LORALOMA BORROWER 1 LLC (2012201) 4670 HOLLIDAY VILLAGE PLZ STE 200 SALT LAKE CITY UT 84117-5291	



RECEIVED

APR 08 2025

WATER QUALITY DIVISION  
TCEQ

April 7, 2025

Texas Commission on Environmental Quality  
Applications Review and Processing Team (MC 148)  
Building F, Room 2101  
12100 Park 35 Circle  
Austin, Texas 78753

**RE: Texas Land Application Permit (TLAP) Application for the  
Thomas Ranch Wastewater Treatment Plant**

Dear Water Quality Team:

This letter serves to transmit the TLAP application for the Thomas Ranch Wastewater Treatment Plant.

The permit application follows this letter within the following attachments:

<b>10053 – Administrative Report 1.0</b>	
Attachment 1.	Copy of Permit Fee
Attachment 2.	10400 – TCEQ Core Data Form
Attachment 3.	20972 – Summary of Application in Plain Language
Attachment 4.	20960 – Public Involvement Plan Form
Attachment 5.	Original USGS Topographic Map
Attachment 6.	Affected Landowners Map and Landowner List
Attachment 7.	Original Photographs and Plot Plan
Attachment 8.	Buffer Zone Map
<b>10054 – Technical Report 1.0</b>	
Attachment 9.	Process Flow Diagram
Attachment 10.	Site Drawing and WWTP Site Plan
<b>10054 – Technical Report 1.1</b>	
Attachment 11.	Design Calculations and Plant Features
Attachment 12.	Wind Rose
Attachment 13.	Solids Management Plan
<b>10054 – Domestic Worksheet 3.0</b>	
Attachment 14.	Pond Liner Certification
Attachment 15.	Annual Cropping Plan
Attachment 16.	Well Reports
Attachment 17.	Groundwater Quality Technical Report
Attachment 18.	Soil Map
Attachment 19.	Soil Analysis
<b>10054 – Domestic Worksheet 3.1</b>	
Attachment 20.	Water Balance
Attachment 21.	Recharge Feature Plan
Attachment 22.	Soil Evaluation
Attachment 23.	Site Preparation Plan
Attachment 24.	Soil Sampling/Testing
Attachment 25.	FEMA Flood Plain Map



April 7, 2025

Texas Commission on Environmental Quality  
Applications Review and Processing Team (MC 148)  
Building F, Room 2101  
12100 Park 35 Circle  
Austin, Texas 78753

**RE: *Texas Land Application Permit (TLAP) Application for the  
Thomas Ranch Wastewater Treatment Plant***

Dear Water Quality Team:

This letter serves to transmit the TLAP application for the Thomas Ranch Wastewater Treatment Plant.

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Attachment 23.	Site Preparation Plan
Attachment 24.	Soil Sampling/Testing
Attachment 25.	FEMA Flood Plain Map

If you have any questions regarding this project, please contact me at 512-518-5596.

Sincerely,



*Behnaz Jalili*

Behnaz Jalili, PhD, P.E. (Texas License No. 152044)  
KIMLEY-HORN AND ASSOCIATES, INC.  
Texas Firm No. 928



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Arete Thomas Ranch Holdings, LLC

PERMIT NUMBER (If new, leave blank): WQ00 [Click to enter text.](#)

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original Photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Design Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water Balance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

### For TCEQ Use Only

Segment Number \_\_\_\_\_ County \_\_\_\_\_  
Expiration Date \_\_\_\_\_ Region \_\_\_\_\_  
Permit Number \_\_\_\_\_



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

### Section 1. Application Fees (Instructions Page 26)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input checked="" type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number:

Check/Money Order Amount:

Name Printed on Check:

EPAY Voucher Number: 761261

Copy of Payment Voucher enclosed? Yes ☒

### Section 2. Type of Application (Instructions Page 26)

a. Check the box next to the appropriate authorization type.

- ☐ Publicly-Owned Domestic Wastewater
- ☒ Privately-Owned Domestic Wastewater
- ☐ Conventional Wastewater Treatment

b. Check the box next to the appropriate facility status.

- ☐ Active
- ☒ Inactive

c. Check the box next to the appropriate permit type.

- ☐ TPDES Permit  
☒ TLAP  
☐ TPDES Permit with TLAP component  
☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- ☒ New  
☐ Major Amendment with Renewal  
☐ Major Amendment without Renewal  
☐ Renewal without changes  
☐ Minor Amendment with Renewal  
☐ Minor Amendment without Renewal  
☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 [Click to enter text.](#)

EPA I.D. (TPDES only): TX [Click to enter text.](#)

Expiration Date: [Click to enter text.](#)

### Section 3. Facility Owner (Applicant) and Co-Applciant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

Arete Thomas Ranch Holdings, LLC

*(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)*

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN:

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr.

Last Name, First Name: Hogan, Thomas

Title: Manager

Credential: [Click to enter text.](#)

B. Co-applicant information. Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

N/A

*(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)*

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?  
You may search for your CN on the TCEQ website at: <http://www15.tceq.texas.gov/crpub/>

CN: Click to enter text.

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Click to enter text.

#### C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of Administrative Report 1.0. Attachment 2

### Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix: Mr.

Last Name, First Name: Hogan, Thomas

Title: Manager

Credential: Click to enter text.

Organization Name: Arete Thomas Ranch Holdings, LLC

Mailing Address: C/O Allen Boone Humphries Robinson LLP, 919 Congress AVE, STE 1500

City, State, Zip Code: Austin, TX 78701-2156

Phone No.: 737-241-9266

E-mail Address: ian.clements@kimley-horn.com

Check one or both:



Administrative Contact



Technical Contact

B. Prefix: Ms.

Last Name, First Name: Jalili, Behnaz

Title: Project Engineer

Credential: PhD, P.E.

Organization Name: Kimley-Horn and Associates, Inc.

Mailing Address: 5301 Southwest Parkway, Building 2, Suite 100  
TX 78735

City, State, Zip Code: Austin,

Phone No.: 512-518-5596

E-mail Address: Behnaz.jalili@kimley-horn.com

Check one or both:



Administrative Contact



Technical Contact

### Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

A. Prefix: Mr.

Last Name, First Name: Hogan, Thomas

Title: Manager

Credential: Click to enter text.

Organization Name: Arete Thomas Ranch Holdings, LLC



Mailing Address: C/O Allen Boone Humphries Robinson LLP, 919 Congress AVE, STE 1500  
City, State, Zip Code: Austin, TX 78701-2156

Phone No.: 737-241-9266

E-mail Address: ian.clements@kimley-horn.com

B. Prefix: Ms.

Last Name, First Name: Jalili, Behnaz

Title: Project Engineer

Credential: PhD, P.E.

Organization Name: Kimley-Horn and Associates, Inc.

Mailing Address: 5301 Southwest Parkway, Building 2, Suite 100 City, State, Zip Code: Austin, TX 78735

Phone No.: 512-518-5596

E-mail Address: Behnaz.jalili@kimley-horn.com

## Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits *in effect on September 1 of each year*. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix: Mr.

Last Name, First Name: Hogan, Thomas

Title: Manager

Credential: Click to enter text.

Organization Name: Arete Thomas Ranch Holdings, LLC

Mailing Address: C/O Allen Boone Humphries Robinson LLP, 919 Congress AVE, STE 1500  
City, State, Zip Code: Austin, TX 78701-2156

Phone No.: 737-241-9266

E-mail Address: ian.clements@kimley-horn.com

## Section 7. DMR/MER Contact Information (Instructions Page 27)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (DMR) (EPA 3320-1) or maintain Monthly Effluent Reports (MER).

Prefix: Mr.

Last Name, First Name: Hogan, Thomas

Title: Manager

Credential: Click to enter text.

Organization Name: Arete Thomas Ranch Holdings, LLC

Mailing Address: C/O Allen Boone Humphries Robinson LLP, 919 Congress AVE, STE 1500  
City, State, Zip Code: Austin, TX 78701-2156

Phone No.: 737-241-9266

E-mail Address: ian.clements@kimley-horn.com

## Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms.

Last Name, First Name: Jalili, Behnaz

Title: Project Engineer

Credential: PhD, P.E.

Organization Name: Kimley-Horn and Associates, Inc.

Mailing Address: 5301 Southwest Parkway, Building 2, Suite 100 City, State, Zip Code: Austin, TX 78735

Phone No.: 512-518-5596

E-mail Address: Behnaz.jalili@kimley-horn.com

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☒ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Ms.

Last Name, First Name: Jalili, Behnaz

Title: Project Engineer

Credential: PhD, P.E.

Organization Name: Kimley-Horn and Associates, Inc.

Mailing Address: 5301 Southwest Parkway, Building 2, Suite 100 City, State, Zip Code: Austin, TX 78735

Phone No.: 512-518-5596

E-mail Address: Behnaz.jalili@kimley-horn.com

D. Public Viewing Information

*If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.*

Public building name: Spicewood Community Library

Location within the building: Front Desk

Physical Address of Building: 1011 Spur 191

City: Spicewood

County: Burnet

Contact (Last Name, First Name): James, Rita

Phone No.: 830-693-7892 Ext.: Click to enter text.

Public building name: Laura Bush Community Library

Location within the building: Front Desk

Physical Address of Building: 9411 Bee Caves Rd

City: Austin

County: Travis

Contact (Last Name, First Name): Click to enter text.

Phone No.: 512-327-3045 Ext.: Click to enter text.

E. Bilingual Notice Requirements

This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and

obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

☐ Yes ☒ No

If no, publication of an alternative language notice is not required; skip to Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

☐ Yes ☒ No

3. Do the students at these schools attend a bilingual education program at another location?

☐ Yes ☒ No

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

☐ Yes ☒ No

5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? N/A

F. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

Attachment: Attachment 3

G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a new permit or major amendment to a permit and include as an attachment.

Attachment: Attachment 4

## Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

- A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN Click to enter text.

Search the TCEQ's Central Registry at <http://www15.tceq.texas.gov/crpub/> to determine if the site is currently regulated by TCEQ.

- B. Name of project or site (the name known by the community where located):

Thomas Ranch Wastewater Treatment Plant

- C. Owner of treatment facility: Arete Thomas Ranch Holdings, LLC

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

- D. Owner of land where treatment facility is or will be:

Prefix: Mr.

Last Name, First Name: Hogan, Thomas

Title: Manager

Credential: Click to enter text.

Organization Name: Arete Thomas Ranch Holdings, LLC

Mailing Address: C/O Allen Boone Humphries Robinson LLP, 919 Congress AVE, STE 1500  
City, State, Zip Code: Austin, TX 78701-2156

Phone No.: 737-241-9266

E-mail Address: ian.clements@kimley-horn.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Click to enter text.

E. Owner of effluent disposal site:

Prefix: Mr.

Last Name, First Name: Hogan, Thomas

Title: Manager

Credential: Click to enter text.

Organization Name: Arete Thomas Ranch Holdings, LLC

Mailing Address: C/O Allen Boone Humphries Robinson LLP, 919 Congress AVE, STE 1500  
City, State, Zip Code: Austin, TX 78701-2156

Phone No.: 737-241-9266

E-mail Address: ian.clements@kimley-horn.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Click to enter text.

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text.

E-mail Address: Click to enter text.

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Click to enter text.

## Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☐

Yes

☐

No

If no, or a new permit application, please give an accurate description:

Click to enter text.

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☐

Yes

☐

No

If no, or a new or amendment permit application, provide an accurate description of the

point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

Click to enter text.

City nearest the outfall(s): Click to enter text.

County in which the outfalls(s) is/are located: Click to enter text.

- C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☐ No

If yes, indicate by a check mark if:

☐ Authorization granted ☐ Authorization pending

For new and amendment applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: Click to enter text.

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Click to enter text.

## Section 11. TLAP Disposal Information (Instructions Page 32)

- A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☐ Yes ☐ No

If no, or a new or amendment permit application, provide an accurate description of the disposal site location:

The spray irrigation fields will be located within the proposed Arete Thomas Ranch subdivision, just northwest of the intersection of State Hwy 71 and Paleface Ranch Rd.

- B. City nearest the disposal site: City of Austin

- C. County in which the disposal site is located: Travis County, Burnet County

- D. For TLAPs, describe the routing of effluent from the treatment facility to the disposal site:

Route is from the effluent pump station to the irrigation lake and from the irrigation lake to the irrigation area.

- E. For TLAPs, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Pedernales River

## Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the

sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

N/A

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: [Click to enter text.](#)

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

## Section 13. Attachments (Instructions Page 33)

Indicate which attachments are included with the Administrative Report. Check all that apply:

☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify: [Click to enter text.](#)



## Section 14. Signature Page (Instructions Page 34)

*If co-applicants are necessary, each entity must submit an original, separate signature page.*

Permit Number: Click to enter text.

Applicant: Arcté Thomas Ranch Holdings, LLC


Certification:

I 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.

I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Click to enter text. Thomas Hagan

Signatory title: Click to enter text. Manager

Signature:  Date: 3/19/25  
(Use blue ink)

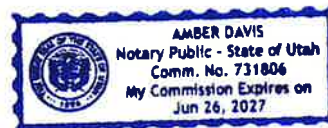
Subscribed and Sworn to before me by the said Thomas Hagan  
on this 19 day of March, 2025.

My commission expires on the 26 day of June, 2027.

Amber Davis  
Notary Public

[SEAL]

Salt Lake  
County, ~~Texas~~ Utah





# DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

## Section 1. Affected Landowner Information (Instructions Page 36)

A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:

- ☒ The applicant's property boundaries
- ☒ The facility site boundaries within the applicant's property boundaries
- ☒ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☒ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☒ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

C. Indicate by a check mark in which format the landowners list is submitted:

- ☐ USB Drive      ☒ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: Travis County Appraisal District & Burnet County Appraisal District

E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

- ☐ Yes      ☒ No

If yes, provide the location and foreseeable impacts and effects this application has on the land(s):

Click to enter text.

## Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- ☒ At least one original photograph of the new or expanded treatment unit location
- ☐ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☒ At least one photograph of the existing/proposed effluent disposal site
- ☒ A plot plan or map showing the location and direction of each photograph

## Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- ☒ Ownership
- ☐ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

- ☒ Yes      ☐ No

# DOMESTIC WASTEWATER PERMIT APPLICATION

## SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: [Click to enter text.](#)

# WATER QUALITY PERMIT

## PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- Do Not mail this form with the application form.
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

*BY REGULAR U.S. MAIL*

Texas Commission on Environmental Quality  
Financial Administration Division  
Cashier's Office, MC-214  
P.O. Box 13088  
Austin, Texas 78711-3088

*BY OVERNIGHT/EXPRESS MAIL*

Texas Commission on Environmental Quality  
Financial Administration Division  
Cashier's Office, MC-214  
12100 Park 35 Circle  
Austin, Texas 78753

Fee Code: WQP      Waste Permit No: [Click to enter text.](#)

1. Check or Money Order Number: [Click to enter text.](#)
2. Check or Money Order Amount: [Click to enter text.](#)
3. Date of Check or Money Order: [Click to enter text.](#)
4. Name on Check or Money Order: [Click to enter text.](#)

5. APPLICATION INFORMATION

Name of Project or Site: [Click to enter text.](#)

Physical Address of Project or Site: [Click to enter text.](#)

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

# ATTACHMENT 1

## INDIVIDUAL INFORMATION

### Section 1. Individual Information (Instructions Page 41)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): [Click to enter text.](#)

Full legal name (Last Name, First Name, Middle Initial): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#) Fax Number: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

# DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes  
(Required for all application types. Must be completed in its entirety and signed.  
Note: Form may be signed by applicant representative.)

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes  
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☐ Yes  
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes  
(Full-size map if seeking "New" permit.  
8 ½ x 11 acceptable for Renewals and Amendments)

Current/Non-Expired, Executed Lease Agreement or Easement ☒ N/A ☐ Yes

Landowners Map ☐ N/A ☒ Yes  
(See instructions for landowner requirements)

## Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☐ N/A ☒ Yes  
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☐ N/A ☒ Yes  
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 – Blue Ink Preferred ☒ Yes  
(If signature page is not signed by an elected official or principle executive officer,  
a copy of signature authority/delegation letter must be attached)

Plain Language Summary ☒ Yes



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

### Section 1. Permitted or Proposed Flows (Instructions Page 43)

#### A. Existing/Interim I Phase

Design Flow (MGD): 0.26

2-Hr Peak Flow (MGD): 1.04

Estimated construction start date: 2026

Estimated waste disposal start date: 2027

#### B. Interim II Phase

Design Flow (MGD): N/A

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

#### C. Final Phase

Design Flow (MGD): 0.51

2-Hr Peak Flow (MGD): 2.04

Estimated construction start date: 2029

Estimated waste disposal start date: 2031

#### D. Current Operating Phase

Provide the startup date of the facility: N/A

### Section 2. Treatment Process (Instructions Page 43)

#### A. Current Operating Phase

Provide a detailed description of the treatment process. Include the type of treatment plant, mode of operation, and all treatment units. Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. If more than one phase exists or is proposed, a description of *each phase* must be provided.

Raw water will enter the headworks screen and flow into two aeration basins, a clarifier, a disk filter, and a chlorine contact basin. Effluent from the chlorine contact basin flows to an effluent pump station, which pumps it to the effluent storage pond. From there, an irrigation pump station pumps the effluent to the surface irrigation area. Wasted solids from the clarifier go to an aerobic digester and are trucked to a landfill.

## B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) of each treatment unit, accounting for *all* phases of operation.

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Aeration Basin	2	50' x 14' x 12'
Clarifier	1	48'ø x 10'
Aerobic Digester	1	45'ø x 12'
Chlorine Contact Chamber	1	23' x 10' x 10'
Disk Filter	1	26'x70'x12'

## C. Process Flow Diagram

Provide flow diagrams for the existing facilities and each proposed phase of construction.

Attachment: [Attachment 9](#)

## Section 3. Site Information and Drawing (Instructions Page 44)

Provide the TPDES discharge outfall latitude and longitude. Enter N/A if not applicable.

- Latitude: N/A
- Longitude: N/A

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: 30.449747°
- Longitude: -98.105714°

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: [Attachment 10](#)



Provide the name and a description of the area served by the treatment facility.

The area to be served by the treatment plant is a mixed-use residential development consisting of single-family, multi-family, and high-density residential, as well as open space, commercial retail, and public infrastructure. This development includes 2,900 LUEs with an ultimate flow rate of 0.51 MGD.

Collection System Information for wastewater TPDES permits only: Provide information for each uniquely owned collection system, existing and new, served by this facility, including satellite collection systems. Please see the instructions for a detailed explanation and examples.

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
		Choose an item.	
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☐ Yes ☒ No

If yes, does the existing permit contain a phase that has not been constructed within five years of being authorized by the TCEQ?

☐ Yes ☐ No

If yes, provide a detailed discussion regarding the continued need for the unbuilt phase. Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.

N/A

Section 5. Closure Plans (Instructions Page 45)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

☐ Yes ☒ No

If yes, was a closure plan submitted to the TCEQ?

☐ Yes ☐ No

If yes, provide a brief description of the closure and the date of plan approval.

N/A

## Section 6. Permit Specific Requirements (Instructions Page 45)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

### A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☐ Yes ☐ No

If yes, provide the date(s) of approval for each phase: [Click to enter text.](#)

Provide information, including dates, on any actions taken to meet a *requirement or provision* pertaining to the submission of a summary transmittal letter. Provide a copy of an approval letter from the TCEQ, if applicable.

[Click to enter text.](#)

### B. Buffer zones

Have the buffer zone requirements been met?

☐ Yes ☐ No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

[Click to enter text.](#)

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☐ Yes ☐ No

If yes, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

Click to enter text.

D. Grit and grease treatment

1. *Acceptance of grit and grease waste*

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☐ No

If No, stop here and continue with Subsection E. Stormwater Management.

2. *Grit and grease processing*

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

Click to enter text.

3. *Grit disposal*

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☐ Yes ☐ No

If No, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

[Click to enter text.](#)

4. *Grease and decanted liquid disposal*

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

Describe how the decant and grease are treated and disposed of after grit separation.

[Click to enter text.](#)

E. Stormwater management

1. *Applicability*

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☐ Yes ☐ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☐ Yes ☐ No

If no to both of the above, then skip to Subsection F, Other Wastes Received.

2. *MSGP coverage*

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☐ Yes ☐ No

If yes, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

If no, do you intend to seek coverage under TXR050000?

☐ Yes ☐ No

3. *Conditional exclusion*

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

☐ Yes ☐ No

If yes, please explain below then proceed to Subsection F, Other Wastes Received:

Click to enter text.

4. *Existing coverage in individual permit*

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☐ No

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

Click to enter text.

5. *Zero stormwater discharge*

Do you intend to have no discharge of stormwater via use of evaporation or other means?

☐ Yes ☐ No

If yes, explain below then skip to Subsection F. Other Wastes Received.

Click to enter text.

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. *Request for coverage in individual permit*

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☐ No

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you

intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

[Click to enter text.](#)

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☐ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.

[Click to enter text.](#)

G. Other wastes received including sludge from other WWTPs and septic waste

1. *Acceptance of sludge from other WWTPs*

Does or will the facility accept sludge from other treatment plants at the facility site?

☐ Yes ☐ No

If yes, attach sewage sludge solids management plan. See Example 5 of instructions.

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the sludge, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

[Click to enter text.](#)

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. *Acceptance of septic waste*

Is the facility accepting or will it accept septic waste?

☐ Yes ☐ No

If yes, does the facility have a Type V processing unit?

☐ Yes ☐ No

If yes, does the unit have a Municipal Solid Waste permit?

☐ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the septic waste, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. *Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)*

Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?

☐ Yes ☐ No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

Click to enter text.

## Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☐ Yes ☒ No

If no, this section is not applicable. Proceed to Section 8.

If yes, provide effluent analysis data for the listed pollutants. *Wastewater treatment facilities* complete Table 1.0(2). *Water treatment facilities* discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. These tables are not applicable for a minor amendment without renewal. See the instructions for guidance.

Note: The sample date must be within 1 year of application submission.

Table1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD <sub>5</sub> , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, $\mu$ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO <sub>3</sub> )*, mg/l					

\*TPDES permits only

†TLAP permits only

Table1.0(3) – Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO <sub>3</sub> ), mg/l					

## Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Facility not in operation.Facility Operator's License Classification and Level: Facility not in operation.Facility Operator's License Number: Facility not in operation.



## Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

### A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☐ Design flow  $\geq$  1 MGD
- ☐ Serves  $\geq$  10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☒ Biosolids generator
- ☐ Biosolids end user – land application (onsite)
- ☐ Biosolids end user – surface disposal (onsite)
- ☐ Biosolids end user – incinerator (onsite)

### B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage ( $<$  2 years)
- ☐ Long Term Storage ( $\geq$  2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: [Click to enter text.](#)

### C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize

all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

#### Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Bulk	14 per month	Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): [Click to enter text.](#)

#### D. Disposal site

Disposal site name: Will be transported to another WWTP to be selected at a later date.

TCEQ permit or registration number: N/A

County where disposal site is located: N/A

#### E. Transportation method

Method of transportation (truck, train, pipe, other): Registered hauler to be selected at a later date.

Name of the hauler: N/A

Hauler registration number: N/A

Sludge is transported as a:

Liquid ☐ semi-liquid ☒ semi-solid ☐ solid ☐

## Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

#### A. Beneficial use authorization

Does the existing permit include authorization for land application of sewage sludge for beneficial use?

☐ Yes ☒ No

If yes, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

☐ Yes ☐ No

If yes, is the completed Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451) attached to this permit application (see the instructions for details)?

☐ Yes ☐ No

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

Sludge Composting	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Marketing and Distribution of sludge	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If yes to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056) attached to this permit application?

☐ Yes ☐ No

## Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

If yes, complete the remainder of this section. If no, proceed to Section 12.

A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:  
Attachment: [Click to enter text.](#)
- USDA Natural Resources Conservation Service Soil Map:  
Attachment: [Click to enter text.](#)
- Federal Emergency Management Map:  
Attachment: [Click to enter text.](#)
- Site map:  
Attachment: [Click to enter text.](#)

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: [Click to enter text.](#)

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

[Click to enter text.](#)

#### B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0*.

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [Click to enter text.](#)

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

Arsenic: [Click to enter text.](#)

Cadmium: [Click to enter text.](#)

Chromium: [Click to enter text.](#)

Copper: [Click to enter text.](#)

Lead: [Click to enter text.](#)

Mercury: [Click to enter text.](#)

Molybdenum: [Click to enter text.](#)

Nickel: [Click to enter text.](#)

Selenium: [Click to enter text.](#)

Zinc: [Click to enter text.](#)

Total PCBs: [Click to enter text.](#)

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [Click to enter text.](#)

Total dry tons stored in the lagoons(s) per 365-day period: [Click to enter text.](#)

Total dry tons stored in the lagoons(s) over the life of the unit: [Click to enter text.](#)

#### C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of  $1 \times 10^{-7}$  cm/sec?

☐ Yes ☐ No

If yes, describe the liner below. Please note that a liner is required.

[Click to enter text.](#)

#### D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

[Click to enter text.](#)

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)  
Attachment: [Click to enter text.](#)
- Copy of the closure plan  
Attachment: [Click to enter text.](#)
- Copy of deed recordation for the site  
Attachment: [Click to enter text.](#)
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons  
Attachment: [Click to enter text.](#)
- Description of the method of controlling infiltration of groundwater and surface water from entering the site  
Attachment: [Click to enter text.](#)
- Procedures to prevent the occurrence of nuisance conditions  
Attachment: [Click to enter text.](#)

#### E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☐ No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: [Click to enter text.](#)

## Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

### A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☐ Yes ☒ No

If yes, provide the TCEQ authorization number and description of the authorization:

N/A

### B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

N/A

## Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

### A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

☐ Yes ☒ No

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

☐ Yes ☒ No

C. Details about wastes received

If yes to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment: N/A

## Section 14. Laboratory Accreditation (Instructions Page 56)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
  - periodically inspected by the TCEQ; or
  - located in another state and is accredited or inspected by that state; or
  - performing work for another company with a unit located in the same site; or
  - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review 30 TAC Chapter 25 for specific requirements.

The following certification statement shall be signed and submitted with every application. See the Signature Page section in the Instructions, for a list of designated representatives who may sign the certification.

### CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Thomas Hogen

Title: Manager

Signature: 

Date: 3/19/25



# DOMESTIC WASTEWATER PERMIT APPLICATION

## TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

### Section 1. Justification for Permit (Instructions Page 57)

#### A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

A new treatment plant is needed to serve the Thomas Ranch subdivision. The ultimate buildout of the development will include 2,079 acres of single-family, multi-family, and high-density residential, as well as open space, commercial retail, and public infrastructure. Given the acreage distribution of the proposed development, industry-standard flows from Metcalf & Eddy were used to determine that 0.51 MGD would be representative of the flows from the Heritage development. There is no wastewater treatment plant within three miles to provide wastewater service to this subdivision.

#### B. Regionalization of facilities

For additional guidance, please review [TCEQ's Regionalization Policy for Wastewater Treatment](#)<sup>1</sup>.

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

##### 1. *Municipally incorporated areas*

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☒ No ☐ Not Applicable

If yes, within the city limits of: [Click to enter text.](#)

If yes, attach correspondence from the city.

Attachment: N/A

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: N/A

##### 2. *Utility CCN areas*

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☒ No

---

<sup>1</sup> <https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater>

If yes, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: N/A

3. *Nearby WWTPs or collection systems*

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☐ Yes ☒ No

If yes, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

Attachment: N/A

If yes, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

Attachment: N/A

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

Attachment: N/A

## Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☐ Yes ☒ No

If no, proceed to Item B, Proposed Organic Loading.

If yes, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application): N/A

Average Influent Organic Strength or BOD<sub>5</sub> Concentration in mg/l: N/A

Average Influent Loading (lbs/day = total average flow X average BOD<sub>5</sub> conc. X 8.34): N/A

Provide the source of the average organic strength or BOD<sub>5</sub> concentration.

N/A

## B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD <sub>5</sub> Concentration (mg/l)
Municipality		
Subdivision	0.26	300
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.26	
AVERAGE BOD <sub>5</sub> from all sources		300

## Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

### A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 20

Total Suspended Solids, mg/l: 20

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: N/A

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: N/A

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 20

Total Suspended Solids, mg/l: 20

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: N/A

D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 1.0 mg/l after 20 minutes detention time at peak flow

Dechlorination process: Click to enter text.

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

## Section 4. Design Calculations (Instructions Page 59)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: Attachment 11

## Section 5. Facility Site (Instructions Page 60)

A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

☒ Yes ☐ No

If no, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

Click to enter text.

Provide the source(s) used to determine 100-year frequency flood plain.

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

☐ Yes ☒ No

If yes, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

☐ Yes ☐ No

If yes, provide the permit number: [Click to enter text.](#)

If no, provide the approximate date you anticipate submitting your application to the Corps: [Click to enter text.](#)

B. Wind rose

Attach a wind rose: [Attachment 12](#)

## Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

A. Beneficial use authorization

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☒ No

If yes, attach the completed Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451): [N/A](#)

B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

- ☐ Sludge Composting
- ☐ Marketing and Distribution of sludge
- ☐ Sludge Surface Disposal or Sludge Monofill

If any of the above, sludge options are selected, attach the completed Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056): [N/A](#)

## Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

Attachment: [Attachment 13](#)

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow

- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

# DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

The following is required for renewal, new, and amendment permit applications.

## Section 1. Type of Disposal System (Instructions Page 68)

Identify the method of land disposal:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Surface application                                   | <input type="checkbox"/> Subsurface application                |
| <input checked="" type="checkbox"/> Irrigation  | <input type="checkbox"/> Subsurface soils absorption           |
| <input type="checkbox"/> Drip irrigation system   | <input type="checkbox"/> Subsurface area drip dispersal system |
| <input type="checkbox"/> Evaporation  | <input type="checkbox"/> Evapotranspiration beds               |
| <input type="checkbox"/> Other (describe in detail): <a href="#">Click to enter text.</a> |  |

NOTE: All applicants without authorization or proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0.

For existing authorizations, provide Registration Number: N/A

## Section 2. Land Application Site(s) (Instructions Page 68)

In table 3.0(1), provide the requested information for the land application sites. Include the agricultural or cover crop type (wheat, cotton, alfalfa, bermuda grass, native grasses, etc.), land use (golf course, hayland, pastureland, park, row crop, etc.), irrigation area, amount of effluent applied, and whether or not the public has access to the area. Specify the amount of land area and the amount of effluent that will be allotted to each agricultural or cover crop, if more than one crop will be used.

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
Bermuda Overseeded with Rye	191	260,000	Yes

### Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 68)

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
1	5.3	23	500'x520'	synthetic liner

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond.

Attachment: [Attachment 14](#)

### Section 4. Flood and Runoff Protection (Instructions Page 68)

Is the land application site within the 100-year frequency flood level?

☐ Yes ☒ No

If yes, describe how the site will be protected from inundation.

Click to enter text.

Provide the source used to determine the 100-year frequency flood level:

Click to enter text.

Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

Click to enter text.



## Section 5. Annual Cropping Plan (Instructions Page 68)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. Attachment: [Attachment 15](#)

- Soils map with crops
- Cool and warm season plant species
- Crop yield goals
- Crop growing season
- Crop nutrient requirements
- Additional fertilizer requirements
- Minimum/maximum harvest height (for grass crops)
- Supplemental watering requirements
- Crop salt tolerances
- Harvesting method/number of harvests
- Justification for not removing existing vegetation to be irrigated

## Section 6. Well and Map Information (Instructions Page 69)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. Attachment: [Attachment 5](#)

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones
- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

List and cross reference all water wells located within a half-mile radius of the disposal site or property boundaries shown on the USGS map in the following table. Attach additional pages as necessary to include all of the wells.

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

Attachment: [Attachment 16](#)

**Section 7. Groundwater Quality (Instructions Page 69)**

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

Attachment: [Attachment 17](#)

Are groundwater monitoring wells available onsite? ☐ Yes ☒ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☒ No

If yes, provide the proposed location of the monitoring wells or lysimeters on a site map.

Attachment: [Click to enter text.](#)

**Section 8. Soil Map and Soil Analyses (Instructions Page 70)**

A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

Attachment: [Attachment 18](#)

B. Soil analyses

Attach the laboratory results sheets from the soil analyses. Note: for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.

Attachment: [Attachment 19](#)

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

## Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☐ Yes ☒ No

If no, this section is not applicable and the worksheet is complete.

If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

Table 3.0(5) – Effluent Monitoring Data

[illegible]

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

Click to enter text.

# DOMESTIC WASTEWATER PERMIT APPLICATION

## WORKSHEET 3.1: SURFACE LAND DISPOSAL OF EFFLUENT

The following is required for new and major amendment permit applications. Renewal and minor amendment permit applications may be asked for this worksheet on a case by case basis.

### Section 1. Surface Disposal (Instructions Page 72)

Complete the item that applies for the method of disposal being used.

#### A. Irrigation

Area under irrigation, in acres: 191

Design application frequency:

hours/day 8 hours/day And days/week 7 days/week

Land grade (slope):

average percent (%): 10

maximum percent (%): 20

Design application rate in acre-feet/acre/year: 3

Design total nitrogen loading rate, in lbs N/acre/year: Click to enter text.

Soil conductivity (mmhos/cm): Click to enter text.

Method of application: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations, method of application, irrigation efficiency, and nitrogen balance.

Attachment: Attachment 20

#### B. Evaporation ponds

Daily average effluent flow into ponds, in gallons per day: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations.

Attachment: Click to enter text.

#### C. Evapotranspiration beds

Number of beds: Click to enter text.

Area of bed(s), in acres: Click to enter text.

Depth of bed(s), in feet: Click to enter text.

Void ratio of soil in the beds: Click to enter text.

Storage volume within the beds, in acre-feet: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations, and a description of the lining.

Attachment: Click to enter text.

D. Overland flow

Area used for application, in acres: [Click to enter text.](#)

Slopes for application area, percent (%): [Click to enter text.](#)

Design application rate, in gpm/foot of slope width: [Click to enter text.](#)

Slope length, in feet: [Click to enter text.](#)

Design BOD<sub>5</sub> loading rate, in lbs BOD<sub>5</sub>/acre/day: [Click to enter text.](#)

Design application frequency:

hours/day: [Click to enter text.](#) And days/week: [Click to enter text.](#)

Attach a separate engineering report with the method of application and design requirements according to *30 TAC Chapter 217*.

Attachment: [Click to enter text.](#)

## Section 2. Edwards Aquifer (Instructions Page 73)

Is the facility subject to *30 TAC Chapter 213*, Edwards Aquifer Rules?

☐ Yes ☒ No

If yes, is the facility located on the Edwards Aquifer Recharge Zone?

☐ Yes ☐ No

If yes, attach a geological report addressing potential recharge features.

Attachment: N/A

**Attachment 1**  
Copy of Permit Fee

Your transaction is complete. Thank you for using TCEQ ePay.

**Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.**

#### Transaction Information

**Trace Number:** 582EA000662829  
**Date:** 04/07/2025 02:22 PM  
**Payment Method:** CC - Authorization 0000207335  
**ePay Actor:** IAN CLEMENTS  
**Actor Email:** ian.clements@kimley-horn.com  
**IP:** 130.41.212.196  
**TCEQ Amount:** \$1,650.00  
**Texas.gov Price:** \$1,687.38\*

\* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

#### Payment Contact Information

**Name:** IAN CLEMENTS  
**Company:** KIMLEY-HORN  
**Address:** 113 COREOPSIS COVE, KYLE, TX 78640  
**Phone:** 361-548-9915

#### Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
<a href="#">761261</a>	WW PERMIT - FACILITY WITH FLOW >= .50 & < 1.0 MGD - NEW AND MAJOR AMENDMENTS		\$1,600.00
<a href="#">761262</a>	30 TAC 305.53B WQ NOTIFICATION FEE		\$50.00
<b>TCEQ Amount:</b>			<b>\$1,650.00</b>

[ePay Again](#)[Exit ePay](#)

**Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.**



Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

**Transaction Information****Voucher Number:** 761261**Trace Number:** 582EA000662829**Date:** 04/07/2025 02:22 PM**Payment Method:** CC - Authorization 0000207335**Voucher Amount:** \$1,600.00**Fee Type:** WW PERMIT - FACILITY WITH FLOW >= .50 & < 1.0 MGD - NEW AND MAJOR AMENDMENTS**ePay Actor:** IAN CLEMENTS**Actor Email:** ian.clements@kimley-horn.com**IP:** 130.41.212.196**Payment Contact Information****Name:** IAN CLEMENTS**Company:** KIMLEY-HORN**Address:** 113 COREOPSIS COVE, KYLE, TX 78640**Phone:** 361-548-9915**Site Information****Site Name:** THOMAS RANCH WWTP**Site Location:** APPROXIMATELY 1.2 MILES NW OF THE INTERSECTION OF STATE HWY 71 & PALEFACE RD**Customer Information****Customer Name:** ARETE THOMAS RANCH HOLDINGS LLC**Customer Address:** 919 CONGRESS AVE STE 1500, AUSTIN, TX 78701 2156**State Franchise Tax ID:** 32082433494[Close](#)

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

**Transaction Information**

**Voucher Number:** 761262  
**Trace Number:** 582EA000662829  
**Date:** 04/07/2025 02:22 PM  
**Payment Method:** CC - Authorization 0000207335  
**Voucher Amount:** \$50.00  
**Fee Type:** 30 TAC 305.53B WQ NOTIFICATION FEE  
**ePay Actor:** IAN CLEMENTS  
**Actor Email:** ian.clements@kimley-horn.com  
**IP:** 130.41.212.196

**Payment Contact Information**

**Name:** IAN CLEMENTS  
**Company:** KIMLEY-HORN  
**Address:** 113 COREOPSIS COVE, KYLE, TX 78640  
**Phone:** 361-548-9915

Close

## **Attachment 2**

10400 – TCEQ Core Data Form



# TCEQ Core Data Form

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

## SECTION I: General Information

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN		RN

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)		
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership				
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
<i>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).</i>				
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)			<i>If new Customer, enter previous Customer below:</i>	
Arete Thomas Ranch Holdings, LLC				
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)	
804367904	32082433494	42-2785650	N/A	
<b>11. Type of Customer:</b>		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited		
<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual		
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:		
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>		
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:				
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant				
<b>15. Mailing Address:</b>		C/O Allen Boone Humphries Robinson LLP		
		919 Congress AVE, STE 1500		
<b>City</b>	Austin	<b>State</b>	TX	<b>ZIP</b> 78701 <b>ZIP + 4</b> 2156
<b>16. Country Mailing Information</b> (if outside USA)		<b>17. E-Mail Address</b> (if applicable)		
		ian.clements@kimley-horn.com		
<b>18. Telephone Number</b>		<b>19. Extension or Code</b>		<b>20. Fax Number</b> (if applicable)

**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.)

Thomas Ranch WWTP

**23. Street Address of the Regulated Entity:**

(No PO Boxes)

City

State

ZIP

ZIP + 4

**24. County**

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

**25. Description to Physical Location:**

Approximately 1.2 miles northwest of the intersection of State Hwy 71 and Paleface Ranch Rd.

**26. Nearest City**

State

Nearest ZIP Code

Austin

TX

78669

*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:**

30.426025

**28. Longitude (W) In Decimal:**

-98.109841

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

30

25

34

-98

6

35

**29. Primary SIC Code****30. Secondary SIC Code****31. Primary NAICS Code****32. Secondary NAICS Code**

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

9511

221310

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

Wastewater Treatment

**34. Mailing Address:**

C/O Allen Boone Humphries Robinson LLP

919 Congress AVE, STE 1500

City

Austin

State

TX

ZIP

78701

ZIP + 4

2156

**35. E-Mail Address:**

ian.clements@kimley-horn.com

**36. Telephone Number****37. Extension or Code****38. Fax Number** (if applicable)

( 737 ) 241-9266

( ) -

**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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

#### **SECTION IV: Preparer Information**

<b>40. Name:</b>	Behnaz Jalili			<b>41. Title:</b>	Project Manager
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>		
( 512 ) 518-5596		( ) -	Behnaz.Jalili@kimley-horn.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.

<b>Company:</b>	Arere Thomas Ranch Holdings, LLC	<b>Job Title:</b>	Manager
<b>Name (In Print):</b>	Thomas Hogan	<b>Phone:</b>	(801) 333-8156
<b>Signature:</b>		<b>Date:</b>	4/1/25

## **Attachment 3**

20972 – Summary of Application in Plain  
Language



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

### Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package. For your convenience, a Spanish template has been provided below.

#### ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

*The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.*

Arete Thomas Ranch, LLC (CN#####) proposes to operate Thomas Ranch WWTP (RN#####), a wastewater treatment plant and surface spray irrigation system to dispose of treated effluent. The facility will be located at approximately 1.2 miles northwest of the intersection of State Hwy 71 and Paleface Ranch Rd., in Spicewood, Travis County, Texas 78669. This is a TLAP application to authorize the disposal of treated wastewater at a volume not to exceed 260,000 gallons per day via a surface spray irrigation system on approximately 191 acres. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N), total phosphorus, and *Escherichia coli*. Domestic wastewater will be treated by a headworks screen, an aeration basin, a clarifier, an aerobic digester, a chlorine contact chamber, a disk filter, and then disposed of through a surface spray irrigation system.



# PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

## AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

*El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.*

Arete Thomas Ranch, LLC (CN#####) propone operar Thomas Ranch WWTP (RN#####), una planta de tratamiento de aguas residuales y sistema de riego por aspersión superficial para disposición del efluente tratado. La instalación estará ubicada en aproximadamente 1,2 millas al noroeste de la intersección de State Hwy 71 y Paleface Ranch Rd , en estará, Condado de Travis, Texas 78669. Esta es una solicitud TLAP para autorizar la eliminación de aguas residuales tratadas en un volumen que no exceda los 260,000 galones por día a través de un sistema de riego por aspersión de superficie en aproximadamente 191 acres. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso, sólidos suspendidos totales, nitrógeno amoniacal, fósforo total y *Escherichia coli*. Aguas residuales domésticas . están tratado por una criba de cabecera, un estanque de aireación, un clarificador, un digestor aeróbico, una cámara de contacto de cloro, un filtro de discos, para luego ser eliminado a través de un sistema de riego por aspersión superficial.

## **Attachment 4**

20960 – Public Involvement Plan Form



Texas Commission on Environmental Quality

## Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

### Section 1. Preliminary Screening

- ☒ New Permit or Registration Application  
☐ New Activity - modification, registration, amendment, facility, etc. (see instructions)

**If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.**

### Section 2. Secondary Screening

- ☒ Requires public notice,  
☐ Considered to have significant public interest, **and**  
☒ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary.  
Stop after Section 2 and submit the form.**

- ☐ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

### Section 3. Application Information

#### Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V  
Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire  
☐ Radioactive Material Licensing ☐ Underground Injection Control

#### Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)  
☒ Texas Land Application Permit (TLAP)  
☐ State Only Concentrated Animal Feeding Operation (CAFO)  
☐ Water Treatment Plant Residuals Disposal Permit  
☐ Class B Biosolids Land Application Permit  
☐ Domestic Septage Land Application Registration

#### Water Rights New Permit

☐ New Appropriation of Water  
☐ New or existing reservoir

#### Amendment to an Existing Water Right

☐ Add a New Appropriation of Water  
☐ Add a New or Existing Reservoir  
☐ Major Amendment that could affect other water rights or the environment

### Section 4. Plain Language Summary

Provide a brief description of planned activities.

Arete Thomas Ranch LLC proposes to operate Thomas Ranch WWTP, a wastewater treatment plant and surface spray irrigation system to dispose of treated effluent. The facility will be located approximately 1.2 miles northwest of the intersection of State Hwy 71 and Paleface Ranch Rd., in Spicewood, Travis County, Texas 78669. This is a TLAP application to authorize the disposal of treated wastewater at a volume not to exceed 260,000 gallons per day via a surface spray irrigation system on approximately 191 acres. This permit will not authorize a discharge of pollutants into water in the state. Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), total phosphorus, and *Escherichia coli*. Domestic wastewater will be treated by a headworks screen, an aeration basin, a clarifier, an aerobic digester, a chlorine contact chamber, a disk filter, and then disposed of through a surface spray irrigation system.

## Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

**Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.**

(City)

Travis County

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

☐

City

☒

County

☐

Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

92.8%

(b) Per capita income for population near the specified location

\$63,799

(c) Percent of minority population and percent of population by race within the specified location

(d) Percent of Linguistically Isolated Households by language within the specified location

(e) Languages commonly spoken in area by percentage

English: 69.6%, Spanish: 20.5%, Other Indo-European languages: 4.3%, Asian & Pacific Island languages: 4.3%, Other languages: 1.3%

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

## Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☒ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☒ No

If Yes, please describe.

**If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.**

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☐ No

**Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.**

If yes, how will you provide notice in alternative languages?

- ☐ Publish in alternative language newspaper
- ☐ Posted on Commissioner's Integrated Database Website
- ☐ Mailed by TCEQ's Office of the Chief Clerk
- ☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

- ☐ TCEQ Regional Office ☐ TCEQ Central Office
- ☐ Public Place (specify)

## Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☒ Yes ☐ No

What types of notice will be provided?

- ☒ Publish in alternative language newspaper
- ☐ Posted on Commissioner's Integrated Database Website
- ☐ Mailed by TCEQ's Office of the Chief Clerk
- ☐ Other (specify)

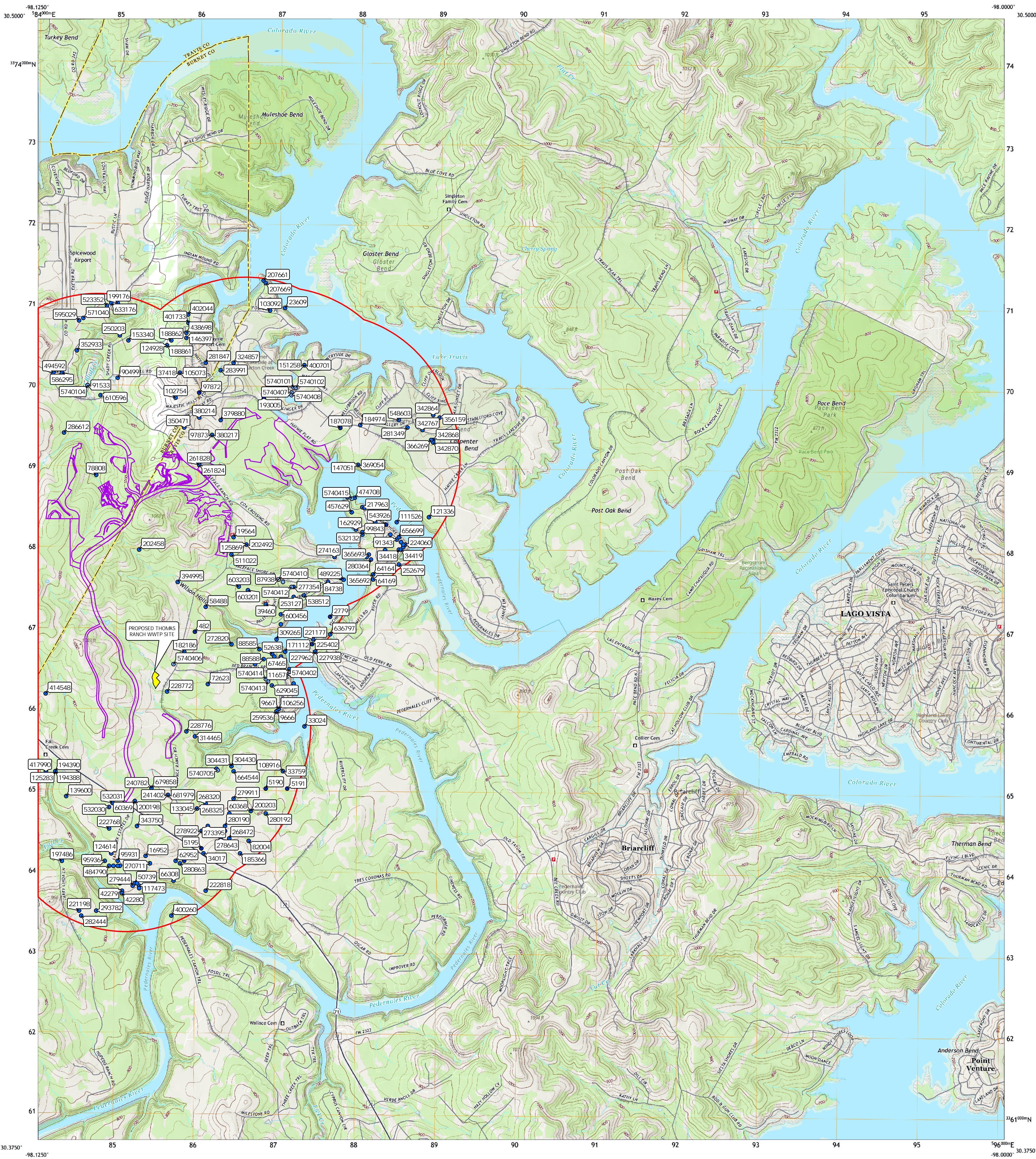
## **Attachment 5**

Original USGS Topographic Map





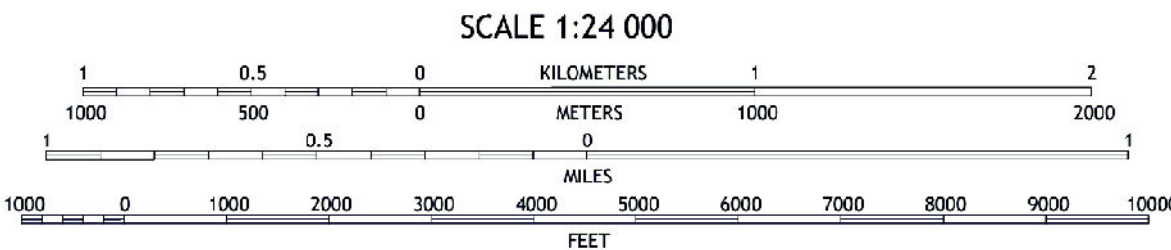
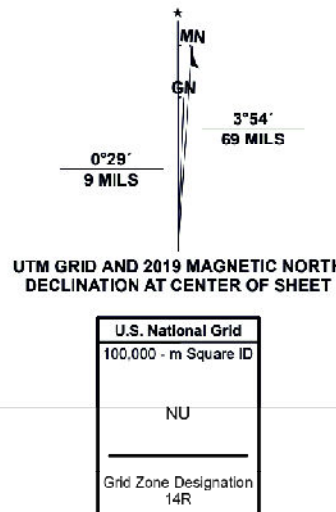




Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84). Projection and  
1 000-meter grid (Universal Transverse Mercator, Zone 14R)  
This map is not a legal document. Boundaries may be  
generalized for this map scale. Private lands within government  
reservations may not be shown. Obtain permission before  
entering private lands.

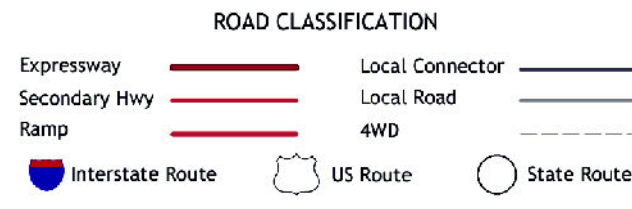
Imagery.....USGS, September 2016 - November 2016  
Roads.....U.S. Census Bureau, 2015 - 2019  
Names.....National Hydrography Dataset, 2002 - 2018  
Hydrography.....National Hydrography Dataset, 2002 - 2018  
Contours.....National Elevation Dataset, 2011  
Boundaries.....Multiple sources; see metadata file 2019 - 2021  
Wetlands.....FWS National Wetlands Inventory Not Available



CONTOUR INTERVAL 20 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
This map was produced to conform with the  
National Geospatial Program US Topo product Standard.



1	2	3	1 Smithwick
4	5	6	2 Travis Peak
7	8	9	3 Nameless
			4 Spicewood
			5 Mansfield Dam
			6 Hammett Crossing
			7 Shingle Hills
			8 Bee Cave



**PACE BEND, TX**  
2022

# USGS TOPOGRAPHIC MAP

## PACE BEND QUADRANGLE

### THOMAS RANCH WWTP

MARCH 2025



#### Legend

- WWTP Site
- Irrigation Areas
- 1-Mile Radius Offset
- Well - BRACS Database
- Well - TWDB Groundwater
- Well - Well Reports
- Well - Plugging Reports



## **Attachment 6**

Affected Landowners Map and Landowner  
List

## Affected Landowners List

### Property 1

LORALOMA BORROWER 1 LLC (2012201)  
4670 HOLLIDAY VILLAGE PLZ STE 200  
SALT LAKE CITY UT 84117-5291

### Property 2

SW RV PARK LLC (1950604)  
413 W 14TH ST STE 208  
NEW YORK NY 10014-1023

### Property 3

STROH JOHANN (1679278)  
2712 SCARLET OAKS DR  
PEARLAND TX 77581-1430

### Property 4

BARTON CREEK RESORT LLC (1371382)  
4001 MAPLE AVE STE 500  
DALLAS TX 75219-3241

### Property 5

AQUA TEXAS INC (539574)  
1106 CLAYTON LN STE 400W  
AUSTIN TX 78723-2476

### Property 6

RASHID SOFIA (1752848)  
1001 MARLY WAY  
AUSTIN TX 78733-3274

### Property 7

CULLEY ROBERT DOUGLAS (316347)  
10811 SANS SOUCI PL  
AUSTIN TX 78759-5151

### Property 8

LAKE TRAVIS ENCLAVE LLC (1714202)  
PO BOX 4263  
HORSESHOE BAY TX 78657-4263

### Property 9

LAKE TRAVIS ENCLAVE LLC (1714202)  
PO BOX 4263  
HORSESHOE BAY TX 78657-4263

Property 10  
LAKE TRAVIS ENCLAVE LLC (1714202)  
PO BOX 4263  
HORSESHOE BAY TX 78657-4263

Property 11  
LAKE TRAVIS ENCLAVE LLC (1714202)  
PO BOX 4263  
HORSESHOE BAY TX 78657-4263

Property 12  
LAKE TRAVIS ENCLAVE LLC (1714202)  
PO BOX 4263  
HORSESHOE BAY TX 78657-4263

Property 13  
LAKE TRAVIS ENCLAVE LLC (1714202)  
PO BOX 4263  
HORSESHOE BAY TX 78657-4263

Property 14  
LAKE TRAVIS ENCLAVE LLC (1714202)  
PO BOX 4263  
HORSESHOE BAY TX 78657-4263

Property 15  
LAKE TRAVIS ENCLAVE LLC (1714202)  
PO BOX 4263  
HORSESHOE BAY TX 78657-4263

Property 16  
BARTON CREEK RESORT LLC (1371382)  
4001 MAPLE AVE STE 500  
DALLAS TX 75219-3241

Property 17  
MOTHERAL PAUL H (316416)  
1116 SADDLEBROOK CANYON CT  
SPICEWOOD TX 78669-1507

Property 18  
KANDY LYDIA SUSAN & (1888991)  
3005 MISTY HEIGHTS CV  
PFLUGERVILLE TX 78660-3591

Property 19  
CHILDRESS GARY (1445158)  
1715 CLUBHOUSE HILL DR  
SPICEWOOD TX 78669-1361

Property 20  
FIRST NATIONAL BANK (1529699)  
2305 MANGUM RD  
HOUSTON TX 77092-8117

Property 21  
TOM LESLIE LARRY LLC (1729670)  
2110 EAGLE CT  
SAN ANGELO TX 76904-8064

Property 22  
TOM LESLIE LARRY LLC (1729670)  
2110 EAGLE CT  
SAN ANGELO TX 76904-8064

Property 23  
CAYMUS HOMES LLC  
C/O JAY ELKINS  
8904 TIOMBE BEND  
AUSTIN, TX 78749

Property 24  
OVERLOOK MARKET LLC  
4206 WATERS EDGE COVE  
AUSTIN, TX 78731

Property 25  
PATEL PRAKSHA & RUPAL PARMAR  
2104 BRIGHTON PARK DR  
BAKERSFIELD, CA 93311

Property 26  
ARETE THOMAS RANCH HOLDINGS LLC  
ATTN REBECCA BUCHAN  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
HOLLIDAY, UT 84117

Property 27  
ARETE THOMAS RANCH HOLDINGS LLC  
ATTN REBECCA BUCHAN  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
HOLLIDAY, UT 84117

Property 28  
ARETE THOMAS RANCH HOLDINGS LLC  
ATTN REBECCA BUCHAN  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
HOLLIDAY, UT 84117

Property 29  
ARETE THOMAS RANCH HOLDINGS LLC  
ATTN REBECCA BUCHAN  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
HOLLIDAY, UT 84117

Property 30  
JAYCO HOLDINGS II LTD  
602 FALL RIVER RD  
HOUSTON, TX 77024

Properties 31 – 82  
ARETE THOMAS RANCH HOLDINGS LLC  
ATTN REBECCA BUCHAN  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
HOLLIDAY, UT 84117

Property 83  
ONX-CANYON WEST LLC  
% ONX INC  
3200 EARHART DR  
CARROLTON, TX 75006

Property 84  
REMINGTON PREMIER LLC (2016358)  
595 S RIVERWOODS PKWY STE 400  
LOGAN UT 84321

Property 85 – 89  
LUNECKI DANIEL K & AUDREY L (113426)  
15401 ROCK CREEK  
AUSTIN TX 78734-1528

Property 90  
GLASS DELTON (1763855)  
401 CAROL ANN DR  
AUSTIN TX 78737

Property 91  
SCAMARDO BRIAN A (1456367)  
PSC 489 BOX 589  
APO AE 09751-0006

Property 92  
SCAMARDO LUKE P & BRIAN A (1346543)  
13323 TROTting PATH  
HELOTES TX 78023-4590

Property 93  
MORRISON GARY E INVESTMENTS LTD (1263601)  
336 S CONGRESS AVE STE 100  
AUSTIN TX 78704-1265

Property 94  
AUSTIN GOLF CLUB (532807)  
24900 STATE HIGHWAY 71 W  
SPICEWOOD TX 78669-2656

Property 95  
BEILHARZ DAVID & AMY (402615)  
1890 JOY RIDGE RD  
OCCIDENTAL CA 95465-9215

Property 96  
BEILHARZ DAVID C (1717823)  
1223 PALEFACE RANCH RD  
SPICEWOOD TX 78669-1392

Property 97  
ETHEREDGE PHILIP LANGDON & (197913)  
1401 W 39TH 1/2 ST  
AUSTIN TX 78756-3907

Property 98  
LCRA TRANSMISSION SERVICES (299659)  
3700 LAKE AUSTIN BLVD  
AUSTIN TX 78703-3504

Property 99  
PEDERNALES ELECTRIC (127038)  
PO BOX 1  
JOHNSON CITY TX 78636-0001

Property 100  
RAMSEY FOSTER & DOVIE IRREVOCABLE TRUST THE (1561171)  
PO BOX 309  
SPICEWOOD TX 78669-0309

Property 101  
RAMSEY FOSTER & DOVIE IRREVOCABLE TRUST THE (1561171)  
PO BOX 309  
SPICEWOOD TX 78669-0309

Property 102  
THOMPSON DAVID R & JEANNE A (315640)  
26106 RED BRANGUS RD  
SPICEWOOD TX 78669-6679

Property 103  
RAMSEY FOSTER & DOVIE IRREVOCABLE TRUST THE (1561171)  
PO BOX 309  
SPICEWOOD TX 78669-0309

Property 104  
RAMSEY FOSTER & DOVIE IRREVOCABLE TRUST THE (1561171)  
PO BOX 309  
SPICEWOOD TX 78669-0309

Property 105  
ATRH EQUESTRIAN LLC (1971167)  
4670 HOLLIDAY VILLAGE PLZ STE 200  
HOLLADAY UT 84117-5291

Property 106  
ARETE THOMAS RANCH HOLDINGS LLC (1989259)  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
SALT LAKE CITY UT 84117-5291

Property 107  
WPP THOMAS RANCH LLC ETAL (1984159)  
595 S 80 E STE 400  
LOGAN UT 84321



Property 108  
HILL GENEVA & STEVE (316195)  
102 N PALEFACE RANCH RD  
SPICEWOOD TX 78669-1339

Property 109  
ARETE THOMAS RANCH HOLDINGS LLC (1989259)  
4670 S HOLLADAY VILLAGE PLAZA STE 200  
SALT LAKE CITY UT 84117-5291

Property 110  
NAUMANN GLORIA & SHANNON KERLEY (1616251)  
109 N PALEFACE RANCH RD  
SPICEWOOD TX 78669-1339

Property 111  
BURGOS-VENCES JORGE & (1722328)  
1909 CRAZY HORSE PASS  
AUSTIN TX 78734-3114

Property 112  
DRMTX INVESTMENTS LLC (1894147)  
9060 LONG POINT ROAD  
HOUSTON TX 77055-4610

Property 113  
DRMTX INVESTMENTS LLC (1931559)  
7635 TIBURON TRL  
SUGAR LAND TX 77479-6158

Property 114  
ZLEEP LLC (1914617)  
237 PALEFACE RANCH RD S  
SPICEWOOD TX 78669-1786

Property 115  
O'MEARA-ARROYO TRUST (1985430)  
237 S PALEFACE RANCH RD  
SPICEWOOD TX 78669-1786

Property 116  
BONIECKI GARY TRUST (1994422)  
233 N PALEFACE RANCH RD  
SPICEWOOD TX 78669

Property 117  
CASTLETOP RANCH (316199)  
25800 COX CROSSING RD  
SPICEWOOD TX 78669-1480

Property 118  
PEDERNALES EMERGENCY SERVICES (507152)  
801 BEE CREEK RD  
SPICEWOOD TX 78669-2186

Property 119  
CASTLETOP RANCH (316199)  
25800 COX CROSSING RD  
SPICEWOOD TX 78669-1480

Property 120  
TEAGUE EMITT ERNEST (VLB) (316206)  
26317 COX CROSSING RD  
SPICEWOOD TX 78669-1338

Property 121  
CASTLETOP RANCH LTD (316200)  
3600 N CAPITAL OF TEXAS HWY 320B  
AUSTIN TX 78746-3314

Property 122  
LORALOMA BORROWER 1 LLC (2012201)  
4670 HOLLIDAY VILLAGE PLZ STE 200  
SALT LAKE CITY UT 84117-5291

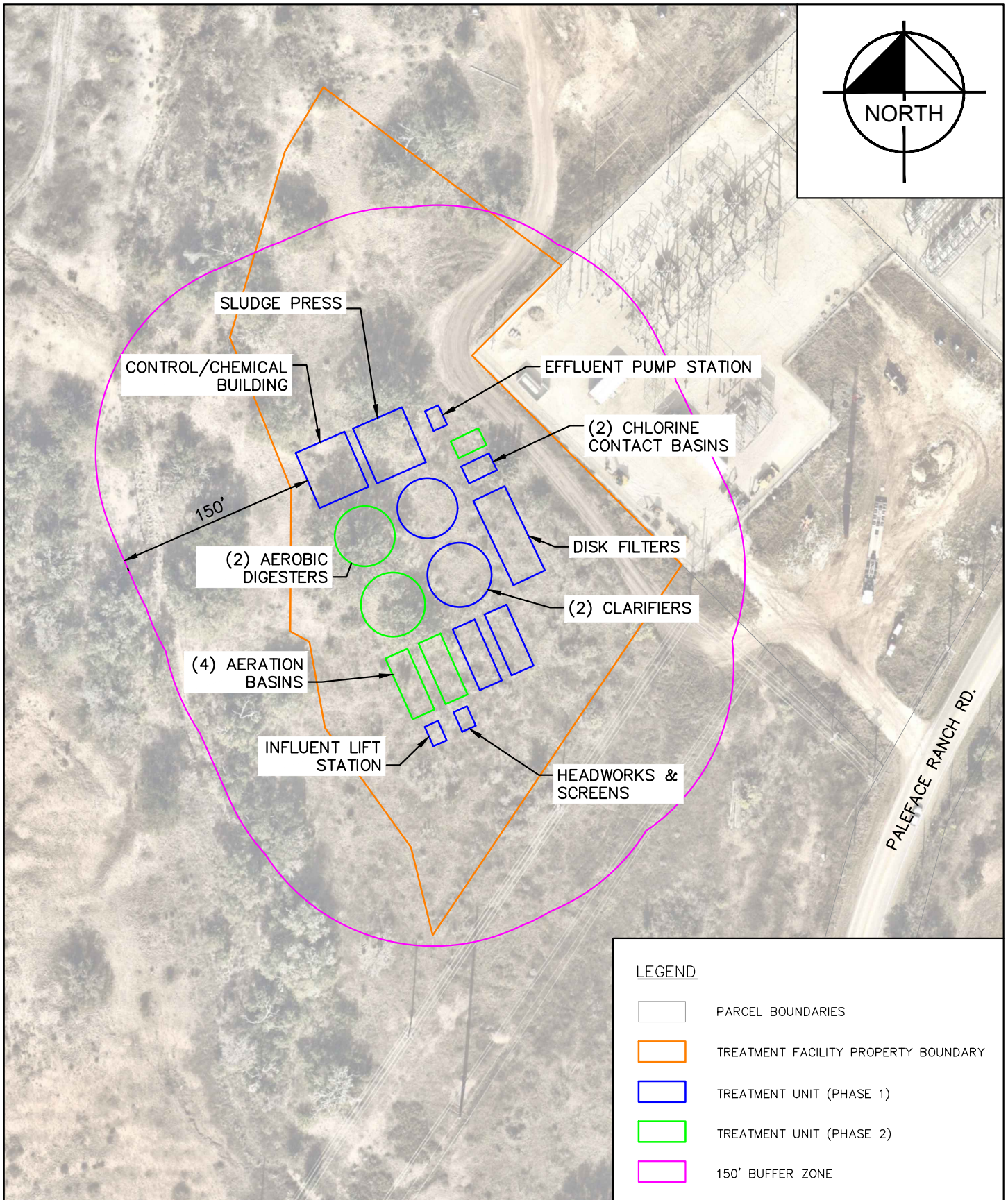
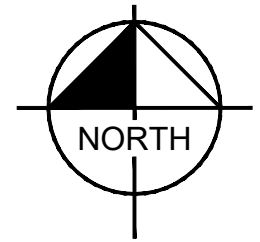
Property 123  
LORALOMA BORROWER 1 LLC (2012201)  
4670 HOLLIDAY VILLAGE PLZ STE 200  
SALT LAKE CITY UT 84117-5291

## **Attachment 7**






Original Photographs and Plot Plan

To Be Provided Later

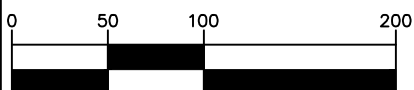
**Attachment 8**  
Buffer Zone Map



#### LEGEND

-  PARCEL BOUNDARIES
-  TREATMENT FACILITY PROPERTY BOUNDARY
-  TREATMENT UNIT (PHASE 1)
-  TREATMENT UNIT (PHASE 2)
-  150' BUFFER ZONE

GRAPHIC SCALE IN FEET



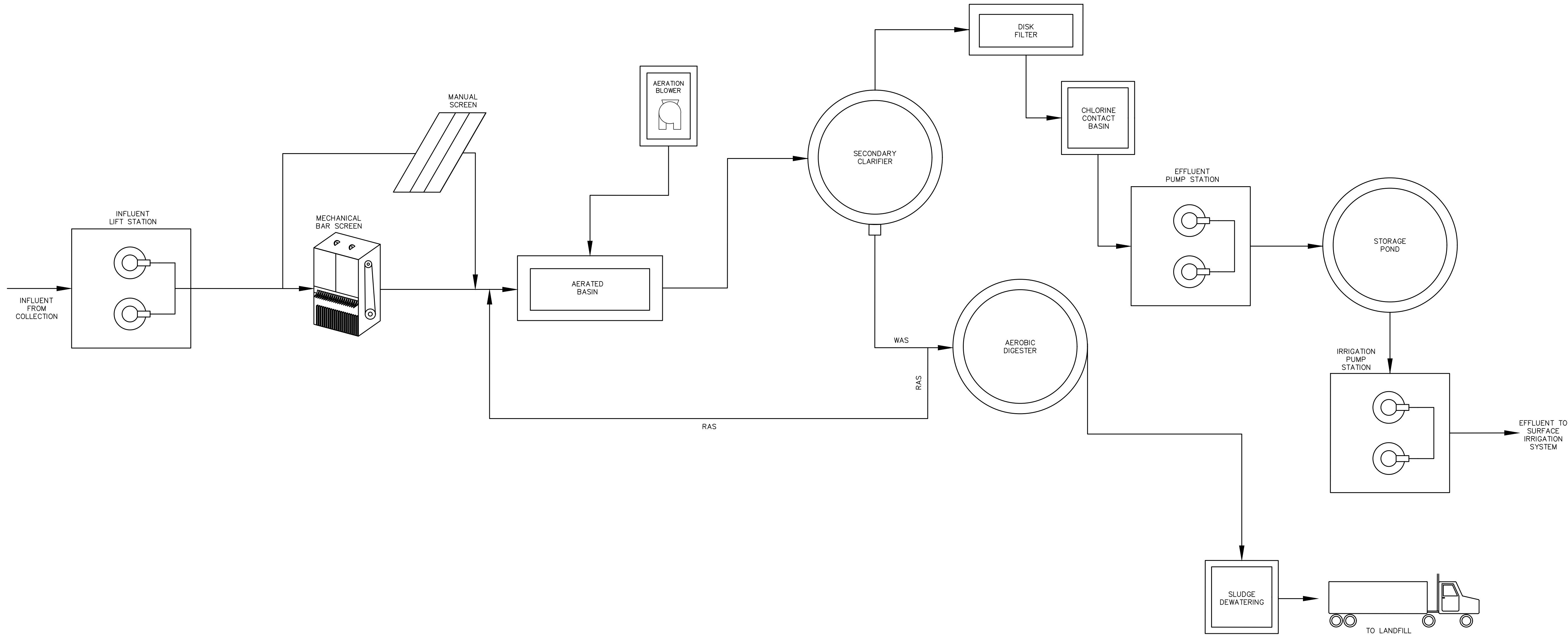
THOMAS RANCH  
BUFFER ZONE MAP  
MARCH 2025

**Kimley»Horn**

5301 Southwest Pkwy, Building 2, Suite 100  
Austin, Texas 78735  
512-646-2237  
State of Texas Registration No. F-928

**Attachment 9**  
Process Flow Diagram

K:\SAU\_MR\069406207\_Thomas Ranch TLAP\CAD\EXHIBITS\Process Flow Diagram.dwg 3/4/2025 1:39 PM



DATE:	MARCH 2025
DESIGN:	IMC
DRAWN:	BU
CHECKED:	IMC
KHA NO.:	069406207

SHEET

PROCESS FLOW  
DIAGRAM

THOMAS RANCH  
WWTP TLAP

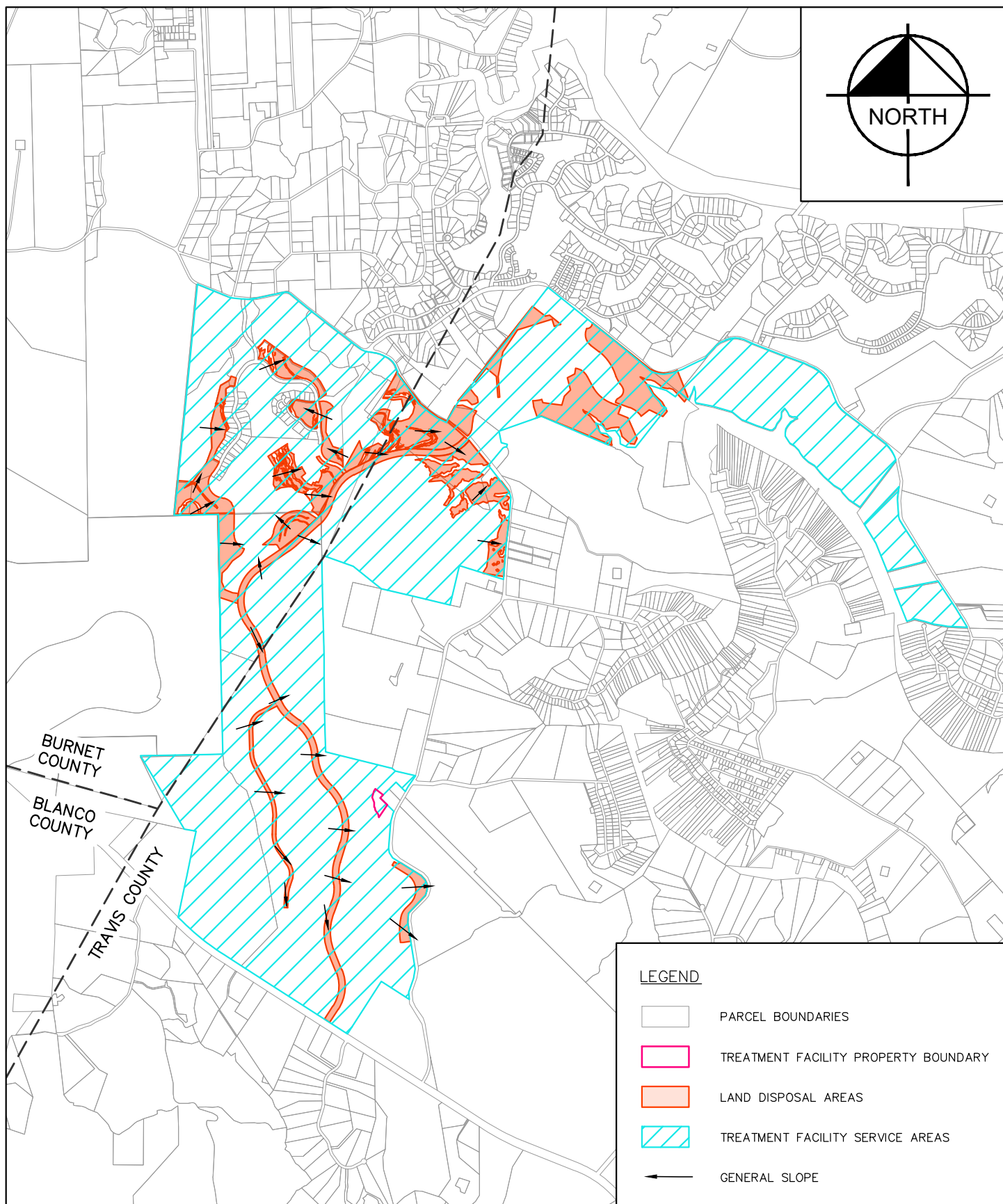
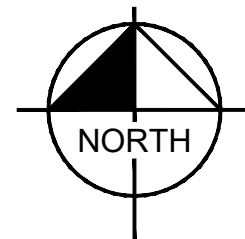
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NOT INTENDED FOR CONSTRUCTION,  
BIDDING, OR PERMIT PURPOSES.  
IAN CLEMENTS P.E.  
SERIAL NO. J26771  
DATE: SEPTEMBER 2024

Kimley»Horn		Firm No. F-028	5301 Southwest Pkwy, Bldg. 3, Suite 100, Austin TX, 78735	P:512-646-2237
No.		Revision	By	Date



## **Attachment 10**

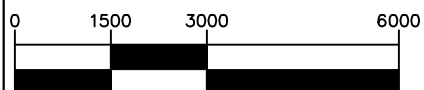
Site Drawing and WWTP Site Plan



#### LEGEND

- PARCEL BOUNDARIES
- TREATMENT FACILITY PROPERTY BOUNDARY
- LAND DISPOSAL AREAS
- TREATMENT FACILITY SERVICE AREAS
- GENERAL SLOPE

GRAPHIC SCALE IN FEET



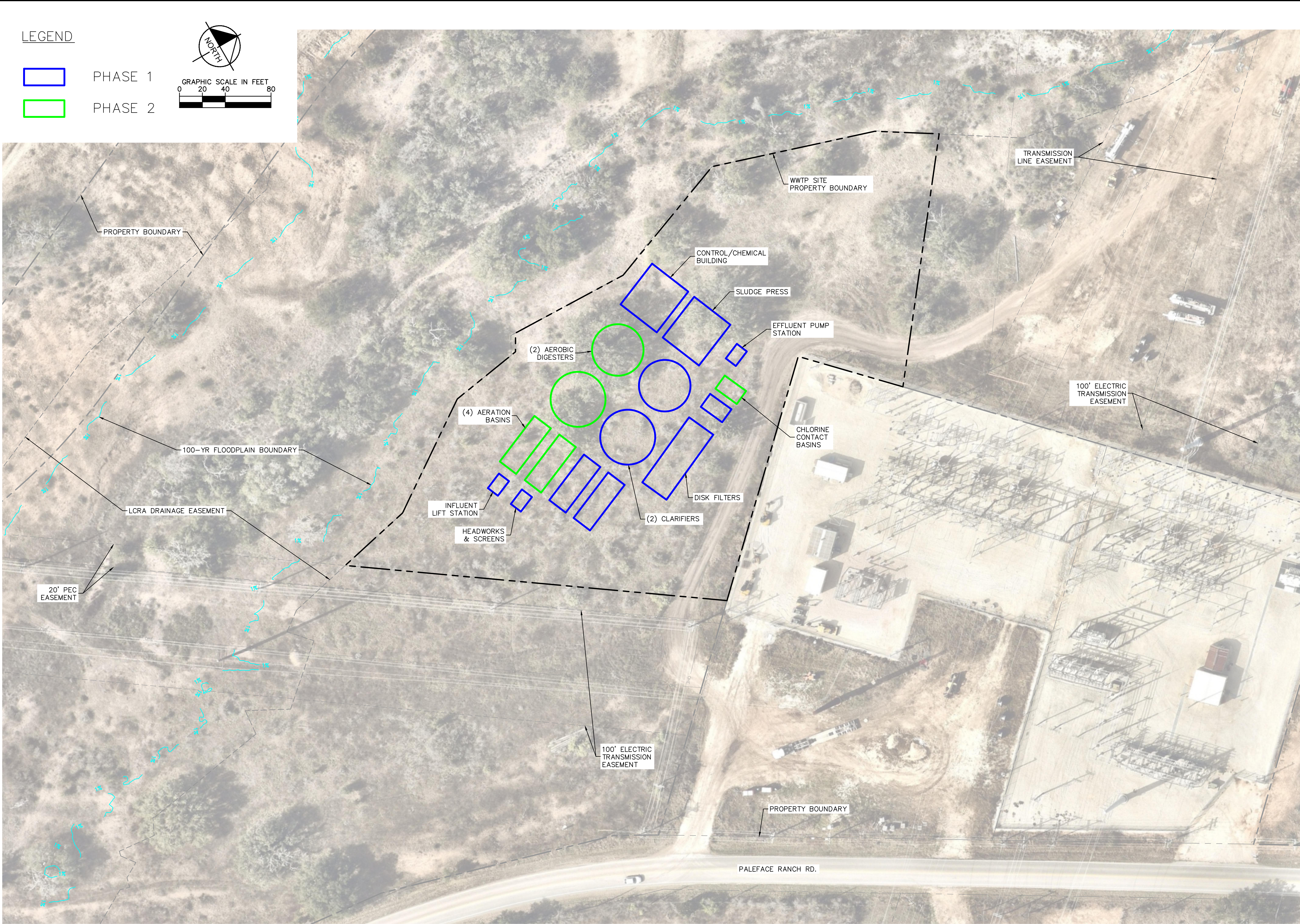
THOMAS RANCH  
SITE DRAWING  
MARCH 2025

**Kimley»Horn**

5301 Southwest Pkwy, Building 2, Suite 100  
Austin, Texas 78735  
512-646-2237  
State of Texas Registration No. F-928



K:\SAU\_WF\069406207\_Thomas Ranch TLAP\CAD\EXHIBITS\20250128\_Site Plan\20250128\_SITE PLAN\_LEG.dwg 3/4/2025 9:05 AM



DATE: FEBRUARY 2025		DESIGN: IMC		DRAWN: BU		CHECKED: IMC		KHA NO.: 069406207	
SHEET									
THOMAS RANCH WWTP TLAP									
WWTP SITE PLAN									
THIS DOCUMENT IS INCOMPLETE AND IS RELEASED TEMPORARILY FOR INTERIM REVIEW ONLY. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.									
Firm No. F-928 5301 Southwest Pkwy, Bldg. 3, Suite 100, Austin TX, 78725 P: 512-646-2237									
Kimley»Horn									
NO. _____									
By _____									
Date _____									
Revision _____									
P.E. _____									
SERIAL NO. 126771									
DATE: SEPTEMBER 2024									



## **Attachment 11**

Design Calculations and Plant Features

## Phase 1

### RAS

\*Design to maintain MLSS concentration in aeration basin between 4,000 mg/L and 10,000 mg/L

\*Calculate RAS rate by using a mass balance of the aeration tank

Influent Design Flow Rate to Aeration Tank ( $Q_0$ )	0.256	MGD	
Influent Peak Flow Rate to Aeration Tank ( $Q_{PEAK}$ )	1.022	MGD	
Mixed Liquor Suspended Solids (X)	4,000	mg/L	per TCEQ 217.157 (d) (2)
Return Activated Sludge Suspended Solids ( $X_R$ )	12,000	mg/L	
Return Sludge Flow at Design Flow (RAS)	0.12775	MGD	
Return Sludge Flow at Peak Flow (RAS)	0.511	MGD	

### Aeration Basins

Design Flow for Aeration Basins	0.38	MGD	per TCEQ §217.153 (b)
Design Sludge Retention Time ( $\theta_A$ )	10	days	
Organic Loading Rate	45	lbBOD <sub>5</sub> /d/1,000 ft <sup>3</sup>	per TCEQ §217.154 (b) (2)
	1000	ft <sup>3</sup>	
Required Minimum Volume	14,206	ft <sup>3</sup>	
Number of Aeration Basins to Add	2		per TCEQ §217.153 (c)
Aeration Basin Length	50	ft	
Aeration Basin Width	14	ft	
Side Water Depth of Aeration Basin	12	ft	
Total Provided Aeration Basin Volume	16,800	ft <sup>3</sup>	
Aeration Basin in Service with Largest Length	50	ft	
Largest Aeration Basin's Side Water Depth	12	ft	
Total Aeration Basin Volume ( $V_R$ )	16,800	ft <sup>3</sup>	
Calculated Oxygen Required	1.63	lbs O <sub>2</sub> / lb BOD <sub>5</sub>	per TCEQ §217.155, Eq F.2
Oxygen Requirement ( $O_2R$ )	2.2	lbs O <sub>2</sub> / lb BOD <sub>5</sub>	Table F.3
Calculated Air Flowrate	2,178	scfm	per TCEQ §217.155, Eq F.4
Clean water transfer efficiency	4%		per TCEQ §217.155
Clean water transfer efficiency adjustment based on diffuser	65%		per TCEQ §217.155
WOTE	3%		per TCEQ §217.155

### WAS

\*Design based on volume of aeration tank

Provided Aeration Basin Volume ( $V_R$ )	0.126	Mgal
Waste Sludge Flowrate from Aeration Basin, Average Flow	0.0125664	MGD
Daily Sludge Production Rate	107,948	lb/d

### Aerobic Digester

% of Volatile Solids (%VS)	80%	
% Volatile Solids Destroyed in Digestion (%VSD)	40%	
MLSS Concentration	20,000	mg/L
Minimum Solids Retention Time (SRT)	40	days
Solids Loading	0.2	lb VSS/ft <sup>3</sup> -d
Digester Percent Solids	2%	
Mass of Influent Solids	639	ppd
Mass of Digested Solids	435	ppd
Average Solids in Digester	537	ppd
Total Solids in Digester Based on SRT	21,479	lb
Minimum Required Digester Volume	17,216	ft <sup>3</sup>
Number of Digester Basins to Add	1	
Digester Basins Diameter	45	ft
Side Water Depth	12	ft
Digester Basin Volume to Add	19,085	ft <sup>3</sup>
Digester Basin Volume to Add	142,757	gal
Total Digester Basin Volume	19,085	

% Volatile Solids Destroyed in Degestion (%VSD)	40%			
Total Mass Reduced	205	lb VSS red/day		
Oxidation of VSS	2.3	kg O <sub>2</sub> /kg VSS		
Oxygen Required	212	kg O <sub>2</sub> /day		
Density of Air	1.204	kg/m <sup>3</sup> @ 20° C		
Volume of Air Required per Day	758	m <sup>3</sup> air/day		
Oxygen Transfer Efficiency	10%			
Air Flow Rate	5.3	m <sup>3</sup> /min		
Air Loading	72.8	ft <sup>3</sup> /min*1000ft <sup>3</sup>		
<i>Solids Generated</i>	100% Flow	75% Flow	50% Flow	25% Flow
Pounds Influent BOD <sub>5</sub> (lb/d)	639	479	320	160
Pounds of Digested Dry Sludge Produced (lb/d)	435	326	217	109
Pounds of Wet Sludge Produced (lb/d)	21,735	16,301	10,867	5,434
Gallons of Wet Sludge Produced (gpd)	2,606	1,955	1,303	652
<i>Secondary Clarifier</i>				
Maximum Overflow Rate @ Peak Flow	1,200	gal/day/ft <sup>2</sup>		
Minimum Detention Time @ Peak Flow	1.8	hours		
Maximum Weir Loading	20,000	gal/day/ft		
Minimum Required Surface Area (Overflow)	852	ft <sup>2</sup>		
Minimum required Surface Area (Detention Time)	1,025	ft <sup>2</sup>		
Minimum Required Weir Length	51	ft		
Number of Clarifiers to Add	1			
Clarifier Diameter	48	ft		
Side Water Depth of Clarifier	10	ft		per TCEQ §217.144 (d)
Total Weir Length	151	ft		
Total Clarifier Surface Area	1,810	ft <sup>2</sup>		
Total Clarifier Volume	18,096	ft <sup>3</sup>		
Clarifier in Service with Largest Diameter	48	ft		
Side Water Depth of Largest Clarifier	10	ft		
Total Surface Area	1,810	ft <sup>2</sup>		
Total Weir Length	151	ft		
Total Volume	18,096	ft <sup>3</sup>		
Detention Time @ Peak Flow	3.1786	hours		
<i>Chlorine Contact Basin</i>				
Minimum Detention Time at Peak Flow	20	min		
Number of Parallel Channels	1			
Width	10	ft		
Depth	10	ft		
Length	23	ft		
Volume	2300	ft <sup>3</sup>		
Total Volume	2300			
Detention Time	24.24046967	min		

## Phase 2

### RAS

\*Design to maintain MLSS concentration in aeration basin between 4,000 mg/L and 10,000 mg/L

\*Calculate RAS rate by using a mass balance of the aeration tank

Influent Design Flow Rate to Aeration Tank ( $Q_0$ )	0.50625	MGD	
Influent Peak Flow Rate to Aeration Tank ( $Q_{PEAK}$ )	2.025	MGD	
Mixed Liquor Suspended Solids (X)	4,000	mg/L	per TCEQ 217.157 (d) (2)
Return Activated Sludge Suspended Solids ( $X_R$ )	12,000	mg/L	
Return Sludge Flow at Design Flow (RAS)	0.253125	MGD	
Return Sludge Flow at Peak Flow (RAS)	1.0125	MGD	

### Aeration Basins

Design Flow for Aeration Basins	0.759375	MGD	per TCEQ §217.153 (b)
Design Sludge Retention Time ( $\theta_A$ )	10	days	
Organic Loading Rate	45	lbBOD <sub>5</sub> /d/1,000 ft <sup>3</sup>	per TCEQ §217.154 (b) (2)

Required Minimum Volume	28,148	ft <sup>3</sup>
-------------------------	--------	-----------------

Number of Aeration Basins to Add	4		per TCEQ §217.153 (c)
Aeration Basin Length	50	ft	
Aeration Basin Width	14	ft	
Side Water Depth of Aeration Basin	12	ft	

Total Provided Aeration Basin Volume ( $V_R$ )	50,400	ft <sup>3</sup>
Aeration Basin in Service with Largest Length	50	ft
Largest Aeration Basin's Side Water Depth	12	ft
Total Aeration Basin Volume ( $V_R$ )	50,400	ft <sup>3</sup>

Calculated Oxygen Required	1.63	lbs O <sub>2</sub> / lb BOD <sub>5</sub>	per TCEQ §217.155, Eq F.2
Oxygen Requirement (O <sub>2</sub> R)	2.2	lbs O <sub>2</sub> / lb BOD <sub>5</sub>	Table F.3
Calculated Air Flowrate	2,805	scfm	per TCEQ §217.155, Eq F.4
Clean water transfer efficiency	4%		per TCEQ §217.155
Clean water transfer efficiency adjustment based on diffuser	65%		per TCEQ §217.155
WOTE	3%		per TCEQ §217.155

### WAS

\*Design based on volume of aeration tank

Provided Aeration Basin Volume ( $V_R$ )	0.377	Mgal
Waste Sludge Flowrate from Aeration Basin, Average Flow	0.0376992	MGD
Daily Sludge Production Rate	323,844	lb/d

### Aerobic Digester

% of Volatile Solids (%VS)	80%	
% Volatile Solids Destroyed in Digestion (%VSD)	40%	
MLSS Concentration	20,000	mg/L
Minimum Solids Retention Time (SRT)	40	days
Solids Loading	0.2	lb VSS/ft <sup>3</sup> -d
Digester Percent Solids	2%	
Mass of Influent Solids	1,267	ppd
Mass of Digested Solids	861	ppd
Average Solids in Digester	1,064	ppd
Total Solids in Digester Based on SRT	42,559	lb
Minimum Required Digester Volume	34,111	ft <sup>3</sup>
Number of Digester Basins to Add	2	
Digester Basins Diameter	45	ft
Side Water Depth	12	ft
Digester Basin Volume to Add	38,170	ft <sup>3</sup>
Digester Basin Volume to Add	285,514	gal
Total Digester Basin Volume	57,256	

428,271

% Volatile Solids Destroyed in Degestion (%VSD)		40%		
Total Mass Reduced		405	lb VSS red/day	
Oxidation of VSS		2.3	kg O <sub>2</sub> /kg VSS	
Oxygen Required		420	kg O <sub>2</sub> /day	
Density of Air		1.204	kg/m <sup>3</sup> @ 20° C	
Volume of Air Required per Day		1502	m <sup>3</sup> air/day	
Oxygen Transfer Efficiency		10%		
Air Flow Rate		10.4	m <sup>3</sup> /min	
Air Loading		72.1	ft <sup>3</sup> /min*1000ft <sup>3</sup>	
<i>Solids Generated</i>	100% Flow	75% Flow	50% Flow	25% Flow
Pounds Influent BOD <sub>5</sub> (lb/d)	1,267	950	633	317
Pounds of Digested Dry Sludge Produced (lb/d)	861	646	431	215
Pounds of Wet Sludge Produced (lb/d)	43,066	32,299	21,533	10,766
Gallons of Wet Sludge Produced (gpd)	5,164	3,873	2,582	1,291
<i>Clarifier</i>				
Maximum Overflow Rate @ Peak Flow		1,200	gal/day/ft <sup>2</sup>	
Minimum Detention Time @ Peak Flow		1.8	hours	
Maximum Weir Loading		30,000	gal/day/ft	
Minimum Required Surface Area (Overflow)		1,688	ft <sup>2</sup>	
Minimum required Surface Area (Detention Time)		1,846	ft <sup>2</sup>	
Minimum Required Weir Length		68	ft	
Number of Clarifiers to Add		2		
Clarifier Diameter		23	ft	
Side Water Depth of Clarifier		11	ft	per TCEQ §217.144 (d)
Total Weir Length		295	ft	
Total Clarifier Surface Area		2,641	ft <sup>2</sup>	
Total Clarifier Volume		47,141	ft <sup>3</sup>	
Clarifier in Service with Largest Diameter		48	ft	
Side Water Depth of Largest Clarifier		10	ft	
Total Surface Area		2,641	ft <sup>2</sup>	
Total Weir Length		295	ft	
Total Volume with Largest Clarifier out of Service		29,046	ft <sup>3</sup>	
Detention Time @ Peak Flow w/ largest clarifier out of service		2.5749	hours	
<i>Chlorine Contact Basin</i>				
Minimum Detention Time at Peak Flow		20	min	
Number of Parallel Channels		1		
Width		10	ft	
Depth		10	ft	
Length		23	ft	
Volume		2300	ft <sup>3</sup>	
Total Volume		4600	ft <sup>3</sup>	
Detention Time		24.46791111	min	



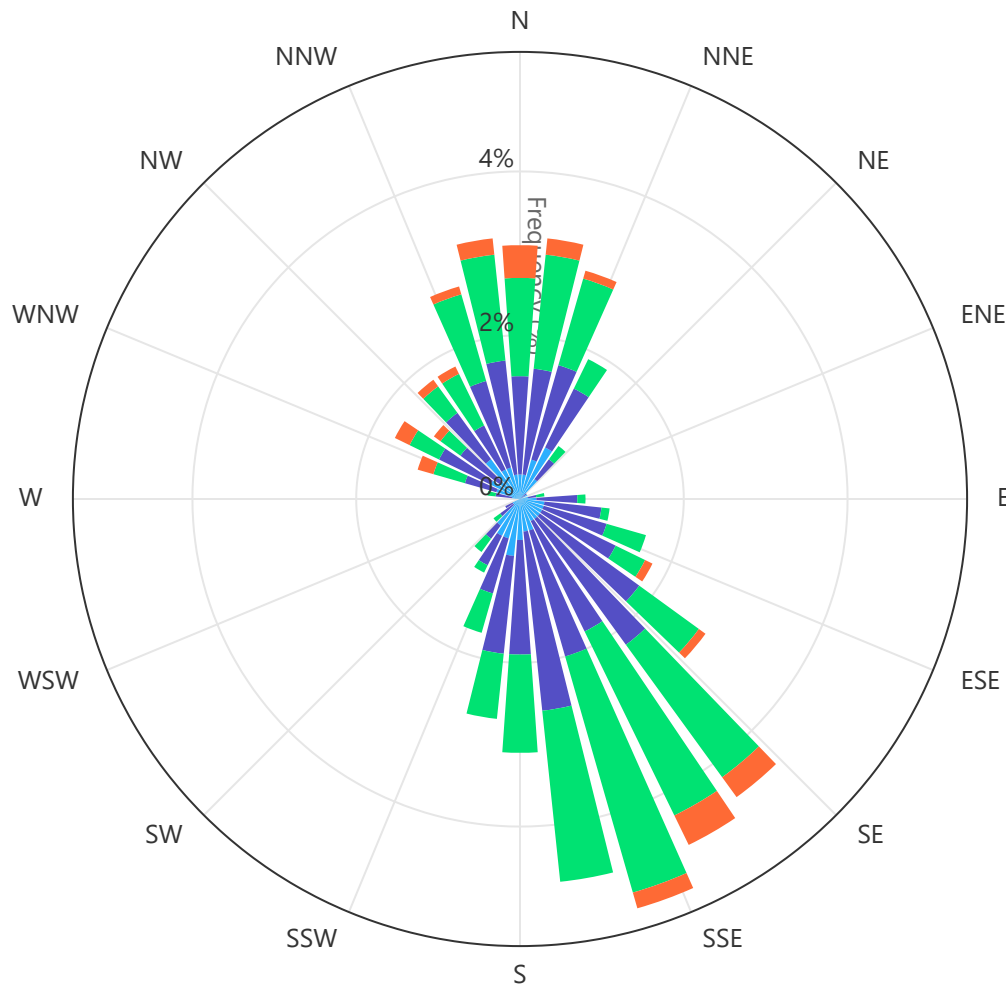
## **Attachment 12**

Wind Rose

# AUSTIN-CAMP MABRY (TX) Wind Rose



January 01, 2024 - February 10, 2025  
Sub-Interval: January 1 - December 31, 0 - 24



## Wind Speed (mph)

- 1.3 - 4
- 4 - 8
- 8 - 13
- 13 - 19
- 19 - 25
- 25 - 32
- 32 - 39
- 39 - 47
- 47 -

Click and drag to zoom

**Attachment 13**  
Solids Management Plan

# Thomas Ranch Wastewater Treatment Plant

## Solids Management Plan

Design Calculations of the Domestic Technical Report 1.1 identifies an influent BOD strength of 300 mg/l. The final design flow capacity of this treatment facility is 0.256 MGD. This corresponds with the removal of 1267 lbs. BOD/day (300 mg/l x 8.34 lbs./gallons x 0.506 MGD). The volatile solids in the sludge are estimated to have no reduction, therefore 100% solids would be remaining.

Biosolids Production						
Percent Permitted Flow	lbs. BOD/Day Removed	Daily Wet Sludge Qty. (lbs @ 2% solids)	Wasted Gal./Day @2% solids	Daily Dewatered Sludge Qty.(lbs @ 25% solids)	Minimum days between trucks (assuming 25% solids)	Daily Bone Dry Sludge Qty (lbs @ 100% solids)
100%	1,267	50,666	6,075	4,053	9	1,013
75%	950	38,000	4,556	3,040	13	760
50%	633	25,332	3,037	2,026	19	507
25%	317	12,667	1,519	1,013	39	253

Assuming influent BOD at average temperatures and 2.0% solids concentration in the Aerobic Digester and at 100% of design flow, sludge would be wasted at 6,075 gallons per day. The total capacity of the proposed aerobic digester basin is 38,170 ft<sup>3</sup>. The digested sludge will be transported by a registered hauler and disposed of at a registered landfill. For the calculations presented here, the volume of each truck was assumed to be 25 cubic yards and the total available weight capacity was assumed as 20 tons.

The aerobic digester is designed to be 45'ø x 12'.

**Attachment 14**  
Pond Liner Certification

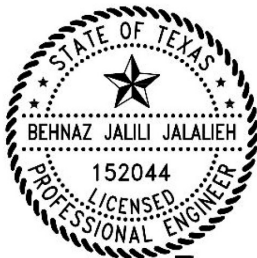
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## Pond Liner Certification

Thomas Ranch WWTP  
Spicewood, Texas

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Domestic Worksheet 3.0, Section 3 requests submittal of a liner certification for each on-site storage or evaporation lagoon/pond. The pond for effluent storage of the Thomas Ranch WWTP has not yet been constructed. The pond liner used for this pond will adhere to *30 TAC Chapters 217 and 309*.



*Behnaz Jalili*

Behnaz Jalili, PhD, P.E.  
KIMLEY-HORN AND ASSOCIATES, INC.  
Texas Firm No. 928

**Attachment 15**  
Annual Cropping Plan

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## Annual Cropping Plan

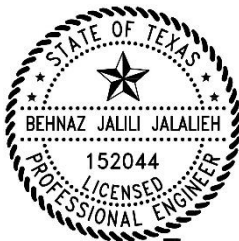
Thomas Ranch WWTP  
Spicewood, Texas

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The existing effluent application areas for this project consist of non-public access surface irrigation TLAP areas. The cropping and maintenance plan for the surface irrigation TLAP areas has consisted of the following: preparing the site and installing surface irrigation TLAP areas, vegetating the site, maintaining cool and warm season grasses, and harvesting the grasses as necessary. The surface irrigation TLAP areas were prepared by removing the existing herbaceous vegetation, grading the field areas to provide a uniform slope, importing and/or placing additional soil where necessary, installing the surface irrigation TLAP areas, and seeding the fields with Bermuda grass. The fields were overseeded with winter ryegrass during the cool season to ensure year-round uptake of water and nutrients. The Bermuda grass grows from March to October. The ryegrass grows from November to February. The fields are part of an active golf course and thus are mowed regularly throughout the year to maintain an appropriate vegetative height to ensure that the grasses are actively growing at all times. There are no specific crop yield goals at this time. Grass clippings are left on the dosing drain fields after mowing. Regular soil testing has shown that the soil is not adversely affected by leaving the clippings and that nutrient levels remain well below threshold levels.

The grasses were fertilized for germination at the time of construction. Fertilization recommendations for the grasses to be used at this site are generally 100-150 lbs/acre of nitrogen. Turf grasses are very salt tolerant, and this site is not expected to develop salinity problems. The grass is only harvested to maintain vigorous growth in the fields. This is done at the discretion of the golf course maintenance superintendent.

Sincerely,



*Behnaz Jalili*

Behnaz Jalili, PhD, PE  
KIMLEY-HORN AND ASSOCIATES, INC.  
Texas Firm No. 928



## **Attachment 16**

### Well Reports

Table 3.0(3) - Water Well Data

Well ID (State Well Number, Tracking Number, Plugging Report Number, etc.)	Well Use	Producing?	Open, Cased, Capped, or Plugged?	Proposed Best Management Practice
87938	Withdrawal of Water			N/A
5739905	Domestic			N/A
5740101	Plugged or Destroyed	No	Plugged	N/A
5740102	Plugged or Destroyed	No	Plugged	N/A
5740104	De-watering			N/A
5740402	Domestic			N/A
5740406	Domestic			N/A
5740407	Public Supply			N/A
5740408	Plugged or Destroyed	No	Plugged	N/A
5740409	Public Supply			N/A
5740410	Unused	No	Plugged	N/A
5740411	Public Supply			N/A
5740412	Public Supply			N/A
5740413	Public Supply			N/A
5740414	Public Supply			N/A
5740415	Domestic			N/A
5740705	Public Supply			N/A
696	Public Supply			N/A
9666	Domestic			N/A
9667	Domestic			N/A
11657	Domestic			N/A
16952	Domestic			N/A
19564	Domestic			N/A
23609	Domestic			N/A
33024	Domestic			N/A
33390	Irrigation			N/A
33759	Domestic			N/A
34017	Domestic			N/A
34418	Domestic			N/A
34419	Domestic			N/A
39388	Domestic			N/A
39460	Domestic			N/A
42279	Domestic			N/A
42280	Domestic			N/A
42870	Domestic			N/A
50739	Domestic			N/A
52638	Domestic			N/A
58488	Domestic			N/A
62952	Domestic			N/A
64164	Domestic			N/A
64169	Domestic			N/A
66308	Domestic			N/A
67465	Domestic			N/A
72623	Domestic			N/A
72645	Domestic			N/A
78808	Domestic			N/A
82004	Domestic			N/A
84738	Domestic			N/A
88585	Domestic			N/A
88588	Domestic			N/A
88589	Domestic			N/A
90499	Domestic			N/A
91343	Domestic			N/A
91533	Domestic			N/A

Well ID (State Well Number, Tracking Number, Plugging Report Number, etc.)	Well Use	Producing?	Open, Cased, Capped, or Plugged?	Proposed Best Management Practice
93629	Domestic			N/A
93632	Domestic			N/A
95931	Domestic			N/A
95936	Domestic			N/A
99843	Domestic			N/A
100952	Domestic			N/A
102754	Domestic			N/A
103092	Domestic			N/A
105073	Domestic			N/A
111526	Domestic			N/A
117473	Domestic			N/A
117475	Domestic			N/A
121336	Domestic			N/A
127312	Domestic			N/A
131575	Domestic			N/A
139600	Domestic			N/A
141907	Domestic			N/A
146397	Domestic			N/A
147063	Domestic			N/A
153340	Domestic			N/A
162929	Domestic			N/A
171112	Domestic			N/A
171128	Domestic			N/A
182186	Domestic			N/A
184974	Domestic			N/A
185363	Domestic			N/A
185366	Domestic			N/A
188861	Domestic			N/A
188862	Domestic			N/A
194388	Domestic			N/A
194390	Domestic			N/A
197486	Domestic			N/A
199176	Domestic			N/A
200198	Irrigation			N/A
200203	Irrigation			N/A
202458	Domestic			N/A
202492	Domestic			N/A
207661	Monitor			N/A
207669	Monitor			N/A
217963	Domestic			N/A
219164	Domestic			N/A
221177	Domestic			N/A
221198	Domestic			N/A
222768	Domestic			N/A
222818	Domestic			N/A
223672	Domestic			N/A
224060	Domestic			N/A
227938	Domestic			N/A
227962	Test Well			N/A
228772	Domestic			N/A
228776	Domestic			N/A
250203	Domestic			N/A
252679	Domestic			N/A
253127	Domestic			N/A
259536	Irrigation			N/A
259543	Irrigation			N/A

Well ID (State Well Number, Tracking Number, Plugging Report Number, etc.)	Well Use	Producing?	Open, Cased, Capped, or Plugged?	Proposed Best Management Practice
261764	Irrigation			N/A
261824	Irrigation			N/A
261828	Irrigation			N/A
268320	Irrigation			N/A
268325	Irrigation			N/A
268472	Irrigation			N/A
270711	Domestic			N/A
272820	Domestic			N/A
273395	Irrigation			N/A
274163	Irrigation			N/A
277354	Domestic			N/A
278643	Domestic			N/A
278921	Domestic			N/A
278922	Domestic			N/A
279161	Domestic			N/A
279444	Domestic			N/A
279590	Domestic			N/A
279911	Domestic			N/A
280188	Domestic			N/A
280190	Domestic			N/A
280192	Domestic			N/A
280197	Domestic			N/A
280364	Domestic			N/A
280863	Domestic			N/A
281349	Irrigation			N/A
281847	Closed-Loop Geothermal			N/A
282444	Irrigation			N/A
283991	Test Well			N/A
286612	Domestic			N/A
293782	Domestic			N/A
293783	Domestic			N/A
298268	Domestic			N/A
304430	Domestic			N/A
304431	Domestic			N/A
309265	Domestic			N/A
314465	Domestic			N/A
316394	Irrigation			N/A
324857	Closed-Loop Geothermal			N/A
342767	Irrigation			N/A
342864	Irrigation			N/A
342868	Irrigation			N/A
342870	Irrigation			N/A
342989	Domestic			N/A
342990	Domestic			N/A
343517	Domestic			N/A
343750	Domestic			N/A
350471	Domestic			N/A
352933	Domestic			N/A
352968	Domestic			N/A
356159	Irrigation			N/A
365692	Domestic			N/A
365693	Domestic			N/A
365694	Domestic			N/A
366269	Irrigation			N/A
369054	Closed-Loop Geothermal			N/A
379880	Domestic			N/A

Well ID (State Well Number, Tracking Number, Plugging Report Number, etc.)	Well Use	Producing?	Open, Cased, Capped, or Plugged?	Proposed Best Management Practice
380214	Test Well			N/A
380217	Test Well			N/A
389265	Domestic			N/A
394995	Domestic			N/A
400260	Domestic			N/A
400701	Test Well			N/A
401733	Domestic			N/A
402044	Domestic			N/A
414548	Domestic			N/A
417990	Test Well			N/A
425170	Domestic			N/A
438698	Domestic			N/A
447531	Domestic			N/A
447537	Domestic			N/A
454576	Domestic			N/A
457629	Domestic			N/A
458570	Domestic			N/A
474708	Domestic			N/A
476156	Domestic			N/A
484790	Unknown			N/A
486560	Unknown			N/A
489225	Domestic			N/A
491869	Domestic			N/A
494592	Domestic			N/A
511022	Domestic			N/A
512967	Domestic			N/A
523352	Domestic			N/A
532030	Domestic			N/A
532031	Domestic			N/A
532132	Domestic			N/A
538042	Domestic			N/A
538512	Domestic			N/A
543926	Domestic			N/A
548603	Domestic			N/A
551973	Domestic			N/A
551966	Domestic			N/A
551963	Domestic			N/A
553035	Domestic			N/A
555318	Domestic			N/A
555931	Unknown			N/A
559779	Domestic			N/A
512433	Public Supply			N/A
560551	Domestic			N/A
563205	Domestic			N/A
564213	Domestic			N/A
571040	Domestic			N/A
586295	Domestic			N/A
595029	Domestic			N/A
600456	Unknown			N/A
603203	Domestic			N/A
603201	Domestic			N/A
610596	Domestic			N/A
616691	Domestic			N/A
628725	Domestic			N/A
629045	Public Supply			N/A
633176	Domestic			N/A

Well ID (State Well Number, Tracking Number, Plugging Report Number, etc.)	Well Use	Producing?	Open, Cased, Capped, or Plugged?	Proposed Best Management Practice
421110	Domestic			N/A
636797	Domestic			N/A
108237	Domestic			N/A
50664	Domestic			N/A
656699	Domestic			N/A
664544	Test Well			N/A
664545	Test Well			N/A
676449	Domestic			N/A
679858	Domestic			N/A
681979	Domestic			N/A
97873	Withdrawal of Water	No	Plugged	N/A
97872	Withdrawal of Water	No	Plugged	N/A
63993	Withdrawal of Water	No	Plugged	N/A
60368	Withdrawal of Water	No	Plugged	N/A
74847	Withdrawal of Water	No	Plugged	N/A
65508	Withdrawal of Water	No	Plugged	N/A
37418	Withdrawal of Water	No	Plugged	N/A
60369	Withdrawal of Water	No	Plugged	N/A
2779	Withdrawal of Water	No	Plugged	N/A
23102	Withdrawal of Water	No	Plugged	N/A
5190	Withdrawal of Water	No	Plugged	N/A
5191	Withdrawal of Water	No	Plugged	N/A
5194	Withdrawal of Water	No	Plugged	N/A
5195	Withdrawal of Water	No	Plugged	N/A
482	Withdrawal of Water	No	Plugged	N/A
106255	Domestic	No	Plugged	N/A
106256	Domestic	No	Plugged	N/A
108916	Domestic	No	Plugged	N/A
123550	Domestic	No	Plugged	N/A
124614	Domestic	No	Plugged	N/A
124928	Domestic	No	Plugged	N/A
125283	Domestic	No	Plugged	N/A
125869	Domestic	No	Plugged	N/A
128251	Test Well	No	Plugged	N/A
133044	Irrigation	No	Plugged	N/A
133045	Irrigation	No	Plugged	N/A
133055	Irrigation	No	Plugged	N/A
147051	Closed-Loop Geothermal	No	Plugged	N/A
151258	Test Well	No	Plugged	N/A
151478	Domestic	No	Plugged	N/A
158605	Test Well	No	Plugged	N/A
180507	Withdrawal of Water	No	Plugged	N/A
187078	Domestic	No	Plugged	N/A
193005	Domestic	No	Plugged	N/A
225402	Domestic	No	Plugged	N/A
226578	Withdrawal of Water	No	Plugged	N/A
240782	Domestic	No	Plugged	N/A
241402	Domestic	No	Plugged	N/A

## WELL SCHEDULE

1. Location: T. 4S, R. 1E, Section 36, Block, Survey, Lat. 30-27-38 Long. 98-05-30  
Hidden Valley near Lake Trails off of Harvie Flat Road  
Barren Creek Lake side

Driller: Associated Drilling Address: Austin

3. Land Surface Elevation: 772 ft. above msl determined by Developer's 2 Ft contour map

4. Drilled: 10-7 19 85; Dug, Cable Tool, Rotary, Air, \_\_\_\_\_

5. Depth: Rept. 400 ft. Meas. \_\_\_\_\_ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. \_\_\_\_\_ Type SUB

No. Stages \_\_\_\_\_, Bowls Diam. \_\_\_\_\_ in., Setting 360 ft.

Column Diam.                  in., Length Tailpipe                  ft.

8. Motor: Mfr. \_\_\_\_\_ Fuel \_\_\_\_\_ HP. \_\_\_\_\_

9. Yield: Flow \_\_\_\_\_ gpm, Pump 100 gpm, Meas., Rept., Est. \_\_\_\_\_ Date 85

10. Performance Test: Date 10-28-85 Length of Test 2 hrs Made by drlr

Static Level 107 ft. Pumping Level \_\_\_\_\_ ft. Drawdown 243 ft.

Production 100 gpm Specific Capacity \_\_\_\_\_ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) \_\_\_\_\_

## Analyses

Date	Laboratory	TDS	Sp Cond
------	------------	-----	---------

Date	Laboratory	TDS	Sp Cond
------	------------	-----	---------

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,

Formation Samples, Geophysical Log(s) \_\_\_\_\_

13. Water Level(s): 107 ft. <sup>rept.</sup><sub>meas.</sub> 10-28 1985 <sup>(approx)</sup><sub>below</sub> CS D which is \_\_\_\_\_ ft. above  
\_\_\_\_\_ ft. <sup>rept.</sup><sub>meas.</sub> \_\_\_\_\_ 19\_\_\_\_ above \_\_\_\_\_ ft. below Land Surface  
\_\_\_\_\_ ft. <sup>rept.</sup><sub>meas.</sub> \_\_\_\_\_ 19\_\_\_\_ above \_\_\_\_\_ ft. below Land Surface

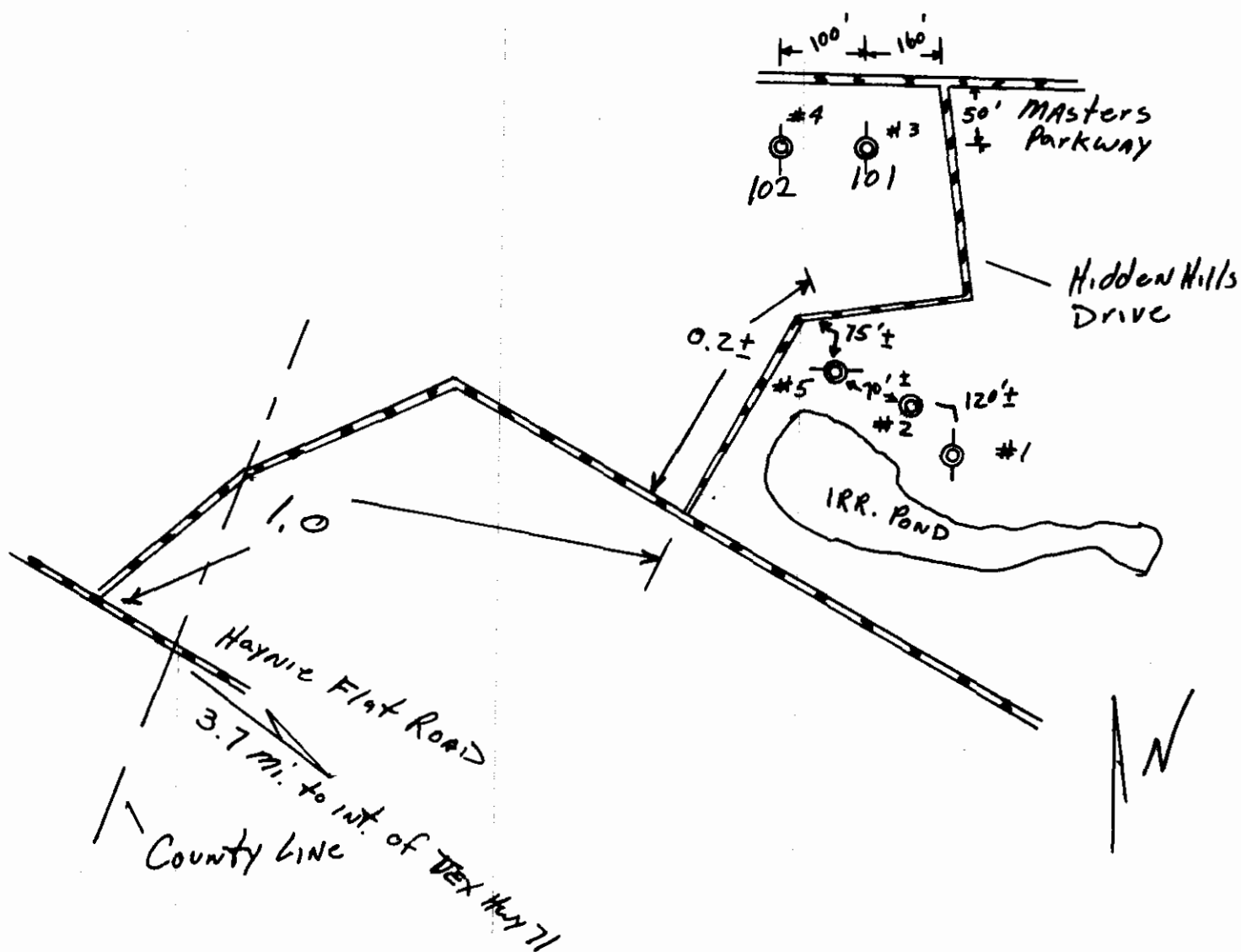
1/14. Use: Dom., Stock, Public Supply, Ind. Irr., Observation, Other (Test Hole, Oil Test, etc.) Not Used

15. Recorded by: J. Derton Source of data: J. Show, DE, tobs Date: 10-13-87

16. Remarks: If Consultant says well will be plugged

**17. Location or Sketch:**

[illegible]



57-40-101



State of  
**WATER WELL REPORT**

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER **THE RANCH ASSOCIATES (3)** Address **PO BOX 19417 JACKSONVILLE FL 32245**  
(Name) (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL:  
County **TRAVIS** **10** miles in **NW** direction from **LAKEWAY**  
(N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_

Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_

Distance and direction from two intersecting section or survey lines \_\_\_\_\_

☒ See attached map.

3) TYPE OF WORK (Check):  
☒ New Well ☐ Deepening  
☐ Reconditioning ☐ Plugging  
4) PROPOSED USE (Check):  
☐ Domestic ☐ Industrial ☐ Public Supply  
☒ Irrigation ☐ Test Well ☐ Other \_\_\_\_\_  
5) DRILLING METHOD (Check):  
☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored  
☒ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other \_\_\_\_\_

6) WELL LOG:  
Date drilled **10-7-85**  
DIAMETER OF HOLE  
Dis. (in.) From (ft.) To (ft.)  
**12 1/2** Surface **400**  
7) BOREHOLE COMPLETION:  
☒ Open Hole ☐ Straight Wall ☐ Underreamed  
☐ Gravel Packed ☐ Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	Dis. (in.)	New or Used	Steel, Plastic, etc. Part., Slotted, etc. Screen Mgt., if commercial	Setting (ft.)	Gage Casing Screen
0	5	FILL					
5	10	CALICHE					
10	45	GRAY CLAY & SHALE	8 5/8	N	STEEL	0	400
45	105	TAN LIMESTONE					
105	115	BLUE CLAY			W/ SLOTS	120	320
115	120	YELLOW LIMESTONE & SANDSTONE					
120	175	GRAY LIMESTONE					
175	200	RED CLAY W/ GRAVEL					
200	225	GRAVEL					
225	250	SAND					
250	325	SAND & CLAY					
325	375	GRAY SHALE & SAND					
375	400	CLAY					

8) CEMENTING DATA [Rule 319.44(b)]  
Cemented from **0** ft. to **120** ft.  
\_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Method used **PRESSURE**  
Cemented by **ADC**  
10) SURFACE COMPLETION  
☒ Specified Surface Slab Installed [Rule 319.44(c)]  
☐ Pitless Adapter Used [Rule 319.44(d)]  
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
Static level **107** ft. below land surface Date **10-28-85**  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type **BURLAP** Depth **120**

13) TYPE PUMP:  
☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder  
☐ Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., **360** ft.

15) WATER QUALITY:  
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No  
If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? **BOSSION** Depth of strata \_\_\_\_\_  
Was a chemical analysis made? ☐ Yes ☒ No  
14) WELL TESTS:  
Type Test: ☒ Pump ☐ Bailor ☐ Jetted ☐ Estimated  
Yield: **100** gpm with **243** ft. drawdown after **2** hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the logs being returned for completion and resubmittal.

COMPANY NAME **ASSOCIATED DRILLING** Water Well Driller's License No. **1935**  
(Type or Print)  
ADDRESS **4431 LOCKSINGER LN** **AUSTIN** **TEXAS** **78745**  
(Street or RFD) (City) (State) (Zip)  
(Signed) **Byron Bennett** (Signed) \_\_\_\_\_  
(Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.  
For TDWR use only  
Well No. **87-40-488**  
Located on map **YES**

## TEXAS WATER DEVELOPMENT BOARD

## WELL SCHEDULE

Aquifer Ky

Field No. \_\_\_\_\_

State Well No. 57-40-406

Owner's Well No. \_\_\_\_\_

County Travis1. Location: 1/4, 1/4 Sec. \_\_\_\_\_, Block \_\_\_\_\_, Survey \_\_\_\_\_2. Owner: H.E. NaumannAddress: Box 513, Marble Falls, Tex.

Tenant: \_\_\_\_\_

Address: \_\_\_\_\_

Driller: Central Texas Drilling Co.Address: Austin, Tex.3. Elevation of LSD is 840 ft. above msl. determined by 2 1/2 tape4. Drilled: 9/30/67; Dug, Cable Tool, Rotary 64" Hole5. Depth: Rept. 81 ft. Meas. \_\_\_\_\_ ft.

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfg. \_\_\_\_\_

Type \_\_\_\_\_

No. Stages \_\_\_\_\_, Bowl Diam. \_\_\_\_\_ in., Setting \_\_\_\_\_ ft.

Column Diam. \_\_\_\_\_ in., Length Tailpipe \_\_\_\_\_ ft.

8. Motor: Fuel \_\_\_\_\_ Make &amp; Model \_\_\_\_\_ HP \_\_\_\_\_

9. Yield: Flow \_\_\_\_\_ gpm, Pump \_\_\_\_\_ gpm, Meas., Rept., Est. \_\_\_\_\_

10. Performance Test: Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Made by \_\_\_\_\_

Static Level \_\_\_\_\_ ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft.

Production \_\_\_\_\_ gpm Specific Capacity \_\_\_\_\_ gpm/ft.

11. Water Level: 55 ft. rept. 9/30/67 above LSDUTM ft. rept. 2/17 1971 above well sealed\_\_\_\_\_ ft. rept. \_\_\_\_\_ above \_\_\_\_\_\_\_\_\_\_ ft. rept. \_\_\_\_\_ below \_\_\_\_\_\_\_\_\_\_ ft. rept. \_\_\_\_\_ above \_\_\_\_\_\_\_\_\_\_ ft. rept. \_\_\_\_\_ below \_\_\_\_\_12. Use: Dom. Stock, Public Supply, Ind., Irr., Waterflooding, Observation, Not Used, \_\_\_\_\_

13. Quality: (Remarks on taste, odor, color, etc.) \_\_\_\_\_

Temp. 72 °F, Date sampled for analysis 2/17/71 Laboratory TSHD

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

Temp. \_\_\_\_\_ °F, Date sampled for analysis \_\_\_\_\_ Laboratory \_\_\_\_\_

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log,Formation Samples, Pumping Test, D-log See Back15. Record by: R. Bluntzer Date 5/1 1968Source of Data WW Rept.

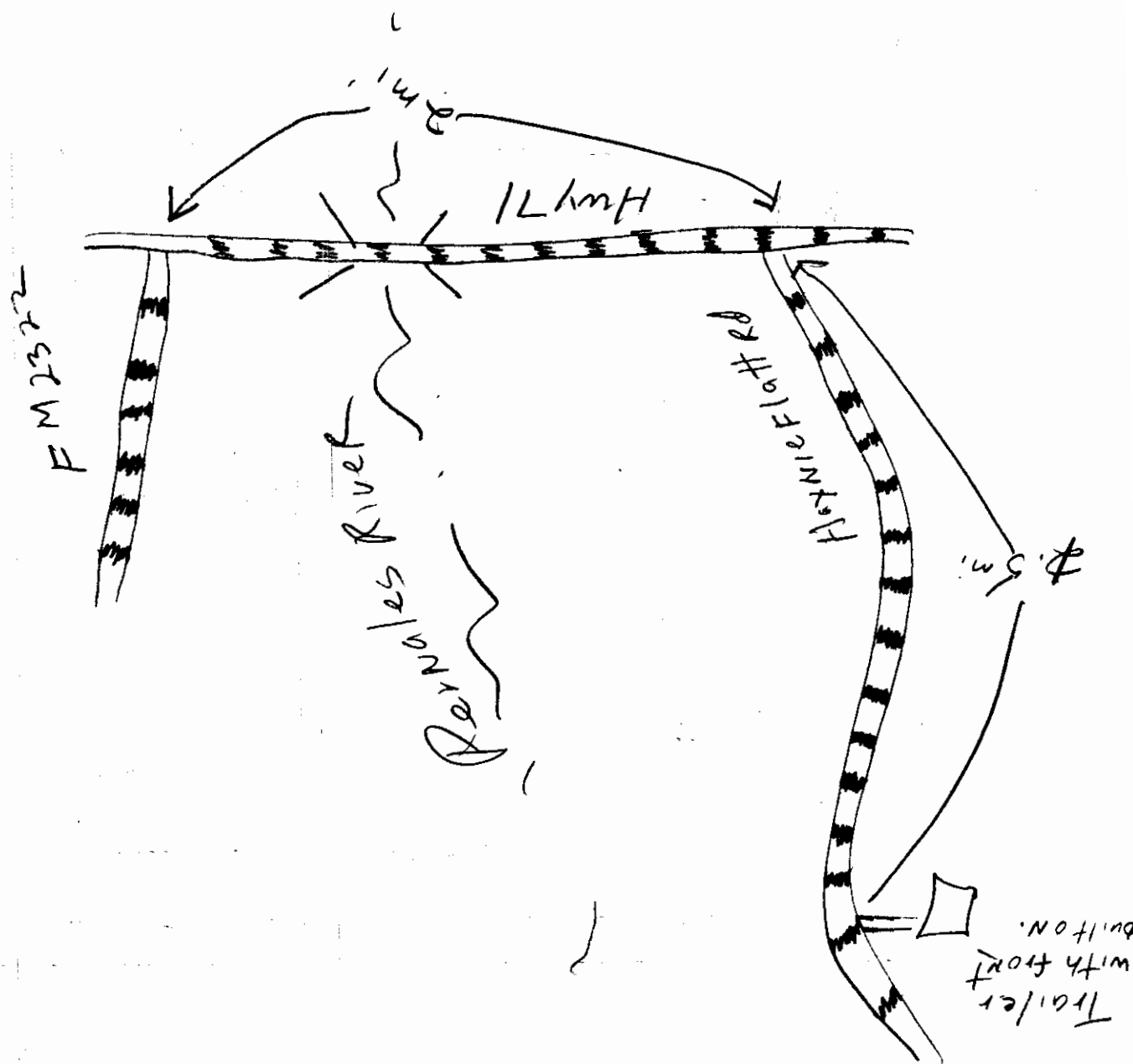
16. Remarks: \_\_\_\_\_

CASINO & BLANK PIPE			
Cemented From _____ ft. to _____ ft.			
Diam. (in.)	Type	Setting, ft.	
		from	to
4	Plastic	0	80

WELL SCREEN			
Screen Openings			
Diam. (in.)	Type	Setting, ft.	
		from	to
4	Plastic Perforated	61	80

14.1 [21/10/25-00]

0-5 Red clay  
5-18 Shale  
18-26 Red + blue clay  
26-40 Shale  
40-81 Sandstone



Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711	State of Texas  <b>WATER WELL REPORT</b>	For TWDB use only Well No. _____ Located on map _____ Received: _____ Form GW 8 _____ Form GW 9 _____
---	--	--

1) OWNER:  
 Person having well drilled H.E. Naumann Address Box 513 Marble Falls, Texas  
(Name) (Street or RFD) (City) (State)  
 Landowner Same Address \_\_\_\_\_  
(Name) (Street or RFD) (City) (State)

2) LOCATION OF WELL:  
 County Travis Labor \_\_\_\_\_ League \_\_\_\_\_ Abstract No. \_\_\_\_\_  
 NW  $\frac{1}{4}$  NE  $\frac{1}{4}$  SW  $\frac{1}{4}$  SE  $\frac{1}{4}$  of Section \_\_\_\_\_ Block No. \_\_\_\_\_ Survey \_\_\_\_\_  
(Circle as many as are known)  
 miles in \_\_\_\_\_ direction from \_\_\_\_\_  
(NE, SW, etc.) (Town)

NORTH  
↑

Sketch map of well location with distances from adjacent section or survey lines, and to landmarks, roads, and creeks.

3) TYPE OF WORK (Check): New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging <input type="checkbox"/>	4) PROPOSED USE (Check): Domestic <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Other <input type="checkbox"/>	5) TYPE OF WELL (Check): Rotary <input checked="" type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Cable <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/>
--	--	--

6) WELL LOG:  
 Diameter of hole 6 1/4 in. Depth drilled 81 ft. Depth of completed well 81 ft. Date drilled 9/30/67  
 All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material	From (ft.)	To (ft.)	Description and color of formation material
0	5	Red clay			
5	18	Shale			
18	26	Red & blue clay			
26	40	Shale			
40	81	Sand stone			

(Use reverse side if necessary)

7) COMPLETION (Check): Straight well <input type="checkbox"/> Gravel packed <input type="checkbox"/> Other <input type="checkbox"/> Under reamed <input type="checkbox"/> Open hole <input type="checkbox"/>	8) WATER LEVEL: Static level <u>55</u> ft. below land surface Date <u>9/30/67</u> Artesian pressure _____ lbs. per square inch Date _____
--	---

9) CASING: Type: old <input type="checkbox"/> New <input type="checkbox"/> Steel <input type="checkbox"/> Plastic <input checked="" type="checkbox"/> Other <input type="checkbox"/> Cemented from _____ ft. to _____ ft.	10) SCREEN: Type <u>Plastic</u> Perforated <input type="checkbox"/> Slotted <input type="checkbox"/>
---	--

Diameter (inches)	Setting		Cage	Diameter (inches)	Setting		Slot size
	From (ft.)	To (ft.)			From (ft.)	To (ft.)	
4"	0	80		6 1/4	80	11/64	

11) WELL TESTS: Was a pump test made? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes by whom? _____ Yield: _____ gpm with _____ ft. drawdown after _____ hrs Bailor test _____ gpm with _____ ft. drawdown after _____ hrs Artesian flow _____ gpm Date _____ Temperature of water _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input type="checkbox"/> No Did any strata contain undesirable water? <input type="checkbox"/> Yes <input type="checkbox"/> No Type of water? _____ depth of strata _____	12) PUMP DATA: Manufacturer's Name _____ Type _____ H.P. _____ Designed pumping rate _____ gpm <input type="checkbox"/> gpb <input type="checkbox"/> Type power unit _____ Depth to bowls, cylinder, jet, etc., _____ ft. below land surface.
--	--

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Forrest S. Tatum Water Well Drillers Registration No. 534  
(Type or Print)

Address P.O. Box 1527 Austin, Texas  
(Street or RFD) (City) (State)

(Signed) Forrest S. Tatum Central Texas Drilling Co.  
(Water Well Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

YD57-40-406  
✓

TWDGE-GW ONLY

Program No. 7421

Proj. No. \_\_\_\_\_

## CHEMICAL WATER ANALYSIS REPORT

Typewrite (Black ribbon) or Print Plainly  
(soft pencil or black ink)  
Do not use ball point pen

Texas State Department of Health Laboratories  
1100 West 49th Street  
Austin 5, Texas

Send report to:

Ground Water Division  
Texas Water Development Board  
P.O. Box 13087  
Austin, Texas 78711

County TRAVIS  
State Well No. 57-40-406

Well No. \_\_\_\_\_

Date Collected 2/17/71

By \_\_\_\_\_

Location ON Haynie Flatt Rd 2mi W. of Paleface ParkSource (type of well) Subm Elec Owner H.E. NAUMANDate Drilled 9/30/67 Depth 81 ft. WEF \_\_\_\_\_Producing intervals 80-81 Water level at 9' well sealed ft.Sampled after pumping 5 min hrs. Yield \_\_\_\_\_ GPM meas. est. Temperature 72 °F °CPoint of collection fauet near well Appearance clear - turbid - coloredUse Dom Remarks \_\_\_\_\_

FOR LABORATORY USE ONLY

KEY PUNCHED

CHEMICAL ANALYSIS

184132 W

FEB 19 1971

MAR - 4 1971

Laboratory No. \_\_\_\_\_ Date Received \_\_\_\_\_ Date Reported \_\_\_\_\_

	MG/L	ME/L		MG/L	ME/L
Silica	<u>15</u>		Carbonate		<u>0</u>
Calcium	<u>68</u>	<u>3.39</u>	Bicarbonate	<u>403</u>	<u>6.60</u>
Magnesium	<u>46</u>	<u>3.79</u>	Sulfate	<u>40</u>	<u>0.83</u>
Sodium	<u>16</u>	<u>0.71</u>	Chloride	<u>15</u>	<u>0.41</u>
Total		<u>7.89</u>	Fluoride	<u>0.6</u>	
			Nitrate	<u>1.8</u>	

☐ Potassium \_\_\_\_\_☐ Manganese \_\_\_\_\_ %Na \_\_\_\_\_☐ Boron \_\_\_\_\_ BAR \_\_\_\_\_☐ Total Iron \_\_\_\_\_ REC \_\_\_\_\_☐ (other) \_\_\_\_\_Specific Conductance (micromhos/cm<sup>3</sup>) 657Diluted Conductance (micromhos/cm<sup>3</sup>) 5 x 150"□" items will be analyzed if checked. 750

Total Iron requires separate sample.

pH 7.4 Total 7.841/ Dissolved Solids (sum) 401Phenolphthalein Alkalinity as C aCO<sub>3</sub> 0Total Alkalinity as C aCO<sub>3</sub> (6.60) 330Total Hardness as C aCO<sub>3</sub> (7.18) 359

Analyst \_\_\_\_\_

Checked by \_\_\_\_\_

1/ The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.

## WELL SCHEDULE

1. Location: T., 1, Section 1, Block 1, Survey 1, Lat. 41° 15' N, Long. 108° 15' W  
Hidden Hills near Lake Travis off of Hwy 147 Road.

4. Drilled: 7-13 1985; Dug, Cable Tool, Rotary, Air,

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr.	Type	Sub	(In.)	from	to
---------------	------	-----	-------	------	----

No. Stages \_\_\_\_\_, Bowls Diam. \_\_\_\_\_ in., Setting 360 ft.

Column Diam.	in., Length Tailpipe	ft.	8 7/8	Steel	0	900
--------------	----------------------	-----	-------	-------	---	-----

B. Motor: Mfr.	Fuel	HP.	"	slotted	120	320
----------------	------	-----	---	---------	-----	-----

9. Yield: Flow \_\_\_\_\_ gpm, Pump 50 gpm Meas, Rept., Est. \_\_\_\_\_ Date 85

10. Performance Test: Date 10-9-85 Length of Test 48 hrs Made by d.r.

Static Level / 25 ft. Pumping Level ft. Drawdown 225 ft.

Production	50 gpm	Specific Capacity	gpm/ft.				
------------	--------	-------------------	---------	--	--	--	--

11. Quality: (Remarks on taste, odor, color, etc.)				
--	--	--	--	--

Analyses				

Date	Laboratory	TDS	Sp Cond

Date	Laboratory	TDS	Sp Cond

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log.

Formation Samples, Geophysical Log(s) \_\_\_\_\_

13. Water level(s): 125 ft. rept. 10.9 <sup>(1/10)</sup> 85 above (SD) which is        ft. above        Land Surface

6. rept.	10	above	which is	ft	above land surface
----------	----	-------	----------	----	--------------------

214. Use: Dem. Stock Public Supply Ind. Ins. Observation Other (Test Hole Oil Test etc.) *Not Used*

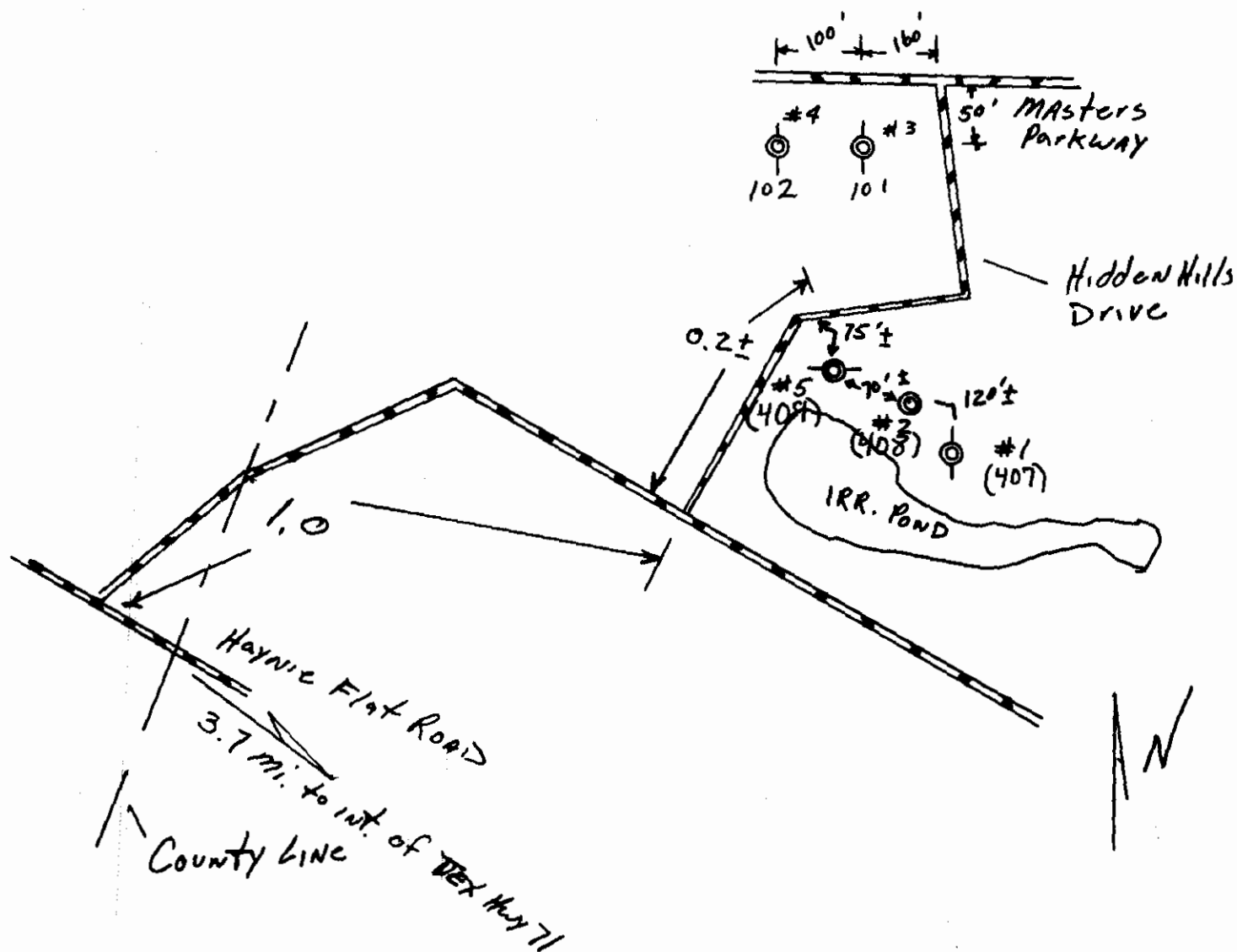
15. Recorded by: J. Dertou Source of data: Lim Shaw DL + obs Date: 10-13-87

16. Remarks: 11 specimens drilled to 300' decreased to 400' 9-21-85

2) Consultant says well will be plugged. Two other test holes were drilled: location unknown.

17. Location or Sketch:

[illegible]



57-40-407

Please use this form by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of  
**WATER WELL REPORT**

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

1) OWNER THE RANCH TEST WELL #2 Address 6120 HWY 290 WEST AUSTIN TX 78735  
(Name) (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL: County TRAVIS 15 miles in NW direction from AUSTIN  
(Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description: Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_

☒ See attached map map on 57-40-4AA

3) TYPE OF WORK (Check):

☒ New Well ☐ Deepening  
☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):

☐ Domestic ☐ Industrial ☐ Public Supply  
☐ Irrigation ☒ Test Well ☐ Other \_\_\_\_\_

5) DRILLING METHOD (Check):

☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored  
☒ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other \_\_\_\_\_

6) WELL LOG:

DIAMETER OF HOLE  
Dia. (in.) From (ft.) To (ft.)  
16 Surface 6  
8 1/2 6 300

Date drilled 7-13-85

7) BOREHOLE COMPLETION:

☒ Open Hole ☐ Straight Wall ☐ Underreamed  
☐ Gravel Packed ☐ Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From To Description and color of formation material  
(ft.) (ft.)

0	2	TOPSOIL
2	50	LIMESTONE WITH CLAY
50	125	LIMESTONE CLAY AND FLINT
125	175	FRACTURED LIMESTONE WITH SAND (WATER BEARING STRATA)
175	260	LIMESTONE MIXED WITH CLAY AND SHALE
260	280	BROKEN LIMESTONE (WATER BEARING STRATA)
280	300	LIMESTONE

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen
			From	To	
14	N	STEEL	0	6	40

9) CEMENTING DATA [Rule 319.44(b)]

Cemented from 0 ft. to 6 ft.  
ft. to \_\_\_\_\_ ft.  
Method used HAND  
Cemented by ADC

10) SURFACE COMPLETION

☒ Specified Surface Slab Installed [Rule 319.44(c)]  
☐ Pitless Adapter Used [Rule 319.44(d)]  
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:

Static level 110 ft. below land surface Date 7-13-85  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type Depth

BURLAP 6'

13) TYPE PUMP:

☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder  
☐ Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., 185 ft.

14) WELL TESTS:

Type Test: ☒ Pump ☐ Bailor ☐ Jetted ☐ Estimated  
Yield: 50 gpm with 7.5 ft. drawdown after 1 hrs.

15) WATER QUALITY:

Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No  
If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? HOSSTON Depth of strata \_\_\_\_\_  
Was a chemical analysis made? ☐ Yes ☒ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME ASSOCIATED DRILLING CO  
(Type or Print)

Water Well Driller's License No. 1955

ADDRESS 4431 LUCKSINGER LN  
(Street or RFD)

AUSTIN  
(City)

TEXAS  
(State)

78745  
(Zip)

(Signed) Bryan Benoit  
(Licensed Water Well Driller)

(Signed) \_\_\_\_\_  
(Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only  
Well No. 57-40-4AA  
Located on map TA56-E-5



Send or copy by  
certified mail to the  
Texas Department of Water Resources  
P. O. Box 13087  
Austin, Texas 78711

State of TX  
**WATER WELL REPORT**

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER THE RANCH ASSOCIATES (2) Address PO BOX 19417 JACKSONVILLE FL 32245  
(Name) (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL: 10 miles in NW direction from LAKEWAY  
County TRAVIS (N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:  
Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_

☒ See attached map.

3) TYPE OF WORK (Check):  
☒ New Well ☐ Deepening  
☐ Reconditioning ☐ Plugging  
4) PROPOSED USE (Check):  
☐ Domestic ☐ Industrial ☐ Public Supply  
☒ Irrigation ☐ Test Well ☐ Other \_\_\_\_\_  
5) DRILLING METHOD (Check):  
☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored  
☒ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other \_\_\_\_\_

6) WELL LOG:  
Date drilled 10-4-85  
DIAMETER OF HOLE  
Dia. (in.) From (ft.) To (ft.)  
12 1/2 Surface 400  
7) BOREHOLE COMPLETION:  
☒ Open Hole ☐ Straight Well ☐ Underreamed  
☐ Gravel Packed ☐ Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)	Gage Casing Screen
0	60	CALICHE					
60	85	GRAY SHALE/CLAY					
85	100	TAN CLAY & SAND	8 5/8	N	STEEL	0 235	40
100	112	BLUE CLAY					
112	120	RED CLAY			W/ SLOTS	125 235	
120	175	BROWN CLAY AND SAND W/ PEA GRAVEL					
175	205	TAN LIMESTONE					
205	245	YELLOW-TAN PEA GRAVEL					
245	300	BLUE CLAY AND SHALE					
300	400	GRAY LIMESTONE					

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)	Gage Casing Screen
8 5/8	N	STEEL	0 235	40
		W/ SLOTS	125 235	

9) CEMENTING DATA [Rule 319.44(b)]  
Cemented from 0 ft. to 120 ft.  
ft. to \_\_\_\_\_ ft.  
Method used PRESSURE  
Cemented by ADC

10) SURFACE COMPLETION  
☒ Specified Surface Slab Installed [Rule 319.44(c)]  
☐ Pitless Adapter Used [Rule 319.44(d)]  
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
Static level 130 ft. below land surface Date 10-11-85  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type Depth  
BURLAP 120

13) TYPE PUMP:  
☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder  
☐ Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., 240 ft.

14) WELL TESTS:  
Type Test: ☒ Pump ☐ Bailer ☐ Jetted ☐ Estimated  
Yield: 250 gpm with 45 ft. drawdown after 48 hrs.

15) WATER QUALITY:  
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No  
If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? ROSSION Depth of strata \_\_\_\_\_  
Was a chemical analysis made? ☐ Yes ☒ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME ASSOCIATED DRILLING Water Well Driller's License No. 1955  
(Type or Print)  
ADDRESS 4431 LUCKSINGER LN AUSTIN TEXAS 78745  
(Street or RFD) (City) (State) (Zip)  
(Signed) Byron Benoit (Signed) \_\_\_\_\_  
(Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TOWR use only  
Well No. 57-40-188  
Located on map YES MUS

Facility: Barton Creek - Lakeside  
Location: Well #2 407

Date: 8/5/93

**WELL PUMP DATA**

Manufacturer:	Goulds	Serial #:	N/A
Bowl Type:	275-H	Stages:	N/A
Column Size:	4"	Setting:	241 feet
Design Point:	N/A		

**MOTOR DATA**

Manufacturer:	Franklin	Serial #:	N/A
Horsepower:	30	Frame:	N/A
Amps/Volts:	N/A	RPM:	3450

**PERFORMANCE TEST DATA**

Static Level (ft)	119
10 Min Static	
Operating Pressure	4
Capacity (GPM)	99
Pumping Level (ft)	184
Drawdown (ft)	65
Specific Capacity	1.5
Field Head (ft)	193
Water Horsepower	4.8
Overall Eff.	24.89%
Horsepower Input	19.4
Kilowatt Input	14.5
Amp Draw	20-25-21
Actual Shaft Speed (RPM)	N/A
Sand (PPM)	< 1
Time (min)	60

**ADDITIONAL DATA**

Pump Submergence (ft)	57	Meter Accuracy	103.0%
KWH/Million Gallons	2441	HP Utilization	58.9%
Start-up Sand (PPM)	< 1	Airline Functional	N/A

Remarks: Flowmeter registers 102 GPM at 4 PSI discharge pressure.

57-40-407

## WELL SCHEDULE

1. Location: T. 1, S. 1, Section 1, Block 1, Survey 1, Lat. 34° 15' N, Long. 101° 15' W  
Hidden Valley near Lake Travis off of Haynie Flat Road  
Barton Creek Lake Side

Tenant (other): \_\_\_\_\_ Address: \_\_\_\_\_

3. Land Surface Elevation: 786 ft. above msl determined by Developer's 2 Ft contour MAP

5. Depth: Rept. <b>400</b> ft. Meas.	ft.	CASING, BLANK PIPE & WELL SCREEN
--------------------------------------	-----	----------------------------------

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr.	Type	Sub	(in.)	from	to

No. Stages	, Bowls Diam.	in., Setting	336	ft.	878	Steel	0	700
------------	---------------	--------------	-----	-----	-----	-------	---	-----

Column Diam.	in., Length Tailpipe	ft.	"	Slotted	125	400
--------------	----------------------	-----	---	---------	-----	-----

8. Motor: Mfr.	Fuel	E/cc	HP.				
----------------	------	------	-----	--	--	--	--

9. Yield: Flow gpm, Pump 200 gpm, Meas., Rept., Est. Date 86

10. Performance Test: Date 6-12-86 Length of Test 36 hrs Made by Dr. Ir

Static Level 30 ft. Pumping Level \_\_\_\_\_ ft. Drawdown 45 ft.

Production	200	gpm	Specific Capacity		gpm/ft.
------------	-----	-----	-------------------	--	---------

11. Quality: (Remarks on taste, odor, color, etc.)				
--	--	--	--	--

Analyses				

Date	Laboratory	TDS	Sp Cond

Date	Laboratory	TDS	Sp Cond				

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,

Formation Samples, Geophysical Log(s) \_\_\_\_\_

13. Water Level(s): 130 ft. rent. 6-12 1986 above below which is        ft. above below Land Surface

----- 117.50 ft. <sup>rep.</sup><sub>meas.</sub> 10-1 19 87 above Hole 1 mps which is 2 ft. <sup>above</sup><sub>below</sub> Land Surface

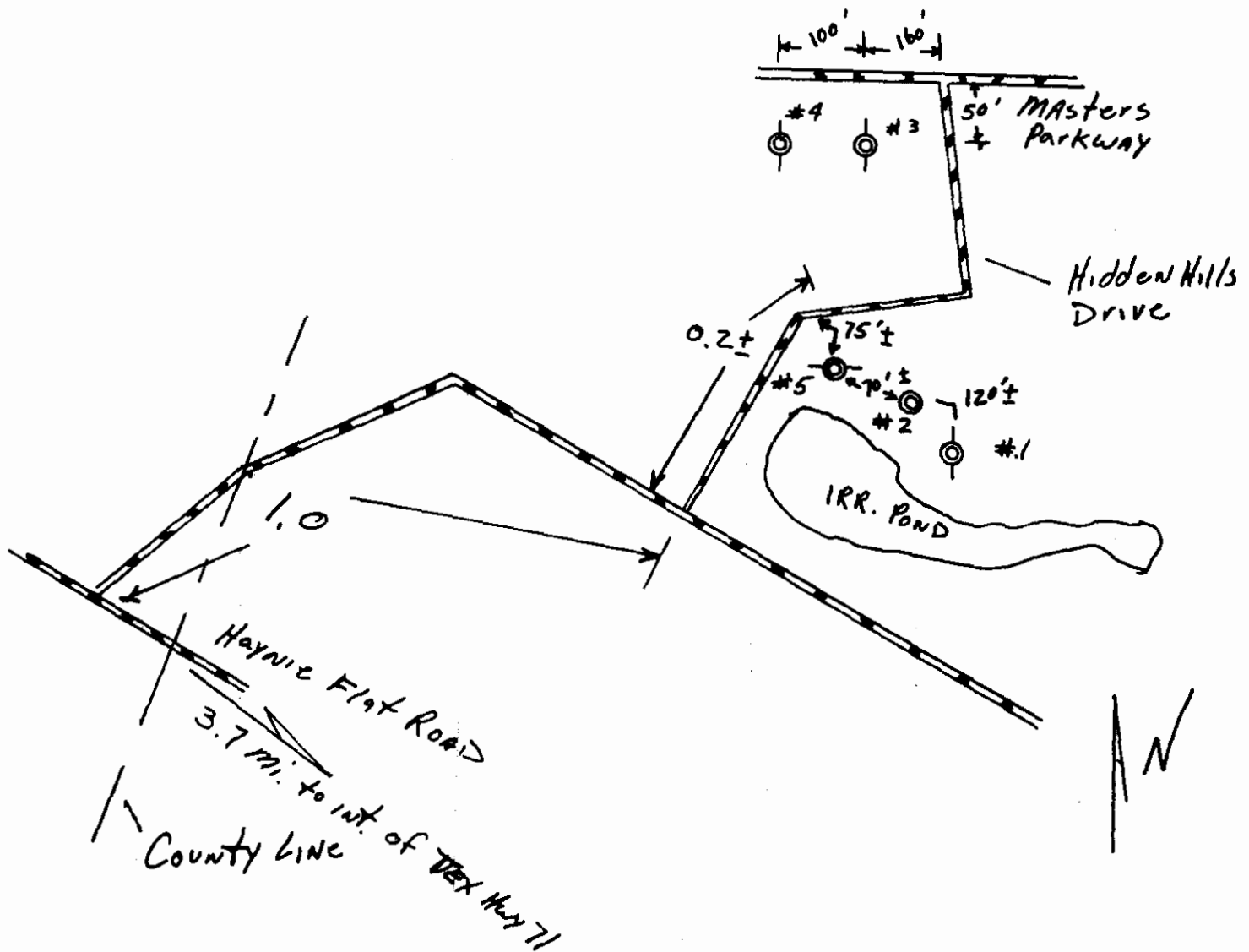
14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.)

15. Recorded by: J. Derton Source of data: \_\_\_\_\_ Date: \_\_\_\_\_

16. Remarks: The development plans on going to surface water when the subdivision gets larger.

17. Location or Sketch:

[illegible]



57-40-409

Please use by  
Send original to  
certified mail  
Texas Department of Water Resources  
P. O. Box 13087  
Austin, Texas 78711

State of Texas  
**WATER WELL REPORT**

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER THE RANCH ASSOCIATES (5) Address P.O. BOX 19417 JACKSONVILLE FL 32245  
(Name) (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL:  
County TRAVIS 10 miles in WNW direction from LAKEWAY  
(N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_

Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_

Distance and direction from two intersecting section or survey lines \_\_\_\_\_

☒ See attached map.

3) TYPE OF WORK (Check):

☒ New Well ☐ Deepening  
☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):

☐ Domestic ☐ Industrial ☒ Public Supply  
☐ Irrigation ☐ Test Well ☐ Other \_\_\_\_\_

5) DRILLING METHOD (Check):

☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored  
☒ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other \_\_\_\_\_

6) WELL LOG:

Date drilled 6-12-86

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
12 1/2	Surface	400

7) BOREHOLE COMPLETION:

☒ Open Hole ☐ Straight Wall ☐ Underreamed  
☐ Gravel Packed ☐ Other \_\_\_\_\_

If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material
------------	----------	---

0	60	CALICHE
60	85	GRAY SHALE/CLAY
85	100	TAN CLAY & SAND
100	112	BLUE CLAY
112	120	RED CLAY
120	175	BROWN CLAY & SAND W/ PEA GRAVEL
175	205	TAN LIMESTONE
205	245	YELLOW-TAN PEA GRAVEL
245	300	BLUE CLAY AND SHALE
300	400	GRAY LIMESTONE

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Cage Casing Screen
			From	To	
8 5/8	N	STEEL	0	400	40
		W/ SLOTS	125	400	

9) CEMENTING DATA [Rule 319.44(b)]

Cemented from 0 ft. to -120 ft.

\_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Method used PRESSURE

Cemented by A.D.C.

10) SURFACE COMPLETION

☒ Specified Surface Slab Installed [Rule 319.44(c)]  
☐ Pitless Adapter Used [Rule 319.44(d)]  
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:

Static level 130 ft. below land surface Date 6-12-86

Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS:

Type	Depth
BURLAP	120

13) TYPE PUMP:

☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder  
☐ Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., 336 ft.

15) WATER QUALITY:

Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No

If yes, submit "REPORT OF UNDESIRABLE WATER"

Type of water? ROSSSTON Depth of strata \_\_\_\_\_

Was a chemical analysis made? ☐ Yes ☒ No

14) WELL TESTS:

Type Test: ☒ Pump ☐ Bailor ☐ Jetted ☐ Estimated  
Yield: 200 gpm with 45 ft. drawdown after 36 hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME ASSOCIATED DRILLING  
(Type or Print)

Water Well Driller's License No. 1955

ADDRESS 4431 LUCKSINGER LN.  
(Street or RFD)

AUSTIN  
(City)

TEXAS  
(State)

78745  
(Zip)

(Signed) [Signature]  
(Licensed Water Well Driller)

(Signed) \_\_\_\_\_  
(Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TOWR use only  
Well No. 57-40-4  
Located on map \_\_\_\_\_



Facility:	Barton Creek - Lakeside	Date:	8/5/93
Location:	Well #5 409		

<b>WELL PUMP DATA</b>			
Manufacturer:	Goulds	Serial #:	N/A
Bowl Type:	425-S	Stages:	N/A
Column Size:	N/A	Setting:	336 feet
Design Point:	N/A		

<b>MOTOR DATA</b>			
Manufacturer:	Franklin	Serial #:	N/A
Horsepower:	20	Frame:	N/A
Amps/Volts:	N/A	RPM:	3450

**PERFORMANCE TEST DATA**

Static Level (ft)	114
10 Min Static	115
Operating Pressure	4
Capacity (GPM)	134
Pumping Level (ft)	181
Drawdown (ft)	67
Specific Capacity	2.0
Field Head (ft)	190
Water Horsepower	6.4
Overall Eff.	29.50%
Horsepower Input	21.8
Kilowatt Input	16.3
Amp Draw	22-28-22
Actual Shaft Speed (RPM)	N/A
Sand (PPM)	< 3
Time (min)	60

**ADDITIONAL DATA**

Pump Submergence (ft)	155	Meter Accuracy	96.3%
KWH/Million Gallons	2027	HP Utilization	99.4%
Start-up Sand (PPM)	< 3	Airline Functional	N/A

Remarks: Flowmeter registers 129 GPM at 4 PSI discharge pressure.  
Small brass shavings detected in water.

57-40-409

**TEXAS WATER DEVELOPMENT BOARD**

## WELL SCHEDULE

State Well No. 57 40 410 Previous Well No. 19 26 County Travis 453

River Basin Colorado 14 Zone 3 Lat. 32 26 14 Long. 098 05 32 Source of Coord. 1

Owner's Well No. #2 Location 1/4, 1/4, Section       , Block       , Survey       

Owner PALEFACE PEDERNALES  
WATER SUPPLY CORP.

Driller HIGHLAND DRILLING  
INC.

Address Rt. 2 Box 15X Spicewood, Tx. 78669 Address Rt. 1 Box 40-A Tow, Tx. 78672

[illegible]

Date Drilled 09 07 1984      Depth     170      Source of Depth Datum D      Altitude   768      Source of Alt. Datum M

Aquifer Hosstan (Khoss) 217HSTN 41 Well Type W 43 User 63981D 45 53

Well Construction	Const. Method	<u>Air Rotary</u>	<u>A</u>	Casing Material	<u>PVC</u>	<u>P</u>
			55			57
	Screen Material	<u>PVC</u>	<u>P</u>	Completion	<u>Slotted</u>	<u>P</u>
			59			61

Casing or Blank Pipe (C) \_\_\_\_\_  
 Well Screen or Slotted Zone (S) \_\_\_\_\_  
 Open Hole (O) \_\_\_\_\_  
 Cemented from 0 to 20  
                     Diam.                      Setting (feet)  
                     (in.)                      From                      To

Lift Data Pump Mfr. \_\_\_\_\_ Type Subm No. Stages \_\_\_\_\_ 10 C 05 15 0 150 23

Bowls Diam. \_\_\_\_\_ in.    Setting \_\_\_\_\_ ft.    Column Diam. \_\_\_\_\_ in.    Length Tailpipe \_\_\_\_\_ ft.

Motor Mfr. \_\_\_\_\_ Fuel or Power **Elec** Horsepower

Yield Flow \_\_\_\_\_ GPM Pump 15 GPM Meas. Rept. Est. \_\_\_\_\_ Date \_\_\_\_\_


Performance Test Date \_\_\_\_\_ Length of Test \_\_\_\_\_ Production \_\_\_\_\_ GPM \_\_\_\_\_


Static Level 105 ft. Pumping Level \_\_\_\_\_ ft. Drawdown \_\_\_\_\_ ft. Sp. Cap. \_\_\_\_\_ GPM/ft.







[illegible]






Water Use Primary Use Unused U Secondary Use 12 Tertiary Use 14

Other Data Available

Water Level  16

Water Quality  18

Logs       20 25

Other Data      27 31

58

10

71

23

Water Levels Date 09 07 1984 Meas. 105.00 ft. (+) Above  
 Date      Meas.      ft. (-) Below Landsurface

Recorded By F. Bilberry Date Record Collected or Updated 12201989 Reporting Agency 01

[illegible]

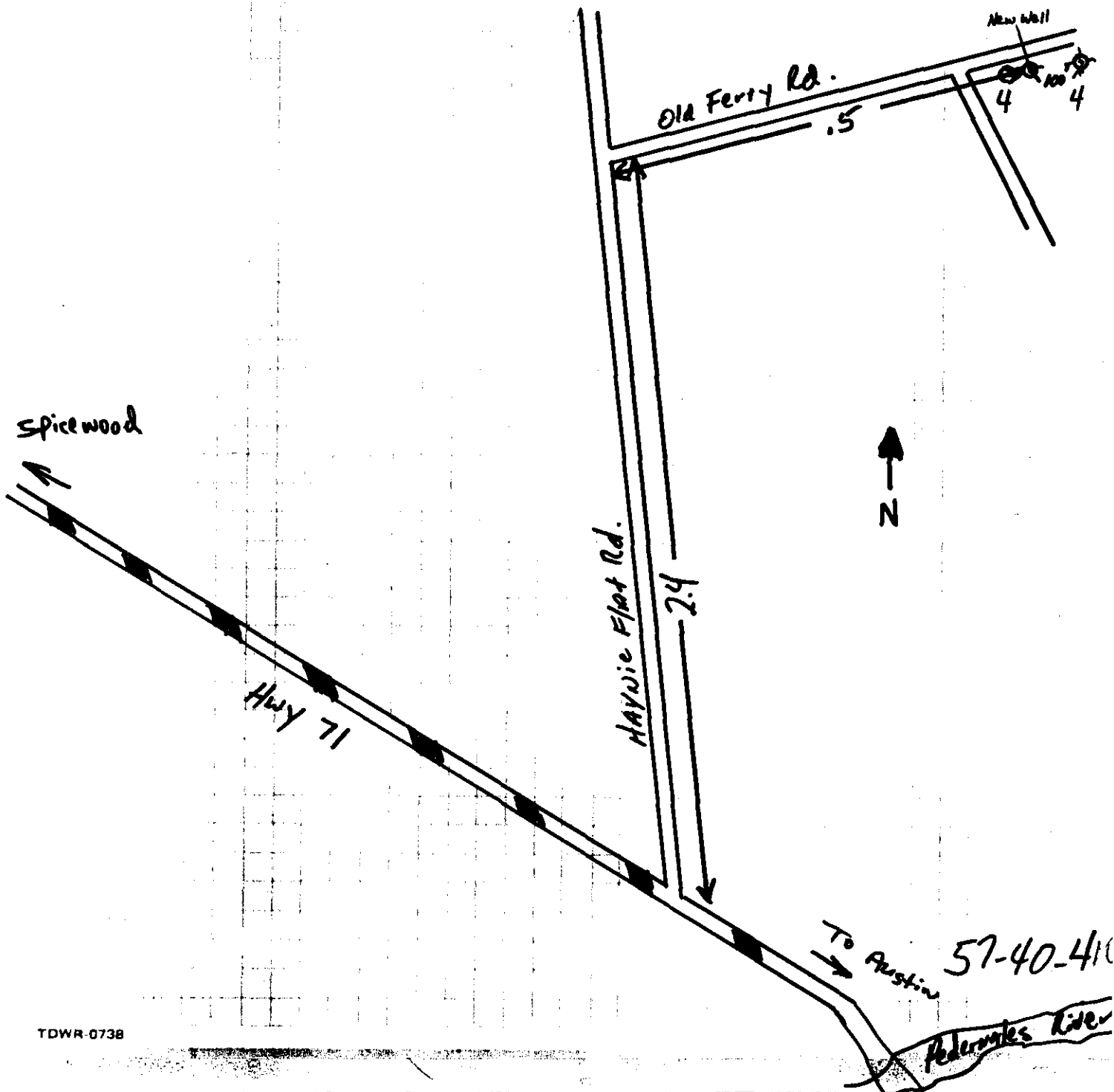
Well Schedule  
In TWDB File

Aquifer Houston  
Well No. 57-40-410

BY \_\_\_\_\_ DATE \_\_\_\_\_ DIVISION \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CHKD \_\_\_\_\_ DATE \_\_\_\_\_ JOB NAME \_\_\_\_\_

\_\_\_\_\_ JOB NO. \_\_\_\_\_ PROG. CODE \_\_\_\_\_



Original copy by  
and mail to the  
Department of Water Resources  
Box 13087  
Austin, Texas 78711

State of Texas  
WATER WELL REPORT

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Phelice Derdenales Address Rt. 2 Box 15x Spicewood Texas 78669  
Water Supply Corp. (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL:  
County BUTLER miles in \_\_\_\_\_ direction from \_\_\_\_\_  
TRAVIS (N E, S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_

Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_

Distance and direction from two intersecting section or survey lines \_\_\_\_\_

☒ See attached map. map on 57-30-288

3) TYPE OF WORK (Check):

☒ New Well ☐ Deepening  
☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):

☒ Domestic ☐ Industrial ☒ Public Supply  
☐ Irrigation ☐ Test Well ☐ Other \_\_\_\_\_

5) DRILLING METHOD (Check):

☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored  
☒ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other \_\_\_\_\_

6) WELL LOG:

Date drilled 9-7-84

DIAMETER OF HOLE

Dia. (in.) From (ft.) To (ft.)  
6 1/2 Surface 170'

7) BOREHOLE COMPLETION:

☐ Open Hole ☐ Straight Wall ☐ Underreamed  
☐ Gravel Packed ☐ Other \_\_\_\_\_

If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.) To (ft.) Description and color of formation material

0' 40' Lime Stone  
40' 155' Red Shell  
155' 170' SAND + GRAVEL

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen
			From	To	
5"	NEW	P.V.C. PLAIN	0'	150'	
5"	NEW	P.V.C. SLOTTED	150'	170'	

CEMENTING DATA

Cemented from 0' ft. to 20' ft.

Method used SURRY

Cemented by C.W. BOHANNON  
(Company or Individual)

9) WATER LEVEL:

Static level 105' ft. below land surface Date 9-7-84

Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

10) PACKERS: Type Depth

RECEIVED  
SEP 11 1984

DEPT. OF  
WATER RESOURCES

(Use reverse side if necessary)

13) WATER QUALITY:

Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No

If yes, submit "REPORT OF UNDESIRABLE WATER"

Type of water? \_\_\_\_\_ Depth of strata \_\_\_\_\_

Was a chemical analysis made? ☐ Yes ☒ No

11) TYPE PUMP:

☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder  
☐ Other \_\_\_\_\_

Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

12) WELL TESTS:

☐ Type Test: ☐ Pump ☐ Bailor ☐ Jetted ☐ Estimated

Yield: 15 gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME Highland Drilling Inc. Water Well Driller's License No. #2400  
(Type or Print)

ADDRESS Rt. 2 Box 40-A town Texas 78672  
(Street or RFD) (City) (State) (Zip)

(Signed) Charles W. Bohannon (Signed) \_\_\_\_\_  
(Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only  
Well No. 57-39-36  
Located on map 288C.F.2

**Texas Water Development Board  
Well Schedule**

State Well No. 57 40 413 Previous Well No.            County Travis 453  
 River Basin Colorado 14 Zone 3 Lat. 30 25 33 Long. 098 05 42 Source of Coord. 1  
 Owner's Well No. #1 Location 1/4, 1.4, Section, Block         , Survey         

Owner Paleface Lake Country Estates Driller McDonald

Address Rt 2 Box 171 Spicewood Tx 78669 Tenant/Oper. Mrs. Newhart  
 Date Drilled 01 01 1964 Depth 180 Source of Depth Datum 0 Altitude 785 Source of Alt. Datum m  
 Aquifer Houston 2174574 Well Type W User 639805

Well Construction Method          Casing Material Steel 5

Completion          Screen Material         

Lift Data Pump Mfr.          Type Subm. 5 No. Stages         

Bowls Diam.          in. Setting          ft. Column Diam.          in.

Motor Mfr.          Fuel or Power Elect E Horsepower 1.50

Yield Flow          GPM Pump          GPM Meas., Rept., Est.          Date         

Performance Test Date          Length of Test          Production          GPM

Static Level          ft. Pumping Level          ft. Drawdown          ft. Sp.Cap.          GPM/ft.

Quality (Remarks)         

Water Use Primary Public P Secondary          Tertiary         

Other Data Available Water Level          Water Quality          Logs          Other Data         

Date          Meas.          •         

Water Levels Date          Meas.          •         

Date          Meas.          •         

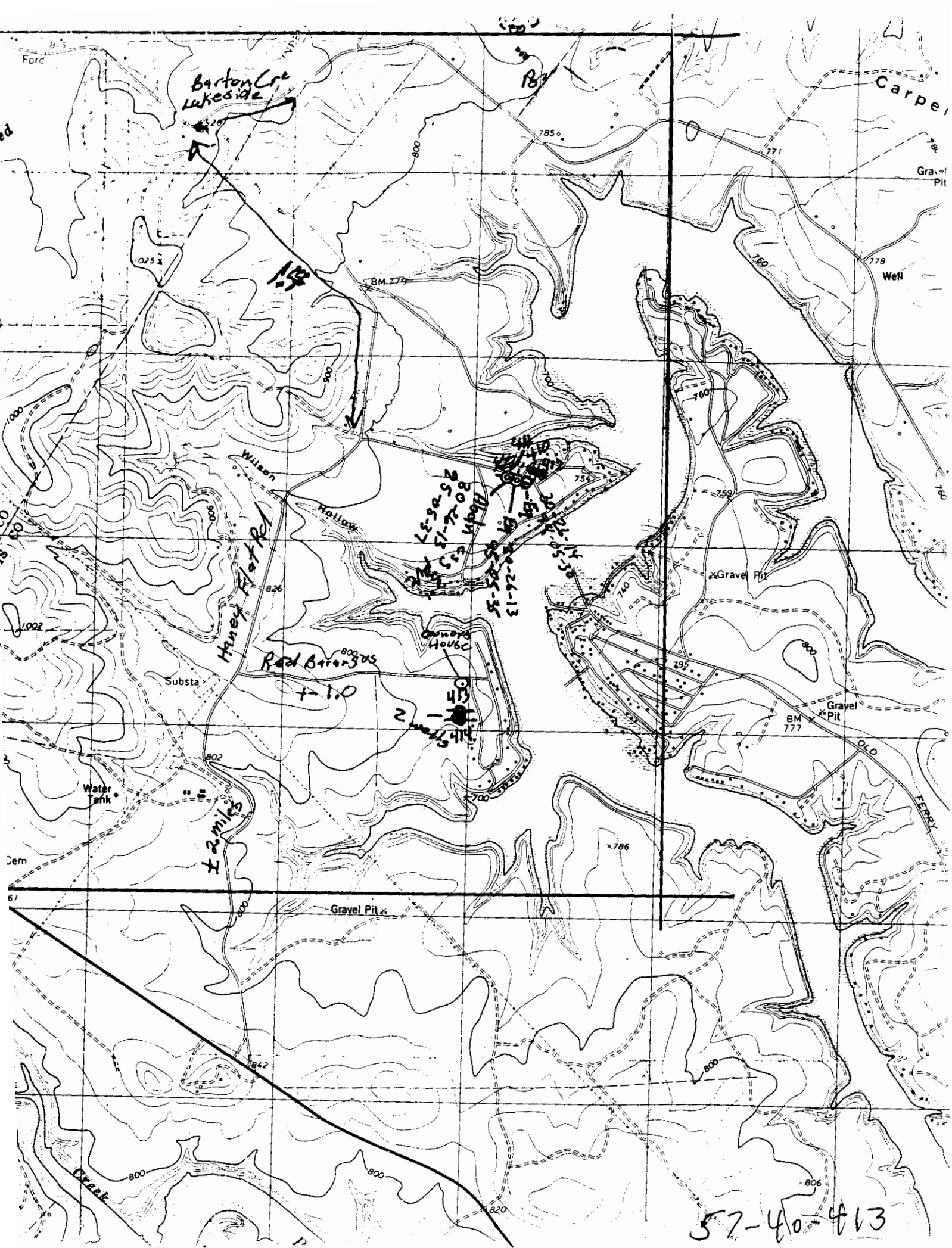
Recorded By Ron Mohr Date Record Collected or Updated 07 26 1994 (20 max) Reporting Agency 01

Remarks Reported yield 11 gpm

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) Open Hole (O) Cemented from <u>        </u> to <u>        </u> Diam. (in.)      Setting (feet)      From      To		
1	C	06
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

Aquifer Houston  
Well No. 57-40-413





**Texas Water Development Board  
Well Schedule**

State Well No. 57 40 414 Previous Well No.            County Travis 453  
 River Basin Colorado 14 Zone 3 Lat. 30 25 34 Long. 098 05 43 Source of Coord. 1  
 Owner's Well No. #2 Location 1/4, 1.4, Section, Block         , Survey         

Owner Palace Lake Country Estates Driller McDonald

Address Rt 2 Box 177 Spicewood Tx 78669 Tenant/Oper.           
 Date Drilled 1978 Depth 222 Source of Depth Datum A Altitude 785 Source of Alt. Datum M  
 Aquifer Houston 217HSTW Well Type W User 639805

Well Construction          Const. Method          Casing Material PVC P

Completion          Screen Material           
 Lift Data Pump Mfr.          Type Sub S No. Stages         

Bowls Diam.          in. Setting          ft. Column Diam.          in.

Motor Mfr.          Fuel or Power Elec E Horsepower 1.50

Yield Flow          GPM Pump          GPM Meas., Rept., Est.          Date         

Performance Test Date          Length of Test          Production          GPM

Static Level          ft. Pumping Level          ft. Drawdown          ft. Sp.Cap.          GPM/ft.

Quality (Remarks)         

Water Use Primary Public P Secondary          Tertiary         

Other Data Available Water Level N Water Quality N Logs          Other Data         

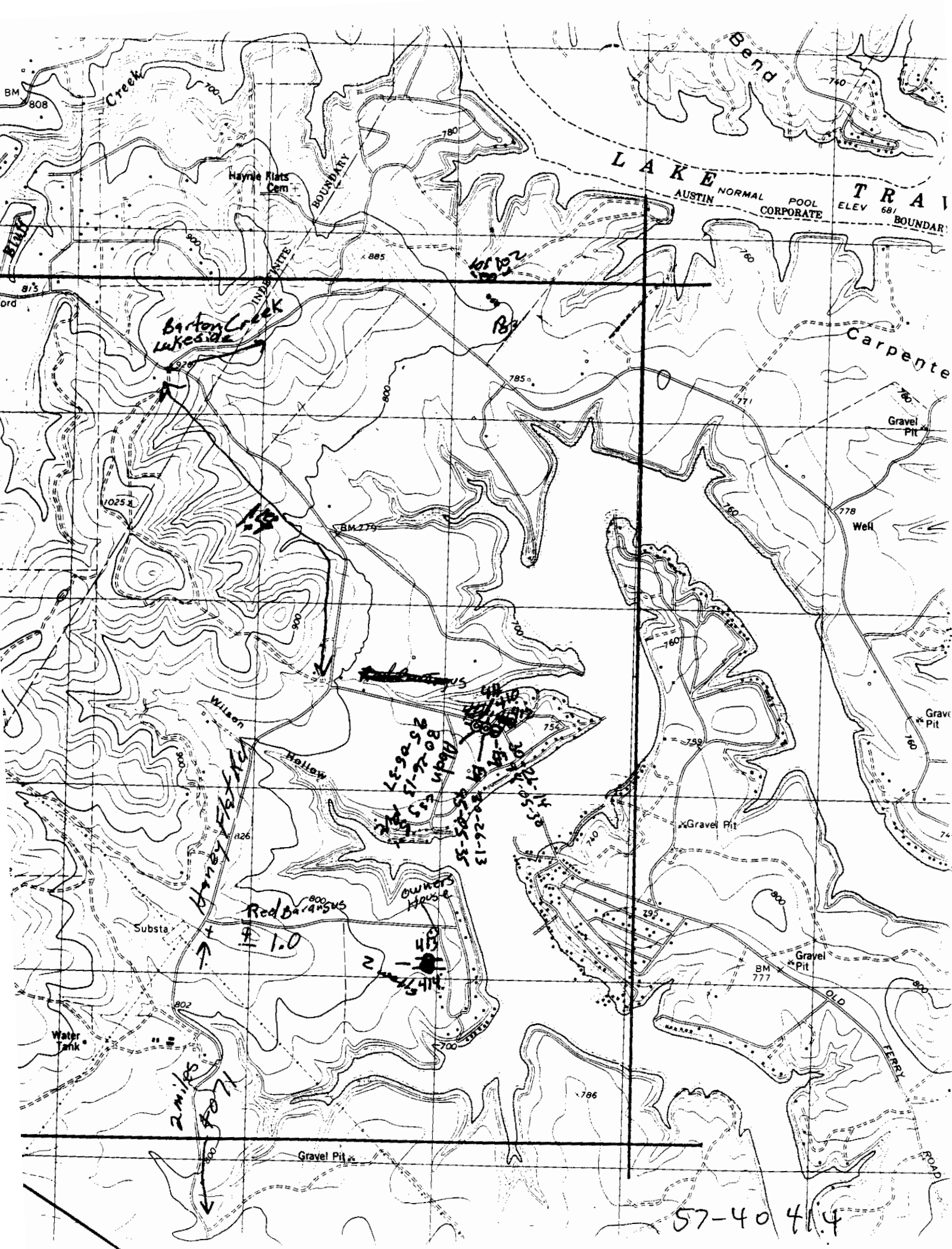
Date          Meas.          •           
 Water Levels Date          Meas.          •           
 Date          Meas.          •         

Recorded By Ben Mohr Date Record Collected or Updated 07 26 1994 (20 max) Reporting Agency 01

Remarks         

Casing or Blank Pipe (C) Well Screen or Slotted Zone (S) Open Hole (O) Cemented from <u>        </u> to <u>        </u> Diam. (in.) Setting (feet)		
From	To	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

Aquifer Houston  
 Well No. 57-40-414



507

82-40-4141

Travis

219 4571

Name: Perdus les Lake Country Estates

Date: 9-14-94

By: Ren Mehr

Spicewood TX 78669

Bottle 1				Bottle 2		Bottle 3		Bottle 4		Total
Anions		Cations		Radioactivity		Nitrate				SUB-Samples
1 liter		1 liter		1 liter		500 ml				4
Preserve with:		2 ml	2 ml	2 ml	1 ml					
		HNO	HNO	HNO	H SO					
		(Nitric)	(Nitric)	(Nitric)	(Sulfuric)					
Water Level	LSD	Remark								
Temperature (00010)		22.5 c								
Specific Conductance (00094)		1000 umhos/cm								
pH (00400)	7.05									
Eh (00090)	+ 24.5 mv.									
Phenol ALK (82244)		mg/l								
Total ALK (39086)		486 mg/l								
Carbonate (00452)		meq/l								
Bicarbonate (00453)	9.72	meq/l								
Total Cations(+)										
Total Anions (-)										
Total Hardness (46570)	430									
Dissolved Solids(70301)	665									

Time in: 1100

Time out: 1215

Weather: Cloudy

Outside Temp: 79°

Sampling point: Well Head

Starting pH: 7.53

~~24.3~~ ml. of 0.02N to

50 ml. of Sample

Ending pH: ~~24.3~~ 4.55

Time	1115	1120	1125	1130	ml.	pH	ml.	pH	ml.	pH
pH:	7.06	7.04	7.05		2	7.26	16	6.50	24.3	4.55
Temp:	22.5	22.5	22.5		4	7.11	18	6.36		
Eh:			+ 24.5		6	7.02	20	6.17		
Cond.	1097	1075	1063		8	6.91	22	5.84		
					10	6.81	23	5.58		
					12	6.70	24	5.0		
					14	6.61	24.1	4.86		
							24.2	4.71		

other notes:

Texas Water Development Board  
**Chemical Water Analysis Report**

GWR- Rm -1995-405  
(Anions)

Send Reply To:  
Ground Water Unit  
Texas Water Development Board  
P.O. Box 13231  
Austin, Texas 78711

TWDB Use Only	
Work No.	_____
IAC No.	_____

Attention: Phil Nordstrom State Well Number: 57-40-414  
County: Travis Date & Time: 9-14-94 1130  
Owner: Perdakes Lake Country Est ☒ Send Copy To Owner  
Address: Rt 2 Box 177 Spicewood Tx 78669 Sampled After Pumping: 30 min -Hours  
Date Drilled: \_\_\_\_\_ Depth: 180 Yield: \_\_\_\_\_ GPM ☐ Measured ☐ Estimated  
Collection Point: well head pH 7.05 Use: PS Temperature: 22.5 °C  
By: Ron Mohr Specific Conductance: 1063

Requested Chem: [REDACTED]

**OCT 10 1994**

Laboratory No.: [REDACTED]

Date Received: SEP 16 1994

Date Reported: \_\_\_\_\_

THD-Sample No.	EB4 1633	Date Received	09/16/94	Date Reported	10/08/94
		MEQ/L	MG/L	MEQ/L	MG/L
Silica	(00955)		15		
			Sulfate	(00948)	1.17 56
			Chloride	(00941)	1.45 53
			Fluoride	(00950)	0.06 0.34
P.Akalinity	(01415)	0.00	0		
T.Akalinity	(00410)	3.84	432		
				Bromide	(71870) 1.00

\* Convert mg/l Boron to µg/l for data entry.

*only in Irrigation Areas*

890091-C  
July 1991



Texas Water Development Board  
**Chemical Water Analysis Report**

GWN- RM-1995-405  
(Nitrogen Cycle)

Send Reply To:  
Ground Water Unit  
Texas Water Development Board  
P.O. Box 13231  
Austin, Texas 78711


*TWDB Use Only*

Work No. \_\_\_\_\_

IAC No. \_\_\_\_\_

Attention: Phil Nordstrom State Well Number: 57-40-414  
County: Travis Date & Time: 9-14-94 1130  
Owner: Pedernales Lake Country Est ☒ Send Copy To Owner  
Address: \_\_\_\_\_ Sampled After Pumping: \_\_\_\_\_ Hours  
Date Drilled: \_\_\_\_\_ Depth: \_\_\_\_\_ Yield: \_\_\_\_\_ GPM ☐ Measured ☐ Estimated  
Collection Point: \_\_\_\_\_ pH \_\_\_\_\_ Use: \_\_\_\_\_ Temperature: \_\_\_\_\_ °C  
By: Ron Mohr Specific Conductance: \_\_\_\_\_

**Requested Chemical Analysis**

Laboratory No.:  Date Received: SEP 16 1994 Date Reported: SEP 28 1994

THD-Sample No.	EB4 1660	Date Received	09/16/94	Date Reported	09/22/94
		00623-		0.6	TKN as N mg/L
		00608-		0.29	Ammonia as N mg/l
		00613-		< 0.01	Nitrite as N mg/
		00618-		0.01	Nitrate as N mg/

\*Note: To convert NO<sub>2</sub>-N to NO<sub>3</sub>, multiply by 4.427.

Texas Water Development Board  
**Chemical Water Analysis Report**

RAD - Rm - 1995-405  
RAD = Radioactivity Sample

Send Reply To:  
Ground Water Monitoring Unit  
Texas Water Development Board  
P.O. Box 13231  
Austin, Texas 78711

TWDB Use Only	
Work No.	_____
IAC No.	_____

Attention: Phil Nordstrom State Well Number: 57-40-414  
County: Travis Date & Time: 9-14-94 1130  
Owner: Perdales Lake Country Est. ☒ Send Copy To Owner  
Address: \_\_\_\_\_ Sampled After Pumping: \_\_\_\_\_ Hours  
Date Drilled: \_\_\_\_\_ Depth: \_\_\_\_\_ Yield: \_\_\_\_\_ GPM ☐ Measured ☐ Estimated  
Collection Point: \_\_\_\_\_ pH \_\_\_\_\_ Use: \_\_\_\_\_ Temperature: \_\_\_\_\_ °C  
By: Ren Mehr Specific Conductance: \_\_\_\_\_

**Requested Chemical Analysis**

Laboratory No.: [REDACTED] Date Received: SEP 16 1994 Date Reported: OCT 19 1994

Alpha	(01503)	<u>2.4 ± 2.3</u>	pCi/l
Beta	(03503)	<u>9.1 ± 3.3</u>	pCi/l

Texas Water Development Board  
**Chemical Water Analysis Report**

HM- Rm 1995.405  
HM = Heavy Trace and Alkaline-Earth Metals

<b>TWDB Use Only</b>	
Work No. _____	
IAC No. _____	

Send Reply To:  
Ground Water Unit  
Texas Water Development Board  
P.O. Box 13231  
Austin, Texas 78711

Attention: Phil Nordstrom State Well Number: 57-40-414  
County: Travis Date & Time: 9-14-94 1130  
Owner: Perdunes Lake Country Est. ☒ Send Copy To Owner  
Address: Box 127 Spicewood TX 78669 Sampled After Pumping: \_\_\_\_\_ Hours  
Date Drilled: \_\_\_\_\_ Depth: \_\_\_\_\_ Yield: \_\_\_\_\_ GPM ☐ Measured ☐ Estimated  
Collection Point: \_\_\_\_\_ pH \_\_\_\_\_ Use: \_\_\_\_\_ Temperature: \_\_\_\_\_ °C  
By: Ron Mohr Specific Conductance: \_\_\_\_\_

Requested 

Laboratory No. \_\_\_\_\_

Date Received: SEP 16 1994

Date Reported: OCT. 25 1994

mg/L			mg/L		
Calcium	(00915)	<u>79</u>	Sodium	(00930)	<u>92</u>
Magnesium	(00925)	<u>55</u>	Potassium	(00935)	<u>12</u>
Lithium	(01130)	<u>0.143</u>	[Convert to µg/L for Data Entry]		
µg/L			µg/L		
Aluminum	(01106)	<u>&lt;20</u>	Manganese	(01056)	<u>23.0</u>
Antimony	(01095)	<u>&lt;2.0</u>	Mercury	(71890)	<u>&lt;0.13</u>
Arsenic	(01000)	<u>&lt;1.0</u>	Molybdenum	(01080)	<u>&lt;50</u>
Barium	(01005)	<u>83.1</u>	Nickel	(01065)	<u>&lt;10</u>
Beryllium	(01010)	<u>&lt;2.0</u>	Selenium	(01145)	<u>&lt;4.0</u>
Cadmium	(01025)	<u>&lt;0.5</u>	Silver	(01075)	<u>&lt;10</u>
Chromium	(01030)	<u>&lt;10</u>	Strontium	(01080)	<u>12140</u>
Cobalt	(01035)	<u>&lt;10</u>	Thallium	(01057)	<u>&lt;2.0</u>
Copper	(01040)	<u>5.3</u>	Vanadium	(01085)	<u>&lt;10</u>
Iron	(01046)	<u>61.0</u>	Zinc	(01090)	<u>19.5</u>
Lead	(01048)	<u>&lt;5.0</u>			

Note: Crossout those elements not to be analyzed.

## WELL SCHEDULE

1. Location: T. 4S, R. 1E, Section 36, Block 1, Survey 36, Lat. 30-27-38, Long. 98-05-30  
Hidden Valley near Lake Trails off of Harvie Flat Road  
Barren Creek Lake side

Driller: Associated Drilling Address: Austin

3. Land Surface Elevation: 772 ft. above msl determined by Developer's 2 Ft contour map

4. Drilled: 10-7 19 85; Dug, Cable Tool, Rotary, Air, \_\_\_\_\_

5. Depth: Rept. 400 ft. Meas. \_\_\_\_\_ ft.

6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed

7. Pump: Mfr. \_\_\_\_\_ Type SUB

No. Stages \_\_\_\_\_, Bowls Diam. \_\_\_\_\_ in., Setting 360 ft.

Column Diam.                  in., Length Tailpipe                  ft.

8. Motor: Mfr. \_\_\_\_\_ Fuel \_\_\_\_\_ HP. \_\_\_\_\_

9. Yield: Flow \_\_\_\_\_ gpm, Pump 100 gpm, Meas., Rept., Est. \_\_\_\_\_ Date 85

10. Performance Test: Date 10-28-85 Length of Test 2 hrs Made by drlr

Static Level 107 ft. Pumping Level \_\_\_\_\_ ft. Drawdown 243 ft.

Production 100 gpm Specific Capacity \_\_\_\_\_ gpm/ft.

11. Quality: (Remarks on taste, odor, color, etc.) \_\_\_\_\_

## Analyses

Date	Laboratory	TDS	Sp Cond
------	------------	-----	---------

Date	Laboratory	TDS	Sp Cond
------	------------	-----	---------

12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,

Formation Samples, Geophysical Log(s) \_\_\_\_\_

13. Water Level(s): 107 ft. <sup>rept.</sup><sub>meas.</sub> 10-28 1985 <sup>(approx)</sup><sub>below</sub> CS D which is \_\_\_ ft. above  
\_\_\_\_\_ ft. <sup>rept.</sup><sub>meas.</sub> \_\_\_\_\_ 19\_\_\_\_ above \_\_\_\_\_ ft. below Land Surface  
\_\_\_\_\_ ft. <sup>rept.</sup><sub>meas.</sub> \_\_\_\_\_ 19\_\_\_\_ above \_\_\_\_\_ ft. below Land Surface

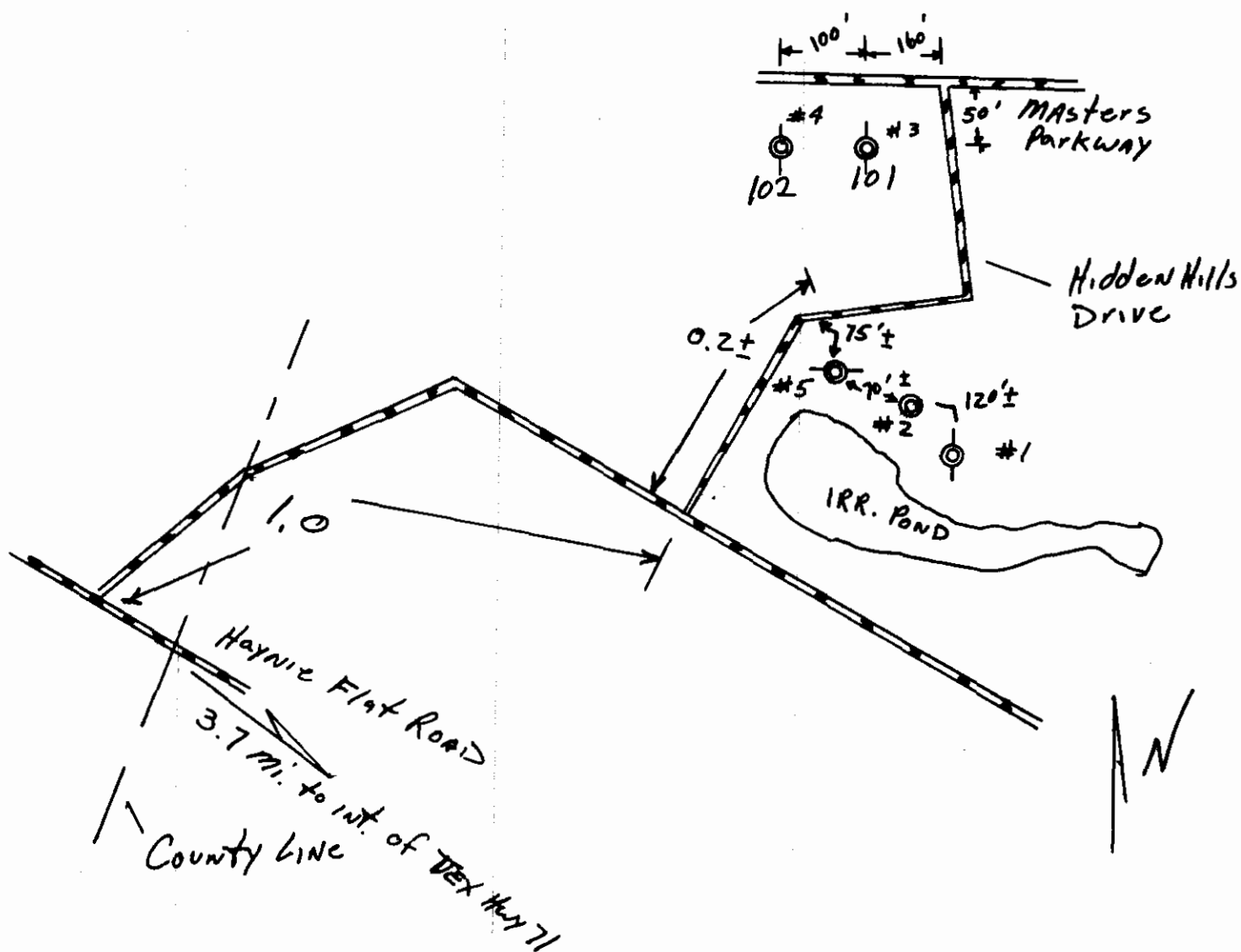
1/14. Use: Dom., Stock, Public Supply, Ind. Irr., Observation, Other (Test Hole, Oil Test, etc.) Not Used

15. Recorded by: J. Derton Source of data: J. Show, DE, tobs Date: 10-13-87

16. Remarks: If Consultant says well will be plugged

**17. Location or Sketch:**

[illegible]



57-40-101



State of  
**WATER WELL REPORT**

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER **THE RANCH ASSOCIATES (3)** Address **PO BOX 19417 JACKSONVILLE FL 32245**  
(Name) (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL:  
County **TRAVIS** **10** miles in **NW** direction from **LAKEWAY**  
(N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_

Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_

Distance and direction from two intersecting section or survey lines \_\_\_\_\_

☒ See attached map.

3) TYPE OF WORK (Check):  
☒ New Well ☐ Deepening  
☐ Reconditioning ☐ Plugging  
4) PROPOSED USE (Check):  
☐ Domestic ☐ Industrial ☐ Public Supply  
☒ Irrigation ☐ Test Well ☐ Other \_\_\_\_\_  
5) DRILLING METHOD (Check):  
☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored  
☒ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other \_\_\_\_\_

6) WELL LOG:  
Date drilled **10-7-85**  
DIAMETER OF HOLE  
Dis. (in.) From (ft.) To (ft.)  
**12 1/2** Surface **400**  
7) BOREHOLE COMPLETION:  
☒ Open Hole ☐ Straight Wall ☐ Underreamed  
☐ Gravel Packed ☐ Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	Dis. (in.)	New or Used	Steel, Plastic, etc. Part., Slotted, etc. Screen Mgt., if commercial	Setting (ft.)	Gage Casing Screen
						From	To
0	5	FILL					
5	10	CALICHE					
10	45	GRAY CLAY & SHALE	8 5/8	N	STEEL	0	400
45	105	TAN LIMESTONE					
105	115	BLUE CLAY			W/ SLOTS	120	320
115	120	YELLOW LIMESTONE & SANDSTONE					
120	175	GRAY LIMESTONE					
175	200	RED CLAY W/ GRAVEL					
200	225	GRAVEL					
225	250	SAND					
250	325	SAND & CLAY					
325	375	GRAY SHALE & SAND					
375	400	CLAY					

8) CEMENTING DATA [Rule 319.44(b)]  
Cemented from **0** ft. to **120** ft.  
ft. to \_\_\_\_\_ ft.  
Method used **PRESSURE**  
Cemented by **ADC**  
10) SURFACE COMPLETION  
☒ Specified Surface Slab Installed [Rule 319.44(c)]  
☐ Pitless Adapter Used [Rule 319.44(d)]  
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
Static level **107** ft. below land surface Date **10-28-85**  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type Depth  
**BURLAP** **120**

13) TYPE PUMP:  
☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder  
☐ Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., **360** ft.

15) WATER QUALITY:  
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No  
If yes, submit "REPORT OF UNDESIRABLE WATER"  
Type of water? **ROBUSTION** Depth of strata \_\_\_\_\_  
Was a chemical analysis made? ☐ Yes ☒ No

14) WELL TESTS:  
Type Test: ☒ Pump ☐ Bailor ☐ Jetted ☐ Estimated  
Yield: **100** gpm with **243** ft. drawdown after **2** hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the logs being returned for completion and resubmittal.

COMPANY NAME **ASSOCIATED DRILLING** Water Well Driller's License No. **1935**  
(Type or Print)  
ADDRESS **4431 LOCKSINGER LN** **AUSTIN** **TEXAS** **78745**  
(Street or RFD) (City) (State) (Zip)  
(Signed) **Byron Bennett** (Signed) \_\_\_\_\_  
(Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only  
Well No. **87-40-488**  
Located on map **YES**

[GWDB Reports and Downloads](#)
[Well Basic Details](#)
[Scanned Documents](#)

State Well Number	5739905
County	Travis
River Basin	Colorado
Groundwater Management Area	9
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Southwestern Travis County GCD
Latitude (decimal degrees)	30.416389
Latitude (degrees minutes seconds)	30° 24' 59" N
Longitude (decimal degrees)	-98.131389
Longitude (degrees minutes seconds)	098° 07' 53" W
Coordinate Source	+/- 1 Second
Aquifer Code	217HSTN - Hosston Formation
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	925
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	176
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	0/0/1967
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Historical
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Larry Hollingsworth
Driller	Central Texas Drilling
Other Data Available	Microlog
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	
Last Update Date	3/4/2020

**Remarks** Reported yield 10 gal/min on Aug.18 1972. Slotted from 116 to 176 feet. Historical observation well.

### Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
8	Blank				0	116
8	Screen				116	176

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

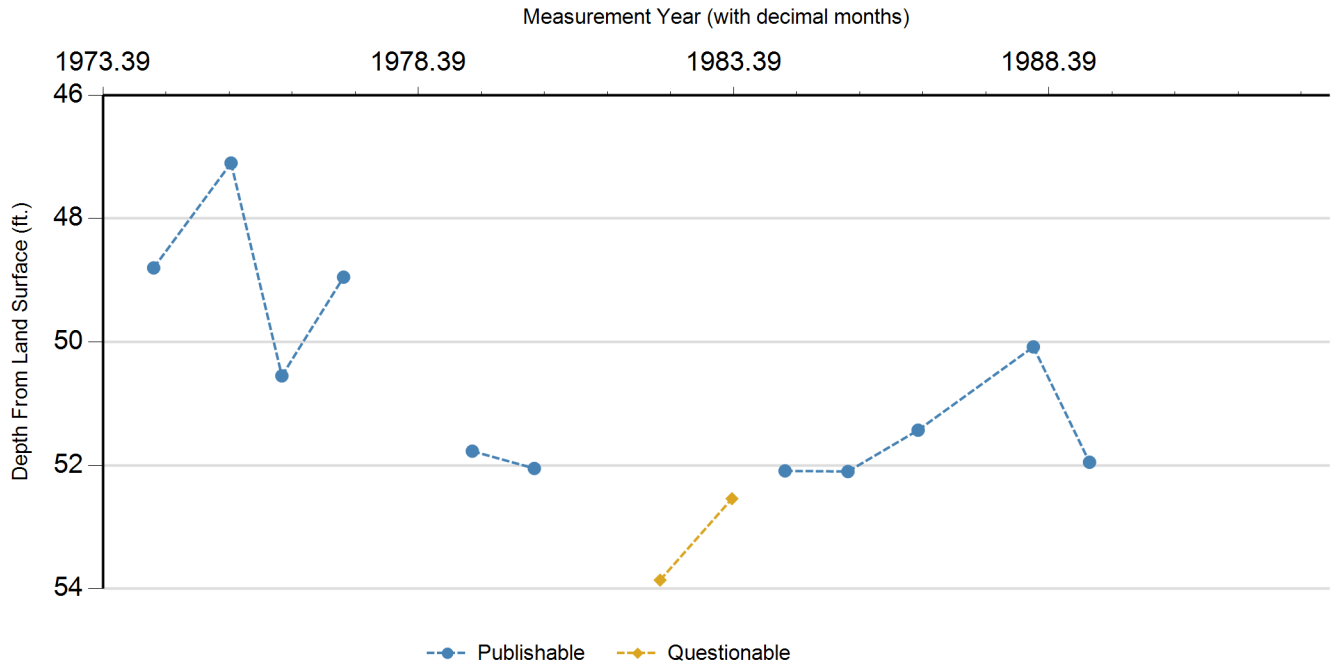
**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/11/1974		48.8		876.2	1	Texas Water Development Board	Steel Tape		
P	6/4/1975		47.1	(1.70)	877.9	1	Texas Water Development Board	Steel Tape		
P	3/23/1976		50.55	3.45	874.45	1	Texas Water Development Board	Steel Tape		
P	3/15/1977		48.95	(1.60)	876.05	1	Texas Water Development Board	Steel Tape		
X	3/23/1978					1	Texas Water Development Board		19	
P	3/30/1979		51.77		873.23	1	Texas Water Development Board	Steel Tape		
P	3/24/1980		52.05	0.28	872.95	1	Texas Water Development Board	Steel Tape		
Q	3/22/1982		53.86	1.81	871.14	1	Texas Water Development Board	Steel Tape	12	
Q	5/13/1983		52.54	(1.32)	872.46	1	Texas Water Development Board	Steel Tape	4	
P	3/15/1984		52.09	(0.45)	872.91	1	Texas Water Development Board	Steel Tape		
P	3/14/1985		52.1	0.01	872.9	1	Texas Water Development Board	Steel Tape		
P	4/25/1986		51.43	(0.67)	873.57	1	Texas Water Development Board	Steel Tape		
P	2/22/1988		50.08	(1.35)	874.92	1	Texas Water Development Board	Steel Tape		
P	1/12/1989		51.95	1.87	873.05	1	Texas Water Development Board	Steel Tape		
X	3/4/1990					1	Texas Water Development Board		32	
X	3/5/1991					1	Texas Water Development Board		32	
X	1/14/1992					1	Texas Water Development Board		30	

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**Code Descriptions**

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Status Code	Status Description
P	Publishable
Q	Questionable
X	No Measurement

Remark ID	Remark Description
4	Well pumped recently
12	Uncertain of reason for questionable measurement
19	Well pumping
30	Well temporarily inaccessible due to impassable roads, locked gate, etc.
32	Well temporarily inaccessible due to winterization or debris

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### Water Quality Analysis

**Sample Date:** 8/18/1972    **Sample Time:** 0000    **Sample Number:** 1    **Collection Entity:** Texas Water Development Board

**Sampled Aquifer:** Hosston Formation

**Analyzed Lab:** Texas Department of Health

**Reliability:** Reliability unknown or not available

**Collection Remarks:** No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO <sub>3</sub> )		319	mg/L as CaCO <sub>3</sub>	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO <sub>3</sub> )		389.29	mg/L	
00910	CALCIUM (MG/L)		79	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO <sub>3</sub> )		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		15	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO <sub>3</sub> )		369	mg/L as CaCO <sub>3</sub>	
00920	MAGNESIUM (MG/L)		42	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO <sub>3</sub> )		6	mg/L as NO <sub>3</sub>	
00400	PH (STANDARD UNITS), FIELD		7.9	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SiO <sub>2</sub> )		16	mg/L as SiO <sub>2</sub>	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.18		
00932	SODIUM, CALCULATED, PERCENT		4	PCT	
00929	SODIUM, TOTAL (MG/L AS Na)		8	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		745	MICR	
00945	SULFATE, TOTAL (MG/L AS SO <sub>4</sub> )		39	mg/L as SO <sub>4</sub>	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		396	mg/L	



### Water Quality Analysis

**Sample Date:** 3/24/1980    **Sample Time:** 0000    **Sample Number:** 1    **Collection Entity:** Texas Water Development Board

**Sampled Aquifer:** Hosston Formation

**Analyzed Lab:** Texas Department of Health    **Reliability:** From well not sufficiently pumped; not filtered or preserved

**Collection Remarks:** faucet at pressure tank

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		4	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		323	mg/L as CaCO 3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		384.41	mg/L	
00910	CALCIUM (MG/L)		85	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		4.8	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		15	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		372	mg/L as CaCO 3	
00920	MAGNESIUM (MG/L)		39	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		4.3	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		8.4	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SiO2)		14	mg/L as SiO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.18		
00932	SODIUM, CALCULATED, PERCENT		4	PCT	
00929	SODIUM, TOTAL (MG/L AS Na)		8	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		750	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		40	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		21	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		399	mg/L	

### Water Quality Analysis

**Sample Date:** 6/10/1986    **Sample Time:** 0000    **Sample Number:** 1    **Collection Entity:** Texas Water Development Board

**Sampled Aquifer:** Hosston Formation

**Analyzed Lab:** Texas Department of Health    **Reliability:** From well not sufficiently pumped; not filtered or preserved

**Collection Remarks:** pressure tank sample

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		327	mg/L as CaCO3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		399.05	mg/L	
00910	CALCIUM (MG/L)		83	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		14	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		359	mg/L as CaCO3	
00920	MAGNESIUM (MG/L)		37	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		3.68	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		7.4	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SiO2)		15	mg/L as SiO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.18		
00932	SODIUM, CALCULATED, PERCENT		4	PCT	
00929	SODIUM, TOTAL (MG/L AS Na)		8	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		750	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		40	mg/L as SO4	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		399	mg/L	

### Water Quality Analysis

**Sample Date:** 8/26/1991    **Sample Time:** 0940    **Sample Number:** 1    **Collection Entity:** Texas Water Development Board

**Sampled Aquifer:** Hosston Formation

**Analyzed Lab:** TWDB Field Analysis    **Reliability:** Sampled using TWDB protocols but through Hach DR-2000 lab

**Collection Remarks:** No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CaCO <sub>3</sub>		352	mg/L as CaCO <sub>3</sub>	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO <sub>3</sub> )		352	mg/L as CaCO <sub>3</sub>	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO <sub>3</sub> )		429.56	mg/L	
00910	CALCIUM (MG/L)		77.66	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO <sub>3</sub> )		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		12.65	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.34	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO <sub>3</sub> )		368	mg/L as CaCO <sub>3</sub>	
01046	IRON, DISSOLVED (UG/L AS FE)	<	20	ug/L	
00920	MAGNESIUM (MG/L)		42.59	mg/L	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		0.36	mg/L as N	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO <sub>3</sub> )		1.59	mg/L as NO <sub>3</sub>	
00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS		144.3	MV	
00400	PH (STANDARD UNITS), FIELD		7.37	SU	
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		0.03	mg/L as P	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SiO <sub>2</sub> )		15.57	mg/L as SiO <sub>2</sub>	
00945	SULFATE, TOTAL (MG/L AS SO <sub>4</sub> )		43.85	mg/L as SO <sub>4</sub>	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	

\* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

**Texas Water Development Board (TWDB)  
Groundwater Database (GWDB)  
Well Information Report for State Well Number  
57-39-905**

*GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<https://www.twdb.texas.gov/groundwater/data/gwdbbrpt.asp>) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at [GroundwaterData@twdb.texas.gov](mailto:GroundwaterData@twdb.texas.gov).*

[GWDB Reports and Downloads](#)
[Well Basic Details](#)
[Scanned Documents](#)

State Well Number	5740102
County	Travis
River Basin	Colorado
Groundwater Management Area	9
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Southwestern Travis County GCD
Latitude (decimal degrees)	30.458889
Latitude (degrees minutes seconds)	30° 27' 32" N
Longitude (decimal degrees)	-98.091667
Longitude (degrees minutes seconds)	098° 05' 30" W
Coordinate Source	+/- 1 Second
Aquifer Code	217HSTN - Hosston Formation
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	768
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	400
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	10/14/1985
Drilling Method	Air Rotary
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Barton Creek Lakeside
Driller	Associated Drillers
Other Data Available	Drillers Log; Specific Capacity
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G2270282F
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	10/20/1998
Last Update Date	3/4/2020

**Remarks** Owner's #4 well. Plugged public supply well. Measured yield 65 GPM with 240 feet drawdown after pump- ing 2 hours in 1985. Cemented from 0 to 120 feet. Specific capacity 0.27

### Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
9	Blank	Steel			0	120
9	Screen	Steel			120	320
9	Blank	Steel			320	400

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

**Borehole - No Data**

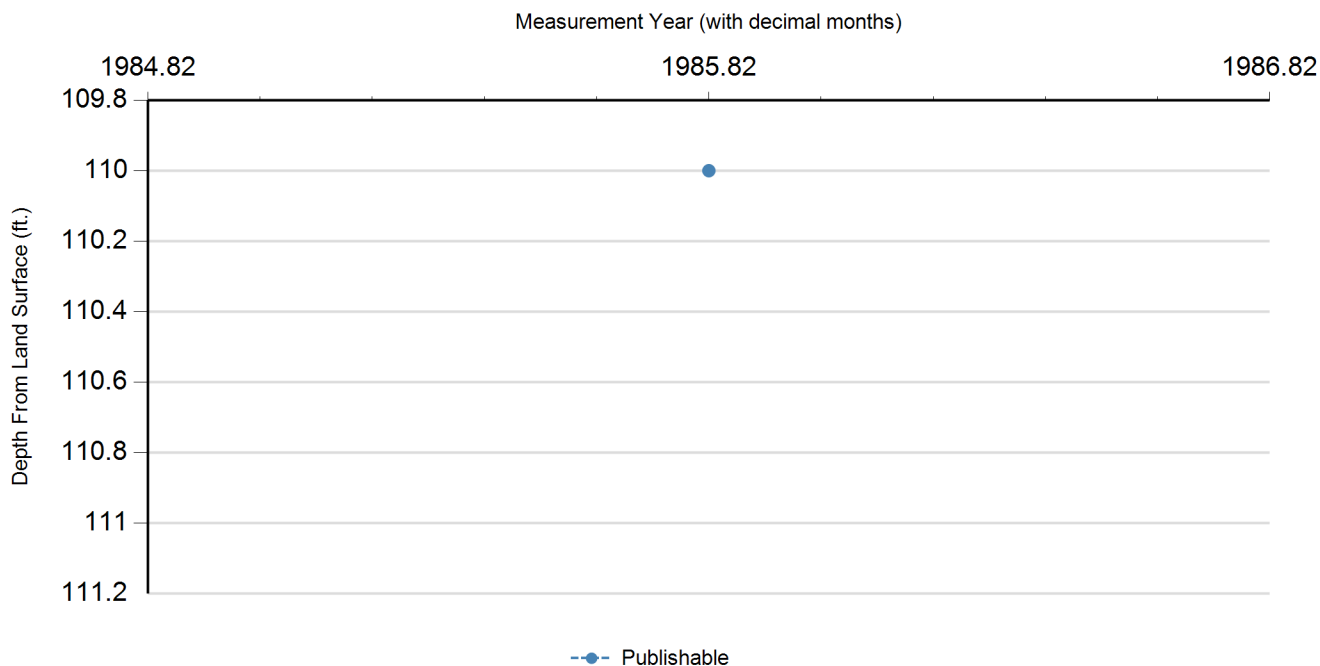
**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**



### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/28/1985		110		658	1	Registered Water Well Driller	Unknown		

### Code Descriptions

Status Code	Status Description
P	Publishable

---

Water Quality Analysis - No Data Available

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GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<https://www.twdb.texas.gov/groundwater/data/gwdb rpt.asp>) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at [GroundwaterData@twdb.texas.gov](mailto:GroundwaterData@twdb.texas.gov).

**Texas Water Development Board (TWDB)  
Groundwater Database (GWDB)  
Well Information Report for State Well Number  
57-40-104**

[GWDB Reports and Downloads](#)

**Well Basic Details**

[Scanned Documents](#)

State Well Number	5740104
County	Burnet
River Basin	Colorado
Groundwater Management Area	8
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Central Texas GCD
Latitude (decimal degrees)	30.4591667
Latitude (degrees minutes seconds)	30° 27' 33" N
Longitude (decimal degrees)	-98.1186111
Longitude (degrees minutes seconds)	098° 07' 07" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	218CCRK - Cow Creek Limestone
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	806
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	180
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	6/12/2006
Drilling Method	Air Rotary
Borehole Completion	Straight Wall

Well Type	Withdrawal of Water
Well Use	De-watering
Water Level Observation	GCD Current Sensor
Water Quality Available	No
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	Slurry
Surface Completion	Surface Sleeve Installed
Owner	Donald Glide Spicewood well
Driller	Apex Drilling, Inc.
Other Data Available	Drillers Log
Well Report Tracking Number	<a href="#">91533</a>
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Groundwater Conservation District
Created Date	6/13/2012
Last Update Date	11/20/2024

Remarks	Burlap packers at 75, 70, 20 ft.
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<b>Casing</b>						
Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
5	Blank	Plastic (PVC)			0	120
5	Screen	Plastic (PVC)			120	160
5	Blank	Plastic (PVC)			160	180

<b>Well Tests</b>				
Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
2006-06-12	Jetted	1/2		

### ***Lithology***

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	30	Grey & Tan Limestone
30	45	Grey Limestone
45	75	Grey Clay
75	85	Red Sandstone
85	90	Gravel
90	100	Red Sandstone
100	160	Gravel
160	165	Tan clay
165	180	Grey Clay

***Annular Seal Range - No Data***

### ***Borehole***

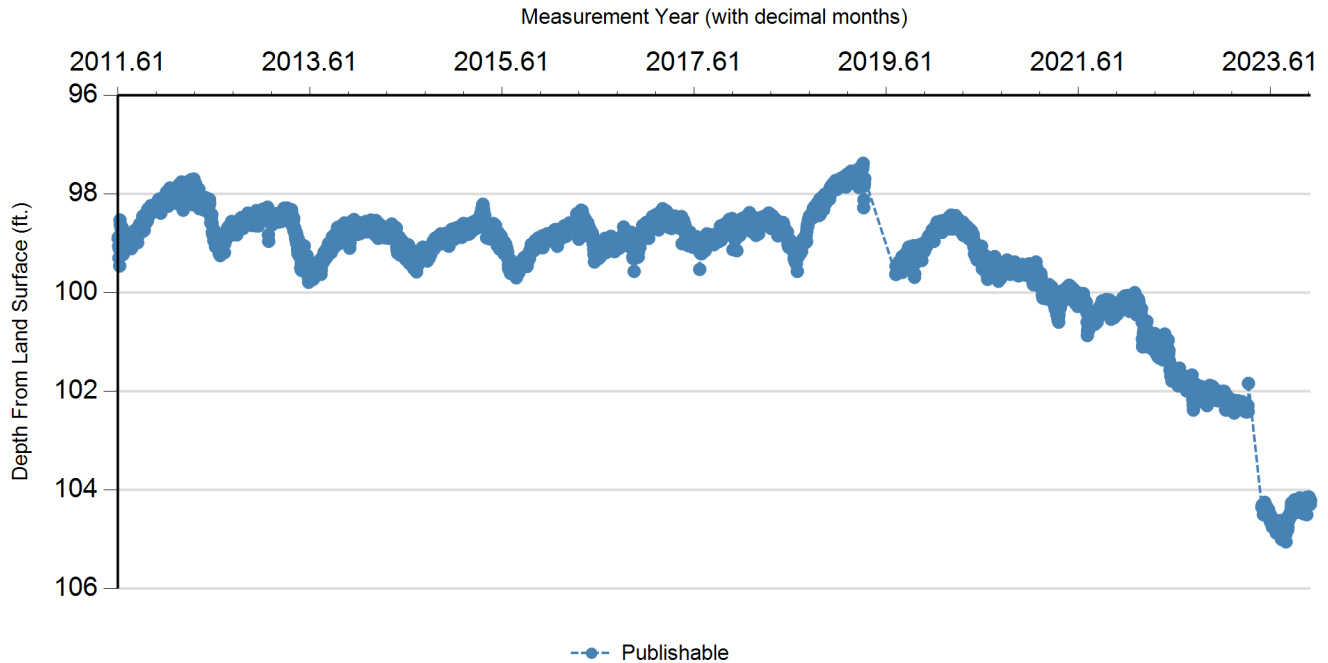
Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
8	0	20
6	20	180

***Plugged Back - No Data***

***Filter Pack - No Data***

***Packers - No Data***

### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	8/13/2011		98.9		707.1	1	Groundwater Conservation District	Transducer		
P	8/14/2011		98.88	(0.02)	707.12	1	Groundwater Conservation District	Transducer		
P	8/15/2011		99.06	0.18	706.94	1	Groundwater Conservation District	Transducer		
P	8/16/2011		99.3	0.24	706.7	1	Groundwater Conservation District	Transducer		
P	8/17/2011		99.11	(0.19)	706.89	1	Groundwater Conservation District	Transducer		
P	8/18/2011		99.08	(0.03)	706.92	1	Groundwater Conservation District	Transducer		
P	8/19/2011		99.46	0.38	706.54	1	Groundwater Conservation District	Transducer		
P	8/20/2011		98.53	(0.93)	707.47	1	Groundwater Conservation District	Transducer		
P	8/21/2011		98.62	0.09	707.38	1	Groundwater Conservation District	Transducer		
P	8/22/2011		98.65	0.03	707.35	1	Groundwater Conservation District	Transducer		
P	8/23/2011		98.95	0.30	707.05	1	Groundwater Conservation District	Transducer		
P	8/24/2011		98.65	(0.30)	707.35	1	Groundwater Conservation District	Transducer		
P	8/25/2011		98.73	0.08	707.27	1	Groundwater Conservation District	Transducer		
P	8/26/2011		98.98	0.25	707.02	1	Groundwater Conservation District	Transducer		



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P	8/27/2011		98.9	(0.08)	707.1	1	Groundwater Conservation District	Transducer		
P	8/28/2011		98.79	(0.11)	707.21	1	Groundwater Conservation District	Transducer		
P	8/29/2011		98.69	(0.10)	707.31	1	Groundwater Conservation District	Transducer		
P	8/30/2011		99.16	0.47	706.84	1	Groundwater Conservation District	Transducer		
P	8/31/2011		98.94	(0.22)	707.06	1	Groundwater Conservation District	Transducer		
P	9/1/2011		98.97	0.03	707.03	1	Groundwater Conservation District	Transducer		
P	9/2/2011		99.23	0.26	706.77	1	Groundwater Conservation District	Transducer		
P	9/3/2011		99.04	(0.19)	706.96	1	Groundwater Conservation District	Transducer		
P	9/4/2011		98.94	(0.10)	707.06	1	Groundwater Conservation District	Transducer		
P	9/5/2011		98.82	(0.12)	707.18	1	Groundwater Conservation District	Transducer		
P	9/6/2011		98.89	0.07	707.11	1	Groundwater Conservation District	Transducer		
P	9/7/2011		98.79	(0.10)	707.21	1	Groundwater Conservation District	Transducer		
P	9/8/2011		98.8	0.01	707.2	1	Groundwater Conservation District	Transducer		
P	9/9/2011		98.92	0.12	707.08	1	Groundwater Conservation District	Transducer		
P	9/10/2011		98.97	0.05	707.03	1	Groundwater Conservation District	Transducer		
P	9/11/2011		98.98	0.01	707.02	1	Groundwater Conservation District	Transducer		
P	9/12/2011		99.04	0.06	706.96	1	Groundwater Conservation District	Transducer		
P	9/13/2011		99.07	0.03	706.93	1	Groundwater Conservation District	Transducer		
P	9/14/2011		99.12	0.05	706.88	1	Groundwater Conservation District	Transducer		
P	9/15/2011		99.09	(0.03)	706.91	1	Groundwater Conservation District	Transducer		
P	9/16/2011		99.04	(0.05)	706.96	1	Groundwater Conservation District	Transducer		
P	9/17/2011		98.87	(0.17)	707.13	1	Groundwater Conservation District	Transducer		
P	9/18/2011		99.05	0.18	706.95	1	Groundwater Conservation District	Transducer		
P	9/19/2011		99.03	(0.02)	706.97	1	Groundwater Conservation District	Transducer		
P	9/20/2011		98.94	(0.09)	707.06	1	Groundwater Conservation District	Transducer		
P	9/21/2011		98.88	(0.06)	707.12	1	Groundwater Conservation District	Transducer		
P	9/22/2011		98.86	(0.02)	707.14	1	Groundwater Conservation District	Transducer		

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P	9/23/2011		99	0.14	707	1	Groundwater Conservation District	Transducer		
P	9/24/2011		98.89	(0.11)	707.11	1	Groundwater Conservation District	Transducer		
P	9/25/2011		99	0.11	707	1	Groundwater Conservation District	Transducer		
P	9/26/2011		99.07	0.07	706.93	1	Groundwater Conservation District	Transducer		
P	9/27/2011		98.99	(0.08)	707.01	1	Groundwater Conservation District	Transducer		
P	9/28/2011		99.02	0.03	706.98	1	Groundwater Conservation District	Transducer		
P	9/29/2011		99.07	0.05	706.93	1	Groundwater Conservation District	Transducer		
P	9/30/2011		99.03	(0.04)	706.97	1	Groundwater Conservation District	Transducer		
P	10/1/2011		99	(0.03)	707	1	Groundwater Conservation District	Transducer		
P	10/2/2011		98.91	(0.09)	707.09	1	Groundwater Conservation District	Transducer		
P	10/3/2011		99.11	0.20	706.89	1	Groundwater Conservation District	Transducer		
P	10/4/2011		99	(0.11)	707	1	Groundwater Conservation District	Transducer		
P	10/5/2011		99.09	0.09	706.91	1	Groundwater Conservation District	Transducer		
P	10/6/2011		98.97	(0.12)	707.03	1	Groundwater Conservation District	Transducer		
P	10/7/2011		99.02	0.05	706.98	1	Groundwater Conservation District	Transducer		
P	10/8/2011		98.98	(0.04)	707.02	1	Groundwater Conservation District	Transducer		
P	10/9/2011		98.9	(0.08)	707.1	1	Groundwater Conservation District	Transducer		
P	10/10/2011		98.95	0.05	707.05	1	Groundwater Conservation District	Transducer		
P	10/11/2011		98.98	0.03	707.02	1	Groundwater Conservation District	Transducer		
P	10/12/2011		98.89	(0.09)	707.11	1	Groundwater Conservation District	Transducer		
P	10/13/2011		98.84	(0.05)	707.16	1	Groundwater Conservation District	Transducer		
P	10/14/2011		98.85	0.01	707.15	1	Groundwater Conservation District	Transducer		
P	10/15/2011		98.8	(0.05)	707.2	1	Groundwater Conservation District	Transducer		
P	10/16/2011		98.74	(0.06)	707.26	1	Groundwater Conservation District	Transducer		
P	10/17/2011		98.9	0.16	707.1	1	Groundwater Conservation District	Transducer		
P	10/18/2011		98.75	(0.15)	707.25	1	Groundwater Conservation District	Transducer		
P	10/19/2011		98.89	0.14	707.11	1	Groundwater Conservation District	Transducer		

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P	10/20/2011		98.73	(0.16)	707.27	1	Groundwater Conservation District	Transducer		
P	10/21/2011		98.78	0.05	707.22	1	Groundwater Conservation District	Transducer		
P	10/22/2011		98.81	0.03	707.19	1	Groundwater Conservation District	Transducer		
P	10/23/2011		98.87	0.06	707.13	1	Groundwater Conservation District	Transducer		
P	10/24/2011		98.91	0.04	707.09	1	Groundwater Conservation District	Transducer		
P	10/25/2011		98.88	(0.03)	707.12	1	Groundwater Conservation District	Transducer		
P	10/26/2011		98.91	0.03	707.09	1	Groundwater Conservation District	Transducer		
P	10/27/2011		98.99	0.08	707.01	1	Groundwater Conservation District	Transducer		
P	10/28/2011		98.72	(0.27)	707.28	1	Groundwater Conservation District	Transducer		
P	10/29/2011		98.69	(0.03)	707.31	1	Groundwater Conservation District	Transducer		
P	10/30/2011		98.79	0.10	707.21	1	Groundwater Conservation District	Transducer		
P	10/31/2011		98.78	(0.01)	707.22	1	Groundwater Conservation District	Transducer		
P	11/1/2011		98.73	(0.05)	707.27	1	Groundwater Conservation District	Transducer		
P	11/2/2011		98.77	0.04	707.23	1	Groundwater Conservation District	Transducer		
P	11/3/2011		98.7	(0.07)	707.3	1	Groundwater Conservation District	Transducer		
P	11/4/2011		98.64	(0.06)	707.36	1	Groundwater Conservation District	Transducer		
P	11/5/2011		98.61	(0.03)	707.39	1	Groundwater Conservation District	Transducer		
P	11/6/2011		98.67	0.06	707.33	1	Groundwater Conservation District	Transducer		
P	11/7/2011		98.64	(0.03)	707.36	1	Groundwater Conservation District	Transducer		
P	11/8/2011		98.68	0.04	707.32	1	Groundwater Conservation District	Transducer		
P	11/9/2011		98.65	(0.03)	707.35	1	Groundwater Conservation District	Transducer		
P	11/10/2011		98.62	(0.03)	707.38	1	Groundwater Conservation District	Transducer		
P	11/11/2011		98.58	(0.04)	707.42	1	Groundwater Conservation District	Transducer		
P	11/12/2011		98.57	(0.01)	707.43	1	Groundwater Conservation District	Transducer		
P	11/13/2011		98.66	0.09	707.34	1	Groundwater Conservation District	Transducer		
P	11/14/2011		98.77	0.11	707.23	1	Groundwater Conservation District	Transducer		
P	11/15/2011		98.68	(0.09)	707.32	1	Groundwater Conservation District	Transducer		

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P	11/16/2011		98.67	(0.01)	707.33	1	Groundwater Conservation District	Transducer		
P	11/17/2011		98.45	(0.22)	707.55	1	Groundwater Conservation District	Transducer		
P	11/18/2011		98.5	0.05	707.5	1	Groundwater Conservation District	Transducer		
P	11/19/2011		98.6	0.10	707.4	1	Groundwater Conservation District	Transducer		
P	11/20/2011		98.58	(0.02)	707.42	1	Groundwater Conservation District	Transducer		
P	11/21/2011		98.67	0.09	707.33	1	Groundwater Conservation District	Transducer		
P	11/22/2011		98.74	0.07	707.26	1	Groundwater Conservation District	Transducer		
P	11/23/2011		98.5	(0.24)	707.5	1	Groundwater Conservation District	Transducer		
P	11/24/2011		98.51	0.01	707.49	1	Groundwater Conservation District	Transducer		
P	11/25/2011		98.58	0.07	707.42	1	Groundwater Conservation District	Transducer		
P	11/26/2011		98.57	(0.01)	707.43	1	Groundwater Conservation District	Transducer		
P	11/27/2011		98.41	(0.16)	707.59	1	Groundwater Conservation District	Transducer		
P	11/28/2011		98.6	0.19	707.4	1	Groundwater Conservation District	Transducer		
P	11/29/2011		98.46	(0.14)	707.54	1	Groundwater Conservation District	Transducer		
P	11/30/2011		98.43	(0.03)	707.57	1	Groundwater Conservation District	Transducer		
P	12/1/2011		98.45	0.02	707.55	1	Groundwater Conservation District	Transducer		
P	12/2/2011		98.49	0.04	707.51	1	Groundwater Conservation District	Transducer		
P	12/3/2011		98.45	(0.04)	707.55	1	Groundwater Conservation District	Transducer		
P	12/4/2011		98.55	0.10	707.45	1	Groundwater Conservation District	Transducer		
P	12/5/2011		98.48	(0.07)	707.52	1	Groundwater Conservation District	Transducer		
P	12/6/2011		98.31	(0.17)	707.69	1	Groundwater Conservation District	Transducer		
P	12/7/2011		98.42	0.11	707.58	1	Groundwater Conservation District	Transducer		
P	12/8/2011		98.37	(0.05)	707.63	1	Groundwater Conservation District	Transducer		
P	12/9/2011		98.38	0.01	707.62	1	Groundwater Conservation District	Transducer		
P	12/10/2011		98.39	0.01	707.61	1	Groundwater Conservation District	Transducer		
P	12/11/2011		98.33	(0.06)	707.67	1	Groundwater Conservation District	Transducer		
P	12/12/2011		98.33	0.00	707.67	1	Groundwater Conservation District	Transducer		

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P	12/13/2011		98.43	0.10	707.57	1	Groundwater Conservation District	Transducer		
P	12/14/2011		98.37	(0.06)	707.63	1	Groundwater Conservation District	Transducer		
P	12/15/2011		98.37	0.00	707.63	1	Groundwater Conservation District	Transducer		
P	12/16/2011		98.31	(0.06)	707.69	1	Groundwater Conservation District	Transducer		
P	12/17/2011		98.24	(0.07)	707.76	1	Groundwater Conservation District	Transducer		
P	12/18/2011		98.39	0.15	707.61	1	Groundwater Conservation District	Transducer		
P	12/19/2011		98.38	(0.01)	707.62	1	Groundwater Conservation District	Transducer		
P	12/20/2011		98.35	(0.03)	707.65	1	Groundwater Conservation District	Transducer		
P	12/21/2011		98.33	(0.02)	707.67	1	Groundwater Conservation District	Transducer		
P	12/22/2011		98.28	(0.05)	707.72	1	Groundwater Conservation District	Transducer		
P	12/23/2011		98.24	(0.04)	707.76	1	Groundwater Conservation District	Transducer		
P	12/24/2011		98.27	0.03	707.73	1	Groundwater Conservation District	Transducer		
P	12/25/2011		98.33	0.06	707.67	1	Groundwater Conservation District	Transducer		
P	12/26/2011		98.35	0.02	707.65	1	Groundwater Conservation District	Transducer		
P	12/27/2011		98.28	(0.07)	707.72	1	Groundwater Conservation District	Transducer		
P	12/28/2011		98.29	0.01	707.71	1	Groundwater Conservation District	Transducer		
P	12/29/2011		98.24	(0.05)	707.76	1	Groundwater Conservation District	Transducer		
P	12/30/2011		98.33	0.09	707.67	1	Groundwater Conservation District	Transducer		
P	12/31/2011		98.22	(0.11)	707.78	1	Groundwater Conservation District	Transducer		
P	1/1/2012		98.31	0.09	707.69	1	Groundwater Conservation District	Transducer		
P	1/2/2012		98.27	(0.04)	707.73	1	Groundwater Conservation District	Transducer		
P	1/3/2012		98.23	(0.04)	707.77	1	Groundwater Conservation District	Transducer		
P	1/4/2012		98.23	0.00	707.77	1	Groundwater Conservation District	Transducer		
P	1/5/2012		98.33	0.10	707.67	1	Groundwater Conservation District	Transducer		
P	1/6/2012		98.25	(0.08)	707.75	1	Groundwater Conservation District	Transducer		
P	1/7/2012		98.23	(0.02)	707.77	1	Groundwater Conservation District	Transducer		
P	1/8/2012		98.34	0.11	707.66	1	Groundwater Conservation District	Transducer		



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P	1/9/2012		98.29	(0.05)	707.71	1	Groundwater Conservation District	Transducer		
P	1/10/2012		98.15	(0.14)	707.85	1	Groundwater Conservation District	Transducer		
P	1/11/2012		98.26	0.11	707.74	1	Groundwater Conservation District	Transducer		
P	1/12/2012		98.11	(0.15)	707.89	1	Groundwater Conservation District	Transducer		
P	1/13/2012		98.12	0.01	707.88	1	Groundwater Conservation District	Transducer		
P	1/14/2012		98.12	0.00	707.88	1	Groundwater Conservation District	Transducer		
P	1/15/2012		98.13	0.01	707.87	1	Groundwater Conservation District	Transducer		
P	1/16/2012		98.27	0.14	707.73	1	Groundwater Conservation District	Transducer		
P	1/17/2012		98.25	(0.02)	707.75	1	Groundwater Conservation District	Transducer		
P	1/18/2012		98.17	(0.08)	707.83	1	Groundwater Conservation District	Transducer		
P	1/19/2012		98.21	0.04	707.79	1	Groundwater Conservation District	Transducer		
P	1/20/2012		98.39	0.18	707.61	1	Groundwater Conservation District	Transducer		
P	1/21/2012		98.19	(0.20)	707.81	1	Groundwater Conservation District	Transducer		
P	1/22/2012		98.18	(0.01)	707.82	1	Groundwater Conservation District	Transducer		
P	1/23/2012		98.25	0.07	707.75	1	Groundwater Conservation District	Transducer		
P	1/24/2012		98.16	(0.09)	707.84	1	Groundwater Conservation District	Transducer		
P	1/25/2012		98.19	0.03	707.81	1	Groundwater Conservation District	Transducer		
P	1/26/2012		98.18	(0.01)	707.82	1	Groundwater Conservation District	Transducer		
P	1/27/2012		98.09	(0.09)	707.91	1	Groundwater Conservation District	Transducer		
P	1/28/2012		98.11	0.02	707.89	1	Groundwater Conservation District	Transducer		
P	1/29/2012		98.07	(0.04)	707.93	1	Groundwater Conservation District	Transducer		
P	1/30/2012		98.1	0.03	707.9	1	Groundwater Conservation District	Transducer		
P	1/31/2012		98.19	0.09	707.81	1	Groundwater Conservation District	Transducer		
P	2/1/2012		98.1	(0.09)	707.9	1	Groundwater Conservation District	Transducer		
P	2/2/2012		98.1	0.00	707.9	1	Groundwater Conservation District	Transducer		
P	2/3/2012		98.19	0.09	707.81	1	Groundwater Conservation District	Transducer		
P	2/4/2012		98.23	0.04	707.77	1	Groundwater Conservation District	Transducer		

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P	2/5/2012		98.11	(0.12)	707.89	1	Groundwater Conservation District	Transducer		
P	2/6/2012		98.1	(0.01)	707.9	1	Groundwater Conservation District	Transducer		
P	2/7/2012		98.1	0.00	707.9	1	Groundwater Conservation District	Transducer		
P	2/8/2012		98.1	0.00	707.9	1	Groundwater Conservation District	Transducer		
P	2/9/2012		98.11	0.01	707.89	1	Groundwater Conservation District	Transducer		
P	2/10/2012		98.09	(0.02)	707.91	1	Groundwater Conservation District	Transducer		
P	2/11/2012		98.06	(0.03)	707.94	1	Groundwater Conservation District	Transducer		
P	2/12/2012		97.96	(0.10)	708.04	1	Groundwater Conservation District	Transducer		
P	2/13/2012		98.21	0.25	707.79	1	Groundwater Conservation District	Transducer		
P	2/14/2012		98.08	(0.13)	707.92	1	Groundwater Conservation District	Transducer		
P	2/15/2012		98.07	(0.01)	707.93	1	Groundwater Conservation District	Transducer		
P	2/16/2012		98.17	0.10	707.83	1	Groundwater Conservation District	Transducer		
P	2/17/2012		98.01	(0.16)	707.99	1	Groundwater Conservation District	Transducer		
P	2/18/2012		98.25	0.24	707.75	1	Groundwater Conservation District	Transducer		
P	2/19/2012		98.03	(0.22)	707.97	1	Groundwater Conservation District	Transducer		
P	2/20/2012		98.03	0.00	707.97	1	Groundwater Conservation District	Transducer		
P	2/21/2012		98.04	0.01	707.96	1	Groundwater Conservation District	Transducer		
P	2/22/2012		98.07	0.03	707.93	1	Groundwater Conservation District	Transducer		
P	2/23/2012		98.08	0.01	707.92	1	Groundwater Conservation District	Transducer		
P	2/24/2012		97.96	(0.12)	708.04	1	Groundwater Conservation District	Transducer		
P	2/25/2012		97.88	(0.08)	708.12	1	Groundwater Conservation District	Transducer		
P	2/26/2012		97.94	0.06	708.06	1	Groundwater Conservation District	Transducer		
P	2/27/2012		98.08	0.14	707.92	1	Groundwater Conservation District	Transducer		
P	2/28/2012		97.97	(0.11)	708.03	1	Groundwater Conservation District	Transducer		
P	2/29/2012		97.96	(0.01)	708.04	1	Groundwater Conservation District	Transducer		
P	3/1/2012		98.15	0.19	707.85	1	Groundwater Conservation District	Transducer		
P	3/2/2012		98	(0.15)	708	1	Groundwater Conservation District	Transducer		

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P	3/3/2012		97.97	(0.03)	708.03	1	Groundwater Conservation District	Transducer		
P	3/4/2012		97.95	(0.02)	708.05	1	Groundwater Conservation District	Transducer		
P	3/5/2012		98.04	0.09	707.96	1	Groundwater Conservation District	Transducer		
P	3/6/2012		97.96	(0.08)	708.04	1	Groundwater Conservation District	Transducer		
P	3/7/2012		98.12	0.16	707.88	1	Groundwater Conservation District	Transducer		
P	3/8/2012		98.17	0.05	707.83	1	Groundwater Conservation District	Transducer		
P	3/9/2012		98.11	(0.06)	707.89	1	Groundwater Conservation District	Transducer		
P	3/10/2012		98.03	(0.08)	707.97	1	Groundwater Conservation District	Transducer		
P	3/11/2012		98.09	0.06	707.91	1	Groundwater Conservation District	Transducer		
P	3/12/2012		98.14	0.05	707.86	1	Groundwater Conservation District	Transducer		
P	3/13/2012		98.1	(0.04)	707.9	1	Groundwater Conservation District	Transducer		
P	3/14/2012		98.13	0.03	707.87	1	Groundwater Conservation District	Transducer		
P	3/15/2012		98.01	(0.12)	707.99	1	Groundwater Conservation District	Transducer		
P	3/16/2012		97.95	(0.06)	708.05	1	Groundwater Conservation District	Transducer		
P	3/17/2012		98.13	0.18	707.87	1	Groundwater Conservation District	Transducer		
P	3/18/2012		97.98	(0.15)	708.02	1	Groundwater Conservation District	Transducer		
P	3/19/2012		98.19	0.21	707.81	1	Groundwater Conservation District	Transducer		
P	3/20/2012		98.05	(0.14)	707.95	1	Groundwater Conservation District	Transducer		
P	3/21/2012		97.93	(0.12)	708.07	1	Groundwater Conservation District	Transducer		
P	3/22/2012		97.93	0.00	708.07	1	Groundwater Conservation District	Transducer		
P	3/23/2012		97.94	0.01	708.06	1	Groundwater Conservation District	Transducer		
P	3/24/2012		97.9	(0.04)	708.1	1	Groundwater Conservation District	Transducer		
P	3/25/2012		97.9	0.00	708.1	1	Groundwater Conservation District	Transducer		
P	3/26/2012		97.87	(0.03)	708.13	1	Groundwater Conservation District	Transducer		
P	3/27/2012		97.92	0.05	708.08	1	Groundwater Conservation District	Transducer		
P	3/28/2012		97.84	(0.08)	708.16	1	Groundwater Conservation District	Transducer		
P	3/29/2012		97.86	0.02	708.14	1	Groundwater Conservation District	Transducer		

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P	3/30/2012		97.81	(0.05)	708.19	1	Groundwater Conservation District	Transducer		
P	3/31/2012		97.83	0.02	708.17	1	Groundwater Conservation District	Transducer		
P	4/1/2012		97.93	0.10	708.07	1	Groundwater Conservation District	Transducer		
P	4/2/2012		98.14	0.21	707.86	1	Groundwater Conservation District	Transducer		
P	4/3/2012		97.88	(0.26)	708.12	1	Groundwater Conservation District	Transducer		
P	4/4/2012		97.83	(0.05)	708.17	1	Groundwater Conservation District	Transducer		
P	4/5/2012		97.92	0.09	708.08	1	Groundwater Conservation District	Transducer		
P	4/6/2012		98.23	0.31	707.77	1	Groundwater Conservation District	Transducer		
P	4/7/2012		97.85	(0.38)	708.15	1	Groundwater Conservation District	Transducer		
P	4/8/2012		97.76	(0.09)	708.24	1	Groundwater Conservation District	Transducer		
P	4/9/2012		97.89	0.13	708.11	1	Groundwater Conservation District	Transducer		
P	4/10/2012		97.88	(0.01)	708.12	1	Groundwater Conservation District	Transducer		
P	4/11/2012		97.92	0.04	708.08	1	Groundwater Conservation District	Transducer		
P	4/12/2012		98.05	0.13	707.95	1	Groundwater Conservation District	Transducer		
P	4/13/2012		97.86	(0.19)	708.14	1	Groundwater Conservation District	Transducer		
P	4/14/2012		97.93	0.07	708.07	1	Groundwater Conservation District	Transducer		
P	4/15/2012		98.33	0.40	707.67	1	Groundwater Conservation District	Transducer		
P	4/16/2012		97.84	(0.49)	708.16	1	Groundwater Conservation District	Transducer		
P	4/17/2012		97.83	(0.01)	708.17	1	Groundwater Conservation District	Transducer		
P	4/18/2012		98.09	0.26	707.91	1	Groundwater Conservation District	Transducer		
P	4/19/2012		97.94	(0.15)	708.06	1	Groundwater Conservation District	Transducer		
P	4/20/2012		98.03	0.09	707.97	1	Groundwater Conservation District	Transducer		
P	4/21/2012		97.78	(0.25)	708.22	1	Groundwater Conservation District	Transducer		
P	4/22/2012		97.98	0.20	708.02	1	Groundwater Conservation District	Transducer		
P	4/23/2012		97.92	(0.06)	708.08	1	Groundwater Conservation District	Transducer		
P	4/24/2012		97.92	0.00	708.08	1	Groundwater Conservation District	Transducer		
P	4/25/2012		97.77	(0.15)	708.23	1	Groundwater Conservation District	Transducer		

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P	4/26/2012		97.9	0.13	708.1	1	Groundwater Conservation District	Transducer		
P	4/27/2012		97.95	0.05	708.05	1	Groundwater Conservation District	Transducer		
P	4/28/2012		97.95	0.00	708.05	1	Groundwater Conservation District	Transducer		
P	4/29/2012		97.96	0.01	708.04	1	Groundwater Conservation District	Transducer		
P	4/30/2012		97.86	(0.10)	708.14	1	Groundwater Conservation District	Transducer		
P	5/1/2012		97.98	0.12	708.02	1	Groundwater Conservation District	Transducer		
P	5/2/2012		97.83	(0.15)	708.17	1	Groundwater Conservation District	Transducer		
P	5/3/2012		97.9	0.07	708.1	1	Groundwater Conservation District	Transducer		
P	5/4/2012		97.97	0.07	708.03	1	Groundwater Conservation District	Transducer		
P	5/5/2012		98.18	0.21	707.82	1	Groundwater Conservation District	Transducer		
P	5/6/2012		97.91	(0.27)	708.09	1	Groundwater Conservation District	Transducer		
P	5/7/2012		97.9	(0.01)	708.1	1	Groundwater Conservation District	Transducer		
P	5/8/2012		97.77	(0.13)	708.23	1	Groundwater Conservation District	Transducer		
P	5/9/2012		97.76	(0.01)	708.24	1	Groundwater Conservation District	Transducer		
P	5/10/2012		97.85	0.09	708.15	1	Groundwater Conservation District	Transducer		
P	5/11/2012		97.75	(0.10)	708.25	1	Groundwater Conservation District	Transducer		
P	5/12/2012		97.73	(0.02)	708.27	1	Groundwater Conservation District	Transducer		
P	5/13/2012		97.72	(0.01)	708.28	1	Groundwater Conservation District	Transducer		
P	5/14/2012		97.75	0.03	708.25	1	Groundwater Conservation District	Transducer		
P	5/15/2012		97.89	0.14	708.11	1	Groundwater Conservation District	Transducer		
P	5/16/2012		97.73	(0.16)	708.27	1	Groundwater Conservation District	Transducer		
P	5/17/2012		97.78	0.05	708.22	1	Groundwater Conservation District	Transducer		
P	5/18/2012		97.71	(0.07)	708.29	1	Groundwater Conservation District	Transducer		
P	5/19/2012		97.93	0.22	708.07	1	Groundwater Conservation District	Transducer		
P	5/20/2012		97.84	(0.09)	708.16	1	Groundwater Conservation District	Transducer		
P	5/21/2012		98.22	0.38	707.78	1	Groundwater Conservation District	Transducer		
P	5/22/2012		97.79	(0.43)	708.21	1	Groundwater Conservation District	Transducer		



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P	5/23/2012		98.06	0.27	707.94	1	Groundwater Conservation District	Transducer		
P	5/24/2012		97.93	(0.13)	708.07	1	Groundwater Conservation District	Transducer		
P	5/25/2012		97.88	(0.05)	708.12	1	Groundwater Conservation District	Transducer		
P	5/26/2012		97.7	(0.18)	708.3	1	Groundwater Conservation District	Transducer		
P	5/27/2012		97.77	0.07	708.23	1	Groundwater Conservation District	Transducer		
P	5/28/2012		97.97	0.20	708.03	1	Groundwater Conservation District	Transducer		
P	5/29/2012		97.85	(0.12)	708.15	1	Groundwater Conservation District	Transducer		
P	5/30/2012		98.05	0.20	707.95	1	Groundwater Conservation District	Transducer		
P	5/31/2012		97.93	(0.12)	708.07	1	Groundwater Conservation District	Transducer		
P	6/1/2012		97.8	(0.13)	708.2	1	Groundwater Conservation District	Transducer		
P	6/2/2012		97.79	(0.01)	708.21	1	Groundwater Conservation District	Transducer		
P	6/3/2012		97.84	0.05	708.16	1	Groundwater Conservation District	Transducer		
P	6/4/2012		97.97	0.13	708.03	1	Groundwater Conservation District	Transducer		
P	6/5/2012		97.9	(0.07)	708.1	1	Groundwater Conservation District	Transducer		
P	6/6/2012		97.85	(0.05)	708.15	1	Groundwater Conservation District	Transducer		
P	6/7/2012		97.95	0.10	708.05	1	Groundwater Conservation District	Transducer		
P	6/8/2012		98.04	0.09	707.96	1	Groundwater Conservation District	Transducer		
P	6/9/2012		98.2	0.16	707.8	1	Groundwater Conservation District	Transducer		
P	6/10/2012		97.95	(0.25)	708.05	1	Groundwater Conservation District	Transducer		
P	6/11/2012		97.99	0.04	708.01	1	Groundwater Conservation District	Transducer		
P	6/12/2012		98.05	0.06	707.95	1	Groundwater Conservation District	Transducer		
P	6/13/2012		98	(0.05)	708	1	Groundwater Conservation District	Transducer		
P	6/14/2012		98.12	0.12	707.88	1	Groundwater Conservation District	Transducer		
P	6/15/2012		97.91	(0.21)	708.09	1	Groundwater Conservation District	Transducer		
P	6/16/2012		98.13	0.22	707.87	1	Groundwater Conservation District	Transducer		
P	6/17/2012		98.3	0.17	707.7	1	Groundwater Conservation District	Transducer		
P	6/18/2012		98.26	(0.04)	707.74	1	Groundwater Conservation District	Transducer		

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P	6/19/2012		98.03	(0.23)	707.97	1	Groundwater Conservation District	Transducer		
P	6/20/2012		98.2	0.17	707.8	1	Groundwater Conservation District	Transducer		
P	6/21/2012		98.29	0.09	707.71	1	Groundwater Conservation District	Transducer		
P	6/22/2012		98.27	(0.02)	707.73	1	Groundwater Conservation District	Transducer		
P	6/23/2012		98.26	(0.01)	707.74	1	Groundwater Conservation District	Transducer		
P	6/24/2012		98.24	(0.02)	707.76	1	Groundwater Conservation District	Transducer		
P	6/25/2012		98.17	(0.07)	707.83	1	Groundwater Conservation District	Transducer		
P	6/26/2012		98.15	(0.02)	707.85	1	Groundwater Conservation District	Transducer		
P	6/27/2012		98.28	0.13	707.72	1	Groundwater Conservation District	Transducer		
P	6/28/2012		98.31	0.03	707.69	1	Groundwater Conservation District	Transducer		
P	6/29/2012		98.27	(0.04)	707.73	1	Groundwater Conservation District	Transducer		
P	6/30/2012		98.21	(0.06)	707.79	1	Groundwater Conservation District	Transducer		
P	7/1/2012		98.28	0.07	707.72	1	Groundwater Conservation District	Transducer		
P	7/2/2012		98.21	(0.07)	707.79	1	Groundwater Conservation District	Transducer		
P	7/3/2012		98.24	0.03	707.76	1	Groundwater Conservation District	Transducer		
P	7/4/2012		98.25	0.01	707.75	1	Groundwater Conservation District	Transducer		
P	7/5/2012		98.33	0.08	707.67	1	Groundwater Conservation District	Transducer		
P	7/6/2012		98.19	(0.14)	707.81	1	Groundwater Conservation District	Transducer		
P	7/7/2012		98.28	0.09	707.72	1	Groundwater Conservation District	Transducer		
P	7/8/2012		98.15	(0.13)	707.85	1	Groundwater Conservation District	Transducer		
P	7/9/2012		98.18	0.03	707.82	1	Groundwater Conservation District	Transducer		
P	7/10/2012		98.08	(0.10)	707.92	1	Groundwater Conservation District	Transducer		
P	7/11/2012		98.14	0.06	707.86	1	Groundwater Conservation District	Transducer		
P	7/12/2012		98.08	(0.06)	707.92	1	Groundwater Conservation District	Transducer		
P	7/13/2012		98.12	0.04	707.88	1	Groundwater Conservation District	Transducer		
P	7/14/2012		98.1	(0.02)	707.9	1	Groundwater Conservation District	Transducer		
P	7/15/2012		98.16	0.06	707.84	1	Groundwater Conservation District	Transducer		

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P	7/16/2012		98.15	(0.01)	707.85	1	Groundwater Conservation District	Transducer		
P	7/17/2012		98.23	0.08	707.77	1	Groundwater Conservation District	Transducer		
P	7/18/2012		98.16	(0.07)	707.84	1	Groundwater Conservation District	Transducer		
P	7/19/2012		98.27	0.11	707.73	1	Groundwater Conservation District	Transducer		
P	7/20/2012		98.2	(0.07)	707.8	1	Groundwater Conservation District	Transducer		
P	7/21/2012		98.21	0.01	707.79	1	Groundwater Conservation District	Transducer		
P	7/22/2012		98.3	0.09	707.7	1	Groundwater Conservation District	Transducer		
P	7/23/2012		98.19	(0.11)	707.81	1	Groundwater Conservation District	Transducer		
P	7/24/2012		98.23	0.04	707.77	1	Groundwater Conservation District	Transducer		
P	7/25/2012		98.11	(0.12)	707.89	1	Groundwater Conservation District	Transducer		
P	7/26/2012		98.19	0.08	707.81	1	Groundwater Conservation District	Transducer		
P	7/27/2012		98.4	0.21	707.6	1	Groundwater Conservation District	Transducer		
P	7/28/2012		98.43	0.03	707.57	1	Groundwater Conservation District	Transducer		
P	7/29/2012		98.42	(0.01)	707.58	1	Groundwater Conservation District	Transducer		
P	7/30/2012		98.59	0.17	707.41	1	Groundwater Conservation District	Transducer		
P	7/31/2012		98.57	(0.02)	707.43	1	Groundwater Conservation District	Transducer		
P	8/1/2012		98.44	(0.13)	707.56	1	Groundwater Conservation District	Transducer		
P	8/2/2012		98.51	0.07	707.49	1	Groundwater Conservation District	Transducer		
P	8/3/2012		98.59	0.08	707.41	1	Groundwater Conservation District	Transducer		
P	8/4/2012		98.42	(0.17)	707.58	1	Groundwater Conservation District	Transducer		
P	8/5/2012		98.6	0.18	707.4	1	Groundwater Conservation District	Transducer		
P	8/6/2012		98.78	0.18	707.22	1	Groundwater Conservation District	Transducer		
P	8/7/2012		98.77	(0.01)	707.23	1	Groundwater Conservation District	Transducer		
P	8/8/2012		98.83	0.06	707.17	1	Groundwater Conservation District	Transducer		
P	8/9/2012		98.72	(0.11)	707.28	1	Groundwater Conservation District	Transducer		
P	8/10/2012		98.78	0.06	707.22	1	Groundwater Conservation District	Transducer		
P	8/11/2012		98.72	(0.06)	707.28	1	Groundwater Conservation District	Transducer		

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P	8/12/2012		98.95	0.23	707.05	1	Groundwater Conservation District	Transducer		
P	8/13/2012		98.91	(0.04)	707.09	1	Groundwater Conservation District	Transducer		
P	8/14/2012		98.93	0.02	707.07	1	Groundwater Conservation District	Transducer		
P	8/15/2012		98.94	0.01	707.06	1	Groundwater Conservation District	Transducer		
P	8/16/2012		98.97	0.03	707.03	1	Groundwater Conservation District	Transducer		
P	8/17/2012		98.88	(0.09)	707.12	1	Groundwater Conservation District	Transducer		
P	8/18/2012		99.07	0.19	706.93	1	Groundwater Conservation District	Transducer		
P	8/19/2012		98.98	(0.09)	707.02	1	Groundwater Conservation District	Transducer		
P	8/20/2012		99.04	0.06	706.96	1	Groundwater Conservation District	Transducer		
P	8/21/2012		98.99	(0.05)	707.01	1	Groundwater Conservation District	Transducer		
P	8/22/2012		98.91	(0.08)	707.09	1	Groundwater Conservation District	Transducer		
P	8/23/2012		98.92	0.01	707.08	1	Groundwater Conservation District	Transducer		
P	8/24/2012		98.93	0.01	707.07	1	Groundwater Conservation District	Transducer		
P	8/25/2012		99.09	0.16	706.91	1	Groundwater Conservation District	Transducer		
P	8/26/2012		99.05	(0.04)	706.95	1	Groundwater Conservation District	Transducer		
P	8/27/2012		99.1	0.05	706.9	1	Groundwater Conservation District	Transducer		
P	8/28/2012		99.04	(0.06)	706.96	1	Groundwater Conservation District	Transducer		
P	8/29/2012		99.12	0.08	706.88	1	Groundwater Conservation District	Transducer		
P	8/30/2012		99.06	(0.06)	706.94	1	Groundwater Conservation District	Transducer		
P	8/31/2012		99.09	0.03	706.91	1	Groundwater Conservation District	Transducer		
P	9/1/2012		99.03	(0.06)	706.97	1	Groundwater Conservation District	Transducer		
P	9/2/2012		99.21	0.18	706.79	1	Groundwater Conservation District	Transducer		
P	9/3/2012		99.16	(0.05)	706.84	1	Groundwater Conservation District	Transducer		
P	9/4/2012		99.19	0.03	706.81	1	Groundwater Conservation District	Transducer		
P	9/5/2012		99.07	(0.12)	706.93	1	Groundwater Conservation District	Transducer		
P	9/6/2012		99.25	0.18	706.75	1	Groundwater Conservation District	Transducer		
P	9/7/2012		99.1	(0.15)	706.9	1	Groundwater Conservation District	Transducer		

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P	9/8/2012		99.13	0.03	706.87	1	Groundwater Conservation District	Transducer		
P	9/9/2012		99	(0.13)	707	1	Groundwater Conservation District	Transducer		
P	9/10/2012		99.2	0.20	706.8	1	Groundwater Conservation District	Transducer		
P	9/11/2012		99.15	(0.05)	706.85	1	Groundwater Conservation District	Transducer		
P	9/12/2012		99.06	(0.09)	706.94	1	Groundwater Conservation District	Transducer		
P	9/13/2012		99.21	0.15	706.79	1	Groundwater Conservation District	Transducer		
P	9/14/2012		98.99	(0.22)	707.01	1	Groundwater Conservation District	Transducer		
P	9/15/2012		98.92	(0.07)	707.08	1	Groundwater Conservation District	Transducer		
P	9/16/2012		98.96	0.04	707.04	1	Groundwater Conservation District	Transducer		
P	9/17/2012		98.91	(0.05)	707.09	1	Groundwater Conservation District	Transducer		
P	9/18/2012		98.91	0.00	707.09	1	Groundwater Conservation District	Transducer		
P	9/19/2012		98.88	(0.03)	707.12	1	Groundwater Conservation District	Transducer		
P	9/20/2012		98.81	(0.07)	707.19	1	Groundwater Conservation District	Transducer		
P	9/21/2012		98.87	0.06	707.13	1	Groundwater Conservation District	Transducer		
P	9/22/2012		99.19	0.32	706.81	1	Groundwater Conservation District	Transducer		
P	9/23/2012		99.01	(0.18)	706.99	1	Groundwater Conservation District	Transducer		
P	9/24/2012		98.95	(0.06)	707.05	1	Groundwater Conservation District	Transducer		
P	9/25/2012		98.96	0.01	707.04	1	Groundwater Conservation District	Transducer		
P	9/26/2012		98.84	(0.12)	707.16	1	Groundwater Conservation District	Transducer		
P	9/27/2012		98.81	(0.03)	707.19	1	Groundwater Conservation District	Transducer		
P	9/28/2012		98.93	0.12	707.07	1	Groundwater Conservation District	Transducer		
P	9/29/2012		98.79	(0.14)	707.21	1	Groundwater Conservation District	Transducer		
P	9/30/2012		98.78	(0.01)	707.22	1	Groundwater Conservation District	Transducer		
P	10/1/2012		98.82	0.04	707.18	1	Groundwater Conservation District	Transducer		
P	10/2/2012		98.74	(0.08)	707.26	1	Groundwater Conservation District	Transducer		
P	10/3/2012		98.7	(0.04)	707.3	1	Groundwater Conservation District	Transducer		
P	10/4/2012		98.77	0.07	707.23	1	Groundwater Conservation District	Transducer		



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P	10/5/2012		98.72	(0.05)	707.28	1	Groundwater Conservation District	Transducer		
P	10/6/2012		98.76	0.04	707.24	1	Groundwater Conservation District	Transducer		
P	10/7/2012		98.67	(0.09)	707.33	1	Groundwater Conservation District	Transducer		
P	10/8/2012		98.73	0.06	707.27	1	Groundwater Conservation District	Transducer		
P	10/9/2012		98.66	(0.07)	707.34	1	Groundwater Conservation District	Transducer		
P	10/10/2012		98.7	0.04	707.3	1	Groundwater Conservation District	Transducer		
P	10/11/2012		98.66	(0.04)	707.34	1	Groundwater Conservation District	Transducer		
P	10/12/2012		98.65	(0.01)	707.35	1	Groundwater Conservation District	Transducer		
P	10/13/2012		98.71	0.06	707.29	1	Groundwater Conservation District	Transducer		
P	10/14/2012		98.72	0.01	707.28	1	Groundwater Conservation District	Transducer		
P	10/15/2012		98.62	(0.10)	707.38	1	Groundwater Conservation District	Transducer		
P	10/16/2012		98.64	0.02	707.36	1	Groundwater Conservation District	Transducer		
P	10/17/2012		98.66	0.02	707.34	1	Groundwater Conservation District	Transducer		
P	10/18/2012		98.63	(0.03)	707.37	1	Groundwater Conservation District	Transducer		
P	10/19/2012		98.56	(0.07)	707.44	1	Groundwater Conservation District	Transducer		
P	10/20/2012		98.68	0.12	707.32	1	Groundwater Conservation District	Transducer		
P	10/21/2012		98.62	(0.06)	707.38	1	Groundwater Conservation District	Transducer		
P	10/22/2012		98.83	0.21	707.17	1	Groundwater Conservation District	Transducer		
P	10/23/2012		98.7	(0.13)	707.3	1	Groundwater Conservation District	Transducer		
P	10/24/2012		98.76	0.06	707.24	1	Groundwater Conservation District	Transducer		
P	10/25/2012		98.69	(0.07)	707.31	1	Groundwater Conservation District	Transducer		
P	10/26/2012		98.75	0.06	707.25	1	Groundwater Conservation District	Transducer		
P	10/27/2012		98.67	(0.08)	707.33	1	Groundwater Conservation District	Transducer		
P	10/28/2012		98.77	0.10	707.23	1	Groundwater Conservation District	Transducer		
P	10/29/2012		98.62	(0.15)	707.38	1	Groundwater Conservation District	Transducer		
P	10/30/2012		98.65	0.03	707.35	1	Groundwater Conservation District	Transducer		
P	10/31/2012		98.6	(0.05)	707.4	1	Groundwater Conservation District	Transducer		

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P	11/1/2012		99.04	0.44	706.96	1	Groundwater Conservation District	Transducer		
P	11/2/2012		98.62	(0.42)	707.38	1	Groundwater Conservation District	Transducer		
P	11/3/2012		98.69	0.07	707.31	1	Groundwater Conservation District	Transducer		
P	11/4/2012		98.6	(0.09)	707.4	1	Groundwater Conservation District	Transducer		
P	11/5/2012		98.75	0.15	707.25	1	Groundwater Conservation District	Transducer		
P	11/6/2012		98.64	(0.11)	707.36	1	Groundwater Conservation District	Transducer		
P	11/7/2012		98.76	0.12	707.24	1	Groundwater Conservation District	Transducer		
P	11/8/2012		98.78	0.02	707.22	1	Groundwater Conservation District	Transducer		
P	11/9/2012		98.83	0.05	707.17	1	Groundwater Conservation District	Transducer		
P	11/10/2012		98.68	(0.15)	707.32	1	Groundwater Conservation District	Transducer		
P	11/11/2012		98.7	0.02	707.3	1	Groundwater Conservation District	Transducer		
P	11/12/2012		98.57	(0.13)	707.43	1	Groundwater Conservation District	Transducer		
P	11/13/2012		98.66	0.09	707.34	1	Groundwater Conservation District	Transducer		
P	11/14/2012		98.6	(0.06)	707.4	1	Groundwater Conservation District	Transducer		
P	11/15/2012		98.74	0.14	707.26	1	Groundwater Conservation District	Transducer		
P	11/16/2012		98.55	(0.19)	707.45	1	Groundwater Conservation District	Transducer		
P	11/17/2012		98.66	0.11	707.34	1	Groundwater Conservation District	Transducer		
P	11/18/2012		98.56	(0.10)	707.44	1	Groundwater Conservation District	Transducer		
P	11/19/2012		98.54	(0.02)	707.46	1	Groundwater Conservation District	Transducer		
P	11/20/2012		98.54	0.00	707.46	1	Groundwater Conservation District	Transducer		
P	11/21/2012		98.67	0.13	707.33	1	Groundwater Conservation District	Transducer		
P	11/22/2012		98.65	(0.02)	707.35	1	Groundwater Conservation District	Transducer		
P	11/23/2012		98.6	(0.05)	707.4	1	Groundwater Conservation District	Transducer		
P	11/24/2012		98.49	(0.11)	707.51	1	Groundwater Conservation District	Transducer		
P	11/25/2012		98.7	0.21	707.3	1	Groundwater Conservation District	Transducer		
P	11/26/2012		98.63	(0.07)	707.37	1	Groundwater Conservation District	Transducer		
P	11/27/2012		98.48	(0.15)	707.52	1	Groundwater Conservation District	Transducer		

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P	11/28/2012		98.54	0.06	707.46	1	Groundwater Conservation District	Transducer		
P	11/29/2012		98.58	0.04	707.42	1	Groundwater Conservation District	Transducer		
P	11/30/2012		98.52	(0.06)	707.48	1	Groundwater Conservation District	Transducer		
P	12/1/2012		98.54	0.02	707.46	1	Groundwater Conservation District	Transducer		
P	12/2/2012		98.52	(0.02)	707.48	1	Groundwater Conservation District	Transducer		
P	12/3/2012		98.7	0.18	707.3	1	Groundwater Conservation District	Transducer		
P	12/4/2012		98.55	(0.15)	707.45	1	Groundwater Conservation District	Transducer		
P	12/5/2012		98.5	(0.05)	707.5	1	Groundwater Conservation District	Transducer		
P	12/6/2012		98.54	0.04	707.46	1	Groundwater Conservation District	Transducer		
P	12/7/2012		98.66	0.12	707.34	1	Groundwater Conservation District	Transducer		
P	12/8/2012		98.61	(0.05)	707.39	1	Groundwater Conservation District	Transducer		
P	12/9/2012		98.55	(0.06)	707.45	1	Groundwater Conservation District	Transducer		
P	12/10/2012		98.62	0.07	707.38	1	Groundwater Conservation District	Transducer		
P	12/11/2012		98.48	(0.14)	707.52	1	Groundwater Conservation District	Transducer		
P	12/12/2012		98.56	0.08	707.44	1	Groundwater Conservation District	Transducer		
P	12/13/2012		98.5	(0.06)	707.5	1	Groundwater Conservation District	Transducer		
P	12/14/2012		98.56	0.06	707.44	1	Groundwater Conservation District	Transducer		
P	12/15/2012		98.51	(0.05)	707.49	1	Groundwater Conservation District	Transducer		
P	12/16/2012		98.63	0.12	707.37	1	Groundwater Conservation District	Transducer		
P	12/17/2012		98.5	(0.13)	707.5	1	Groundwater Conservation District	Transducer		
P	12/18/2012		98.47	(0.03)	707.53	1	Groundwater Conservation District	Transducer		
P	12/19/2012		98.53	0.06	707.47	1	Groundwater Conservation District	Transducer		
P	12/20/2012		98.42	(0.11)	707.58	1	Groundwater Conservation District	Transducer		
P	12/21/2012		98.39	(0.03)	707.61	1	Groundwater Conservation District	Transducer		
P	12/22/2012		98.41	0.02	707.59	1	Groundwater Conservation District	Transducer		
P	12/23/2012		98.53	0.12	707.47	1	Groundwater Conservation District	Transducer		
P	12/24/2012		98.5	(0.03)	707.5	1	Groundwater Conservation District	Transducer		

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P	12/25/2012		98.55	0.05	707.45	1	Groundwater Conservation District	Transducer		
P	12/26/2012		98.44	(0.11)	707.56	1	Groundwater Conservation District	Transducer		
P	12/27/2012		98.62	0.18	707.38	1	Groundwater Conservation District	Transducer		
P	12/28/2012		98.6	(0.02)	707.4	1	Groundwater Conservation District	Transducer		
P	12/29/2012		98.55	(0.05)	707.45	1	Groundwater Conservation District	Transducer		
P	12/30/2012		98.62	0.07	707.38	1	Groundwater Conservation District	Transducer		
P	12/31/2012		98.53	(0.09)	707.47	1	Groundwater Conservation District	Transducer		
P	1/1/2013		98.55	0.02	707.45	1	Groundwater Conservation District	Transducer		
P	1/2/2013		98.64	0.09	707.36	1	Groundwater Conservation District	Transducer		
P	1/3/2013		98.45	(0.19)	707.55	1	Groundwater Conservation District	Transducer		
P	1/4/2013		98.44	(0.01)	707.56	1	Groundwater Conservation District	Transducer		
P	1/5/2013		98.47	0.03	707.53	1	Groundwater Conservation District	Transducer		
P	1/6/2013		98.41	(0.06)	707.59	1	Groundwater Conservation District	Transducer		
P	1/7/2013		98.58	0.17	707.42	1	Groundwater Conservation District	Transducer		
P	1/8/2013		98.55	(0.03)	707.45	1	Groundwater Conservation District	Transducer		
P	1/9/2013		98.44	(0.11)	707.56	1	Groundwater Conservation District	Transducer		
P	1/10/2013		98.47	0.03	707.53	1	Groundwater Conservation District	Transducer		
P	1/11/2013		98.45	(0.02)	707.55	1	Groundwater Conservation District	Transducer		
P	1/12/2013		98.58	0.13	707.42	1	Groundwater Conservation District	Transducer		
P	1/13/2013		98.5	(0.08)	707.5	1	Groundwater Conservation District	Transducer		
P	1/14/2013		98.5	0.00	707.5	1	Groundwater Conservation District	Transducer		
P	1/15/2013		98.43	(0.07)	707.57	1	Groundwater Conservation District	Transducer		
P	1/16/2013		98.38	(0.05)	707.62	1	Groundwater Conservation District	Transducer		
P	1/17/2013		98.49	0.11	707.51	1	Groundwater Conservation District	Transducer		
P	1/18/2013		98.34	(0.15)	707.66	1	Groundwater Conservation District	Transducer		
P	1/19/2013		98.65	0.31	707.35	1	Groundwater Conservation District	Transducer		
P	1/20/2013		98.52	(0.13)	707.48	1	Groundwater Conservation District	Transducer		

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P	1/21/2013		98.6	0.08	707.4	1	Groundwater Conservation District	Transducer		
P	1/22/2013		98.57	(0.03)	707.43	1	Groundwater Conservation District	Transducer		
P	1/23/2013		98.48	(0.09)	707.52	1	Groundwater Conservation District	Transducer		
P	1/24/2013		98.52	0.04	707.48	1	Groundwater Conservation District	Transducer		
P	1/25/2013		98.55	0.03	707.45	1	Groundwater Conservation District	Transducer		
P	1/26/2013		98.65	0.10	707.35	1	Groundwater Conservation District	Transducer		
P	1/27/2013		98.51	(0.14)	707.49	1	Groundwater Conservation District	Transducer		
P	1/28/2013		98.59	0.08	707.41	1	Groundwater Conservation District	Transducer		
P	1/29/2013		98.49	(0.10)	707.51	1	Groundwater Conservation District	Transducer		
P	1/30/2013		98.56	0.07	707.44	1	Groundwater Conservation District	Transducer		
P	1/31/2013		98.4	(0.16)	707.6	1	Groundwater Conservation District	Transducer		
P	2/1/2013		98.43	0.03	707.57	1	Groundwater Conservation District	Transducer		
P	2/2/2013		98.38	(0.05)	707.62	1	Groundwater Conservation District	Transducer		
P	2/3/2013		98.5	0.12	707.5	1	Groundwater Conservation District	Transducer		
P	2/4/2013		98.44	(0.06)	707.56	1	Groundwater Conservation District	Transducer		
P	2/5/2013		98.44	0.00	707.56	1	Groundwater Conservation District	Transducer		
P	2/6/2013		98.38	(0.06)	707.62	1	Groundwater Conservation District	Transducer		
P	2/7/2013		98.51	0.13	707.49	1	Groundwater Conservation District	Transducer		
P	2/8/2013		98.36	(0.15)	707.64	1	Groundwater Conservation District	Transducer		
P	2/9/2013		98.45	0.09	707.55	1	Groundwater Conservation District	Transducer		
P	2/10/2013		98.41	(0.04)	707.59	1	Groundwater Conservation District	Transducer		
P	2/11/2013		98.51	0.10	707.49	1	Groundwater Conservation District	Transducer		
P	2/12/2013		98.41	(0.10)	707.59	1	Groundwater Conservation District	Transducer		
P	2/13/2013		98.31	(0.10)	707.69	1	Groundwater Conservation District	Transducer		
P	2/14/2013		98.41	0.10	707.59	1	Groundwater Conservation District	Transducer		
P	2/15/2013		98.44	0.03	707.56	1	Groundwater Conservation District	Transducer		
P	2/16/2013		98.32	(0.12)	707.68	1	Groundwater Conservation District	Transducer		



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P	2/17/2013		98.44	0.12	707.56	1	Groundwater Conservation District	Transducer		
P	2/18/2013		98.48	0.04	707.52	1	Groundwater Conservation District	Transducer		
P	2/19/2013		98.39	(0.09)	707.61	1	Groundwater Conservation District	Transducer		
P	2/20/2013		98.4	0.01	707.6	1	Groundwater Conservation District	Transducer		
P	2/21/2013		98.5	0.10	707.5	1	Groundwater Conservation District	Transducer		
P	2/22/2013		98.36	(0.14)	707.64	1	Groundwater Conservation District	Transducer		
P	2/23/2013		98.46	0.10	707.54	1	Groundwater Conservation District	Transducer		
P	2/24/2013		98.36	(0.10)	707.64	1	Groundwater Conservation District	Transducer		
P	2/25/2013		98.53	0.17	707.47	1	Groundwater Conservation District	Transducer		
P	2/26/2013		98.37	(0.16)	707.63	1	Groundwater Conservation District	Transducer		
P	2/27/2013		98.43	0.06	707.57	1	Groundwater Conservation District	Transducer		
P	2/28/2013		98.28	(0.15)	707.72	1	Groundwater Conservation District	Transducer		
P	3/1/2013		98.27	(0.01)	707.73	1	Groundwater Conservation District	Transducer		
P	3/2/2013		98.34	0.07	707.66	1	Groundwater Conservation District	Transducer		
P	3/3/2013		98.45	0.11	707.55	1	Groundwater Conservation District	Transducer		
P	3/4/2013		98.83	0.38	707.17	1	Groundwater Conservation District	Transducer		
P	3/5/2013		98.96	0.13	707.04	1	Groundwater Conservation District	Transducer		
P	3/6/2013		98.5	(0.46)	707.5	1	Groundwater Conservation District	Transducer		
P	3/7/2013		98.54	0.04	707.46	1	Groundwater Conservation District	Transducer		
P	3/8/2013		98.53	(0.01)	707.47	1	Groundwater Conservation District	Transducer		
P	3/9/2013		98.49	(0.04)	707.51	1	Groundwater Conservation District	Transducer		
P	3/10/2013		98.48	(0.01)	707.52	1	Groundwater Conservation District	Transducer		
P	3/11/2013		98.5	0.02	707.5	1	Groundwater Conservation District	Transducer		
P	3/12/2013		98.49	(0.01)	707.51	1	Groundwater Conservation District	Transducer		
P	3/13/2013		98.44	(0.05)	707.56	1	Groundwater Conservation District	Transducer		
P	3/14/2013		98.48	0.04	707.52	1	Groundwater Conservation District	Transducer		
P	3/15/2013		98.49	0.01	707.51	1	Groundwater Conservation District	Transducer		

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P	3/16/2013		98.57	0.08	707.43	1	Groundwater Conservation District	Transducer		
P	3/17/2013		98.63	0.06	707.37	1	Groundwater Conservation District	Transducer		
P	3/18/2013		98.56	(0.07)	707.44	1	Groundwater Conservation District	Transducer		
P	3/19/2013		98.48	(0.08)	707.52	1	Groundwater Conservation District	Transducer		
P	3/20/2013		98.49	0.01	707.51	1	Groundwater Conservation District	Transducer		
P	3/21/2013		98.5	0.01	707.5	1	Groundwater Conservation District	Transducer		
P	3/22/2013		98.61	0.11	707.39	1	Groundwater Conservation District	Transducer		
P	3/23/2013		98.46	(0.15)	707.54	1	Groundwater Conservation District	Transducer		
P	3/24/2013		98.54	0.08	707.46	1	Groundwater Conservation District	Transducer		
P	3/25/2013		98.45	(0.09)	707.55	1	Groundwater Conservation District	Transducer		
P	3/26/2013		98.46	0.01	707.54	1	Groundwater Conservation District	Transducer		
P	3/27/2013		98.46	0.00	707.54	1	Groundwater Conservation District	Transducer		
P	3/28/2013		98.5	0.04	707.5	1	Groundwater Conservation District	Transducer		
P	3/29/2013		98.43	(0.07)	707.57	1	Groundwater Conservation District	Transducer		
P	3/30/2013		98.49	0.06	707.51	1	Groundwater Conservation District	Transducer		
P	3/31/2013		98.45	(0.04)	707.55	1	Groundwater Conservation District	Transducer		
P	4/1/2013		98.56	0.11	707.44	1	Groundwater Conservation District	Transducer		
P	4/2/2013		98.53	(0.03)	707.47	1	Groundwater Conservation District	Transducer		
P	4/3/2013		98.5	(0.03)	707.5	1	Groundwater Conservation District	Transducer		
P	4/4/2013		98.4	(0.10)	707.6	1	Groundwater Conservation District	Transducer		
P	4/5/2013		98.41	0.01	707.59	1	Groundwater Conservation District	Transducer		
P	4/6/2013		98.49	0.08	707.51	1	Groundwater Conservation District	Transducer		
P	4/7/2013		98.47	(0.02)	707.53	1	Groundwater Conservation District	Transducer		
P	4/8/2013		98.53	0.06	707.47	1	Groundwater Conservation District	Transducer		
P	4/9/2013		98.54	0.01	707.46	1	Groundwater Conservation District	Transducer		
P	4/10/2013		98.51	(0.03)	707.49	1	Groundwater Conservation District	Transducer		
P	4/11/2013		98.46	(0.05)	707.54	1	Groundwater Conservation District	Transducer		

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P	4/12/2013		98.49	0.03	707.51	1	Groundwater Conservation District	Transducer		
P	4/13/2013		98.46	(0.03)	707.54	1	Groundwater Conservation District	Transducer		
P	4/14/2013		98.57	0.11	707.43	1	Groundwater Conservation District	Transducer		
P	4/15/2013		98.53	(0.04)	707.47	1	Groundwater Conservation District	Transducer		
P	4/16/2013		98.54	0.01	707.46	1	Groundwater Conservation District	Transducer		
P	4/17/2013		98.49	(0.05)	707.51	1	Groundwater Conservation District	Transducer		
P	4/18/2013		98.54	0.05	707.46	1	Groundwater Conservation District	Transducer		
P	4/19/2013		98.46	(0.08)	707.54	1	Groundwater Conservation District	Transducer		
P	4/20/2013		98.51	0.05	707.49	1	Groundwater Conservation District	Transducer		
P	4/21/2013		98.49	(0.02)	707.51	1	Groundwater Conservation District	Transducer		
P	4/22/2013		98.56	0.07	707.44	1	Groundwater Conservation District	Transducer		
P	4/23/2013		98.56	0.00	707.44	1	Groundwater Conservation District	Transducer		
P	4/24/2013		98.41	(0.15)	707.59	1	Groundwater Conservation District	Transducer		
P	4/25/2013		98.45	0.04	707.55	1	Groundwater Conservation District	Transducer		
P	4/26/2013		98.47	0.02	707.53	1	Groundwater Conservation District	Transducer		
P	4/27/2013		98.54	0.07	707.46	1	Groundwater Conservation District	Transducer		
P	4/28/2013		98.44	(0.10)	707.56	1	Groundwater Conservation District	Transducer		
P	4/29/2013		98.47	0.03	707.53	1	Groundwater Conservation District	Transducer		
P	4/30/2013		98.43	(0.04)	707.57	1	Groundwater Conservation District	Transducer		
P	5/1/2013		98.41	(0.02)	707.59	1	Groundwater Conservation District	Transducer		
P	5/2/2013		98.41	0.00	707.59	1	Groundwater Conservation District	Transducer		
P	5/3/2013		98.29	(0.12)	707.71	1	Groundwater Conservation District	Transducer		
P	5/4/2013		98.43	0.14	707.57	1	Groundwater Conservation District	Transducer		
P	5/5/2013		98.35	(0.08)	707.65	1	Groundwater Conservation District	Transducer		
P	5/6/2013		98.4	0.05	707.6	1	Groundwater Conservation District	Transducer		
P	5/7/2013		98.4	0.00	707.6	1	Groundwater Conservation District	Transducer		
P	5/8/2013		98.37	(0.03)	707.63	1	Groundwater Conservation District	Transducer		

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P	5/9/2013		98.54	0.17	707.46	1	Groundwater Conservation District	Transducer		
P	5/10/2013		98.38	(0.16)	707.62	1	Groundwater Conservation District	Transducer		
P	5/11/2013		98.35	(0.03)	707.65	1	Groundwater Conservation District	Transducer		
P	5/12/2013		98.29	(0.06)	707.71	1	Groundwater Conservation District	Transducer		
P	5/13/2013		98.33	0.04	707.67	1	Groundwater Conservation District	Transducer		
P	5/14/2013		98.35	0.02	707.65	1	Groundwater Conservation District	Transducer		
P	5/15/2013		98.32	(0.03)	707.68	1	Groundwater Conservation District	Transducer		
P	5/16/2013		98.42	0.10	707.58	1	Groundwater Conservation District	Transducer		
P	5/17/2013		98.29	(0.13)	707.71	1	Groundwater Conservation District	Transducer		
P	5/18/2013		98.36	0.07	707.64	1	Groundwater Conservation District	Transducer		
P	5/19/2013		98.43	0.07	707.57	1	Groundwater Conservation District	Transducer		
P	5/20/2013		98.42	(0.01)	707.58	1	Groundwater Conservation District	Transducer		
P	5/21/2013		98.41	(0.01)	707.59	1	Groundwater Conservation District	Transducer		
P	5/22/2013		98.4	(0.01)	707.6	1	Groundwater Conservation District	Transducer		
P	5/23/2013		98.43	0.03	707.57	1	Groundwater Conservation District	Transducer		
P	5/24/2013		98.47	0.04	707.53	1	Groundwater Conservation District	Transducer		
P	5/25/2013		98.5	0.03	707.5	1	Groundwater Conservation District	Transducer		
P	5/26/2013		98.39	(0.11)	707.61	1	Groundwater Conservation District	Transducer		
P	5/27/2013		98.44	0.05	707.56	1	Groundwater Conservation District	Transducer		
P	5/28/2013		98.48	0.04	707.52	1	Groundwater Conservation District	Transducer		
P	5/29/2013		98.34	(0.14)	707.66	1	Groundwater Conservation District	Transducer		
P	5/30/2013		98.47	0.13	707.53	1	Groundwater Conservation District	Transducer		
P	5/31/2013		98.38	(0.09)	707.62	1	Groundwater Conservation District	Transducer		
P	6/1/2013		98.43	0.05	707.57	1	Groundwater Conservation District	Transducer		
P	6/2/2013		98.32	(0.11)	707.68	1	Groundwater Conservation District	Transducer		
P	6/3/2013		98.4	0.08	707.6	1	Groundwater Conservation District	Transducer		
P	6/4/2013		98.47	0.07	707.53	1	Groundwater Conservation District	Transducer		

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P	6/5/2013		98.46	(0.01)	707.54	1	Groundwater Conservation District	Transducer		
P	6/6/2013		98.65	0.19	707.35	1	Groundwater Conservation District	Transducer		
P	6/7/2013		98.47	(0.18)	707.53	1	Groundwater Conservation District	Transducer		
P	6/8/2013		98.67	0.20	707.33	1	Groundwater Conservation District	Transducer		
P	6/9/2013		98.55	(0.12)	707.45	1	Groundwater Conservation District	Transducer		
P	6/10/2013		98.49	(0.06)	707.51	1	Groundwater Conservation District	Transducer		
P	6/11/2013		98.75	0.26	707.25	1	Groundwater Conservation District	Transducer		
P	6/12/2013		98.71	(0.04)	707.29	1	Groundwater Conservation District	Transducer		
P	6/13/2013		98.7	(0.01)	707.3	1	Groundwater Conservation District	Transducer		
P	6/14/2013		98.69	(0.01)	707.31	1	Groundwater Conservation District	Transducer		
P	6/15/2013		98.79	0.10	707.21	1	Groundwater Conservation District	Transducer		
P	6/16/2013		98.81	0.02	707.19	1	Groundwater Conservation District	Transducer		
P	6/17/2013		98.88	0.07	707.12	1	Groundwater Conservation District	Transducer		
P	6/18/2013		98.89	0.01	707.11	1	Groundwater Conservation District	Transducer		
P	6/19/2013		98.93	0.04	707.07	1	Groundwater Conservation District	Transducer		
P	6/20/2013		98.78	(0.15)	707.22	1	Groundwater Conservation District	Transducer		
P	6/21/2013		99	0.22	707	1	Groundwater Conservation District	Transducer		
P	6/22/2013		98.83	(0.17)	707.17	1	Groundwater Conservation District	Transducer		
P	6/23/2013		98.93	0.10	707.07	1	Groundwater Conservation District	Transducer		
P	6/24/2013		98.95	0.02	707.05	1	Groundwater Conservation District	Transducer		
P	6/25/2013		99.13	0.18	706.87	1	Groundwater Conservation District	Transducer		
P	6/26/2013		99.21	0.08	706.79	1	Groundwater Conservation District	Transducer		
P	6/27/2013		98.91	(0.30)	707.09	1	Groundwater Conservation District	Transducer		
P	6/28/2013		99.14	0.23	706.86	1	Groundwater Conservation District	Transducer		
P	6/29/2013		99.06	(0.08)	706.94	1	Groundwater Conservation District	Transducer		
P	6/30/2013		99.16	0.10	706.84	1	Groundwater Conservation District	Transducer		
P	7/1/2013		99.09	(0.07)	706.91	1	Groundwater Conservation District	Transducer		



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P	7/2/2013		99.26	0.17	706.74	1	Groundwater Conservation District	Transducer		
P	7/3/2013		99.02	(0.24)	706.98	1	Groundwater Conservation District	Transducer		
P	7/4/2013		99.22	0.20	706.78	1	Groundwater Conservation District	Transducer		
P	7/5/2013		99.04	(0.18)	706.96	1	Groundwater Conservation District	Transducer		
P	7/6/2013		99.3	0.26	706.7	1	Groundwater Conservation District	Transducer		
P	7/7/2013		99.49	0.19	706.51	1	Groundwater Conservation District	Transducer		
P	7/8/2013		99.53	0.04	706.47	1	Groundwater Conservation District	Transducer		
P	7/9/2013		99.39	(0.14)	706.61	1	Groundwater Conservation District	Transducer		
P	7/10/2013		99.55	0.16	706.45	1	Groundwater Conservation District	Transducer		
P	7/11/2013		99.38	(0.17)	706.62	1	Groundwater Conservation District	Transducer		
P	7/12/2013		99.36	(0.02)	706.64	1	Groundwater Conservation District	Transducer		
P	7/13/2013		99.49	0.13	706.51	1	Groundwater Conservation District	Transducer		
P	7/14/2013		99.42	(0.07)	706.58	1	Groundwater Conservation District	Transducer		
P	7/15/2013		99.41	(0.01)	706.59	1	Groundwater Conservation District	Transducer		
P	7/16/2013		99.2	(0.21)	706.8	1	Groundwater Conservation District	Transducer		
P	7/17/2013		99.12	(0.08)	706.88	1	Groundwater Conservation District	Transducer		
P	7/18/2013		99.1	(0.02)	706.9	1	Groundwater Conservation District	Transducer		
P	7/19/2013		99.21	0.11	706.79	1	Groundwater Conservation District	Transducer		
P	7/20/2013		99.05	(0.16)	706.95	1	Groundwater Conservation District	Transducer		
P	7/21/2013		99.24	0.19	706.76	1	Groundwater Conservation District	Transducer		
P	7/22/2013		99.22	(0.02)	706.78	1	Groundwater Conservation District	Transducer		
P	7/23/2013		99.25	0.03	706.75	1	Groundwater Conservation District	Transducer		
P	7/24/2013		99.38	0.13	706.62	1	Groundwater Conservation District	Transducer		
P	7/25/2013		99.42	0.04	706.58	1	Groundwater Conservation District	Transducer		
P	7/26/2013		99.34	(0.08)	706.66	1	Groundwater Conservation District	Transducer		
P	7/27/2013		99.39	0.05	706.61	1	Groundwater Conservation District	Transducer		
P	7/28/2013		99.29	(0.10)	706.71	1	Groundwater Conservation District	Transducer		

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P	7/29/2013		99.44	0.15	706.56	1	Groundwater Conservation District	Transducer		
P	7/30/2013		99.32	(0.12)	706.68	1	Groundwater Conservation District	Transducer		
P	7/31/2013		99.25	(0.07)	706.75	1	Groundwater Conservation District	Transducer		
P	8/1/2013		99.5	0.25	706.5	1	Groundwater Conservation District	Transducer		
P	8/2/2013		99.49	(0.01)	706.51	1	Groundwater Conservation District	Transducer		
P	8/3/2013		99.52	0.03	706.48	1	Groundwater Conservation District	Transducer		
P	8/4/2013		99.6	0.08	706.4	1	Groundwater Conservation District	Transducer		
P	8/5/2013		99.6	0.00	706.4	1	Groundwater Conservation District	Transducer		
P	8/6/2013		99.69	0.09	706.31	1	Groundwater Conservation District	Transducer		
P	8/7/2013		99.79	0.10	706.21	1	Groundwater Conservation District	Transducer		
P	8/8/2013		99.66	(0.13)	706.34	1	Groundwater Conservation District	Transducer		
P	8/9/2013		99.63	(0.03)	706.37	1	Groundwater Conservation District	Transducer		
P	8/10/2013		99.42	(0.21)	706.58	1	Groundwater Conservation District	Transducer		
P	8/11/2013		99.58	0.16	706.42	1	Groundwater Conservation District	Transducer		
P	8/12/2013		99.62	0.04	706.38	1	Groundwater Conservation District	Transducer		
P	8/13/2013		99.66	0.04	706.34	1	Groundwater Conservation District	Transducer		
P	8/14/2013		99.75	0.09	706.25	1	Groundwater Conservation District	Transducer		
P	8/15/2013		99.59	(0.16)	706.41	1	Groundwater Conservation District	Transducer		
P	8/16/2013		99.5	(0.09)	706.5	1	Groundwater Conservation District	Transducer		
P	8/17/2013		99.46	(0.04)	706.54	1	Groundwater Conservation District	Transducer		
P	8/18/2013		99.53	0.07	706.47	1	Groundwater Conservation District	Transducer		
P	8/19/2013		99.56	0.03	706.44	1	Groundwater Conservation District	Transducer		
P	8/20/2013		99.58	0.02	706.42	1	Groundwater Conservation District	Transducer		
P	8/21/2013		99.49	(0.09)	706.51	1	Groundwater Conservation District	Transducer		
P	8/22/2013		99.49	0.00	706.51	1	Groundwater Conservation District	Transducer		
P	8/23/2013		99.51	0.02	706.49	1	Groundwater Conservation District	Transducer		
P	8/24/2013		99.55	0.04	706.45	1	Groundwater Conservation District	Transducer		

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P	8/25/2013		99.73	0.18	706.27	1	Groundwater Conservation District	Transducer		
P	8/26/2013		99.66	(0.07)	706.34	1	Groundwater Conservation District	Transducer		
P	8/27/2013		99.69	0.03	706.31	1	Groundwater Conservation District	Transducer		
P	8/28/2013		99.66	(0.03)	706.34	1	Groundwater Conservation District	Transducer		
P	8/29/2013		99.63	(0.03)	706.37	1	Groundwater Conservation District	Transducer		
P	8/30/2013		99.57	(0.06)	706.43	1	Groundwater Conservation District	Transducer		
P	8/31/2013		99.5	(0.07)	706.5	1	Groundwater Conservation District	Transducer		
P	9/1/2013		99.6	0.10	706.4	1	Groundwater Conservation District	Transducer		
P	9/2/2013		99.6	0.00	706.4	1	Groundwater Conservation District	Transducer		
P	9/3/2013		99.55	(0.05)	706.45	1	Groundwater Conservation District	Transducer		
P	9/4/2013		99.51	(0.04)	706.49	1	Groundwater Conservation District	Transducer		
P	9/5/2013		99.4	(0.11)	706.6	1	Groundwater Conservation District	Transducer		
P	9/6/2013		99.55	0.15	706.45	1	Groundwater Conservation District	Transducer		
P	9/7/2013		99.6	0.05	706.4	1	Groundwater Conservation District	Transducer		
P	9/8/2013		99.49	(0.11)	706.51	1	Groundwater Conservation District	Transducer		
P	9/9/2013		99.61	0.12	706.39	1	Groundwater Conservation District	Transducer		
P	9/10/2013		99.56	(0.05)	706.44	1	Groundwater Conservation District	Transducer		
P	9/11/2013		99.42	(0.14)	706.58	1	Groundwater Conservation District	Transducer		
P	9/12/2013		99.54	0.12	706.46	1	Groundwater Conservation District	Transducer		
P	9/13/2013		99.56	0.02	706.44	1	Groundwater Conservation District	Transducer		
P	9/14/2013		99.39	(0.17)	706.61	1	Groundwater Conservation District	Transducer		
P	9/15/2013		99.38	(0.01)	706.62	1	Groundwater Conservation District	Transducer		
P	9/16/2013		99.53	0.15	706.47	1	Groundwater Conservation District	Transducer		
P	9/17/2013		99.52	(0.01)	706.48	1	Groundwater Conservation District	Transducer		
P	9/18/2013		99.53	0.01	706.47	1	Groundwater Conservation District	Transducer		
P	9/19/2013		99.5	(0.03)	706.5	1	Groundwater Conservation District	Transducer		
P	9/20/2013		99.52	0.02	706.48	1	Groundwater Conservation District	Transducer		

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P	9/21/2013		99.36	(0.16)	706.64	1	Groundwater Conservation District	Transducer		
P	9/22/2013		99.33	(0.03)	706.67	1	Groundwater Conservation District	Transducer		
P	9/23/2013		99.37	0.04	706.63	1	Groundwater Conservation District	Transducer		
P	9/24/2013		99.63	0.26	706.37	1	Groundwater Conservation District	Transducer		
P	9/25/2013		99.54	(0.09)	706.46	1	Groundwater Conservation District	Transducer		
P	9/26/2013		99.43	(0.11)	706.57	1	Groundwater Conservation District	Transducer		
P	9/27/2013		99.31	(0.12)	706.69	1	Groundwater Conservation District	Transducer		
P	9/28/2013		99.32	0.01	706.68	1	Groundwater Conservation District	Transducer		
P	9/29/2013		99.3	(0.02)	706.7	1	Groundwater Conservation District	Transducer		
P	9/30/2013		99.36	0.06	706.64	1	Groundwater Conservation District	Transducer		
P	10/1/2013		99.32	(0.04)	706.68	1	Groundwater Conservation District	Transducer		
P	10/2/2013		99.39	0.07	706.61	1	Groundwater Conservation District	Transducer		
P	10/3/2013		99.32	(0.07)	706.68	1	Groundwater Conservation District	Transducer		
P	10/4/2013		99.23	(0.09)	706.77	1	Groundwater Conservation District	Transducer		
P	10/5/2013		99.25	0.02	706.75	1	Groundwater Conservation District	Transducer		
P	10/6/2013		99.18	(0.07)	706.82	1	Groundwater Conservation District	Transducer		
P	10/7/2013		99.27	0.09	706.73	1	Groundwater Conservation District	Transducer		
P	10/8/2013		99.33	0.06	706.67	1	Groundwater Conservation District	Transducer		
P	10/9/2013		99.21	(0.12)	706.79	1	Groundwater Conservation District	Transducer		
P	10/10/2013		99.3	0.09	706.7	1	Groundwater Conservation District	Transducer		
P	10/11/2013		99.22	(0.08)	706.78	1	Groundwater Conservation District	Transducer		
P	10/12/2013		99.31	0.09	706.69	1	Groundwater Conservation District	Transducer		
P	10/13/2013		99.23	(0.08)	706.77	1	Groundwater Conservation District	Transducer		
P	10/14/2013		99.18	(0.05)	706.82	1	Groundwater Conservation District	Transducer		
P	10/15/2013		99.29	0.11	706.71	1	Groundwater Conservation District	Transducer		
P	10/16/2013		99.13	(0.16)	706.87	1	Groundwater Conservation District	Transducer		
P	10/17/2013		99.1	(0.03)	706.9	1	Groundwater Conservation District	Transducer		

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P	10/18/2013		99.1	0.00	706.9	1	Groundwater Conservation District	Transducer		
P	10/19/2013		99.09	(0.01)	706.91	1	Groundwater Conservation District	Transducer		
P	10/20/2013		99.12	0.03	706.88	1	Groundwater Conservation District	Transducer		
P	10/21/2013		99.12	0.00	706.88	1	Groundwater Conservation District	Transducer		
P	10/22/2013		99.09	(0.03)	706.91	1	Groundwater Conservation District	Transducer		
P	10/23/2013		99	(0.09)	707	1	Groundwater Conservation District	Transducer		
P	10/24/2013		99.12	0.12	706.88	1	Groundwater Conservation District	Transducer		
P	10/25/2013		99.21	0.09	706.79	1	Groundwater Conservation District	Transducer		
P	10/26/2013		99.13	(0.08)	706.87	1	Groundwater Conservation District	Transducer		
P	10/27/2013		99.2	0.07	706.8	1	Groundwater Conservation District	Transducer		
P	10/28/2013		99.17	(0.03)	706.83	1	Groundwater Conservation District	Transducer		
P	10/29/2013		99.18	0.01	706.82	1	Groundwater Conservation District	Transducer		
P	10/30/2013		99.09	(0.09)	706.91	1	Groundwater Conservation District	Transducer		
P	10/31/2013		99.12	0.03	706.88	1	Groundwater Conservation District	Transducer		
P	11/1/2013		99.1	(0.02)	706.9	1	Groundwater Conservation District	Transducer		
P	11/2/2013		98.98	(0.12)	707.02	1	Groundwater Conservation District	Transducer		
P	11/3/2013		99.19	0.21	706.81	1	Groundwater Conservation District	Transducer		
P	11/4/2013		99.09	(0.10)	706.91	1	Groundwater Conservation District	Transducer		
P	11/5/2013		99.07	(0.02)	706.93	1	Groundwater Conservation District	Transducer		
P	11/6/2013		99.02	(0.05)	706.98	1	Groundwater Conservation District	Transducer		
P	11/7/2013		98.87	(0.15)	707.13	1	Groundwater Conservation District	Transducer		
P	11/8/2013		98.89	0.02	707.11	1	Groundwater Conservation District	Transducer		
P	11/9/2013		98.93	0.04	707.07	1	Groundwater Conservation District	Transducer		
P	11/10/2013		99.06	0.13	706.94	1	Groundwater Conservation District	Transducer		
P	11/11/2013		98.91	(0.15)	707.09	1	Groundwater Conservation District	Transducer		
P	11/12/2013		98.85	(0.06)	707.15	1	Groundwater Conservation District	Transducer		
P	11/13/2013		98.87	0.02	707.13	1	Groundwater Conservation District	Transducer		



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P	11/14/2013		98.9	0.03	707.1	1	Groundwater Conservation District	Transducer		
P	11/15/2013		98.89	(0.01)	707.11	1	Groundwater Conservation District	Transducer		
P	11/16/2013		98.89	0.00	707.11	1	Groundwater Conservation District	Transducer		
P	11/17/2013		99.07	0.18	706.93	1	Groundwater Conservation District	Transducer		
P	11/18/2013		98.89	(0.18)	707.11	1	Groundwater Conservation District	Transducer		
P	11/19/2013		98.81	(0.08)	707.19	1	Groundwater Conservation District	Transducer		
P	11/20/2013		98.82	0.01	707.18	1	Groundwater Conservation District	Transducer		
P	11/21/2013		98.91	0.09	707.09	1	Groundwater Conservation District	Transducer		
P	11/22/2013		98.89	(0.02)	707.11	1	Groundwater Conservation District	Transducer		
P	11/23/2013		98.78	(0.11)	707.22	1	Groundwater Conservation District	Transducer		
P	11/24/2013		98.84	0.06	707.16	1	Groundwater Conservation District	Transducer		
P	11/25/2013		98.89	0.05	707.11	1	Groundwater Conservation District	Transducer		
P	11/26/2013		98.8	(0.09)	707.2	1	Groundwater Conservation District	Transducer		
P	11/27/2013		98.68	(0.12)	707.32	1	Groundwater Conservation District	Transducer		
P	11/28/2013		98.87	0.19	707.13	1	Groundwater Conservation District	Transducer		
P	11/29/2013		98.71	(0.16)	707.29	1	Groundwater Conservation District	Transducer		
P	11/30/2013		98.78	0.07	707.22	1	Groundwater Conservation District	Transducer		
P	12/1/2013		98.85	0.07	707.15	1	Groundwater Conservation District	Transducer		
P	12/2/2013		99.01	0.16	706.99	1	Groundwater Conservation District	Transducer		
P	12/3/2013		98.9	(0.11)	707.1	1	Groundwater Conservation District	Transducer		
P	12/4/2013		98.75	(0.15)	707.25	1	Groundwater Conservation District	Transducer		
P	12/5/2013		98.81	0.06	707.19	1	Groundwater Conservation District	Transducer		
P	12/6/2013		98.72	(0.09)	707.28	1	Groundwater Conservation District	Transducer		
P	12/7/2013		98.66	(0.06)	707.34	1	Groundwater Conservation District	Transducer		
P	12/8/2013		98.73	0.07	707.27	1	Groundwater Conservation District	Transducer		
P	12/9/2013		98.89	0.16	707.11	1	Groundwater Conservation District	Transducer		
P	12/10/2013		98.68	(0.21)	707.32	1	Groundwater Conservation District	Transducer		

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P	12/11/2013		98.68	0.00	707.32	1	Groundwater Conservation District	Transducer		
P	12/12/2013		98.69	0.01	707.31	1	Groundwater Conservation District	Transducer		
P	12/13/2013		98.91	0.22	707.09	1	Groundwater Conservation District	Transducer		
P	12/14/2013		98.75	(0.16)	707.25	1	Groundwater Conservation District	Transducer		
P	12/15/2013		98.73	(0.02)	707.27	1	Groundwater Conservation District	Transducer		
P	12/16/2013		98.71	(0.02)	707.29	1	Groundwater Conservation District	Transducer		
P	12/17/2013		98.77	0.06	707.23	1	Groundwater Conservation District	Transducer		
P	12/18/2013		98.64	(0.13)	707.36	1	Groundwater Conservation District	Transducer		
P	12/19/2013		98.69	0.05	707.31	1	Groundwater Conservation District	Transducer		
P	12/20/2013		98.7	0.01	707.3	1	Groundwater Conservation District	Transducer		
P	12/21/2013		98.8	0.10	707.2	1	Groundwater Conservation District	Transducer		
P	12/22/2013		98.66	(0.14)	707.34	1	Groundwater Conservation District	Transducer		
P	12/23/2013		98.59	(0.07)	707.41	1	Groundwater Conservation District	Transducer		
P	12/24/2013		98.62	0.03	707.38	1	Groundwater Conservation District	Transducer		
P	12/25/2013		98.8	0.18	707.2	1	Groundwater Conservation District	Transducer		
P	12/26/2013		98.76	(0.04)	707.24	1	Groundwater Conservation District	Transducer		
P	12/27/2013		98.63	(0.13)	707.37	1	Groundwater Conservation District	Transducer		
P	12/28/2013		98.65	0.02	707.35	1	Groundwater Conservation District	Transducer		
P	12/29/2013		98.68	0.03	707.32	1	Groundwater Conservation District	Transducer		
P	12/30/2013		98.62	(0.06)	707.38	1	Groundwater Conservation District	Transducer		
P	12/31/2013		98.63	0.01	707.37	1	Groundwater Conservation District	Transducer		
P	1/1/2014		98.71	0.08	707.29	1	Groundwater Conservation District	Transducer		
P	1/2/2014		98.7	(0.01)	707.3	1	Groundwater Conservation District	Transducer		
P	1/3/2014		98.6	(0.10)	707.4	1	Groundwater Conservation District	Transducer		
P	1/4/2014		98.7	0.10	707.3	1	Groundwater Conservation District	Transducer		
P	1/5/2014		98.76	0.06	707.24	1	Groundwater Conservation District	Transducer		
P	1/6/2014		98.6	(0.16)	707.4	1	Groundwater Conservation District	Transducer		

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P	1/7/2014		98.59	(0.01)	707.41	1	Groundwater Conservation District	Transducer		
P	1/8/2014		99.1	0.51	706.9	1	Groundwater Conservation District	Transducer		
P	1/9/2014		98.99	(0.11)	707.01	1	Groundwater Conservation District	Transducer		
P	1/10/2014		98.76	(0.23)	707.24	1	Groundwater Conservation District	Transducer		
P	1/11/2014		98.76	0.00	707.24	1	Groundwater Conservation District	Transducer		
P	1/12/2014		98.65	(0.11)	707.35	1	Groundwater Conservation District	Transducer		
P	1/13/2014		98.8	0.15	707.2	1	Groundwater Conservation District	Transducer		
P	1/14/2014		98.7	(0.10)	707.3	1	Groundwater Conservation District	Transducer		
P	1/15/2014		98.56	(0.14)	707.44	1	Groundwater Conservation District	Transducer		
P	1/16/2014		98.74	0.18	707.26	1	Groundwater Conservation District	Transducer		
P	1/17/2014		98.58	(0.16)	707.42	1	Groundwater Conservation District	Transducer		
P	1/18/2014		98.66	0.08	707.34	1	Groundwater Conservation District	Transducer		
P	1/19/2014		98.71	0.05	707.29	1	Groundwater Conservation District	Transducer		
P	1/20/2014		98.81	0.10	707.19	1	Groundwater Conservation District	Transducer		
P	1/21/2014		98.57	(0.24)	707.43	1	Groundwater Conservation District	Transducer		
P	1/22/2014		98.62	0.05	707.38	1	Groundwater Conservation District	Transducer		
P	1/23/2014		98.64	0.02	707.36	1	Groundwater Conservation District	Transducer		
P	1/24/2014		98.52	(0.12)	707.48	1	Groundwater Conservation District	Transducer		
P	1/25/2014		98.68	0.16	707.32	1	Groundwater Conservation District	Transducer		
P	1/26/2014		98.7	0.02	707.3	1	Groundwater Conservation District	Transducer		
P	1/27/2014		98.76	0.06	707.24	1	Groundwater Conservation District	Transducer		
P	1/28/2014		98.62	(0.14)	707.38	1	Groundwater Conservation District	Transducer		
P	1/29/2014		98.6	(0.02)	707.4	1	Groundwater Conservation District	Transducer		
P	1/30/2014		98.78	0.18	707.22	1	Groundwater Conservation District	Transducer		
P	1/31/2014		98.75	(0.03)	707.25	1	Groundwater Conservation District	Transducer		
P	2/1/2014		98.71	(0.04)	707.29	1	Groundwater Conservation District	Transducer		
P	2/2/2014		98.65	(0.06)	707.35	1	Groundwater Conservation District	Transducer		

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P	2/3/2014		98.56	(0.09)	707.44	1	Groundwater Conservation District	Transducer		
P	2/4/2014		98.68	0.12	707.32	1	Groundwater Conservation District	Transducer		
P	2/5/2014		98.63	(0.05)	707.37	1	Groundwater Conservation District	Transducer		
P	2/6/2014		98.68	0.05	707.32	1	Groundwater Conservation District	Transducer		
P	2/7/2014		98.67	(0.01)	707.33	1	Groundwater Conservation District	Transducer		
P	2/8/2014		98.82	0.15	707.18	1	Groundwater Conservation District	Transducer		
P	2/9/2014		98.77	(0.05)	707.23	1	Groundwater Conservation District	Transducer		
P	2/10/2014		98.79	0.02	707.21	1	Groundwater Conservation District	Transducer		
P	2/11/2014		98.68	(0.11)	707.32	1	Groundwater Conservation District	Transducer		
P	2/12/2014		98.7	0.02	707.3	1	Groundwater Conservation District	Transducer		
P	2/13/2014		98.76	0.06	707.24	1	Groundwater Conservation District	Transducer		
P	2/14/2014		98.78	0.02	707.22	1	Groundwater Conservation District	Transducer		
P	2/15/2014		98.7	(0.08)	707.3	1	Groundwater Conservation District	Transducer		
P	2/16/2014		98.64	(0.06)	707.36	1	Groundwater Conservation District	Transducer		
P	2/17/2014		98.72	0.08	707.28	1	Groundwater Conservation District	Transducer		
P	2/18/2014		98.67	(0.05)	707.33	1	Groundwater Conservation District	Transducer		
P	2/19/2014		98.63	(0.04)	707.37	1	Groundwater Conservation District	Transducer		
P	2/20/2014		98.8	0.17	707.2	1	Groundwater Conservation District	Transducer		
P	2/21/2014		98.59	(0.21)	707.41	1	Groundwater Conservation District	Transducer		
P	2/22/2014		98.68	0.09	707.32	1	Groundwater Conservation District	Transducer		
P	2/23/2014		98.65	(0.03)	707.35	1	Groundwater Conservation District	Transducer		
P	2/24/2014		98.76	0.11	707.24	1	Groundwater Conservation District	Transducer		
P	2/25/2014		98.65	(0.11)	707.35	1	Groundwater Conservation District	Transducer		
P	2/26/2014		98.6	(0.05)	707.4	1	Groundwater Conservation District	Transducer		
P	2/27/2014		98.68	0.08	707.32	1	Groundwater Conservation District	Transducer		
P	2/28/2014		98.71	0.03	707.29	1	Groundwater Conservation District	Transducer		
P	3/1/2014		98.62	(0.09)	707.38	1	Groundwater Conservation District	Transducer		

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P	3/2/2014		98.73	0.11	707.27	1	Groundwater Conservation District	Transducer		
P	3/3/2014		98.6	(0.13)	707.4	1	Groundwater Conservation District	Transducer		
P	3/4/2014		98.69	0.09	707.31	1	Groundwater Conservation District	Transducer		
P	3/5/2014		98.63	(0.06)	707.37	1	Groundwater Conservation District	Transducer		
P	3/6/2014		98.58	(0.05)	707.42	1	Groundwater Conservation District	Transducer		
P	3/7/2014		98.72	0.14	707.28	1	Groundwater Conservation District	Transducer		
P	3/8/2014		98.69	(0.03)	707.31	1	Groundwater Conservation District	Transducer		
P	3/9/2014		98.56	(0.13)	707.44	1	Groundwater Conservation District	Transducer		
P	3/10/2014		98.57	0.01	707.43	1	Groundwater Conservation District	Transducer		
P	3/11/2014		98.73	0.16	707.27	1	Groundwater Conservation District	Transducer		
P	3/12/2014		98.68	(0.05)	707.32	1	Groundwater Conservation District	Transducer		
P	3/13/2014		98.56	(0.12)	707.44	1	Groundwater Conservation District	Transducer		
P	3/14/2014		98.6	0.04	707.4	1	Groundwater Conservation District	Transducer		
P	3/15/2014		98.73	0.13	707.27	1	Groundwater Conservation District	Transducer		
P	3/16/2014		98.77	0.04	707.23	1	Groundwater Conservation District	Transducer		
P	3/17/2014		98.65	(0.12)	707.35	1	Groundwater Conservation District	Transducer		
P	3/18/2014		98.71	0.06	707.29	1	Groundwater Conservation District	Transducer		
P	3/19/2014		98.64	(0.07)	707.36	1	Groundwater Conservation District	Transducer		
P	3/20/2014		98.58	(0.06)	707.42	1	Groundwater Conservation District	Transducer		
P	3/21/2014		98.57	(0.01)	707.43	1	Groundwater Conservation District	Transducer		
P	3/22/2014		98.71	0.14	707.29	1	Groundwater Conservation District	Transducer		
P	3/23/2014		98.68	(0.03)	707.32	1	Groundwater Conservation District	Transducer		
P	3/24/2014		98.62	(0.06)	707.38	1	Groundwater Conservation District	Transducer		
P	3/25/2014		98.61	(0.01)	707.39	1	Groundwater Conservation District	Transducer		
P	3/26/2014		98.68	0.07	707.32	1	Groundwater Conservation District	Transducer		
P	3/27/2014		98.66	(0.02)	707.34	1	Groundwater Conservation District	Transducer		
P	3/28/2014		98.76	0.10	707.24	1	Groundwater Conservation District	Transducer		



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P	3/29/2014		98.53	(0.23)	707.47	1	Groundwater Conservation District	Transducer		
P	3/30/2014		98.66	0.13	707.34	1	Groundwater Conservation District	Transducer		
P	3/31/2014		98.62	(0.04)	707.38	1	Groundwater Conservation District	Transducer		
P	4/1/2014		98.66	0.04	707.34	1	Groundwater Conservation District	Transducer		
P	4/2/2014		98.63	(0.03)	707.37	1	Groundwater Conservation District	Transducer		
P	4/3/2014		98.63	0.00	707.37	1	Groundwater Conservation District	Transducer		
P	4/4/2014		98.67	0.04	707.33	1	Groundwater Conservation District	Transducer		
P	4/5/2014		98.57	(0.10)	707.43	1	Groundwater Conservation District	Transducer		
P	4/6/2014		98.73	0.16	707.27	1	Groundwater Conservation District	Transducer		
P	4/7/2014		98.64	(0.09)	707.36	1	Groundwater Conservation District	Transducer		
P	4/8/2014		98.55	(0.09)	707.45	1	Groundwater Conservation District	Transducer		
P	4/9/2014		98.63	0.08	707.37	1	Groundwater Conservation District	Transducer		
P	4/10/2014		98.62	(0.01)	707.38	1	Groundwater Conservation District	Transducer		
P	4/11/2014		98.66	0.04	707.34	1	Groundwater Conservation District	Transducer		
P	4/12/2014		98.75	0.09	707.25	1	Groundwater Conservation District	Transducer		
P	4/13/2014		98.73	(0.02)	707.27	1	Groundwater Conservation District	Transducer		
P	4/14/2014		98.83	0.10	707.17	1	Groundwater Conservation District	Transducer		
P	4/15/2014		98.56	(0.27)	707.44	1	Groundwater Conservation District	Transducer		
P	4/16/2014		98.65	0.09	707.35	1	Groundwater Conservation District	Transducer		
P	4/17/2014		98.65	0.00	707.35	1	Groundwater Conservation District	Transducer		
P	4/18/2014		98.54	(0.11)	707.46	1	Groundwater Conservation District	Transducer		
P	4/19/2014		98.7	0.16	707.3	1	Groundwater Conservation District	Transducer		
P	4/20/2014		98.78	0.08	707.22	1	Groundwater Conservation District	Transducer		
P	4/21/2014		98.7	(0.08)	707.3	1	Groundwater Conservation District	Transducer		
P	4/22/2014		98.69	(0.01)	707.31	1	Groundwater Conservation District	Transducer		
P	4/23/2014		98.68	(0.01)	707.32	1	Groundwater Conservation District	Transducer		
P	4/24/2014		98.72	0.04	707.28	1	Groundwater Conservation District	Transducer		

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P	4/25/2014		98.72	0.00	707.28	1	Groundwater Conservation District	Transducer		
P	4/26/2014		98.9	0.18	707.1	1	Groundwater Conservation District	Transducer		
P	4/27/2014		98.74	(0.16)	707.26	1	Groundwater Conservation District	Transducer		
P	4/28/2014		98.73	(0.01)	707.27	1	Groundwater Conservation District	Transducer		
P	4/29/2014		98.78	0.05	707.22	1	Groundwater Conservation District	Transducer		
P	4/30/2014		98.79	0.01	707.21	1	Groundwater Conservation District	Transducer		
P	5/1/2014		98.61	(0.18)	707.39	1	Groundwater Conservation District	Transducer		
P	5/2/2014		98.68	0.07	707.32	1	Groundwater Conservation District	Transducer		
P	5/3/2014		98.65	(0.03)	707.35	1	Groundwater Conservation District	Transducer		
P	5/4/2014		98.65	0.00	707.35	1	Groundwater Conservation District	Transducer		
P	5/5/2014		98.76	0.11	707.24	1	Groundwater Conservation District	Transducer		
P	5/6/2014		98.78	0.02	707.22	1	Groundwater Conservation District	Transducer		
P	5/7/2014		98.7	(0.08)	707.3	1	Groundwater Conservation District	Transducer		
P	5/8/2014		98.7	0.00	707.3	1	Groundwater Conservation District	Transducer		
P	5/9/2014		98.66	(0.04)	707.34	1	Groundwater Conservation District	Transducer		
P	5/10/2014		98.72	0.06	707.28	1	Groundwater Conservation District	Transducer		
P	5/11/2014		98.7	(0.02)	707.3	1	Groundwater Conservation District	Transducer		
P	5/12/2014		98.71	0.01	707.29	1	Groundwater Conservation District	Transducer		
P	5/13/2014		98.69	(0.02)	707.31	1	Groundwater Conservation District	Transducer		
P	5/14/2014		98.82	0.13	707.18	1	Groundwater Conservation District	Transducer		
P	5/15/2014		98.7	(0.12)	707.3	1	Groundwater Conservation District	Transducer		
P	5/16/2014		98.83	0.13	707.17	1	Groundwater Conservation District	Transducer		
P	5/17/2014		98.72	(0.11)	707.28	1	Groundwater Conservation District	Transducer		
P	5/18/2014		98.75	0.03	707.25	1	Groundwater Conservation District	Transducer		
P	5/19/2014		98.71	(0.04)	707.29	1	Groundwater Conservation District	Transducer		
P	5/20/2014		98.72	0.01	707.28	1	Groundwater Conservation District	Transducer		
P	5/21/2014		98.71	(0.01)	707.29	1	Groundwater Conservation District	Transducer		

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P	5/22/2014		98.89	0.18	707.11	1	Groundwater Conservation District	Transducer		
P	5/23/2014		98.81	(0.08)	707.19	1	Groundwater Conservation District	Transducer		
P	5/24/2014		98.84	0.03	707.16	1	Groundwater Conservation District	Transducer		
P	5/25/2014		98.75	(0.09)	707.25	1	Groundwater Conservation District	Transducer		
P	5/26/2014		98.7	(0.05)	707.3	1	Groundwater Conservation District	Transducer		
P	5/27/2014		98.81	0.11	707.19	1	Groundwater Conservation District	Transducer		
P	5/28/2014		98.67	(0.14)	707.33	1	Groundwater Conservation District	Transducer		
P	5/29/2014		98.75	0.08	707.25	1	Groundwater Conservation District	Transducer		
P	5/30/2014		98.74	(0.01)	707.26	1	Groundwater Conservation District	Transducer		
P	5/31/2014		98.73	(0.01)	707.27	1	Groundwater Conservation District	Transducer		
P	6/1/2014		98.72	(0.01)	707.28	1	Groundwater Conservation District	Transducer		
P	6/2/2014		98.7	(0.02)	707.3	1	Groundwater Conservation District	Transducer		
P	6/3/2014		98.8	0.10	707.2	1	Groundwater Conservation District	Transducer		
P	6/4/2014		98.89	0.09	707.11	1	Groundwater Conservation District	Transducer		
P	6/5/2014		98.87	(0.02)	707.13	1	Groundwater Conservation District	Transducer		
P	6/6/2014		98.89	0.02	707.11	1	Groundwater Conservation District	Transducer		
P	6/7/2014		98.84	(0.05)	707.16	1	Groundwater Conservation District	Transducer		
P	6/8/2014		98.9	0.06	707.1	1	Groundwater Conservation District	Transducer		
P	6/9/2014		98.87	(0.03)	707.13	1	Groundwater Conservation District	Transducer		
P	6/10/2014		98.79	(0.08)	707.21	1	Groundwater Conservation District	Transducer		
P	6/11/2014		98.82	0.03	707.18	1	Groundwater Conservation District	Transducer		
P	6/12/2014		98.78	(0.04)	707.22	1	Groundwater Conservation District	Transducer		
P	6/13/2014		98.69	(0.09)	707.31	1	Groundwater Conservation District	Transducer		
P	6/14/2014		98.7	0.01	707.3	1	Groundwater Conservation District	Transducer		
P	6/15/2014		98.66	(0.04)	707.34	1	Groundwater Conservation District	Transducer		
P	6/16/2014		98.76	0.10	707.24	1	Groundwater Conservation District	Transducer		
P	6/17/2014		98.75	(0.01)	707.25	1	Groundwater Conservation District	Transducer		

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P	6/18/2014		98.61	(0.14)	707.39	1	Groundwater Conservation District	Transducer		
P	6/19/2014		98.7	0.09	707.3	1	Groundwater Conservation District	Transducer		
P	6/20/2014		98.69	(0.01)	707.31	1	Groundwater Conservation District	Transducer		
P	6/21/2014		98.67	(0.02)	707.33	1	Groundwater Conservation District	Transducer		
P	6/22/2014		98.69	0.02	707.31	1	Groundwater Conservation District	Transducer		
P	6/23/2014		98.73	0.04	707.27	1	Groundwater Conservation District	Transducer		
P	6/24/2014		98.66	(0.07)	707.34	1	Groundwater Conservation District	Transducer		
P	6/25/2014		98.71	0.05	707.29	1	Groundwater Conservation District	Transducer		
P	6/26/2014		98.75	0.04	707.25	1	Groundwater Conservation District	Transducer		
P	6/27/2014		98.75	0.00	707.25	1	Groundwater Conservation District	Transducer		
P	6/28/2014		98.78	0.03	707.22	1	Groundwater Conservation District	Transducer		
P	6/29/2014		98.68	(0.10)	707.32	1	Groundwater Conservation District	Transducer		
P	6/30/2014		98.67	(0.01)	707.33	1	Groundwater Conservation District	Transducer		
P	7/1/2014		98.75	0.08	707.25	1	Groundwater Conservation District	Transducer		
P	7/2/2014		98.72	(0.03)	707.28	1	Groundwater Conservation District	Transducer		
P	7/3/2014		98.92	0.20	707.08	1	Groundwater Conservation District	Transducer		
P	7/4/2014		98.7	(0.22)	707.3	1	Groundwater Conservation District	Transducer		
P	7/5/2014		98.69	(0.01)	707.31	1	Groundwater Conservation District	Transducer		
P	7/6/2014		98.84	0.15	707.16	1	Groundwater Conservation District	Transducer		
P	7/7/2014		99.07	0.23	706.93	1	Groundwater Conservation District	Transducer		
P	7/8/2014		99.13	0.06	706.87	1	Groundwater Conservation District	Transducer		
P	7/9/2014		99.13	0.00	706.87	1	Groundwater Conservation District	Transducer		
P	7/10/2014		99.2	0.07	706.8	1	Groundwater Conservation District	Transducer		
P	7/11/2014		99.18	(0.02)	706.82	1	Groundwater Conservation District	Transducer		
P	7/12/2014		98.95	(0.23)	707.05	1	Groundwater Conservation District	Transducer		
P	7/13/2014		99.01	0.06	706.99	1	Groundwater Conservation District	Transducer		
P	7/14/2014		99.15	0.14	706.85	1	Groundwater Conservation District	Transducer		

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P	7/15/2014		98.98	(0.17)	707.02	1	Groundwater Conservation District	Transducer		
P	7/16/2014		98.87	(0.11)	707.13	1	Groundwater Conservation District	Transducer		
P	7/17/2014		98.98	0.11	707.02	1	Groundwater Conservation District	Transducer		
P	7/18/2014		99.01	0.03	706.99	1	Groundwater Conservation District	Transducer		
P	7/19/2014		98.93	(0.08)	707.07	1	Groundwater Conservation District	Transducer		
P	7/20/2014		99.24	0.31	706.76	1	Groundwater Conservation District	Transducer		
P	7/21/2014		99.15	(0.09)	706.85	1	Groundwater Conservation District	Transducer		
P	7/22/2014		99.07	(0.08)	706.93	1	Groundwater Conservation District	Transducer		
P	7/23/2014		98.99	(0.08)	707.01	1	Groundwater Conservation District	Transducer		
P	7/24/2014		99.03	0.04	706.97	1	Groundwater Conservation District	Transducer		
P	7/25/2014		99	(0.03)	707	1	Groundwater Conservation District	Transducer		
P	7/26/2014		99.01	0.01	706.99	1	Groundwater Conservation District	Transducer		
P	7/27/2014		98.95	(0.06)	707.05	1	Groundwater Conservation District	Transducer		
P	7/28/2014		99.12	0.17	706.88	1	Groundwater Conservation District	Transducer		
P	7/29/2014		99.05	(0.07)	706.95	1	Groundwater Conservation District	Transducer		
P	7/30/2014		99.2	0.15	706.8	1	Groundwater Conservation District	Transducer		
P	7/31/2014		99.19	(0.01)	706.81	1	Groundwater Conservation District	Transducer		
P	8/1/2014		99.09	(0.10)	706.91	1	Groundwater Conservation District	Transducer		
P	8/2/2014		99.12	0.03	706.88	1	Groundwater Conservation District	Transducer		
P	8/3/2014		99.09	(0.03)	706.91	1	Groundwater Conservation District	Transducer		
P	8/4/2014		99.13	0.04	706.87	1	Groundwater Conservation District	Transducer		
P	8/5/2014		99.01	(0.12)	706.99	1	Groundwater Conservation District	Transducer		
P	8/6/2014		99.01	0.00	706.99	1	Groundwater Conservation District	Transducer		
P	8/7/2014		99.03	0.02	706.97	1	Groundwater Conservation District	Transducer		
P	8/8/2014		99.27	0.24	706.73	1	Groundwater Conservation District	Transducer		
P	8/9/2014		99.09	(0.18)	706.91	1	Groundwater Conservation District	Transducer		
P	8/10/2014		99.2	0.11	706.8	1	Groundwater Conservation District	Transducer		

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P	8/11/2014		99.33	0.13	706.67	1	Groundwater Conservation District	Transducer		
P	8/12/2014		99.19	(0.14)	706.81	1	Groundwater Conservation District	Transducer		
P	8/13/2014		99.13	(0.06)	706.87	1	Groundwater Conservation District	Transducer		
P	8/14/2014		99.15	0.02	706.85	1	Groundwater Conservation District	Transducer		
P	8/15/2014		99.05	(0.10)	706.95	1	Groundwater Conservation District	Transducer		
P	8/16/2014		99.16	0.11	706.84	1	Groundwater Conservation District	Transducer		
P	8/17/2014		99.16	0.00	706.84	1	Groundwater Conservation District	Transducer		
P	8/18/2014		99.1	(0.06)	706.9	1	Groundwater Conservation District	Transducer		
P	8/19/2014		99.2	0.10	706.8	1	Groundwater Conservation District	Transducer		
P	8/20/2014		99.03	(0.17)	706.97	1	Groundwater Conservation District	Transducer		
P	8/21/2014		99.17	0.14	706.83	1	Groundwater Conservation District	Transducer		
P	8/22/2014		99.04	(0.13)	706.96	1	Groundwater Conservation District	Transducer		
P	8/23/2014		99.07	0.03	706.93	1	Groundwater Conservation District	Transducer		
P	8/24/2014		99.25	0.18	706.75	1	Groundwater Conservation District	Transducer		
P	8/25/2014		99.41	0.16	706.59	1	Groundwater Conservation District	Transducer		
P	8/26/2014		99.29	(0.12)	706.71	1	Groundwater Conservation District	Transducer		
P	8/27/2014		99.17	(0.12)	706.83	1	Groundwater Conservation District	Transducer		
P	8/28/2014		99.32	0.15	706.68	1	Groundwater Conservation District	Transducer		
P	8/29/2014		99.22	(0.10)	706.78	1	Groundwater Conservation District	Transducer		
P	8/30/2014		99.35	0.13	706.65	1	Groundwater Conservation District	Transducer		
P	8/31/2014		99.3	(0.05)	706.7	1	Groundwater Conservation District	Transducer		
P	9/1/2014		99.36	0.06	706.64	1	Groundwater Conservation District	Transducer		
P	9/2/2014		99.41	0.05	706.59	1	Groundwater Conservation District	Transducer		
P	9/3/2014		99.35	(0.06)	706.65	1	Groundwater Conservation District	Transducer		
P	9/4/2014		99.34	(0.01)	706.66	1	Groundwater Conservation District	Transducer		
P	9/5/2014		99.37	0.03	706.63	1	Groundwater Conservation District	Transducer		
P	9/6/2014		99.37	0.00	706.63	1	Groundwater Conservation District	Transducer		



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P	9/7/2014		99.32	(0.05)	706.68	1	Groundwater Conservation District	Transducer		
P	9/8/2014		99.32	0.00	706.68	1	Groundwater Conservation District	Transducer		
P	9/9/2014		99.31	(0.01)	706.69	1	Groundwater Conservation District	Transducer		
P	9/10/2014		99.26	(0.05)	706.74	1	Groundwater Conservation District	Transducer		
P	9/11/2014		99.51	0.25	706.49	1	Groundwater Conservation District	Transducer		
P	9/12/2014		99.44	(0.07)	706.56	1	Groundwater Conservation District	Transducer		
P	9/13/2014		99.37	(0.07)	706.63	1	Groundwater Conservation District	Transducer		
P	9/14/2014		99.32	(0.05)	706.68	1	Groundwater Conservation District	Transducer		
P	9/15/2014		99.32	0.00	706.68	1	Groundwater Conservation District	Transducer		
P	9/16/2014		99.39	0.07	706.61	1	Groundwater Conservation District	Transducer		
P	9/17/2014		99.36	(0.03)	706.64	1	Groundwater Conservation District	Transducer		
P	9/18/2014		99.32	(0.04)	706.68	1	Groundwater Conservation District	Transducer		
P	9/19/2014		99.27	(0.05)	706.73	1	Groundwater Conservation District	Transducer		
P	9/20/2014		99.26	(0.01)	706.74	1	Groundwater Conservation District	Transducer		
P	9/21/2014		99.52	0.26	706.48	1	Groundwater Conservation District	Transducer		
P	9/22/2014		99.58	0.06	706.42	1	Groundwater Conservation District	Transducer		
P	9/23/2014		99.49	(0.09)	706.51	1	Groundwater Conservation District	Transducer		
P	9/24/2014		99.43	(0.06)	706.57	1	Groundwater Conservation District	Transducer		
P	9/25/2014		99.38	(0.05)	706.62	1	Groundwater Conservation District	Transducer		
P	9/26/2014		99.37	(0.01)	706.63	1	Groundwater Conservation District	Transducer		
P	9/27/2014		99.35	(0.02)	706.65	1	Groundwater Conservation District	Transducer		
P	9/28/2014		99.44	0.09	706.56	1	Groundwater Conservation District	Transducer		
P	9/29/2014		99.27	(0.17)	706.73	1	Groundwater Conservation District	Transducer		
P	9/30/2014		99.3	0.03	706.7	1	Groundwater Conservation District	Transducer		
P	10/1/2014		99.26	(0.04)	706.74	1	Groundwater Conservation District	Transducer		
P	10/2/2014		99.29	0.03	706.71	1	Groundwater Conservation District	Transducer		
P	10/3/2014		99.19	(0.10)	706.81	1	Groundwater Conservation District	Transducer		

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P	10/4/2014		99.14	(0.05)	706.86	1	Groundwater Conservation District	Transducer		
P	10/5/2014		99.23	0.09	706.77	1	Groundwater Conservation District	Transducer		
P	10/6/2014		99.26	0.03	706.74	1	Groundwater Conservation District	Transducer		
P	10/7/2014		99.18	(0.08)	706.82	1	Groundwater Conservation District	Transducer		
P	10/8/2014		99.21	0.03	706.79	1	Groundwater Conservation District	Transducer		
P	10/9/2014		99.2	(0.01)	706.8	1	Groundwater Conservation District	Transducer		
P	10/10/2014		99.29	0.09	706.71	1	Groundwater Conservation District	Transducer		
P	10/11/2014		99.18	(0.11)	706.82	1	Groundwater Conservation District	Transducer		
P	10/12/2014		99.24	0.06	706.76	1	Groundwater Conservation District	Transducer		
P	10/13/2014		99.3	0.06	706.7	1	Groundwater Conservation District	Transducer		
P	10/14/2014		99.09	(0.21)	706.91	1	Groundwater Conservation District	Transducer		
P	10/15/2014		99.1	0.01	706.9	1	Groundwater Conservation District	Transducer		
P	10/16/2014		99.08	(0.02)	706.92	1	Groundwater Conservation District	Transducer		
P	10/17/2014		99.24	0.16	706.76	1	Groundwater Conservation District	Transducer		
P	10/18/2014		99.14	(0.10)	706.86	1	Groundwater Conservation District	Transducer		
P	10/19/2014		99.15	0.01	706.85	1	Groundwater Conservation District	Transducer		
P	10/20/2014		99.17	0.02	706.83	1	Groundwater Conservation District	Transducer		
P	10/21/2014		99.17	0.00	706.83	1	Groundwater Conservation District	Transducer		
P	10/22/2014		99.15	(0.02)	706.85	1	Groundwater Conservation District	Transducer		
P	10/23/2014		99.09	(0.06)	706.91	1	Groundwater Conservation District	Transducer		
P	10/24/2014		99.14	0.05	706.86	1	Groundwater Conservation District	Transducer		
P	10/25/2014		99.11	(0.03)	706.89	1	Groundwater Conservation District	Transducer		
P	10/26/2014		99.18	0.07	706.82	1	Groundwater Conservation District	Transducer		
P	10/27/2014		99.25	0.07	706.75	1	Groundwater Conservation District	Transducer		
P	10/28/2014		99.19	(0.06)	706.81	1	Groundwater Conservation District	Transducer		
P	10/29/2014		99.16	(0.03)	706.84	1	Groundwater Conservation District	Transducer		
P	10/30/2014		99.28	0.12	706.72	1	Groundwater Conservation District	Transducer		

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P	10/31/2014		99.23	(0.05)	706.77	1	Groundwater Conservation District	Transducer		
P	11/1/2014		99.17	(0.06)	706.83	1	Groundwater Conservation District	Transducer		
P	11/2/2014		99.21	0.04	706.79	1	Groundwater Conservation District	Transducer		
P	11/3/2014		99.36	0.15	706.64	1	Groundwater Conservation District	Transducer		
P	11/4/2014		99.32	(0.04)	706.68	1	Groundwater Conservation District	Transducer		
P	11/5/2014		99.2	(0.12)	706.8	1	Groundwater Conservation District	Transducer		
P	11/6/2014		99.17	(0.03)	706.83	1	Groundwater Conservation District	Transducer		
P	11/7/2014		99.18	0.01	706.82	1	Groundwater Conservation District	Transducer		
P	11/8/2014		99.28	0.10	706.72	1	Groundwater Conservation District	Transducer		
P	11/9/2014		99.14	(0.14)	706.86	1	Groundwater Conservation District	Transducer		
P	11/10/2014		99.3	0.16	706.7	1	Groundwater Conservation District	Transducer		
P	11/11/2014		99.26	(0.04)	706.74	1	Groundwater Conservation District	Transducer		
P	11/12/2014		99.09	(0.17)	706.91	1	Groundwater Conservation District	Transducer		
P	11/13/2014		99.11	0.02	706.89	1	Groundwater Conservation District	Transducer		
P	11/14/2014		99.1	(0.01)	706.9	1	Groundwater Conservation District	Transducer		
P	11/15/2014		99.1	0.00	706.9	1	Groundwater Conservation District	Transducer		
P	11/16/2014		99.23	0.13	706.77	1	Groundwater Conservation District	Transducer		
P	11/17/2014		99.14	(0.09)	706.86	1	Groundwater Conservation District	Transducer		
P	11/18/2014		99.05	(0.09)	706.95	1	Groundwater Conservation District	Transducer		
P	11/19/2014		99.08	0.03	706.92	1	Groundwater Conservation District	Transducer		
P	11/20/2014		99.12	0.04	706.88	1	Groundwater Conservation District	Transducer		
P	11/21/2014		99.11	(0.01)	706.89	1	Groundwater Conservation District	Transducer		
P	11/22/2014		99.06	(0.05)	706.94	1	Groundwater Conservation District	Transducer		
P	11/23/2014		99.12	0.06	706.88	1	Groundwater Conservation District	Transducer		
P	11/24/2014		99.05	(0.07)	706.95	1	Groundwater Conservation District	Transducer		
P	11/25/2014		98.96	(0.09)	707.04	1	Groundwater Conservation District	Transducer		
P	11/26/2014		98.97	0.01	707.03	1	Groundwater Conservation District	Transducer		

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P	11/27/2014		98.96	(0.01)	707.04	1	Groundwater Conservation District	Transducer		
P	11/28/2014		99.06	0.10	706.94	1	Groundwater Conservation District	Transducer		
P	11/29/2014		99.05	(0.01)	706.95	1	Groundwater Conservation District	Transducer		
P	11/30/2014		99.11	0.06	706.89	1	Groundwater Conservation District	Transducer		
P	12/1/2014		99.05	(0.06)	706.95	1	Groundwater Conservation District	Transducer		
P	12/2/2014		98.9	(0.15)	707.1	1	Groundwater Conservation District	Transducer		
P	12/3/2014		98.97	0.07	707.03	1	Groundwater Conservation District	Transducer		
P	12/4/2014		98.98	0.01	707.02	1	Groundwater Conservation District	Transducer		
P	12/5/2014		98.98	0.00	707.02	1	Groundwater Conservation District	Transducer		
P	12/6/2014		98.93	(0.05)	707.07	1	Groundwater Conservation District	Transducer		
P	12/7/2014		98.99	0.06	707.01	1	Groundwater Conservation District	Transducer		
P	12/8/2014		98.96	(0.03)	707.04	1	Groundwater Conservation District	Transducer		
P	12/9/2014		98.89	(0.07)	707.11	1	Groundwater Conservation District	Transducer		
P	12/10/2014		98.91	0.02	707.09	1	Groundwater Conservation District	Transducer		
P	12/11/2014		98.96	0.05	707.04	1	Groundwater Conservation District	Transducer		
P	12/12/2014		98.89	(0.07)	707.11	1	Groundwater Conservation District	Transducer		
P	12/13/2014		98.87	(0.02)	707.13	1	Groundwater Conservation District	Transducer		
P	12/14/2014		98.93	0.06	707.07	1	Groundwater Conservation District	Transducer		
P	12/15/2014		98.97	0.04	707.03	1	Groundwater Conservation District	Transducer		
P	12/16/2014		98.85	(0.12)	707.15	1	Groundwater Conservation District	Transducer		
P	12/17/2014		98.88	0.03	707.12	1	Groundwater Conservation District	Transducer		
P	12/18/2014		98.94	0.06	707.06	1	Groundwater Conservation District	Transducer		
P	12/19/2014		98.87	(0.07)	707.13	1	Groundwater Conservation District	Transducer		
P	12/20/2014		98.95	0.08	707.05	1	Groundwater Conservation District	Transducer		
P	12/21/2014		98.98	0.03	707.02	1	Groundwater Conservation District	Transducer		
P	12/22/2014		98.97	(0.01)	707.03	1	Groundwater Conservation District	Transducer		
P	12/23/2014		98.95	(0.02)	707.05	1	Groundwater Conservation District	Transducer		

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P	12/24/2014		98.81	(0.14)	707.19	1	Groundwater Conservation District	Transducer		
P	12/25/2014		98.92	0.11	707.08	1	Groundwater Conservation District	Transducer		
P	12/26/2014		98.84	(0.08)	707.16	1	Groundwater Conservation District	Transducer		
P	12/27/2014		98.92	0.08	707.08	1	Groundwater Conservation District	Transducer		
P	12/28/2014		98.88	(0.04)	707.12	1	Groundwater Conservation District	Transducer		
P	12/29/2014		98.84	(0.04)	707.16	1	Groundwater Conservation District	Transducer		
P	12/30/2014		99.01	0.17	706.99	1	Groundwater Conservation District	Transducer		
P	12/31/2014		98.91	(0.10)	707.09	1	Groundwater Conservation District	Transducer		
P	1/1/2015		98.87	(0.04)	707.13	1	Groundwater Conservation District	Transducer		
P	1/2/2015		98.9	0.03	707.1	1	Groundwater Conservation District	Transducer		
P	1/3/2015		98.9	0.00	707.1	1	Groundwater Conservation District	Transducer		
P	1/4/2015		98.92	0.02	707.08	1	Groundwater Conservation District	Transducer		
P	1/5/2015		98.85	(0.07)	707.15	1	Groundwater Conservation District	Transducer		
P	1/6/2015		98.87	0.02	707.13	1	Groundwater Conservation District	Transducer		
P	1/7/2015		98.94	0.07	707.06	1	Groundwater Conservation District	Transducer		
P	1/8/2015		98.8	(0.14)	707.2	1	Groundwater Conservation District	Transducer		
P	1/9/2015		98.94	0.14	707.06	1	Groundwater Conservation District	Transducer		
P	1/10/2015		98.84	(0.10)	707.16	1	Groundwater Conservation District	Transducer		
P	1/11/2015		98.85	0.01	707.15	1	Groundwater Conservation District	Transducer		
P	1/12/2015		98.91	0.06	707.09	1	Groundwater Conservation District	Transducer		
P	1/13/2015		98.84	(0.07)	707.16	1	Groundwater Conservation District	Transducer		
P	1/14/2015		98.91	0.07	707.09	1	Groundwater Conservation District	Transducer		
P	1/15/2015		98.89	(0.02)	707.11	1	Groundwater Conservation District	Transducer		
P	1/16/2015		98.99	0.10	707.01	1	Groundwater Conservation District	Transducer		
P	1/17/2015		98.94	(0.05)	707.06	1	Groundwater Conservation District	Transducer		
P	1/18/2015		98.95	0.01	707.05	1	Groundwater Conservation District	Transducer		
P	1/19/2015		99.02	0.07	706.98	1	Groundwater Conservation District	Transducer		

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P	1/20/2015		99.06	0.04	706.94	1	Groundwater Conservation District	Transducer		
P	1/21/2015		98.95	(0.11)	707.05	1	Groundwater Conservation District	Transducer		
P	1/22/2015		98.92	(0.03)	707.08	1	Groundwater Conservation District	Transducer		
P	1/23/2015		98.92	0.00	707.08	1	Groundwater Conservation District	Transducer		
P	1/24/2015		98.82	(0.10)	707.18	1	Groundwater Conservation District	Transducer		
P	1/25/2015		98.86	0.04	707.14	1	Groundwater Conservation District	Transducer		
P	1/26/2015		98.81	(0.05)	707.19	1	Groundwater Conservation District	Transducer		
P	1/27/2015		98.94	0.13	707.06	1	Groundwater Conservation District	Transducer		
P	1/28/2015		98.81	(0.13)	707.19	1	Groundwater Conservation District	Transducer		
P	1/29/2015		98.91	0.10	707.09	1	Groundwater Conservation District	Transducer		
P	1/30/2015		98.72	(0.19)	707.28	1	Groundwater Conservation District	Transducer		
P	1/31/2015		98.89	0.17	707.11	1	Groundwater Conservation District	Transducer		
P	2/1/2015		98.91	0.02	707.09	1	Groundwater Conservation District	Transducer		
P	2/2/2015		98.73	(0.18)	707.27	1	Groundwater Conservation District	Transducer		
P	2/3/2015		98.82	0.09	707.18	1	Groundwater Conservation District	Transducer		
P	2/4/2015		98.82	0.00	707.18	1	Groundwater Conservation District	Transducer		
P	2/5/2015		98.75	(0.07)	707.25	1	Groundwater Conservation District	Transducer		
P	2/6/2015		98.8	0.05	707.2	1	Groundwater Conservation District	Transducer		
P	2/7/2015		98.81	0.01	707.19	1	Groundwater Conservation District	Transducer		
P	2/8/2015		98.82	0.01	707.18	1	Groundwater Conservation District	Transducer		
P	2/9/2015		98.74	(0.08)	707.26	1	Groundwater Conservation District	Transducer		
P	2/10/2015		98.74	0.00	707.26	1	Groundwater Conservation District	Transducer		
P	2/11/2015		98.92	0.18	707.08	1	Groundwater Conservation District	Transducer		
P	2/12/2015		98.7	(0.22)	707.3	1	Groundwater Conservation District	Transducer		
P	2/13/2015		98.74	0.04	707.26	1	Groundwater Conservation District	Transducer		
P	2/14/2015		98.74	0.00	707.26	1	Groundwater Conservation District	Transducer		
P	2/15/2015		98.77	0.03	707.23	1	Groundwater Conservation District	Transducer		



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P	2/16/2015		98.88	0.11	707.12	1	Groundwater Conservation District	Transducer		
P	2/17/2015		98.76	(0.12)	707.24	1	Groundwater Conservation District	Transducer		
P	2/18/2015		98.75	(0.01)	707.25	1	Groundwater Conservation District	Transducer		
P	2/19/2015		98.71	(0.04)	707.29	1	Groundwater Conservation District	Transducer		
P	2/20/2015		98.74	0.03	707.26	1	Groundwater Conservation District	Transducer		
P	2/21/2015		98.85	0.11	707.15	1	Groundwater Conservation District	Transducer		
P	2/22/2015		98.75	(0.10)	707.25	1	Groundwater Conservation District	Transducer		
P	2/23/2015		98.68	(0.07)	707.32	1	Groundwater Conservation District	Transducer		
P	2/24/2015		98.71	0.03	707.29	1	Groundwater Conservation District	Transducer		
P	2/25/2015		98.81	0.10	707.19	1	Groundwater Conservation District	Transducer		
P	2/26/2015		98.77	(0.04)	707.23	1	Groundwater Conservation District	Transducer		
P	2/27/2015		98.73	(0.04)	707.27	1	Groundwater Conservation District	Transducer		
P	2/28/2015		98.68	(0.05)	707.32	1	Groundwater Conservation District	Transducer		
P	3/1/2015		98.85	0.17	707.15	1	Groundwater Conservation District	Transducer		
P	3/2/2015		98.7	(0.15)	707.3	1	Groundwater Conservation District	Transducer		
P	3/3/2015		98.74	0.04	707.26	1	Groundwater Conservation District	Transducer		
P	3/4/2015		98.79	0.05	707.21	1	Groundwater Conservation District	Transducer		
P	3/5/2015		98.81	0.02	707.19	1	Groundwater Conservation District	Transducer		
P	3/6/2015		98.71	(0.10)	707.29	1	Groundwater Conservation District	Transducer		
P	3/7/2015		98.72	0.01	707.28	1	Groundwater Conservation District	Transducer		
P	3/8/2015		98.67	(0.05)	707.33	1	Groundwater Conservation District	Transducer		
P	3/9/2015		98.88	0.21	707.12	1	Groundwater Conservation District	Transducer		
P	3/10/2015		98.69	(0.19)	707.31	1	Groundwater Conservation District	Transducer		
P	3/11/2015		98.62	(0.07)	707.38	1	Groundwater Conservation District	Transducer		
P	3/12/2015		98.64	0.02	707.36	1	Groundwater Conservation District	Transducer		
P	3/13/2015		98.71	0.07	707.29	1	Groundwater Conservation District	Transducer		
P	3/14/2015		98.68	(0.03)	707.32	1	Groundwater Conservation District	Transducer		

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P	3/15/2015		98.6	(0.08)	707.4	1	Groundwater Conservation District	Transducer		
P	3/16/2015		98.77	0.17	707.23	1	Groundwater Conservation District	Transducer		
P	3/17/2015		98.71	(0.06)	707.29	1	Groundwater Conservation District	Transducer		
P	3/18/2015		98.7	(0.01)	707.3	1	Groundwater Conservation District	Transducer		
P	3/19/2015		98.7	0.00	707.3	1	Groundwater Conservation District	Transducer		
P	3/20/2015		98.77	0.07	707.23	1	Groundwater Conservation District	Transducer		
P	3/21/2015		98.66	(0.11)	707.34	1	Groundwater Conservation District	Transducer		
P	3/22/2015		98.81	0.15	707.19	1	Groundwater Conservation District	Transducer		
P	3/23/2015		98.67	(0.14)	707.33	1	Groundwater Conservation District	Transducer		
P	3/24/2015		98.69	0.02	707.31	1	Groundwater Conservation District	Transducer		
P	3/25/2015		98.73	0.04	707.27	1	Groundwater Conservation District	Transducer		
P	3/26/2015		98.65	(0.08)	707.35	1	Groundwater Conservation District	Transducer		
P	3/27/2015		98.62	(0.03)	707.38	1	Groundwater Conservation District	Transducer		
P	3/28/2015		98.65	0.03	707.35	1	Groundwater Conservation District	Transducer		
P	3/29/2015		98.63	(0.02)	707.37	1	Groundwater Conservation District	Transducer		
P	3/30/2015		98.73	0.10	707.27	1	Groundwater Conservation District	Transducer		
P	3/31/2015		98.82	0.09	707.18	1	Groundwater Conservation District	Transducer		
P	4/1/2015		98.71	(0.11)	707.29	1	Groundwater Conservation District	Transducer		
P	4/2/2015		98.66	(0.05)	707.34	1	Groundwater Conservation District	Transducer		
P	4/3/2015		98.74	0.08	707.26	1	Groundwater Conservation District	Transducer		
P	4/4/2015		98.61	(0.13)	707.39	1	Groundwater Conservation District	Transducer		
P	4/5/2015		98.63	0.02	707.37	1	Groundwater Conservation District	Transducer		
P	4/6/2015		98.68	0.05	707.32	1	Groundwater Conservation District	Transducer		
P	4/7/2015		98.65	(0.03)	707.35	1	Groundwater Conservation District	Transducer		
P	4/8/2015		98.81	0.16	707.19	1	Groundwater Conservation District	Transducer		
P	4/9/2015		98.69	(0.12)	707.31	1	Groundwater Conservation District	Transducer		
P	4/10/2015		98.65	(0.04)	707.35	1	Groundwater Conservation District	Transducer		

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P	4/11/2015		98.77	0.12	707.23	1	Groundwater Conservation District	Transducer		
P	4/12/2015		98.68	(0.09)	707.32	1	Groundwater Conservation District	Transducer		
P	4/13/2015		98.71	0.03	707.29	1	Groundwater Conservation District	Transducer		
P	4/14/2015		98.64	(0.07)	707.36	1	Groundwater Conservation District	Transducer		
P	4/15/2015		98.77	0.13	707.23	1	Groundwater Conservation District	Transducer		
P	4/16/2015		98.69	(0.08)	707.31	1	Groundwater Conservation District	Transducer		
P	4/17/2015		98.66	(0.03)	707.34	1	Groundwater Conservation District	Transducer		
P	4/18/2015		98.62	(0.04)	707.38	1	Groundwater Conservation District	Transducer		
P	4/19/2015		98.69	0.07	707.31	1	Groundwater Conservation District	Transducer		
P	4/20/2015		98.65	(0.04)	707.35	1	Groundwater Conservation District	Transducer		
P	4/21/2015		98.57	(0.08)	707.43	1	Groundwater Conservation District	Transducer		
P	4/22/2015		98.69	0.12	707.31	1	Groundwater Conservation District	Transducer		
P	4/23/2015		98.58	(0.11)	707.42	1	Groundwater Conservation District	Transducer		
P	4/24/2015		98.67	0.09	707.33	1	Groundwater Conservation District	Transducer		
P	4/25/2015		98.61	(0.06)	707.39	1	Groundwater Conservation District	Transducer		
P	4/26/2015		98.69	0.08	707.31	1	Groundwater Conservation District	Transducer		
P	4/27/2015		98.72	0.03	707.28	1	Groundwater Conservation District	Transducer		
P	4/28/2015		98.56	(0.16)	707.44	1	Groundwater Conservation District	Transducer		
P	4/29/2015		98.62	0.06	707.38	1	Groundwater Conservation District	Transducer		
P	4/30/2015		98.69	0.07	707.31	1	Groundwater Conservation District	Transducer		
P	5/1/2015		98.57	(0.12)	707.43	1	Groundwater Conservation District	Transducer		
P	5/2/2015		98.56	(0.01)	707.44	1	Groundwater Conservation District	Transducer		
P	5/3/2015		98.56	0.00	707.44	1	Groundwater Conservation District	Transducer		
P	5/4/2015		98.64	0.08	707.36	1	Groundwater Conservation District	Transducer		
P	5/5/2015		98.53	(0.11)	707.47	1	Groundwater Conservation District	Transducer		
P	5/6/2015		98.55	0.02	707.45	1	Groundwater Conservation District	Transducer		
P	5/7/2015		98.69	0.14	707.31	1	Groundwater Conservation District	Transducer		

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P	5/8/2015		98.6	(0.09)	707.4	1	Groundwater Conservation District	Transducer		
P	5/9/2015		98.55	(0.05)	707.45	1	Groundwater Conservation District	Transducer		
P	5/10/2015		98.52	(0.03)	707.48	1	Groundwater Conservation District	Transducer		
P	5/11/2015		98.62	0.10	707.38	1	Groundwater Conservation District	Transducer		
P	5/12/2015		98.51	(0.11)	707.49	1	Groundwater Conservation District	Transducer		
P	5/13/2015		98.5	(0.01)	707.5	1	Groundwater Conservation District	Transducer		
P	5/14/2015		98.52	0.02	707.48	1	Groundwater Conservation District	Transducer		
P	5/15/2015		98.65	0.13	707.35	1	Groundwater Conservation District	Transducer		
P	5/16/2015		98.59	(0.06)	707.41	1	Groundwater Conservation District	Transducer		
P	5/17/2015		98.55	(0.04)	707.45	1	Groundwater Conservation District	Transducer		
P	5/18/2015		98.47	(0.08)	707.53	1	Groundwater Conservation District	Transducer		
P	5/19/2015		98.52	0.05	707.48	1	Groundwater Conservation District	Transducer		
P	5/20/2015		98.46	(0.06)	707.54	1	Groundwater Conservation District	Transducer		
P	5/21/2015		98.4	(0.06)	707.6	1	Groundwater Conservation District	Transducer		
P	5/22/2015		98.41	0.01	707.59	1	Groundwater Conservation District	Transducer		
P	5/23/2015		98.5	0.09	707.5	1	Groundwater Conservation District	Transducer		
P	5/24/2015		98.36	(0.14)	707.64	1	Groundwater Conservation District	Transducer		
P	5/25/2015		98.31	(0.05)	707.69	1	Groundwater Conservation District	Transducer		
P	5/26/2015		98.34	0.03	707.66	1	Groundwater Conservation District	Transducer		
P	5/27/2015		98.36	0.02	707.64	1	Groundwater Conservation District	Transducer		
P	5/28/2015		98.24	(0.12)	707.76	1	Groundwater Conservation District	Transducer		
P	5/29/2015		98.21	(0.03)	707.79	1	Groundwater Conservation District	Transducer		
P	5/30/2015		98.24	0.03	707.76	1	Groundwater Conservation District	Transducer		
P	5/31/2015		98.23	(0.01)	707.77	1	Groundwater Conservation District	Transducer		
P	6/1/2015		98.49	0.26	707.51	1	Groundwater Conservation District	Transducer		
P	6/2/2015		98.33	(0.16)	707.67	1	Groundwater Conservation District	Transducer		
P	6/3/2015		98.5	0.17	707.5	1	Groundwater Conservation District	Transducer		

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P	6/4/2015		98.43	(0.07)	707.57	1	Groundwater Conservation District	Transducer		
P	6/5/2015		98.56	0.13	707.44	1	Groundwater Conservation District	Transducer		
P	6/6/2015		98.43	(0.13)	707.57	1	Groundwater Conservation District	Transducer		
P	6/7/2015		98.57	0.14	707.43	1	Groundwater Conservation District	Transducer		
P	6/8/2015		98.59	0.02	707.41	1	Groundwater Conservation District	Transducer		
P	6/9/2015		98.6	0.01	707.4	1	Groundwater Conservation District	Transducer		
P	6/10/2015		98.61	0.01	707.39	1	Groundwater Conservation District	Transducer		
P	6/11/2015		98.69	0.08	707.31	1	Groundwater Conservation District	Transducer		
P	6/12/2015		98.67	(0.02)	707.33	1	Groundwater Conservation District	Transducer		
P	6/13/2015		98.89	0.22	707.11	1	Groundwater Conservation District	Transducer		
P	6/14/2015		98.74	(0.15)	707.26	1	Groundwater Conservation District	Transducer		
P	6/15/2015		98.7	(0.04)	707.3	1	Groundwater Conservation District	Transducer		
P	6/16/2015		98.75	0.05	707.25	1	Groundwater Conservation District	Transducer		
P	6/17/2015		98.76	0.01	707.24	1	Groundwater Conservation District	Transducer		
P	6/18/2015		98.76	0.00	707.24	1	Groundwater Conservation District	Transducer		
P	6/19/2015		98.83	0.07	707.17	1	Groundwater Conservation District	Transducer		
P	6/20/2015		98.78	(0.05)	707.22	1	Groundwater Conservation District	Transducer		
P	6/21/2015		98.87	0.09	707.13	1	Groundwater Conservation District	Transducer		
P	6/22/2015		98.81	(0.06)	707.19	1	Groundwater Conservation District	Transducer		
P	6/23/2015		98.86	0.05	707.14	1	Groundwater Conservation District	Transducer		
P	6/24/2015		98.91	0.05	707.09	1	Groundwater Conservation District	Transducer		
P	6/25/2015		98.9	(0.01)	707.1	1	Groundwater Conservation District	Transducer		
P	6/26/2015		98.82	(0.08)	707.18	1	Groundwater Conservation District	Transducer		
P	6/27/2015		98.87	0.05	707.13	1	Groundwater Conservation District	Transducer		
P	6/28/2015		98.83	(0.04)	707.17	1	Groundwater Conservation District	Transducer		
P	6/29/2015		98.84	0.01	707.16	1	Groundwater Conservation District	Transducer		
P	6/30/2015		98.84	0.00	707.16	1	Groundwater Conservation District	Transducer		

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P	7/1/2015		98.76	(0.08)	707.24	1	Groundwater Conservation District	Transducer		
P	7/2/2015		98.87	0.11	707.13	1	Groundwater Conservation District	Transducer		
P	7/3/2015		98.74	(0.13)	707.26	1	Groundwater Conservation District	Transducer		
P	7/4/2015		98.78	0.04	707.22	1	Groundwater Conservation District	Transducer		
P	7/5/2015		98.7	(0.08)	707.3	1	Groundwater Conservation District	Transducer		
P	7/6/2015		98.75	0.05	707.25	1	Groundwater Conservation District	Transducer		
P	7/7/2015		98.74	(0.01)	707.26	1	Groundwater Conservation District	Transducer		
P	7/8/2015		98.6	(0.14)	707.4	1	Groundwater Conservation District	Transducer		
P	7/9/2015		98.78	0.18	707.22	1	Groundwater Conservation District	Transducer		
P	7/10/2015		98.62	(0.16)	707.38	1	Groundwater Conservation District	Transducer		
P	7/11/2015		98.66	0.04	707.34	1	Groundwater Conservation District	Transducer		
P	7/12/2015		98.61	(0.05)	707.39	1	Groundwater Conservation District	Transducer		
P	7/13/2015		98.68	0.07	707.32	1	Groundwater Conservation District	Transducer		
P	7/14/2015		98.7	0.02	707.3	1	Groundwater Conservation District	Transducer		
P	7/15/2015		98.64	(0.06)	707.36	1	Groundwater Conservation District	Transducer		
P	7/16/2015		98.64	0.00	707.36	1	Groundwater Conservation District	Transducer		
P	7/17/2015		98.64	0.00	707.36	1	Groundwater Conservation District	Transducer		
P	7/18/2015		98.8	0.16	707.2	1	Groundwater Conservation District	Transducer		
P	7/19/2015		98.77	(0.03)	707.23	1	Groundwater Conservation District	Transducer		
P	7/20/2015		98.83	0.06	707.17	1	Groundwater Conservation District	Transducer		
P	7/21/2015		98.96	0.13	707.04	1	Groundwater Conservation District	Transducer		
P	7/22/2015		98.93	(0.03)	707.07	1	Groundwater Conservation District	Transducer		
P	7/23/2015		98.95	0.02	707.05	1	Groundwater Conservation District	Transducer		
P	7/24/2015		99.05	0.10	706.95	1	Groundwater Conservation District	Transducer		
P	7/25/2015		99	(0.05)	707	1	Groundwater Conservation District	Transducer		
P	7/26/2015		98.97	(0.03)	707.03	1	Groundwater Conservation District	Transducer		
P	7/27/2015		99.04	0.07	706.96	1	Groundwater Conservation District	Transducer		



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P	7/28/2015		99	(0.04)	707	1	Groundwater Conservation District	Transducer		
P	7/29/2015		98.79	(0.21)	707.21	1	Groundwater Conservation District	Transducer		
P	7/30/2015		98.84	0.05	707.16	1	Groundwater Conservation District	Transducer		
P	7/31/2015		98.88	0.04	707.12	1	Groundwater Conservation District	Transducer		
P	8/1/2015		98.75	(0.13)	707.25	1	Groundwater Conservation District	Transducer		
P	8/2/2015		98.87	0.12	707.13	1	Groundwater Conservation District	Transducer		
P	8/3/2015		99.12	0.25	706.88	1	Groundwater Conservation District	Transducer		
P	8/4/2015		98.99	(0.13)	707.01	1	Groundwater Conservation District	Transducer		
P	8/5/2015		98.91	(0.08)	707.09	1	Groundwater Conservation District	Transducer		
P	8/6/2015		98.99	0.08	707.01	1	Groundwater Conservation District	Transducer		
P	8/7/2015		98.9	(0.09)	707.1	1	Groundwater Conservation District	Transducer		
P	8/8/2015		98.85	(0.05)	707.15	1	Groundwater Conservation District	Transducer		
P	8/9/2015		98.88	0.03	707.12	1	Groundwater Conservation District	Transducer		
P	8/10/2015		99.09	0.21	706.91	1	Groundwater Conservation District	Transducer		
P	8/11/2015		98.93	(0.16)	707.07	1	Groundwater Conservation District	Transducer		
P	8/12/2015		98.97	0.04	707.03	1	Groundwater Conservation District	Transducer		
P	8/13/2015		99.03	0.06	706.97	1	Groundwater Conservation District	Transducer		
P	8/14/2015		98.96	(0.07)	707.04	1	Groundwater Conservation District	Transducer		
P	8/15/2015		99.13	0.17	706.87	1	Groundwater Conservation District	Transducer		
P	8/16/2015		98.99	(0.14)	707.01	1	Groundwater Conservation District	Transducer		
P	8/17/2015		99.02	0.03	706.98	1	Groundwater Conservation District	Transducer		
P	8/18/2015		99.13	0.11	706.87	1	Groundwater Conservation District	Transducer		
P	8/19/2015		99.21	0.08	706.79	1	Groundwater Conservation District	Transducer		
P	8/20/2015		98.97	(0.24)	707.03	1	Groundwater Conservation District	Transducer		
P	8/21/2015		99.21	0.24	706.79	1	Groundwater Conservation District	Transducer		
P	8/22/2015		99.03	(0.18)	706.97	1	Groundwater Conservation District	Transducer		
P	8/23/2015		99.07	0.04	706.93	1	Groundwater Conservation District	Transducer		

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P	8/24/2015		99.03	(0.04)	706.97	1	Groundwater Conservation District	Transducer		
P	8/25/2015		99.15	0.12	706.85	1	Groundwater Conservation District	Transducer		
P	8/26/2015		99.02	(0.13)	706.98	1	Groundwater Conservation District	Transducer		
P	8/27/2015		99.11	0.09	706.89	1	Groundwater Conservation District	Transducer		
P	8/28/2015		99.11	0.00	706.89	1	Groundwater Conservation District	Transducer		
P	8/29/2015		99.16	0.05	706.84	1	Groundwater Conservation District	Transducer		
P	8/30/2015		99.1	(0.06)	706.9	1	Groundwater Conservation District	Transducer		
P	8/31/2015		99.2	0.10	706.8	1	Groundwater Conservation District	Transducer		
P	9/1/2015		99.23	0.03	706.77	1	Groundwater Conservation District	Transducer		
P	9/2/2015		99.19	(0.04)	706.81	1	Groundwater Conservation District	Transducer		
P	9/3/2015		99.18	(0.01)	706.82	1	Groundwater Conservation District	Transducer		
P	9/4/2015		99.32	0.14	706.68	1	Groundwater Conservation District	Transducer		
P	9/5/2015		99.3	(0.02)	706.7	1	Groundwater Conservation District	Transducer		
P	9/6/2015		99.45	0.15	706.55	1	Groundwater Conservation District	Transducer		
P	9/7/2015		99.52	0.07	706.48	1	Groundwater Conservation District	Transducer		
P	9/8/2015		99.5	(0.02)	706.5	1	Groundwater Conservation District	Transducer		
P	9/9/2015		99.36	(0.14)	706.64	1	Groundwater Conservation District	Transducer		
P	9/10/2015		99.47	0.11	706.53	1	Groundwater Conservation District	Transducer		
P	9/11/2015		99.43	(0.04)	706.57	1	Groundwater Conservation District	Transducer		
P	9/12/2015		99.48	0.05	706.52	1	Groundwater Conservation District	Transducer		
P	9/13/2015		99.38	(0.10)	706.62	1	Groundwater Conservation District	Transducer		
P	9/14/2015		99.61	0.23	706.39	1	Groundwater Conservation District	Transducer		
P	9/15/2015		99.39	(0.22)	706.61	1	Groundwater Conservation District	Transducer		
P	9/16/2015		99.36	(0.03)	706.64	1	Groundwater Conservation District	Transducer		
P	9/17/2015		99.35	(0.01)	706.65	1	Groundwater Conservation District	Transducer		
P	9/18/2015		99.4	0.05	706.6	1	Groundwater Conservation District	Transducer		
P	9/19/2015		99.38	(0.02)	706.62	1	Groundwater Conservation District	Transducer		

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P	9/20/2015		99.48	0.10	706.52	1	Groundwater Conservation District	Transducer		
P	9/21/2015		99.41	(0.07)	706.59	1	Groundwater Conservation District	Transducer		
P	9/22/2015		99.48	0.07	706.52	1	Groundwater Conservation District	Transducer		
P	9/23/2015		99.46	(0.02)	706.54	1	Groundwater Conservation District	Transducer		
P	9/24/2015		99.57	0.11	706.43	1	Groundwater Conservation District	Transducer		
P	9/25/2015		99.46	(0.11)	706.54	1	Groundwater Conservation District	Transducer		
P	9/26/2015		99.52	0.06	706.48	1	Groundwater Conservation District	Transducer		
P	9/27/2015		99.44	(0.08)	706.56	1	Groundwater Conservation District	Transducer		
P	9/28/2015		99.47	0.03	706.53	1	Groundwater Conservation District	Transducer		
P	9/29/2015		99.43	(0.04)	706.57	1	Groundwater Conservation District	Transducer		
P	9/30/2015		99.54	0.11	706.46	1	Groundwater Conservation District	Transducer		
P	10/1/2015		99.49	(0.05)	706.51	1	Groundwater Conservation District	Transducer		
P	10/2/2015		99.54	0.05	706.46	1	Groundwater Conservation District	Transducer		
P	10/3/2015		99.47	(0.07)	706.53	1	Groundwater Conservation District	Transducer		
P	10/4/2015		99.55	0.08	706.45	1	Groundwater Conservation District	Transducer		
P	10/5/2015		99.57	0.02	706.43	1	Groundwater Conservation District	Transducer		
P	10/6/2015		99.7	0.13	706.3	1	Groundwater Conservation District	Transducer		
P	10/7/2015		99.53	(0.17)	706.47	1	Groundwater Conservation District	Transducer		
P	10/8/2015		99.55	0.02	706.45	1	Groundwater Conservation District	Transducer		
P	10/9/2015		99.48	(0.07)	706.52	1	Groundwater Conservation District	Transducer		
P	10/10/2015		99.47	(0.01)	706.53	1	Groundwater Conservation District	Transducer		
P	10/11/2015		99.52	0.05	706.48	1	Groundwater Conservation District	Transducer		
P	10/12/2015		99.6	0.08	706.4	1	Groundwater Conservation District	Transducer		
P	10/13/2015		99.61	0.01	706.39	1	Groundwater Conservation District	Transducer		
P	10/14/2015		99.61	0.00	706.39	1	Groundwater Conservation District	Transducer		
P	10/15/2015		99.6	(0.01)	706.4	1	Groundwater Conservation District	Transducer		
P	10/16/2015		99.52	(0.08)	706.48	1	Groundwater Conservation District	Transducer		

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P	10/17/2015		99.55	0.03	706.45	1	Groundwater Conservation District	Transducer		
P	10/18/2015		99.56	0.01	706.44	1	Groundwater Conservation District	Transducer		
P	10/19/2015		99.47	(0.09)	706.53	1	Groundwater Conservation District	Transducer		
P	10/20/2015		99.51	0.04	706.49	1	Groundwater Conservation District	Transducer		
P	10/21/2015		99.45	(0.06)	706.55	1	Groundwater Conservation District	Transducer		
P	10/22/2015		99.51	0.06	706.49	1	Groundwater Conservation District	Transducer		
P	10/23/2015		99.47	(0.04)	706.53	1	Groundwater Conservation District	Transducer		
P	10/24/2015		99.47	0.00	706.53	1	Groundwater Conservation District	Transducer		
P	10/25/2015		99.46	(0.01)	706.54	1	Groundwater Conservation District	Transducer		
P	10/26/2015		99.44	(0.02)	706.56	1	Groundwater Conservation District	Transducer		
P	10/27/2015		99.46	0.02	706.54	1	Groundwater Conservation District	Transducer		
P	10/28/2015		99.46	0.00	706.54	1	Groundwater Conservation District	Transducer		
P	10/29/2015		99.44	(0.02)	706.56	1	Groundwater Conservation District	Transducer		
P	10/30/2015		99.39	(0.05)	706.61	1	Groundwater Conservation District	Transducer		
P	10/31/2015		99.4	0.01	706.6	1	Groundwater Conservation District	Transducer		
P	11/1/2015		99.35	(0.05)	706.65	1	Groundwater Conservation District	Transducer		
P	11/2/2015		99.32	(0.03)	706.68	1	Groundwater Conservation District	Transducer		
P	11/3/2015		99.31	(0.01)	706.69	1	Groundwater Conservation District	Transducer		
P	11/4/2015		99.37	0.06	706.63	1	Groundwater Conservation District	Transducer		
P	11/5/2015		99.29	(0.08)	706.71	1	Groundwater Conservation District	Transducer		
P	11/6/2015		99.33	0.04	706.67	1	Groundwater Conservation District	Transducer		
P	11/7/2015		99.32	(0.01)	706.68	1	Groundwater Conservation District	Transducer		
P	11/8/2015		99.32	0.00	706.68	1	Groundwater Conservation District	Transducer		
P	11/9/2015		99.36	0.04	706.64	1	Groundwater Conservation District	Transducer		
P	11/10/2015		99.35	(0.01)	706.65	1	Groundwater Conservation District	Transducer		
P	11/11/2015		99.37	0.02	706.63	1	Groundwater Conservation District	Transducer		
P	11/12/2015		99.29	(0.08)	706.71	1	Groundwater Conservation District	Transducer		

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P	11/13/2015		99.38	0.09	706.62	1	Groundwater Conservation District	Transducer		
P	11/14/2015		99.35	(0.03)	706.65	1	Groundwater Conservation District	Transducer		
P	11/15/2015		99.26	(0.09)	706.74	1	Groundwater Conservation District	Transducer		
P	11/16/2015		99.32	0.06	706.68	1	Groundwater Conservation District	Transducer		
P	11/17/2015		99.47	0.15	706.53	1	Groundwater Conservation District	Transducer		
P	11/18/2015		99.41	(0.06)	706.59	1	Groundwater Conservation District	Transducer		
P	11/19/2015		99.25	(0.16)	706.75	1	Groundwater Conservation District	Transducer		
P	11/20/2015		99.24	(0.01)	706.76	1	Groundwater Conservation District	Transducer		
P	11/21/2015		99.27	0.03	706.73	1	Groundwater Conservation District	Transducer		
P	11/22/2015		99.26	(0.01)	706.74	1	Groundwater Conservation District	Transducer		
P	11/23/2015		99.21	(0.05)	706.79	1	Groundwater Conservation District	Transducer		
P	11/24/2015		99.23	0.02	706.77	1	Groundwater Conservation District	Transducer		
P	11/25/2015		99.28	0.05	706.72	1	Groundwater Conservation District	Transducer		
P	11/26/2015		99.31	0.03	706.69	1	Groundwater Conservation District	Transducer		
P	11/27/2015		99.23	(0.08)	706.77	1	Groundwater Conservation District	Transducer		
P	11/28/2015		99.14	(0.09)	706.86	1	Groundwater Conservation District	Transducer		
P	11/29/2015		99.15	0.01	706.85	1	Groundwater Conservation District	Transducer		
P	11/30/2015		99.15	0.00	706.85	1	Groundwater Conservation District	Transducer		
P	12/1/2015		99.14	(0.01)	706.86	1	Groundwater Conservation District	Transducer		
P	12/2/2015		99.1	(0.04)	706.9	1	Groundwater Conservation District	Transducer		
P	12/3/2015		99.02	(0.08)	706.98	1	Groundwater Conservation District	Transducer		
P	12/4/2015		99.06	0.04	706.94	1	Groundwater Conservation District	Transducer		
P	12/5/2015		99.11	0.05	706.89	1	Groundwater Conservation District	Transducer		
P	12/6/2015		99.07	(0.04)	706.93	1	Groundwater Conservation District	Transducer		
P	12/7/2015		99.1	0.03	706.9	1	Groundwater Conservation District	Transducer		
P	12/8/2015		99.12	0.02	706.88	1	Groundwater Conservation District	Transducer		
P	12/9/2015		99.15	0.03	706.85	1	Groundwater Conservation District	Transducer		

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P	12/10/2015		99.07	(0.08)	706.93	1	Groundwater Conservation District	Transducer		
P	12/11/2015		99.16	0.09	706.84	1	Groundwater Conservation District	Transducer		
P	12/12/2015		99.11	(0.05)	706.89	1	Groundwater Conservation District	Transducer		
P	12/13/2015		99.12	0.01	706.88	1	Groundwater Conservation District	Transducer		
P	12/14/2015		99.06	(0.06)	706.94	1	Groundwater Conservation District	Transducer		
P	12/15/2015		99.05	(0.01)	706.95	1	Groundwater Conservation District	Transducer		
P	12/16/2015		99.05	0.00	706.95	1	Groundwater Conservation District	Transducer		
P	12/17/2015		99.05	0.00	706.95	1	Groundwater Conservation District	Transducer		
P	12/18/2015		98.95	(0.10)	707.05	1	Groundwater Conservation District	Transducer		
P	12/19/2015		98.94	(0.01)	707.06	1	Groundwater Conservation District	Transducer		
P	12/20/2015		99.05	0.11	706.95	1	Groundwater Conservation District	Transducer		
P	12/21/2015		99.04	(0.01)	706.96	1	Groundwater Conservation District	Transducer		
P	12/22/2015		99.06	0.02	706.94	1	Groundwater Conservation District	Transducer		
P	12/23/2015		99.11	0.05	706.89	1	Groundwater Conservation District	Transducer		
P	12/24/2015		99.02	(0.09)	706.98	1	Groundwater Conservation District	Transducer		
P	12/25/2015		99	(0.02)	707	1	Groundwater Conservation District	Transducer		
P	12/26/2015		99.05	0.05	706.95	1	Groundwater Conservation District	Transducer		
P	12/27/2015		99.07	0.02	706.93	1	Groundwater Conservation District	Transducer		
P	12/28/2015		99.02	(0.05)	706.98	1	Groundwater Conservation District	Transducer		
P	12/29/2015		98.96	(0.06)	707.04	1	Groundwater Conservation District	Transducer		
P	12/30/2015		98.89	(0.07)	707.11	1	Groundwater Conservation District	Transducer		
P	12/31/2015		98.99	0.10	707.01	1	Groundwater Conservation District	Transducer		
P	1/1/2016		98.98	(0.01)	707.02	1	Groundwater Conservation District	Transducer		
P	1/2/2016		98.95	(0.03)	707.05	1	Groundwater Conservation District	Transducer		
P	1/3/2016		99.02	0.07	706.98	1	Groundwater Conservation District	Transducer		
P	1/4/2016		99.07	0.05	706.93	1	Groundwater Conservation District	Transducer		
P	1/5/2016		98.94	(0.13)	707.06	1	Groundwater Conservation District	Transducer		



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P	1/6/2016		98.96	0.02	707.04	1	Groundwater Conservation District	Transducer		
P	1/7/2016		99.01	0.05	706.99	1	Groundwater Conservation District	Transducer		
P	1/8/2016		99	(0.01)	707	1	Groundwater Conservation District	Transducer		
P	1/9/2016		98.93	(0.07)	707.07	1	Groundwater Conservation District	Transducer		
P	1/10/2016		98.85	(0.08)	707.15	1	Groundwater Conservation District	Transducer		
P	1/11/2016		98.93	0.08	707.07	1	Groundwater Conservation District	Transducer		
P	1/12/2016		99.09	0.16	706.91	1	Groundwater Conservation District	Transducer		
P	1/13/2016		98.98	(0.11)	707.02	1	Groundwater Conservation District	Transducer		
P	1/14/2016		99	0.02	707	1	Groundwater Conservation District	Transducer		
P	1/15/2016		98.99	(0.01)	707.01	1	Groundwater Conservation District	Transducer		
P	1/16/2016		99.03	0.04	706.97	1	Groundwater Conservation District	Transducer		
P	1/17/2016		98.85	(0.18)	707.15	1	Groundwater Conservation District	Transducer		
P	1/18/2016		98.89	0.04	707.11	1	Groundwater Conservation District	Transducer		
P	1/19/2016		98.88	(0.01)	707.12	1	Groundwater Conservation District	Transducer		
P	1/20/2016		98.87	(0.01)	707.13	1	Groundwater Conservation District	Transducer		
P	1/21/2016		98.97	0.10	707.03	1	Groundwater Conservation District	Transducer		
P	1/22/2016		98.93	(0.04)	707.07	1	Groundwater Conservation District	Transducer		
P	1/23/2016		98.91	(0.02)	707.09	1	Groundwater Conservation District	Transducer		
P	1/24/2016		98.98	0.07	707.02	1	Groundwater Conservation District	Transducer		
P	1/25/2016		98.97	(0.01)	707.03	1	Groundwater Conservation District	Transducer		
P	1/26/2016		98.88	(0.09)	707.12	1	Groundwater Conservation District	Transducer		
P	1/27/2016		98.81	(0.07)	707.19	1	Groundwater Conservation District	Transducer		
P	1/28/2016		98.9	0.09	707.1	1	Groundwater Conservation District	Transducer		
P	1/29/2016		98.89	(0.01)	707.11	1	Groundwater Conservation District	Transducer		
P	1/30/2016		98.93	0.04	707.07	1	Groundwater Conservation District	Transducer		
P	1/31/2016		98.95	0.02	707.05	1	Groundwater Conservation District	Transducer		
P	2/1/2016		98.98	0.03	707.02	1	Groundwater Conservation District	Transducer		

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P	2/2/2016		98.9	(0.08)	707.1	1	Groundwater Conservation District	Transducer		
P	2/3/2016		98.91	0.01	707.09	1	Groundwater Conservation District	Transducer		
P	2/4/2016		98.81	(0.10)	707.19	1	Groundwater Conservation District	Transducer		
P	2/5/2016		98.87	0.06	707.13	1	Groundwater Conservation District	Transducer		
P	2/6/2016		98.86	(0.01)	707.14	1	Groundwater Conservation District	Transducer		
P	2/7/2016		98.86	0.00	707.14	1	Groundwater Conservation District	Transducer		
P	2/8/2016		98.9	0.04	707.1	1	Groundwater Conservation District	Transducer		
P	2/9/2016		98.92	0.02	707.08	1	Groundwater Conservation District	Transducer		
P	2/10/2016		98.88	(0.04)	707.12	1	Groundwater Conservation District	Transducer		
P	2/11/2016		98.92	0.04	707.08	1	Groundwater Conservation District	Transducer		
P	2/12/2016		98.83	(0.09)	707.17	1	Groundwater Conservation District	Transducer		
P	2/13/2016		98.79	(0.04)	707.21	1	Groundwater Conservation District	Transducer		
P	2/14/2016		98.88	0.09	707.12	1	Groundwater Conservation District	Transducer		
P	2/15/2016		98.91	0.03	707.09	1	Groundwater Conservation District	Transducer		
P	2/16/2016		98.86	(0.05)	707.14	1	Groundwater Conservation District	Transducer		
P	2/17/2016		98.86	0.00	707.14	1	Groundwater Conservation District	Transducer		
P	2/18/2016		98.79	(0.07)	707.21	1	Groundwater Conservation District	Transducer		
P	2/19/2016		98.84	0.05	707.16	1	Groundwater Conservation District	Transducer		
P	2/20/2016		98.82	(0.02)	707.18	1	Groundwater Conservation District	Transducer		
P	2/21/2016		98.84	0.02	707.16	1	Groundwater Conservation District	Transducer		
P	2/22/2016		98.83	(0.01)	707.17	1	Groundwater Conservation District	Transducer		
P	2/23/2016		98.95	0.12	707.05	1	Groundwater Conservation District	Transducer		
P	2/24/2016		98.87	(0.08)	707.13	1	Groundwater Conservation District	Transducer		
P	2/25/2016		98.77	(0.10)	707.23	1	Groundwater Conservation District	Transducer		
P	2/26/2016		98.73	(0.04)	707.27	1	Groundwater Conservation District	Transducer		
P	2/27/2016		98.77	0.04	707.23	1	Groundwater Conservation District	Transducer		
P	2/28/2016		98.8	0.03	707.2	1	Groundwater Conservation District	Transducer		

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P	2/29/2016		98.83	0.03	707.17	1	Groundwater Conservation District	Transducer		
P	3/1/2016		98.79	(0.04)	707.21	1	Groundwater Conservation District	Transducer		
P	3/2/2016		98.72	(0.07)	707.28	1	Groundwater Conservation District	Transducer		
P	3/3/2016		98.79	0.07	707.21	1	Groundwater Conservation District	Transducer		
P	3/4/2016		98.75	(0.04)	707.25	1	Groundwater Conservation District	Transducer		
P	3/5/2016		98.84	0.09	707.16	1	Groundwater Conservation District	Transducer		
P	3/6/2016		98.76	(0.08)	707.24	1	Groundwater Conservation District	Transducer		
P	3/7/2016		99.06	0.30	706.94	1	Groundwater Conservation District	Transducer		
P	3/8/2016		98.93	(0.13)	707.07	1	Groundwater Conservation District	Transducer		
P	3/9/2016		98.87	(0.06)	707.13	1	Groundwater Conservation District	Transducer		
P	3/10/2016		98.84	(0.03)	707.16	1	Groundwater Conservation District	Transducer		
P	3/11/2016		98.75	(0.09)	707.25	1	Groundwater Conservation District	Transducer		
P	3/12/2016		98.81	0.06	707.19	1	Groundwater Conservation District	Transducer		
P	3/13/2016		98.78	(0.03)	707.22	1	Groundwater Conservation District	Transducer		
P	3/14/2016		98.81	0.03	707.19	1	Groundwater Conservation District	Transducer		
P	3/15/2016		98.83	0.02	707.17	1	Groundwater Conservation District	Transducer		
P	3/16/2016		98.75	(0.08)	707.25	1	Groundwater Conservation District	Transducer		
P	3/17/2016		98.79	0.04	707.21	1	Groundwater Conservation District	Transducer		
P	3/18/2016		98.87	0.08	707.13	1	Groundwater Conservation District	Transducer		
P	3/19/2016		98.75	(0.12)	707.25	1	Groundwater Conservation District	Transducer		
P	3/20/2016		98.77	0.02	707.23	1	Groundwater Conservation District	Transducer		
P	3/21/2016		98.72	(0.05)	707.28	1	Groundwater Conservation District	Transducer		
P	3/22/2016		98.87	0.15	707.13	1	Groundwater Conservation District	Transducer		
P	3/23/2016		98.9	0.03	707.1	1	Groundwater Conservation District	Transducer		
P	3/24/2016		98.74	(0.16)	707.26	1	Groundwater Conservation District	Transducer		
P	3/25/2016		98.75	0.01	707.25	1	Groundwater Conservation District	Transducer		
P	3/26/2016		98.82	0.07	707.18	1	Groundwater Conservation District	Transducer		

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P	3/27/2016		98.72	(0.10)	707.28	1	Groundwater Conservation District	Transducer		
P	3/28/2016		98.7	(0.02)	707.3	1	Groundwater Conservation District	Transducer		
P	3/29/2016		98.86	0.16	707.14	1	Groundwater Conservation District	Transducer		
P	3/30/2016		98.77	(0.09)	707.23	1	Groundwater Conservation District	Transducer		
P	3/31/2016		98.83	0.06	707.17	1	Groundwater Conservation District	Transducer		
P	4/1/2016		98.73	(0.10)	707.27	1	Groundwater Conservation District	Transducer		
P	4/2/2016		98.65	(0.08)	707.35	1	Groundwater Conservation District	Transducer		
P	4/3/2016		98.74	0.09	707.26	1	Groundwater Conservation District	Transducer		
P	4/4/2016		98.75	0.01	707.25	1	Groundwater Conservation District	Transducer		
P	4/5/2016		98.67	(0.08)	707.33	1	Groundwater Conservation District	Transducer		
P	4/6/2016		98.75	0.08	707.25	1	Groundwater Conservation District	Transducer		
P	4/7/2016		98.71	(0.04)	707.29	1	Groundwater Conservation District	Transducer		
P	4/8/2016		98.68	(0.03)	707.32	1	Groundwater Conservation District	Transducer		
P	4/9/2016		98.69	0.01	707.31	1	Groundwater Conservation District	Transducer		
P	4/10/2016		98.68	(0.01)	707.32	1	Groundwater Conservation District	Transducer		
P	4/11/2016		98.86	0.18	707.14	1	Groundwater Conservation District	Transducer		
P	4/12/2016		98.84	(0.02)	707.16	1	Groundwater Conservation District	Transducer		
P	4/13/2016		98.8	(0.04)	707.2	1	Groundwater Conservation District	Transducer		
P	4/14/2016		98.75	(0.05)	707.25	1	Groundwater Conservation District	Transducer		
P	4/15/2016		98.78	0.03	707.22	1	Groundwater Conservation District	Transducer		
P	4/16/2016		98.72	(0.06)	707.28	1	Groundwater Conservation District	Transducer		
P	4/17/2016		98.75	0.03	707.25	1	Groundwater Conservation District	Transducer		
P	4/18/2016		98.66	(0.09)	707.34	1	Groundwater Conservation District	Transducer		
P	4/19/2016		98.66	0.00	707.34	1	Groundwater Conservation District	Transducer		
P	4/20/2016		98.74	0.08	707.26	1	Groundwater Conservation District	Transducer		
P	4/21/2016		98.65	(0.09)	707.35	1	Groundwater Conservation District	Transducer		
P	4/22/2016		98.59	(0.06)	707.41	1	Groundwater Conservation District	Transducer		

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P	4/23/2016		98.75	0.16	707.25	1	Groundwater Conservation District	Transducer		
P	4/24/2016		98.64	(0.11)	707.36	1	Groundwater Conservation District	Transducer		
P	4/25/2016		98.68	0.04	707.32	1	Groundwater Conservation District	Transducer		
P	4/26/2016		98.63	(0.05)	707.37	1	Groundwater Conservation District	Transducer		
P	4/27/2016		98.66	0.03	707.34	1	Groundwater Conservation District	Transducer		
P	4/28/2016		98.7	0.04	707.3	1	Groundwater Conservation District	Transducer		
P	4/29/2016		98.68	(0.02)	707.32	1	Groundwater Conservation District	Transducer		
P	4/30/2016		98.69	0.01	707.31	1	Groundwater Conservation District	Transducer		
P	5/1/2016		98.65	(0.04)	707.35	1	Groundwater Conservation District	Transducer		
P	5/2/2016		98.64	(0.01)	707.36	1	Groundwater Conservation District	Transducer		
P	5/3/2016		98.6	(0.04)	707.4	1	Groundwater Conservation District	Transducer		
P	5/4/2016		98.59	(0.01)	707.41	1	Groundwater Conservation District	Transducer		
P	5/5/2016		98.65	0.06	707.35	1	Groundwater Conservation District	Transducer		
P	5/6/2016		98.64	(0.01)	707.36	1	Groundwater Conservation District	Transducer		
P	5/7/2016		98.65	0.01	707.35	1	Groundwater Conservation District	Transducer		
P	5/8/2016		98.62	(0.03)	707.38	1	Groundwater Conservation District	Transducer		
P	5/9/2016		98.69	0.07	707.31	1	Groundwater Conservation District	Transducer		
P	5/10/2016		98.62	(0.07)	707.38	1	Groundwater Conservation District	Transducer		
P	5/11/2016		98.57	(0.05)	707.43	1	Groundwater Conservation District	Transducer		
P	5/12/2016		98.6	0.03	707.4	1	Groundwater Conservation District	Transducer		
P	5/13/2016		98.63	0.03	707.37	1	Groundwater Conservation District	Transducer		
P	5/14/2016		98.67	0.04	707.33	1	Groundwater Conservation District	Transducer		
P	5/15/2016		98.6	(0.07)	707.4	1	Groundwater Conservation District	Transducer		
P	5/16/2016		98.61	0.01	707.39	1	Groundwater Conservation District	Transducer		
P	5/17/2016		98.61	0.00	707.39	1	Groundwater Conservation District	Transducer		
P	5/18/2016		98.55	(0.06)	707.45	1	Groundwater Conservation District	Transducer		
P	5/19/2016		98.58	0.03	707.42	1	Groundwater Conservation District	Transducer		

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P	5/20/2016		98.51	(0.07)	707.49	1	Groundwater Conservation District	Transducer		
P	5/21/2016		98.4	(0.11)	707.6	1	Groundwater Conservation District	Transducer		
P	5/22/2016		98.53	0.13	707.47	1	Groundwater Conservation District	Transducer		
P	5/23/2016		98.43	(0.10)	707.57	1	Groundwater Conservation District	Transducer		
P	5/24/2016		98.59	0.16	707.41	1	Groundwater Conservation District	Transducer		
P	5/25/2016		98.55	(0.04)	707.45	1	Groundwater Conservation District	Transducer		
P	5/26/2016		98.68	0.13	707.32	1	Groundwater Conservation District	Transducer		
P	5/27/2016		98.72	0.04	707.28	1	Groundwater Conservation District	Transducer		
P	5/28/2016		98.78	0.06	707.22	1	Groundwater Conservation District	Transducer		
P	5/29/2016		98.92	0.14	707.08	1	Groundwater Conservation District	Transducer		
P	5/30/2016		98.81	(0.11)	707.19	1	Groundwater Conservation District	Transducer		
P	5/31/2016		98.85	0.04	707.15	1	Groundwater Conservation District	Transducer		
P	6/1/2016		98.62	(0.23)	707.38	1	Groundwater Conservation District	Transducer		
P	6/2/2016		98.61	(0.01)	707.39	1	Groundwater Conservation District	Transducer		
P	6/3/2016		98.5	(0.11)	707.5	1	Groundwater Conservation District	Transducer		
P	6/4/2016		98.5	0.00	707.5	1	Groundwater Conservation District	Transducer		
P	6/5/2016		98.41	(0.09)	707.59	1	Groundwater Conservation District	Transducer		
P	6/6/2016		98.38	(0.03)	707.62	1	Groundwater Conservation District	Transducer		
P	6/7/2016		98.33	(0.05)	707.67	1	Groundwater Conservation District	Transducer		
P	6/8/2016		98.41	0.08	707.59	1	Groundwater Conservation District	Transducer		
P	6/9/2016		98.41	0.00	707.59	1	Groundwater Conservation District	Transducer		
P	6/10/2016		98.39	(0.02)	707.61	1	Groundwater Conservation District	Transducer		
P	6/11/2016		98.34	(0.05)	707.66	1	Groundwater Conservation District	Transducer		
P	6/12/2016		98.39	0.05	707.61	1	Groundwater Conservation District	Transducer		
P	6/13/2016		98.43	0.04	707.57	1	Groundwater Conservation District	Transducer		
P	6/14/2016		98.55	0.12	707.45	1	Groundwater Conservation District	Transducer		
P	6/15/2016		98.56	0.01	707.44	1	Groundwater Conservation District	Transducer		



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P	6/16/2016		98.45	(0.11)	707.55	1	Groundwater Conservation District	Transducer		
P	6/17/2016		98.48	0.03	707.52	1	Groundwater Conservation District	Transducer		
P	6/18/2016		98.55	0.07	707.45	1	Groundwater Conservation District	Transducer		
P	6/19/2016		98.52	(0.03)	707.48	1	Groundwater Conservation District	Transducer		
P	6/20/2016		98.54	0.02	707.46	1	Groundwater Conservation District	Transducer		
P	6/21/2016		98.62	0.08	707.38	1	Groundwater Conservation District	Transducer		
P	6/22/2016		98.65	0.03	707.35	1	Groundwater Conservation District	Transducer		
P	6/23/2016		98.51	(0.14)	707.49	1	Groundwater Conservation District	Transducer		
P	6/24/2016		98.7	0.19	707.3	1	Groundwater Conservation District	Transducer		
P	6/25/2016		98.7	0.00	707.3	1	Groundwater Conservation District	Transducer		
P	6/26/2016		98.64	(0.06)	707.36	1	Groundwater Conservation District	Transducer		
P	6/27/2016		98.65	0.01	707.35	1	Groundwater Conservation District	Transducer		
P	6/28/2016		98.63	(0.02)	707.37	1	Groundwater Conservation District	Transducer		
P	6/29/2016		98.74	0.11	707.26	1	Groundwater Conservation District	Transducer		
P	6/30/2016		98.72	(0.02)	707.28	1	Groundwater Conservation District	Transducer		
P	7/1/2016		98.6	(0.12)	707.4	1	Groundwater Conservation District	Transducer		
P	7/2/2016		98.67	0.07	707.33	1	Groundwater Conservation District	Transducer		
P	7/3/2016		98.59	(0.08)	707.41	1	Groundwater Conservation District	Transducer		
P	7/4/2016		98.64	0.05	707.36	1	Groundwater Conservation District	Transducer		
P	7/5/2016		98.67	0.03	707.33	1	Groundwater Conservation District	Transducer		
P	7/6/2016		98.68	0.01	707.32	1	Groundwater Conservation District	Transducer		
P	7/7/2016		98.67	(0.01)	707.33	1	Groundwater Conservation District	Transducer		
P	7/8/2016		98.72	0.05	707.28	1	Groundwater Conservation District	Transducer		
P	7/9/2016		98.7	(0.02)	707.3	1	Groundwater Conservation District	Transducer		
P	7/10/2016		98.87	0.17	707.13	1	Groundwater Conservation District	Transducer		
P	7/11/2016		98.8	(0.07)	707.2	1	Groundwater Conservation District	Transducer		
P	7/12/2016		98.86	0.06	707.14	1	Groundwater Conservation District	Transducer		

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P	7/13/2016		98.8	(0.06)	707.2	1	Groundwater Conservation District	Transducer		
P	7/14/2016		98.85	0.05	707.15	1	Groundwater Conservation District	Transducer		
P	7/15/2016		98.79	(0.06)	707.21	1	Groundwater Conservation District	Transducer		
P	7/16/2016		98.76	(0.03)	707.24	1	Groundwater Conservation District	Transducer		
P	7/17/2016		98.85	0.09	707.15	1	Groundwater Conservation District	Transducer		
P	7/18/2016		98.83	(0.02)	707.17	1	Groundwater Conservation District	Transducer		
P	7/19/2016		98.85	0.02	707.15	1	Groundwater Conservation District	Transducer		
P	7/20/2016		98.8	(0.05)	707.2	1	Groundwater Conservation District	Transducer		
P	7/21/2016		98.91	0.11	707.09	1	Groundwater Conservation District	Transducer		
P	7/22/2016		98.94	0.03	707.06	1	Groundwater Conservation District	Transducer		
P	7/23/2016		99.01	0.07	706.99	1	Groundwater Conservation District	Transducer		
P	7/24/2016		98.98	(0.03)	707.02	1	Groundwater Conservation District	Transducer		
P	7/25/2016		99.12	0.14	706.88	1	Groundwater Conservation District	Transducer		
P	7/26/2016		99.23	0.11	706.77	1	Groundwater Conservation District	Transducer		
P	7/27/2016		99.07	(0.16)	706.93	1	Groundwater Conservation District	Transducer		
P	7/28/2016		99.38	0.31	706.62	1	Groundwater Conservation District	Transducer		
P	7/29/2016		99.05	(0.33)	706.95	1	Groundwater Conservation District	Transducer		
P	7/30/2016		99.11	0.06	706.89	1	Groundwater Conservation District	Transducer		
P	7/31/2016		99.03	(0.08)	706.97	1	Groundwater Conservation District	Transducer		
P	8/1/2016		99.11	0.08	706.89	1	Groundwater Conservation District	Transducer		
P	8/2/2016		99.07	(0.04)	706.93	1	Groundwater Conservation District	Transducer		
P	8/3/2016		99.28	0.21	706.72	1	Groundwater Conservation District	Transducer		
P	8/4/2016		99.22	(0.06)	706.78	1	Groundwater Conservation District	Transducer		
P	8/5/2016		99.24	0.02	706.76	1	Groundwater Conservation District	Transducer		
P	8/6/2016		99.13	(0.11)	706.87	1	Groundwater Conservation District	Transducer		
P	8/7/2016		99.07	(0.06)	706.93	1	Groundwater Conservation District	Transducer		
P	8/8/2016		99.28	0.21	706.72	1	Groundwater Conservation District	Transducer		

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P	8/9/2016		99.13	(0.15)	706.87	1	Groundwater Conservation District	Transducer		
P	8/10/2016		99.27	0.14	706.73	1	Groundwater Conservation District	Transducer		
P	8/11/2016		99.31	0.04	706.69	1	Groundwater Conservation District	Transducer		
P	8/12/2016		99.26	(0.05)	706.74	1	Groundwater Conservation District	Transducer		
P	8/13/2016		99.25	(0.01)	706.75	1	Groundwater Conservation District	Transducer		
P	8/14/2016		99.31	0.06	706.69	1	Groundwater Conservation District	Transducer		
P	8/15/2016		99.26	(0.05)	706.74	1	Groundwater Conservation District	Transducer		
P	8/16/2016		99.24	(0.02)	706.76	1	Groundwater Conservation District	Transducer		
P	8/17/2016		99.21	(0.03)	706.79	1	Groundwater Conservation District	Transducer		
P	8/18/2016		99.21	0.00	706.79	1	Groundwater Conservation District	Transducer		
P	8/19/2016		99.26	0.05	706.74	1	Groundwater Conservation District	Transducer		
P	8/20/2016		99.28	0.02	706.72	1	Groundwater Conservation District	Transducer		
P	8/21/2016		99.19	(0.09)	706.81	1	Groundwater Conservation District	Transducer		
P	8/22/2016		99.25	0.06	706.75	1	Groundwater Conservation District	Transducer		
P	8/23/2016		99.13	(0.12)	706.87	1	Groundwater Conservation District	Transducer		
P	8/24/2016		99.05	(0.08)	706.95	1	Groundwater Conservation District	Transducer		
P	8/25/2016		99.04	(0.01)	706.96	1	Groundwater Conservation District	Transducer		
P	8/26/2016		99.03	(0.01)	706.97	1	Groundwater Conservation District	Transducer		
P	8/27/2016		98.96	(0.07)	707.04	1	Groundwater Conservation District	Transducer		
P	8/28/2016		99.03	0.07	706.97	1	Groundwater Conservation District	Transducer		
P	8/29/2016		98.94	(0.09)	707.06	1	Groundwater Conservation District	Transducer		
P	8/30/2016		99.05	0.11	706.95	1	Groundwater Conservation District	Transducer		
P	8/31/2016		99.01	(0.04)	706.99	1	Groundwater Conservation District	Transducer		
P	9/1/2016		98.96	(0.05)	707.04	1	Groundwater Conservation District	Transducer		
P	9/2/2016		98.99	0.03	707.01	1	Groundwater Conservation District	Transducer		
P	9/3/2016		98.95	(0.04)	707.05	1	Groundwater Conservation District	Transducer		
P	9/4/2016		99.01	0.06	706.99	1	Groundwater Conservation District	Transducer		

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P	9/5/2016		98.93	(0.08)	707.07	1	Groundwater Conservation District	Transducer		
P	9/6/2016		98.97	0.04	707.03	1	Groundwater Conservation District	Transducer		
P	9/7/2016		98.96	(0.01)	707.04	1	Groundwater Conservation District	Transducer		
P	9/8/2016		98.9	(0.06)	707.1	1	Groundwater Conservation District	Transducer		
P	9/9/2016		98.92	0.02	707.08	1	Groundwater Conservation District	Transducer		
P	9/10/2016		99.05	0.13	706.95	1	Groundwater Conservation District	Transducer		
P	9/11/2016		99.01	(0.04)	706.99	1	Groundwater Conservation District	Transducer		
P	9/12/2016		99.19	0.18	706.81	1	Groundwater Conservation District	Transducer		
P	9/13/2016		99.14	(0.05)	706.86	1	Groundwater Conservation District	Transducer		
P	9/14/2016		99.04	(0.10)	706.96	1	Groundwater Conservation District	Transducer		
P	9/15/2016		99.02	(0.02)	706.98	1	Groundwater Conservation District	Transducer		
P	9/16/2016		99.14	0.12	706.86	1	Groundwater Conservation District	Transducer		
P	9/17/2016		99.09	(0.05)	706.91	1	Groundwater Conservation District	Transducer		
P	9/18/2016		98.98	(0.11)	707.02	1	Groundwater Conservation District	Transducer		
P	9/19/2016		98.94	(0.04)	707.06	1	Groundwater Conservation District	Transducer		
P	9/20/2016		99.03	0.09	706.97	1	Groundwater Conservation District	Transducer		
P	9/21/2016		99.16	0.13	706.84	1	Groundwater Conservation District	Transducer		
P	9/22/2016		98.97	(0.19)	707.03	1	Groundwater Conservation District	Transducer		
P	9/23/2016		98.94	(0.03)	707.06	1	Groundwater Conservation District	Transducer		
P	9/24/2016		99.02	0.08	706.98	1	Groundwater Conservation District	Transducer		
P	9/25/2016		99	(0.02)	707	1	Groundwater Conservation District	Transducer		
P	9/26/2016		98.94	(0.06)	707.06	1	Groundwater Conservation District	Transducer		
P	9/27/2016		98.9	(0.04)	707.1	1	Groundwater Conservation District	Transducer		
P	9/28/2016		98.87	(0.03)	707.13	1	Groundwater Conservation District	Transducer		
P	9/29/2016		98.97	0.10	707.03	1	Groundwater Conservation District	Transducer		
P	9/30/2016		98.87	(0.10)	707.13	1	Groundwater Conservation District	Transducer		
P	10/1/2016		98.86	(0.01)	707.14	1	Groundwater Conservation District	Transducer		

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P	10/2/2016		99.05	0.19	706.95	1	Groundwater Conservation District	Transducer		
P	10/3/2016		98.93	(0.12)	707.07	1	Groundwater Conservation District	Transducer		
P	10/4/2016		99.08	0.15	706.92	1	Groundwater Conservation District	Transducer		
P	10/5/2016		98.9	(0.18)	707.1	1	Groundwater Conservation District	Transducer		
P	10/6/2016		98.95	0.05	707.05	1	Groundwater Conservation District	Transducer		
P	10/7/2016		99.03	0.08	706.97	1	Groundwater Conservation District	Transducer		
P	10/8/2016		99.07	0.04	706.93	1	Groundwater Conservation District	Transducer		
P	10/9/2016		98.91	(0.16)	707.09	1	Groundwater Conservation District	Transducer		
P	10/10/2016		98.94	0.03	707.06	1	Groundwater Conservation District	Transducer		
P	10/11/2016		98.99	0.05	707.01	1	Groundwater Conservation District	Transducer		
P	10/12/2016		99.06	0.07	706.94	1	Groundwater Conservation District	Transducer		
P	10/13/2016		99	(0.06)	707	1	Groundwater Conservation District	Transducer		
P	10/14/2016		98.91	(0.09)	707.09	1	Groundwater Conservation District	Transducer		
P	10/15/2016		99.17	0.26	706.83	1	Groundwater Conservation District	Transducer		
P	10/16/2016		99.06	(0.11)	706.94	1	Groundwater Conservation District	Transducer		
P	10/17/2016		99.1	0.04	706.9	1	Groundwater Conservation District	Transducer		
P	10/18/2016		99	(0.10)	707	1	Groundwater Conservation District	Transducer		
P	10/19/2016		98.96	(0.04)	707.04	1	Groundwater Conservation District	Transducer		
P	10/20/2016		99	0.04	707	1	Groundwater Conservation District	Transducer		
P	10/21/2016		98.91	(0.09)	707.09	1	Groundwater Conservation District	Transducer		
P	10/22/2016		99.03	0.12	706.97	1	Groundwater Conservation District	Transducer		
P	10/23/2016		99.04	0.01	706.96	1	Groundwater Conservation District	Transducer		
P	10/24/2016		98.99	(0.05)	707.01	1	Groundwater Conservation District	Transducer		
P	10/25/2016		98.92	(0.07)	707.08	1	Groundwater Conservation District	Transducer		
P	10/26/2016		99	0.08	707	1	Groundwater Conservation District	Transducer		
P	10/27/2016		98.98	(0.02)	707.02	1	Groundwater Conservation District	Transducer		
P	10/28/2016		99.01	0.03	706.99	1	Groundwater Conservation District	Transducer		

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P	10/29/2016		99.03	0.02	706.97	1	Groundwater Conservation District	Transducer		
P	10/30/2016		98.97	(0.06)	707.03	1	Groundwater Conservation District	Transducer		
P	10/31/2016		99.05	0.08	706.95	1	Groundwater Conservation District	Transducer		
P	11/1/2016		99.05	0.00	706.95	1	Groundwater Conservation District	Transducer		
P	11/2/2016		99.01	(0.04)	706.99	1	Groundwater Conservation District	Transducer		
P	11/3/2016		99.1	0.09	706.9	1	Groundwater Conservation District	Transducer		
P	11/4/2016		99.03	(0.07)	706.97	1	Groundwater Conservation District	Transducer		
P	11/5/2016		99.07	0.04	706.93	1	Groundwater Conservation District	Transducer		
P	11/6/2016		99.04	(0.03)	706.96	1	Groundwater Conservation District	Transducer		
P	11/7/2016		99	(0.04)	707	1	Groundwater Conservation District	Transducer		
P	11/8/2016		99.07	0.07	706.93	1	Groundwater Conservation District	Transducer		
P	11/9/2016		99.02	(0.05)	706.98	1	Groundwater Conservation District	Transducer		
P	11/10/2016		98.95	(0.07)	707.05	1	Groundwater Conservation District	Transducer		
P	11/11/2016		98.93	(0.02)	707.07	1	Groundwater Conservation District	Transducer		
P	11/12/2016		99.01	0.08	706.99	1	Groundwater Conservation District	Transducer		
P	11/13/2016		98.89	(0.12)	707.11	1	Groundwater Conservation District	Transducer		
P	11/14/2016		98.94	0.05	707.06	1	Groundwater Conservation District	Transducer		
P	11/15/2016		98.85	(0.09)	707.15	1	Groundwater Conservation District	Transducer		
P	11/16/2016		98.94	0.09	707.06	1	Groundwater Conservation District	Transducer		
P	11/17/2016		98.88	(0.06)	707.12	1	Groundwater Conservation District	Transducer		
P	11/18/2016		98.81	(0.07)	707.19	1	Groundwater Conservation District	Transducer		
P	11/19/2016		98.67	(0.14)	707.33	1	Groundwater Conservation District	Transducer		
P	11/20/2016		98.88	0.21	707.12	1	Groundwater Conservation District	Transducer		
P	11/21/2016		98.82	(0.06)	707.18	1	Groundwater Conservation District	Transducer		
P	11/22/2016		98.85	0.03	707.15	1	Groundwater Conservation District	Transducer		
P	11/23/2016		98.94	0.09	707.06	1	Groundwater Conservation District	Transducer		
P	11/24/2016		98.75	(0.19)	707.25	1	Groundwater Conservation District	Transducer		



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P	11/25/2016		99.03	0.28	706.97	1	Groundwater Conservation District	Transducer		
P	11/26/2016		98.8	(0.23)	707.2	1	Groundwater Conservation District	Transducer		
P	11/27/2016		98.93	0.13	707.07	1	Groundwater Conservation District	Transducer		
P	11/28/2016		98.98	0.05	707.02	1	Groundwater Conservation District	Transducer		
P	11/29/2016		98.96	(0.02)	707.04	1	Groundwater Conservation District	Transducer		
P	11/30/2016		98.87	(0.09)	707.13	1	Groundwater Conservation District	Transducer		
P	12/1/2016		98.93	0.06	707.07	1	Groundwater Conservation District	Transducer		
P	12/2/2016		98.91	(0.02)	707.09	1	Groundwater Conservation District	Transducer		
P	12/3/2016		99.01	0.10	706.99	1	Groundwater Conservation District	Transducer		
P	12/4/2016		99.05	0.04	706.95	1	Groundwater Conservation District	Transducer		
P	12/5/2016		98.98	(0.07)	707.02	1	Groundwater Conservation District	Transducer		
P	12/6/2016		98.97	(0.01)	707.03	1	Groundwater Conservation District	Transducer		
P	12/7/2016		99	0.03	707	1	Groundwater Conservation District	Transducer		
P	12/8/2016		98.99	(0.01)	707.01	1	Groundwater Conservation District	Transducer		
P	12/9/2016		98.82	(0.17)	707.18	1	Groundwater Conservation District	Transducer		
P	12/10/2016		98.83	0.01	707.17	1	Groundwater Conservation District	Transducer		
P	12/11/2016		98.98	0.15	707.02	1	Groundwater Conservation District	Transducer		
P	12/12/2016		99.07	0.09	706.93	1	Groundwater Conservation District	Transducer		
P	12/13/2016		98.95	(0.12)	707.05	1	Groundwater Conservation District	Transducer		
P	12/14/2016		98.85	(0.10)	707.15	1	Groundwater Conservation District	Transducer		
P	12/15/2016		98.82	(0.03)	707.18	1	Groundwater Conservation District	Transducer		
P	12/16/2016		98.89	0.07	707.11	1	Groundwater Conservation District	Transducer		
P	12/17/2016		99.05	0.16	706.95	1	Groundwater Conservation District	Transducer		
P	12/18/2016		98.87	(0.18)	707.13	1	Groundwater Conservation District	Transducer		
P	12/19/2016		98.78	(0.09)	707.22	1	Groundwater Conservation District	Transducer		
P	12/20/2016		98.87	0.09	707.13	1	Groundwater Conservation District	Transducer		
P	12/21/2016		98.98	0.11	707.02	1	Groundwater Conservation District	Transducer		

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P	12/22/2016		98.97	(0.01)	707.03	1	Groundwater Conservation District	Transducer		
P	12/23/2016		99.1	0.13	706.9	1	Groundwater Conservation District	Transducer		
P	12/24/2016		99.28	0.18	706.72	1	Groundwater Conservation District	Transducer		
P	12/25/2016		99.31	0.03	706.69	1	Groundwater Conservation District	Transducer		
P	12/26/2016		99.06	(0.25)	706.94	1	Groundwater Conservation District	Transducer		
P	12/27/2016		99.13	0.07	706.87	1	Groundwater Conservation District	Transducer		
P	12/28/2016		99.21	0.08	706.79	1	Groundwater Conservation District	Transducer		
P	12/29/2016		99.57	0.36	706.43	1	Groundwater Conservation District	Transducer		
P	12/30/2016		99.29	(0.28)	706.71	1	Groundwater Conservation District	Transducer		
P	12/31/2016		99.31	0.02	706.69	1	Groundwater Conservation District	Transducer		
P	1/1/2017		99.15	(0.16)	706.85	1	Groundwater Conservation District	Transducer		
P	1/2/2017		99.11	(0.04)	706.89	1	Groundwater Conservation District	Transducer		
P	1/3/2017		99.08	(0.03)	706.92	1	Groundwater Conservation District	Transducer		
P	1/4/2017		98.95	(0.13)	707.05	1	Groundwater Conservation District	Transducer		
P	1/5/2017		99.02	0.07	706.98	1	Groundwater Conservation District	Transducer		
P	1/6/2017		98.94	(0.08)	707.06	1	Groundwater Conservation District	Transducer		
P	1/7/2017		98.83	(0.11)	707.17	1	Groundwater Conservation District	Transducer		
P	1/8/2017		98.9	0.07	707.1	1	Groundwater Conservation District	Transducer		
P	1/9/2017		99.28	0.38	706.72	1	Groundwater Conservation District	Transducer		
P	1/10/2017		99.17	(0.11)	706.83	1	Groundwater Conservation District	Transducer		
P	1/11/2017		99.05	(0.12)	706.95	1	Groundwater Conservation District	Transducer		
P	1/12/2017		99.04	(0.01)	706.96	1	Groundwater Conservation District	Transducer		
P	1/13/2017		99.04	0.00	706.96	1	Groundwater Conservation District	Transducer		
P	1/14/2017		98.97	(0.07)	707.03	1	Groundwater Conservation District	Transducer		
P	1/15/2017		98.93	(0.04)	707.07	1	Groundwater Conservation District	Transducer		
P	1/16/2017		99.08	0.15	706.92	1	Groundwater Conservation District	Transducer		
P	1/17/2017		98.94	(0.14)	707.06	1	Groundwater Conservation District	Transducer		

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P	1/18/2017		98.84	(0.10)	707.16	1	Groundwater Conservation District	Transducer		
P	1/19/2017		98.88	0.04	707.12	1	Groundwater Conservation District	Transducer		
P	1/20/2017		98.93	0.05	707.07	1	Groundwater Conservation District	Transducer		
P	1/21/2017		98.87	(0.06)	707.13	1	Groundwater Conservation District	Transducer		
P	1/22/2017		98.85	(0.02)	707.15	1	Groundwater Conservation District	Transducer		
P	1/23/2017		98.76	(0.09)	707.24	1	Groundwater Conservation District	Transducer		
P	1/24/2017		98.91	0.15	707.09	1	Groundwater Conservation District	Transducer		
P	1/25/2017		98.77	(0.14)	707.23	1	Groundwater Conservation District	Transducer		
P	1/26/2017		98.64	(0.13)	707.36	1	Groundwater Conservation District	Transducer		
P	1/27/2017		98.76	0.12	707.24	1	Groundwater Conservation District	Transducer		
P	1/28/2017		98.65	(0.11)	707.35	1	Groundwater Conservation District	Transducer		
P	1/29/2017		98.73	0.08	707.27	1	Groundwater Conservation District	Transducer		
P	1/30/2017		98.78	0.05	707.22	1	Groundwater Conservation District	Transducer		
P	1/31/2017		98.8	0.02	707.2	1	Groundwater Conservation District	Transducer		
P	2/1/2017		98.74	(0.06)	707.26	1	Groundwater Conservation District	Transducer		
P	2/2/2017		98.69	(0.05)	707.31	1	Groundwater Conservation District	Transducer		
P	2/3/2017		98.65	(0.04)	707.35	1	Groundwater Conservation District	Transducer		
P	2/4/2017		98.65	0.00	707.35	1	Groundwater Conservation District	Transducer		
P	2/5/2017		98.74	0.09	707.26	1	Groundwater Conservation District	Transducer		
P	2/6/2017		98.76	0.02	707.24	1	Groundwater Conservation District	Transducer		
P	2/7/2017		98.78	0.02	707.22	1	Groundwater Conservation District	Transducer		
P	2/8/2017		98.75	(0.03)	707.25	1	Groundwater Conservation District	Transducer		
P	2/9/2017		98.58	(0.17)	707.42	1	Groundwater Conservation District	Transducer		
P	2/10/2017		98.65	0.07	707.35	1	Groundwater Conservation District	Transducer		
P	2/11/2017		98.86	0.21	707.14	1	Groundwater Conservation District	Transducer		
P	2/12/2017		98.67	(0.19)	707.33	1	Groundwater Conservation District	Transducer		
P	2/13/2017		98.63	(0.04)	707.37	1	Groundwater Conservation District	Transducer		

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P	2/14/2017		98.66	0.03	707.34	1	Groundwater Conservation District	Transducer		
P	2/15/2017		98.84	0.18	707.16	1	Groundwater Conservation District	Transducer		
P	2/16/2017		98.66	(0.18)	707.34	1	Groundwater Conservation District	Transducer		
P	2/17/2017		98.68	0.02	707.32	1	Groundwater Conservation District	Transducer		
P	2/18/2017		98.71	0.03	707.29	1	Groundwater Conservation District	Transducer		
P	2/19/2017		98.9	0.19	707.1	1	Groundwater Conservation District	Transducer		
P	2/20/2017		98.62	(0.28)	707.38	1	Groundwater Conservation District	Transducer		
P	2/21/2017		98.61	(0.01)	707.39	1	Groundwater Conservation District	Transducer		
P	2/22/2017		98.64	0.03	707.36	1	Groundwater Conservation District	Transducer		
P	2/23/2017		98.72	0.08	707.28	1	Groundwater Conservation District	Transducer		
P	2/24/2017		98.73	0.01	707.27	1	Groundwater Conservation District	Transducer		
P	2/25/2017		98.56	(0.17)	707.44	1	Groundwater Conservation District	Transducer		
P	2/26/2017		98.68	0.12	707.32	1	Groundwater Conservation District	Transducer		
P	2/27/2017		98.64	(0.04)	707.36	1	Groundwater Conservation District	Transducer		
P	2/28/2017		98.61	(0.03)	707.39	1	Groundwater Conservation District	Transducer		
P	3/1/2017		98.61	0.00	707.39	1	Groundwater Conservation District	Transducer		
P	3/2/2017		98.51	(0.10)	707.49	1	Groundwater Conservation District	Transducer		
P	3/3/2017		98.46	(0.05)	707.54	1	Groundwater Conservation District	Transducer		
P	3/4/2017		98.52	0.06	707.48	1	Groundwater Conservation District	Transducer		
P	3/5/2017		98.48	(0.04)	707.52	1	Groundwater Conservation District	Transducer		
P	3/6/2017		98.69	0.21	707.31	1	Groundwater Conservation District	Transducer		
P	3/7/2017		98.61	(0.08)	707.39	1	Groundwater Conservation District	Transducer		
P	3/8/2017		98.5	(0.11)	707.5	1	Groundwater Conservation District	Transducer		
P	3/9/2017		98.52	0.02	707.48	1	Groundwater Conservation District	Transducer		
P	3/10/2017		98.57	0.05	707.43	1	Groundwater Conservation District	Transducer		
P	3/11/2017		98.53	(0.04)	707.47	1	Groundwater Conservation District	Transducer		
P	3/12/2017		98.65	0.12	707.35	1	Groundwater Conservation District	Transducer		

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P	3/13/2017		98.5	(0.15)	707.5	1	Groundwater Conservation District	Transducer		
P	3/14/2017		98.5	0.00	707.5	1	Groundwater Conservation District	Transducer		
P	3/15/2017		98.51	0.01	707.49	1	Groundwater Conservation District	Transducer		
P	3/16/2017		98.44	(0.07)	707.56	1	Groundwater Conservation District	Transducer		
P	3/17/2017		98.42	(0.02)	707.58	1	Groundwater Conservation District	Transducer		
P	3/18/2017		98.53	0.11	707.47	1	Groundwater Conservation District	Transducer		
P	3/19/2017		98.42	(0.11)	707.58	1	Groundwater Conservation District	Transducer		
P	3/20/2017		98.47	0.05	707.53	1	Groundwater Conservation District	Transducer		
P	3/21/2017		98.49	0.02	707.51	1	Groundwater Conservation District	Transducer		
P	3/22/2017		98.52	0.03	707.48	1	Groundwater Conservation District	Transducer		
P	3/23/2017		98.48	(0.04)	707.52	1	Groundwater Conservation District	Transducer		
P	3/24/2017		98.65	0.17	707.35	1	Groundwater Conservation District	Transducer		
P	3/25/2017		98.48	(0.17)	707.52	1	Groundwater Conservation District	Transducer		
P	3/26/2017		98.56	0.08	707.44	1	Groundwater Conservation District	Transducer		
P	3/27/2017		98.73	0.17	707.27	1	Groundwater Conservation District	Transducer		
P	3/28/2017		98.53	(0.20)	707.47	1	Groundwater Conservation District	Transducer		
P	3/29/2017		98.54	0.01	707.46	1	Groundwater Conservation District	Transducer		
P	3/30/2017		98.41	(0.13)	707.59	1	Groundwater Conservation District	Transducer		
P	3/31/2017		98.42	0.01	707.58	1	Groundwater Conservation District	Transducer		
P	4/1/2017		98.4	(0.02)	707.6	1	Groundwater Conservation District	Transducer		
P	4/2/2017		98.45	0.05	707.55	1	Groundwater Conservation District	Transducer		
P	4/3/2017		98.4	(0.05)	707.6	1	Groundwater Conservation District	Transducer		
P	4/4/2017		98.42	0.02	707.58	1	Groundwater Conservation District	Transducer		
P	4/5/2017		98.36	(0.06)	707.64	1	Groundwater Conservation District	Transducer		
P	4/6/2017		98.35	(0.01)	707.65	1	Groundwater Conservation District	Transducer		
P	4/7/2017		98.46	0.11	707.54	1	Groundwater Conservation District	Transducer		
P	4/8/2017		98.41	(0.05)	707.59	1	Groundwater Conservation District	Transducer		

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P	4/9/2017		98.46	0.05	707.54	1	Groundwater Conservation District	Transducer		
P	4/10/2017		98.53	0.07	707.47	1	Groundwater Conservation District	Transducer		
P	4/11/2017		98.41	(0.12)	707.59	1	Groundwater Conservation District	Transducer		
P	4/12/2017		98.3	(0.11)	707.7	1	Groundwater Conservation District	Transducer		
P	4/13/2017		98.33	0.03	707.67	1	Groundwater Conservation District	Transducer		
P	4/14/2017		98.36	0.03	707.64	1	Groundwater Conservation District	Transducer		
P	4/15/2017		98.39	0.03	707.61	1	Groundwater Conservation District	Transducer		
P	4/16/2017		98.35	(0.04)	707.65	1	Groundwater Conservation District	Transducer		
P	4/17/2017		98.39	0.04	707.61	1	Groundwater Conservation District	Transducer		
P	4/18/2017		98.43	0.04	707.57	1	Groundwater Conservation District	Transducer		
P	4/19/2017		98.33	(0.10)	707.67	1	Groundwater Conservation District	Transducer		
P	4/20/2017		98.48	0.15	707.52	1	Groundwater Conservation District	Transducer		
P	4/21/2017		98.5	0.02	707.5	1	Groundwater Conservation District	Transducer		
P	4/22/2017		98.38	(0.12)	707.62	1	Groundwater Conservation District	Transducer		
P	4/23/2017		98.34	(0.04)	707.66	1	Groundwater Conservation District	Transducer		
P	4/24/2017		98.45	0.11	707.55	1	Groundwater Conservation District	Transducer		
P	4/25/2017		98.41	(0.04)	707.59	1	Groundwater Conservation District	Transducer		
P	4/26/2017		98.54	0.13	707.46	1	Groundwater Conservation District	Transducer		
P	4/27/2017		98.35	(0.19)	707.65	1	Groundwater Conservation District	Transducer		
P	4/28/2017		98.4	0.05	707.6	1	Groundwater Conservation District	Transducer		
P	4/29/2017		98.54	0.14	707.46	1	Groundwater Conservation District	Transducer		
P	4/30/2017		98.5	(0.04)	707.5	1	Groundwater Conservation District	Transducer		
P	5/1/2017		98.5	0.00	707.5	1	Groundwater Conservation District	Transducer		
P	5/2/2017		98.42	(0.08)	707.58	1	Groundwater Conservation District	Transducer		
P	5/3/2017		98.63	0.21	707.37	1	Groundwater Conservation District	Transducer		
P	5/4/2017		98.53	(0.10)	707.47	1	Groundwater Conservation District	Transducer		
P	5/5/2017		98.43	(0.10)	707.57	1	Groundwater Conservation District	Transducer		



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P	5/6/2017		98.68	0.25	707.32	1	Groundwater Conservation District	Transducer		
P	5/7/2017		98.62	(0.06)	707.38	1	Groundwater Conservation District	Transducer		
P	5/8/2017		98.57	(0.05)	707.43	1	Groundwater Conservation District	Transducer		
P	5/9/2017		98.54	(0.03)	707.46	1	Groundwater Conservation District	Transducer		
P	5/10/2017		98.57	0.03	707.43	1	Groundwater Conservation District	Transducer		
P	5/11/2017		98.55	(0.02)	707.45	1	Groundwater Conservation District	Transducer		
P	5/12/2017		98.67	0.12	707.33	1	Groundwater Conservation District	Transducer		
P	5/13/2017		98.58	(0.09)	707.42	1	Groundwater Conservation District	Transducer		
P	5/14/2017		98.54	(0.04)	707.46	1	Groundwater Conservation District	Transducer		
P	5/15/2017		98.56	0.02	707.44	1	Groundwater Conservation District	Transducer		
P	5/16/2017		98.7	0.14	707.3	1	Groundwater Conservation District	Transducer		
P	5/17/2017		98.6	(0.10)	707.4	1	Groundwater Conservation District	Transducer		
P	5/18/2017		98.57	(0.03)	707.43	1	Groundwater Conservation District	Transducer		
P	5/19/2017		98.51	(0.06)	707.49	1	Groundwater Conservation District	Transducer		
P	5/20/2017		98.58	0.07	707.42	1	Groundwater Conservation District	Transducer		
P	5/21/2017		98.53	(0.05)	707.47	1	Groundwater Conservation District	Transducer		
P	5/22/2017		98.51	(0.02)	707.49	1	Groundwater Conservation District	Transducer		
P	5/23/2017		98.54	0.03	707.46	1	Groundwater Conservation District	Transducer		
P	5/24/2017		98.46	(0.08)	707.54	1	Groundwater Conservation District	Transducer		
P	5/25/2017		98.54	0.08	707.46	1	Groundwater Conservation District	Transducer		
P	5/26/2017		98.54	0.00	707.46	1	Groundwater Conservation District	Transducer		
P	5/27/2017		98.49	(0.05)	707.51	1	Groundwater Conservation District	Transducer		
P	5/28/2017		98.45	(0.04)	707.55	1	Groundwater Conservation District	Transducer		
P	5/29/2017		98.47	0.02	707.53	1	Groundwater Conservation District	Transducer		
P	5/30/2017		98.52	0.05	707.48	1	Groundwater Conservation District	Transducer		
P	5/31/2017		98.48	(0.04)	707.52	1	Groundwater Conservation District	Transducer		
P	6/1/2017		98.47	(0.01)	707.53	1	Groundwater Conservation District	Transducer		

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P	6/2/2017		98.47	0.00	707.53	1	Groundwater Conservation District	Transducer		
P	6/3/2017		98.49	0.02	707.51	1	Groundwater Conservation District	Transducer		
P	6/4/2017		98.48	(0.01)	707.52	1	Groundwater Conservation District	Transducer		
P	6/5/2017		98.67	0.19	707.33	1	Groundwater Conservation District	Transducer		
P	6/6/2017		98.52	(0.15)	707.48	1	Groundwater Conservation District	Transducer		
P	6/7/2017		98.53	0.01	707.47	1	Groundwater Conservation District	Transducer		
P	6/8/2017		98.5	(0.03)	707.5	1	Groundwater Conservation District	Transducer		
P	6/9/2017		98.53	0.03	707.47	1	Groundwater Conservation District	Transducer		
P	6/10/2017		98.47	(0.06)	707.53	1	Groundwater Conservation District	Transducer		
P	6/11/2017		98.62	0.15	707.38	1	Groundwater Conservation District	Transducer		
P	6/12/2017		98.52	(0.10)	707.48	1	Groundwater Conservation District	Transducer		
P	6/13/2017		98.66	0.14	707.34	1	Groundwater Conservation District	Transducer		
P	6/14/2017		98.53	(0.13)	707.47	1	Groundwater Conservation District	Transducer		
P	6/15/2017		98.49	(0.04)	707.51	1	Groundwater Conservation District	Transducer		
P	6/16/2017		98.53	0.04	707.47	1	Groundwater Conservation District	Transducer		
P	6/17/2017		98.7	0.17	707.3	1	Groundwater Conservation District	Transducer		
P	6/18/2017		98.58	(0.12)	707.42	1	Groundwater Conservation District	Transducer		
P	6/19/2017		98.53	(0.05)	707.47	1	Groundwater Conservation District	Transducer		
P	6/20/2017		98.57	0.04	707.43	1	Groundwater Conservation District	Transducer		
P	6/21/2017		98.64	0.07	707.36	1	Groundwater Conservation District	Transducer		
P	6/22/2017		98.57	(0.07)	707.43	1	Groundwater Conservation District	Transducer		
P	6/23/2017		98.51	(0.06)	707.49	1	Groundwater Conservation District	Transducer		
P	6/24/2017		98.46	(0.05)	707.54	1	Groundwater Conservation District	Transducer		
P	6/25/2017		98.52	0.06	707.48	1	Groundwater Conservation District	Transducer		
P	6/26/2017		99.01	0.49	706.99	1	Groundwater Conservation District	Transducer		
P	6/27/2017		98.57	(0.44)	707.43	1	Groundwater Conservation District	Transducer		
P	6/28/2017		98.56	(0.01)	707.44	1	Groundwater Conservation District	Transducer		

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P	6/29/2017		98.6	0.04	707.4	1	Groundwater Conservation District	Transducer		
P	6/30/2017		98.56	(0.04)	707.44	1	Groundwater Conservation District	Transducer		
P	7/1/2017		98.53	(0.03)	707.47	1	Groundwater Conservation District	Transducer		
P	7/2/2017		98.71	0.18	707.29	1	Groundwater Conservation District	Transducer		
P	7/3/2017		98.68	(0.03)	707.32	1	Groundwater Conservation District	Transducer		
P	7/4/2017		98.63	(0.05)	707.37	1	Groundwater Conservation District	Transducer		
P	7/5/2017		98.6	(0.03)	707.4	1	Groundwater Conservation District	Transducer		
P	7/6/2017		98.78	0.18	707.22	1	Groundwater Conservation District	Transducer		
P	7/7/2017		98.68	(0.10)	707.32	1	Groundwater Conservation District	Transducer		
P	7/8/2017		98.74	0.06	707.26	1	Groundwater Conservation District	Transducer		
P	7/9/2017		98.92	0.18	707.08	1	Groundwater Conservation District	Transducer		
P	7/10/2017		98.68	(0.24)	707.32	1	Groundwater Conservation District	Transducer		
P	7/11/2017		98.82	0.14	707.18	1	Groundwater Conservation District	Transducer		
P	7/12/2017		98.96	0.14	707.04	1	Groundwater Conservation District	Transducer		
P	7/13/2017		98.72	(0.24)	707.28	1	Groundwater Conservation District	Transducer		
P	7/14/2017		98.79	0.07	707.21	1	Groundwater Conservation District	Transducer		
P	7/15/2017		98.85	0.06	707.15	1	Groundwater Conservation District	Transducer		
P	7/16/2017		98.83	(0.02)	707.17	1	Groundwater Conservation District	Transducer		
P	7/17/2017		98.76	(0.07)	707.24	1	Groundwater Conservation District	Transducer		
P	7/18/2017		98.83	0.07	707.17	1	Groundwater Conservation District	Transducer		
P	7/19/2017		98.88	0.05	707.12	1	Groundwater Conservation District	Transducer		
P	7/20/2017		99.05	0.17	706.95	1	Groundwater Conservation District	Transducer		
P	7/21/2017		98.99	(0.06)	707.01	1	Groundwater Conservation District	Transducer		
P	7/22/2017		98.95	(0.04)	707.05	1	Groundwater Conservation District	Transducer		
P	7/23/2017		98.98	0.03	707.02	1	Groundwater Conservation District	Transducer		
P	7/24/2017		98.9	(0.08)	707.1	1	Groundwater Conservation District	Transducer		
P	7/25/2017		98.88	(0.02)	707.12	1	Groundwater Conservation District	Transducer		

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P	7/26/2017		98.95	0.07	707.05	1	Groundwater Conservation District	Transducer		
P	7/27/2017		98.78	(0.17)	707.22	1	Groundwater Conservation District	Transducer		
P	7/28/2017		98.99	0.21	707.01	1	Groundwater Conservation District	Transducer		
P	7/29/2017		99	0.01	707	1	Groundwater Conservation District	Transducer		
P	7/30/2017		98.92	(0.08)	707.08	1	Groundwater Conservation District	Transducer		
P	7/31/2017		98.87	(0.05)	707.13	1	Groundwater Conservation District	Transducer		
P	8/1/2017		99.02	0.15	706.98	1	Groundwater Conservation District	Transducer		
P	8/2/2017		99.02	0.00	706.98	1	Groundwater Conservation District	Transducer		
P	8/3/2017		98.88	(0.14)	707.12	1	Groundwater Conservation District	Transducer		
P	8/4/2017		98.96	0.08	707.04	1	Groundwater Conservation District	Transducer		
P	8/5/2017		98.99	0.03	707.01	1	Groundwater Conservation District	Transducer		
P	8/6/2017		99.08	0.09	706.92	1	Groundwater Conservation District	Transducer		
P	8/7/2017		99.02	(0.06)	706.98	1	Groundwater Conservation District	Transducer		
P	8/8/2017		99.05	0.03	706.95	1	Groundwater Conservation District	Transducer		
P	8/9/2017		98.88	(0.17)	707.12	1	Groundwater Conservation District	Transducer		
P	8/10/2017		99.07	0.19	706.93	1	Groundwater Conservation District	Transducer		
P	8/11/2017		98.86	(0.21)	707.14	1	Groundwater Conservation District	Transducer		
P	8/12/2017		98.91	0.05	707.09	1	Groundwater Conservation District	Transducer		
P	8/13/2017		98.95	0.04	707.05	1	Groundwater Conservation District	Transducer		
P	8/14/2017		99.01	0.06	706.99	1	Groundwater Conservation District	Transducer		
P	8/15/2017		99	(0.01)	707	1	Groundwater Conservation District	Transducer		
P	8/16/2017		99.08	0.08	706.92	1	Groundwater Conservation District	Transducer		
P	8/17/2017		98.95	(0.13)	707.05	1	Groundwater Conservation District	Transducer		
P	8/18/2017		99.03	0.08	706.97	1	Groundwater Conservation District	Transducer		
P	8/19/2017		98.97	(0.06)	707.03	1	Groundwater Conservation District	Transducer		
P	8/20/2017		98.91	(0.06)	707.09	1	Groundwater Conservation District	Transducer		
P	8/21/2017		98.88	(0.03)	707.12	1	Groundwater Conservation District	Transducer		

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P	8/22/2017		98.87	(0.01)	707.13	1	Groundwater Conservation District	Transducer		
P	8/23/2017		98.98	0.11	707.02	1	Groundwater Conservation District	Transducer		
P	8/24/2017		98.95	(0.03)	707.05	1	Groundwater Conservation District	Transducer		
P	8/25/2017		98.91	(0.04)	707.09	1	Groundwater Conservation District	Transducer		
P	8/26/2017		99	0.09	707	1	Groundwater Conservation District	Transducer		
P	8/27/2017		98.98	(0.02)	707.02	1	Groundwater Conservation District	Transducer		
P	8/28/2017		98.94	(0.04)	707.06	1	Groundwater Conservation District	Transducer		
P	8/29/2017		98.92	(0.02)	707.08	1	Groundwater Conservation District	Transducer		
P	8/30/2017		98.89	(0.03)	707.11	1	Groundwater Conservation District	Transducer		
P	8/31/2017		98.98	0.09	707.02	1	Groundwater Conservation District	Transducer		
P	9/1/2017		98.84	(0.14)	707.16	1	Groundwater Conservation District	Transducer		
P	9/2/2017		99.17	0.33	706.83	1	Groundwater Conservation District	Transducer		
P	9/3/2017		99.53	0.36	706.47	1	Groundwater Conservation District	Transducer		
P	9/4/2017		99.14	(0.39)	706.86	1	Groundwater Conservation District	Transducer		
P	9/5/2017		99.01	(0.13)	706.99	1	Groundwater Conservation District	Transducer		
P	9/6/2017		98.98	(0.03)	707.02	1	Groundwater Conservation District	Transducer		
P	9/7/2017		99.21	0.23	706.79	1	Groundwater Conservation District	Transducer		
P	9/8/2017		99.16	(0.05)	706.84	1	Groundwater Conservation District	Transducer		
P	9/9/2017		99.17	0.01	706.83	1	Groundwater Conservation District	Transducer		
P	9/10/2017		98.98	(0.19)	707.02	1	Groundwater Conservation District	Transducer		
P	9/11/2017		99.21	0.23	706.79	1	Groundwater Conservation District	Transducer		
P	9/12/2017		99	(0.21)	707	1	Groundwater Conservation District	Transducer		
P	9/13/2017		98.98	(0.02)	707.02	1	Groundwater Conservation District	Transducer		
P	9/14/2017		99.03	0.05	706.97	1	Groundwater Conservation District	Transducer		
P	9/15/2017		99.08	0.05	706.92	1	Groundwater Conservation District	Transducer		
P	9/16/2017		98.92	(0.16)	707.08	1	Groundwater Conservation District	Transducer		
P	9/17/2017		99.01	0.09	706.99	1	Groundwater Conservation District	Transducer		

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P	9/18/2017		98.99	(0.02)	707.01	1	Groundwater Conservation District	Transducer		
P	9/19/2017		99.13	0.14	706.87	1	Groundwater Conservation District	Transducer		
P	9/20/2017		98.97	(0.16)	707.03	1	Groundwater Conservation District	Transducer		
P	9/21/2017		99.01	0.04	706.99	1	Groundwater Conservation District	Transducer		
P	9/22/2017		99.01	0.00	706.99	1	Groundwater Conservation District	Transducer		
P	9/23/2017		98.89	(0.12)	707.11	1	Groundwater Conservation District	Transducer		
P	9/24/2017		99.15	0.26	706.85	1	Groundwater Conservation District	Transducer		
P	9/25/2017		98.96	(0.19)	707.04	1	Groundwater Conservation District	Transducer		
P	9/26/2017		98.96	0.00	707.04	1	Groundwater Conservation District	Transducer		
P	9/27/2017		98.9	(0.06)	707.1	1	Groundwater Conservation District	Transducer		
P	9/28/2017		99.07	0.17	706.93	1	Groundwater Conservation District	Transducer		
P	9/29/2017		98.91	(0.16)	707.09	1	Groundwater Conservation District	Transducer		
P	9/30/2017		98.81	(0.10)	707.19	1	Groundwater Conservation District	Transducer		
P	10/1/2017		99.05	0.24	706.95	1	Groundwater Conservation District	Transducer		
P	10/2/2017		99.04	(0.01)	706.96	1	Groundwater Conservation District	Transducer		
P	10/3/2017		98.9	(0.14)	707.1	1	Groundwater Conservation District	Transducer		
P	10/4/2017		98.82	(0.08)	707.18	1	Groundwater Conservation District	Transducer		
P	10/5/2017		98.96	0.14	707.04	1	Groundwater Conservation District	Transducer		
P	10/6/2017		98.96	0.00	707.04	1	Groundwater Conservation District	Transducer		
P	10/7/2017		98.9	(0.06)	707.1	1	Groundwater Conservation District	Transducer		
P	10/8/2017		99.01	0.11	706.99	1	Groundwater Conservation District	Transducer		
P	10/9/2017		98.94	(0.07)	707.06	1	Groundwater Conservation District	Transducer		
P	10/10/2017		98.83	(0.11)	707.17	1	Groundwater Conservation District	Transducer		
P	10/11/2017		98.89	0.06	707.11	1	Groundwater Conservation District	Transducer		
P	10/12/2017		98.99	0.10	707.01	1	Groundwater Conservation District	Transducer		
P	10/13/2017		98.89	(0.10)	707.11	1	Groundwater Conservation District	Transducer		
P	10/14/2017		98.87	(0.02)	707.13	1	Groundwater Conservation District	Transducer		



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P	10/15/2017		98.95	0.08	707.05	1	Groundwater Conservation District	Transducer		
P	10/16/2017		98.83	(0.12)	707.17	1	Groundwater Conservation District	Transducer		
P	10/17/2017		98.92	0.09	707.08	1	Groundwater Conservation District	Transducer		
P	10/18/2017		98.87	(0.05)	707.13	1	Groundwater Conservation District	Transducer		
P	10/19/2017		98.97	0.10	707.03	1	Groundwater Conservation District	Transducer		
P	10/20/2017		98.88	(0.09)	707.12	1	Groundwater Conservation District	Transducer		
P	10/21/2017		98.93	0.05	707.07	1	Groundwater Conservation District	Transducer		
P	10/22/2017		98.88	(0.05)	707.12	1	Groundwater Conservation District	Transducer		
P	10/23/2017		98.88	0.00	707.12	1	Groundwater Conservation District	Transducer		
P	10/24/2017		98.93	0.05	707.07	1	Groundwater Conservation District	Transducer		
P	10/25/2017		98.87	(0.06)	707.13	1	Groundwater Conservation District	Transducer		
P	10/26/2017		98.98	0.11	707.02	1	Groundwater Conservation District	Transducer		
P	10/27/2017		99.03	0.05	706.97	1	Groundwater Conservation District	Transducer		
P	10/28/2017		98.88	(0.15)	707.12	1	Groundwater Conservation District	Transducer		
P	10/29/2017		98.88	0.00	707.12	1	Groundwater Conservation District	Transducer		
P	10/30/2017		98.96	0.08	707.04	1	Groundwater Conservation District	Transducer		
P	10/31/2017		98.94	(0.02)	707.06	1	Groundwater Conservation District	Transducer		
P	11/1/2017		98.97	0.03	707.03	1	Groundwater Conservation District	Transducer		
P	11/2/2017		98.96	(0.01)	707.04	1	Groundwater Conservation District	Transducer		
P	11/3/2017		98.96	0.00	707.04	1	Groundwater Conservation District	Transducer		
P	11/4/2017		98.98	0.02	707.02	1	Groundwater Conservation District	Transducer		
P	11/5/2017		98.97	(0.01)	707.03	1	Groundwater Conservation District	Transducer		
P	11/6/2017		98.92	(0.05)	707.08	1	Groundwater Conservation District	Transducer		
P	11/7/2017		98.85	(0.07)	707.15	1	Groundwater Conservation District	Transducer		
P	11/8/2017		98.85	0.00	707.15	1	Groundwater Conservation District	Transducer		
P	11/9/2017		98.87	0.02	707.13	1	Groundwater Conservation District	Transducer		
P	11/10/2017		98.81	(0.06)	707.19	1	Groundwater Conservation District	Transducer		

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P	11/11/2017		98.89	0.08	707.11	1	Groundwater Conservation District	Transducer		
P	11/12/2017		98.81	(0.08)	707.19	1	Groundwater Conservation District	Transducer		
P	11/13/2017		98.8	(0.01)	707.2	1	Groundwater Conservation District	Transducer		
P	11/14/2017		98.97	0.17	707.03	1	Groundwater Conservation District	Transducer		
P	11/15/2017		98.83	(0.14)	707.17	1	Groundwater Conservation District	Transducer		
P	11/16/2017		98.81	(0.02)	707.19	1	Groundwater Conservation District	Transducer		
P	11/17/2017		98.96	0.15	707.04	1	Groundwater Conservation District	Transducer		
P	11/18/2017		98.83	(0.13)	707.17	1	Groundwater Conservation District	Transducer		
P	11/19/2017		98.73	(0.10)	707.27	1	Groundwater Conservation District	Transducer		
P	11/20/2017		98.88	0.15	707.12	1	Groundwater Conservation District	Transducer		
P	11/21/2017		98.82	(0.06)	707.18	1	Groundwater Conservation District	Transducer		
P	11/22/2017		98.65	(0.17)	707.35	1	Groundwater Conservation District	Transducer		
P	11/23/2017		98.81	0.16	707.19	1	Groundwater Conservation District	Transducer		
P	11/24/2017		98.79	(0.02)	707.21	1	Groundwater Conservation District	Transducer		
P	11/25/2017		98.94	0.15	707.06	1	Groundwater Conservation District	Transducer		
P	11/26/2017		98.65	(0.29)	707.35	1	Groundwater Conservation District	Transducer		
P	11/27/2017		98.81	0.16	707.19	1	Groundwater Conservation District	Transducer		
P	11/28/2017		98.76	(0.05)	707.24	1	Groundwater Conservation District	Transducer		
P	11/29/2017		98.68	(0.08)	707.32	1	Groundwater Conservation District	Transducer		
P	11/30/2017		98.87	0.19	707.13	1	Groundwater Conservation District	Transducer		
P	12/1/2017		98.71	(0.16)	707.29	1	Groundwater Conservation District	Transducer		
P	12/2/2017		98.74	0.03	707.26	1	Groundwater Conservation District	Transducer		
P	12/3/2017		98.82	0.08	707.18	1	Groundwater Conservation District	Transducer		
P	12/4/2017		98.74	(0.08)	707.26	1	Groundwater Conservation District	Transducer		
P	12/5/2017		98.7	(0.04)	707.3	1	Groundwater Conservation District	Transducer		
P	12/6/2017		98.8	0.10	707.2	1	Groundwater Conservation District	Transducer		
P	12/7/2017		98.65	(0.15)	707.35	1	Groundwater Conservation District	Transducer		

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P	12/8/2017		98.61	(0.04)	707.39	1	Groundwater Conservation District	Transducer		
P	12/9/2017		98.85	0.24	707.15	1	Groundwater Conservation District	Transducer		
P	12/10/2017		98.63	(0.22)	707.37	1	Groundwater Conservation District	Transducer		
P	12/11/2017		98.7	0.07	707.3	1	Groundwater Conservation District	Transducer		
P	12/12/2017		98.74	0.04	707.26	1	Groundwater Conservation District	Transducer		
P	12/13/2017		98.69	(0.05)	707.31	1	Groundwater Conservation District	Transducer		
P	12/14/2017		98.71	0.02	707.29	1	Groundwater Conservation District	Transducer		
P	12/15/2017		98.63	(0.08)	707.37	1	Groundwater Conservation District	Transducer		
P	12/16/2017		98.78	0.15	707.22	1	Groundwater Conservation District	Transducer		
P	12/17/2017		98.75	(0.03)	707.25	1	Groundwater Conservation District	Transducer		
P	12/18/2017		98.66	(0.09)	707.34	1	Groundwater Conservation District	Transducer		
P	12/19/2017		98.79	0.13	707.21	1	Groundwater Conservation District	Transducer		
P	12/20/2017		98.69	(0.10)	707.31	1	Groundwater Conservation District	Transducer		
P	12/21/2017		98.71	0.02	707.29	1	Groundwater Conservation District	Transducer		
P	12/22/2017		98.74	0.03	707.26	1	Groundwater Conservation District	Transducer		
P	12/23/2017		98.58	(0.16)	707.42	1	Groundwater Conservation District	Transducer		
P	12/24/2017		98.58	0.00	707.42	1	Groundwater Conservation District	Transducer		
P	12/25/2017		98.52	(0.06)	707.48	1	Groundwater Conservation District	Transducer		
P	12/26/2017		98.73	0.21	707.27	1	Groundwater Conservation District	Transducer		
P	12/27/2017		98.52	(0.21)	707.48	1	Groundwater Conservation District	Transducer		
P	12/28/2017		98.63	0.11	707.37	1	Groundwater Conservation District	Transducer		
P	12/29/2017		98.69	0.06	707.31	1	Groundwater Conservation District	Transducer		
P	12/30/2017		98.59	(0.10)	707.41	1	Groundwater Conservation District	Transducer		
P	12/31/2017		98.72	0.13	707.28	1	Groundwater Conservation District	Transducer		
P	1/1/2018		98.5	(0.22)	707.5	1	Groundwater Conservation District	Transducer		
P	1/2/2018		98.7	0.20	707.3	1	Groundwater Conservation District	Transducer		
P	1/3/2018		98.77	0.07	707.23	1	Groundwater Conservation District	Transducer		

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P	1/4/2018		99.13	0.36	706.87	1	Groundwater Conservation District	Transducer		
P	1/5/2018		98.7	(0.43)	707.3	1	Groundwater Conservation District	Transducer		
P	1/6/2018		98.85	0.15	707.15	1	Groundwater Conservation District	Transducer		
P	1/7/2018		98.68	(0.17)	707.32	1	Groundwater Conservation District	Transducer		
P	1/8/2018		98.77	0.09	707.23	1	Groundwater Conservation District	Transducer		
P	1/9/2018		98.83	0.06	707.17	1	Groundwater Conservation District	Transducer		
P	1/10/2018		98.78	(0.05)	707.22	1	Groundwater Conservation District	Transducer		
P	1/11/2018		98.83	0.05	707.17	1	Groundwater Conservation District	Transducer		
P	1/12/2018		98.93	0.10	707.07	1	Groundwater Conservation District	Transducer		
P	1/13/2018		98.93	0.00	707.07	1	Groundwater Conservation District	Transducer		
P	1/14/2018		98.75	(0.18)	707.25	1	Groundwater Conservation District	Transducer		
P	1/15/2018		98.77	0.02	707.23	1	Groundwater Conservation District	Transducer		
P	1/16/2018		98.73	(0.04)	707.27	1	Groundwater Conservation District	Transducer		
P	1/17/2018		98.89	0.16	707.11	1	Groundwater Conservation District	Transducer		
P	1/18/2018		98.8	(0.09)	707.2	1	Groundwater Conservation District	Transducer		
P	1/19/2018		99.15	0.35	706.85	1	Groundwater Conservation District	Transducer		
P	1/20/2018		98.81	(0.34)	707.19	1	Groundwater Conservation District	Transducer		
P	1/21/2018		98.82	0.01	707.18	1	Groundwater Conservation District	Transducer		
P	1/22/2018		98.87	0.05	707.13	1	Groundwater Conservation District	Transducer		
P	1/23/2018		98.66	(0.21)	707.34	1	Groundwater Conservation District	Transducer		
P	1/24/2018		98.58	(0.08)	707.42	1	Groundwater Conservation District	Transducer		
P	1/25/2018		98.59	0.01	707.41	1	Groundwater Conservation District	Transducer		
P	1/26/2018		98.68	0.09	707.32	1	Groundwater Conservation District	Transducer		
P	1/27/2018		98.69	0.01	707.31	1	Groundwater Conservation District	Transducer		
P	1/28/2018		98.75	0.06	707.25	1	Groundwater Conservation District	Transducer		
P	1/29/2018		98.6	(0.15)	707.4	1	Groundwater Conservation District	Transducer		
P	1/30/2018		98.57	(0.03)	707.43	1	Groundwater Conservation District	Transducer		

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P	1/31/2018		98.84	0.27	707.16	1	Groundwater Conservation District	Transducer		
P	2/1/2018		98.66	(0.18)	707.34	1	Groundwater Conservation District	Transducer		
P	2/2/2018		98.6	(0.06)	707.4	1	Groundwater Conservation District	Transducer		
P	2/3/2018		98.56	(0.04)	707.44	1	Groundwater Conservation District	Transducer		
P	2/4/2018		98.61	0.05	707.39	1	Groundwater Conservation District	Transducer		
P	2/5/2018		98.54	(0.07)	707.46	1	Groundwater Conservation District	Transducer		
P	2/6/2018		98.55	0.01	707.45	1	Groundwater Conservation District	Transducer		
P	2/7/2018		98.52	(0.03)	707.48	1	Groundwater Conservation District	Transducer		
P	2/8/2018		98.5	(0.02)	707.5	1	Groundwater Conservation District	Transducer		
P	2/9/2018		98.58	0.08	707.42	1	Groundwater Conservation District	Transducer		
P	2/10/2018		98.67	0.09	707.33	1	Groundwater Conservation District	Transducer		
P	2/11/2018		98.52	(0.15)	707.48	1	Groundwater Conservation District	Transducer		
P	2/12/2018		98.56	0.04	707.44	1	Groundwater Conservation District	Transducer		
P	2/13/2018		98.63	0.07	707.37	1	Groundwater Conservation District	Transducer		
P	2/14/2018		98.55	(0.08)	707.45	1	Groundwater Conservation District	Transducer		
P	2/15/2018		98.61	0.06	707.39	1	Groundwater Conservation District	Transducer		
P	2/16/2018		98.65	0.04	707.35	1	Groundwater Conservation District	Transducer		
P	2/17/2018		98.63	(0.02)	707.37	1	Groundwater Conservation District	Transducer		
P	2/18/2018		98.5	(0.13)	707.5	1	Groundwater Conservation District	Transducer		
P	2/19/2018		98.71	0.21	707.29	1	Groundwater Conservation District	Transducer		
P	2/20/2018		98.57	(0.14)	707.43	1	Groundwater Conservation District	Transducer		
P	2/21/2018		98.47	(0.10)	707.53	1	Groundwater Conservation District	Transducer		
P	2/22/2018		98.57	0.10	707.43	1	Groundwater Conservation District	Transducer		
P	2/23/2018		98.51	(0.06)	707.49	1	Groundwater Conservation District	Transducer		
P	2/24/2018		98.5	(0.01)	707.5	1	Groundwater Conservation District	Transducer		
P	2/25/2018		98.55	0.05	707.45	1	Groundwater Conservation District	Transducer		
P	2/26/2018		98.58	0.03	707.42	1	Groundwater Conservation District	Transducer		

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P	2/27/2018		98.51	(0.07)	707.49	1	Groundwater Conservation District	Transducer		
P	2/28/2018		98.52	0.01	707.48	1	Groundwater Conservation District	Transducer		
P	3/1/2018		98.55	0.03	707.45	1	Groundwater Conservation District	Transducer		
P	3/2/2018		98.47	(0.08)	707.53	1	Groundwater Conservation District	Transducer		
P	3/3/2018		98.42	(0.05)	707.58	1	Groundwater Conservation District	Transducer		
P	3/4/2018		98.61	0.19	707.39	1	Groundwater Conservation District	Transducer		
P	3/5/2018		98.5	(0.11)	707.5	1	Groundwater Conservation District	Transducer		
P	3/6/2018		98.42	(0.08)	707.58	1	Groundwater Conservation District	Transducer		
P	3/7/2018		98.38	(0.04)	707.62	1	Groundwater Conservation District	Transducer		
P	3/8/2018		98.52	0.14	707.48	1	Groundwater Conservation District	Transducer		
P	3/9/2018		98.48	(0.04)	707.52	1	Groundwater Conservation District	Transducer		
P	3/10/2018		98.73	0.25	707.27	1	Groundwater Conservation District	Transducer		
P	3/11/2018		98.64	(0.09)	707.36	1	Groundwater Conservation District	Transducer		
P	3/12/2018		98.63	(0.01)	707.37	1	Groundwater Conservation District	Transducer		
P	3/13/2018		98.62	(0.01)	707.38	1	Groundwater Conservation District	Transducer		
P	3/14/2018		98.6	(0.02)	707.4	1	Groundwater Conservation District	Transducer		
P	3/15/2018		98.63	0.03	707.37	1	Groundwater Conservation District	Transducer		
P	3/16/2018		98.77	0.14	707.23	1	Groundwater Conservation District	Transducer		
P	3/17/2018		98.58	(0.19)	707.42	1	Groundwater Conservation District	Transducer		
P	3/18/2018		98.6	0.02	707.4	1	Groundwater Conservation District	Transducer		
P	3/19/2018		98.67	0.07	707.33	1	Groundwater Conservation District	Transducer		
P	3/20/2018		98.7	0.03	707.3	1	Groundwater Conservation District	Transducer		
P	3/21/2018		98.62	(0.08)	707.38	1	Groundwater Conservation District	Transducer		
P	3/22/2018		98.49	(0.13)	707.51	1	Groundwater Conservation District	Transducer		
P	3/23/2018		98.69	0.20	707.31	1	Groundwater Conservation District	Transducer		
P	3/24/2018		98.58	(0.11)	707.42	1	Groundwater Conservation District	Transducer		
P	3/25/2018		98.68	0.10	707.32	1	Groundwater Conservation District	Transducer		



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P	3/26/2018		98.66	(0.02)	707.34	1	Groundwater Conservation District	Transducer		
P	3/27/2018		98.66	0.00	707.34	1	Groundwater Conservation District	Transducer		
P	3/28/2018		98.67	0.01	707.33	1	Groundwater Conservation District	Transducer		
P	3/29/2018		98.65	(0.02)	707.35	1	Groundwater Conservation District	Transducer		
P	3/30/2018		98.73	0.08	707.27	1	Groundwater Conservation District	Transducer		
P	3/31/2018		98.63	(0.10)	707.37	1	Groundwater Conservation District	Transducer		
P	4/1/2018		98.84	0.21	707.16	1	Groundwater Conservation District	Transducer		
P	4/2/2018		98.84	0.00	707.16	1	Groundwater Conservation District	Transducer		
P	4/3/2018		98.7	(0.14)	707.3	1	Groundwater Conservation District	Transducer		
P	4/4/2018		98.49	(0.21)	707.51	1	Groundwater Conservation District	Transducer		
P	4/5/2018		98.57	0.08	707.43	1	Groundwater Conservation District	Transducer		
P	4/6/2018		98.6	0.03	707.4	1	Groundwater Conservation District	Transducer		
P	4/7/2018		98.61	0.01	707.39	1	Groundwater Conservation District	Transducer		
P	4/8/2018		98.61	0.00	707.39	1	Groundwater Conservation District	Transducer		
P	4/9/2018		98.64	0.03	707.36	1	Groundwater Conservation District	Transducer		
P	4/10/2018		98.54	(0.10)	707.46	1	Groundwater Conservation District	Transducer		
P	4/11/2018		98.57	0.03	707.43	1	Groundwater Conservation District	Transducer		
P	4/12/2018		98.81	0.24	707.19	1	Groundwater Conservation District	Transducer		
P	4/13/2018		98.62	(0.19)	707.38	1	Groundwater Conservation District	Transducer		
P	4/14/2018		98.57	(0.05)	707.43	1	Groundwater Conservation District	Transducer		
P	4/15/2018		98.52	(0.05)	707.48	1	Groundwater Conservation District	Transducer		
P	4/16/2018		98.6	0.08	707.4	1	Groundwater Conservation District	Transducer		
P	4/17/2018		98.55	(0.05)	707.45	1	Groundwater Conservation District	Transducer		
P	4/18/2018		98.62	0.07	707.38	1	Groundwater Conservation District	Transducer		
P	4/19/2018		98.52	(0.10)	707.48	1	Groundwater Conservation District	Transducer		
P	4/20/2018		98.52	0.00	707.48	1	Groundwater Conservation District	Transducer		
P	4/21/2018		98.52	0.00	707.48	1	Groundwater Conservation District	Transducer		

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P	4/22/2018		98.5	(0.02)	707.5	1	Groundwater Conservation District	Transducer		
P	4/23/2018		98.62	0.12	707.38	1	Groundwater Conservation District	Transducer		
P	4/24/2018		98.55	(0.07)	707.45	1	Groundwater Conservation District	Transducer		
P	4/25/2018		98.47	(0.08)	707.53	1	Groundwater Conservation District	Transducer		
P	4/26/2018		98.6	0.13	707.4	1	Groundwater Conservation District	Transducer		
P	4/27/2018		98.56	(0.04)	707.44	1	Groundwater Conservation District	Transducer		
P	4/28/2018		98.49	(0.07)	707.51	1	Groundwater Conservation District	Transducer		
P	4/29/2018		98.51	0.02	707.49	1	Groundwater Conservation District	Transducer		
P	4/30/2018		98.62	0.11	707.38	1	Groundwater Conservation District	Transducer		
P	5/1/2018		98.64	0.02	707.36	1	Groundwater Conservation District	Transducer		
P	5/2/2018		98.57	(0.07)	707.43	1	Groundwater Conservation District	Transducer		
P	5/3/2018		98.53	(0.04)	707.47	1	Groundwater Conservation District	Transducer		
P	5/4/2018		98.54	0.01	707.46	1	Groundwater Conservation District	Transducer		
P	5/5/2018		98.45	(0.09)	707.55	1	Groundwater Conservation District	Transducer		
P	5/6/2018		98.45	0.00	707.55	1	Groundwater Conservation District	Transducer		
P	5/7/2018		98.56	0.11	707.44	1	Groundwater Conservation District	Transducer		
P	5/8/2018		98.46	(0.10)	707.54	1	Groundwater Conservation District	Transducer		
P	5/9/2018		98.49	0.03	707.51	1	Groundwater Conservation District	Transducer		
P	5/10/2018		98.46	(0.03)	707.54	1	Groundwater Conservation District	Transducer		
P	5/11/2018		98.53	0.07	707.47	1	Groundwater Conservation District	Transducer		
P	5/12/2018		98.51	(0.02)	707.49	1	Groundwater Conservation District	Transducer		
P	5/13/2018		98.46	(0.05)	707.54	1	Groundwater Conservation District	Transducer		
P	5/14/2018		98.54	0.08	707.46	1	Groundwater Conservation District	Transducer		
P	5/15/2018		98.55	0.01	707.45	1	Groundwater Conservation District	Transducer		
P	5/16/2018		98.53	(0.02)	707.47	1	Groundwater Conservation District	Transducer		
P	5/17/2018		98.48	(0.05)	707.52	1	Groundwater Conservation District	Transducer		
P	5/18/2018		98.5	0.02	707.5	1	Groundwater Conservation District	Transducer		

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P	5/19/2018		98.48	(0.02)	707.52	1	Groundwater Conservation District	Transducer		
P	5/20/2018		98.39	(0.09)	707.61	1	Groundwater Conservation District	Transducer		
P	5/21/2018		98.39	0.00	707.61	1	Groundwater Conservation District	Transducer		
P	5/22/2018		98.42	0.03	707.58	1	Groundwater Conservation District	Transducer		
P	5/23/2018		98.43	0.01	707.57	1	Groundwater Conservation District	Transducer		
P	5/24/2018		98.49	0.06	707.51	1	Groundwater Conservation District	Transducer		
P	5/25/2018		98.41	(0.08)	707.59	1	Groundwater Conservation District	Transducer		
P	5/26/2018		98.61	0.20	707.39	1	Groundwater Conservation District	Transducer		
P	5/27/2018		98.45	(0.16)	707.55	1	Groundwater Conservation District	Transducer		
P	5/28/2018		98.42	(0.03)	707.58	1	Groundwater Conservation District	Transducer		
P	5/29/2018		98.7	0.28	707.3	1	Groundwater Conservation District	Transducer		
P	5/30/2018		98.58	(0.12)	707.42	1	Groundwater Conservation District	Transducer		
P	5/31/2018		98.53	(0.05)	707.47	1	Groundwater Conservation District	Transducer		
P	6/1/2018		98.51	(0.02)	707.49	1	Groundwater Conservation District	Transducer		
P	6/2/2018		98.44	(0.07)	707.56	1	Groundwater Conservation District	Transducer		
P	6/3/2018		98.44	0.00	707.56	1	Groundwater Conservation District	Transducer		
P	6/4/2018		98.64	0.20	707.36	1	Groundwater Conservation District	Transducer		
P	6/5/2018		98.46	(0.18)	707.54	1	Groundwater Conservation District	Transducer		
P	6/6/2018		98.52	0.06	707.48	1	Groundwater Conservation District	Transducer		
P	6/7/2018		98.46	(0.06)	707.54	1	Groundwater Conservation District	Transducer		
P	6/8/2018		98.53	0.07	707.47	1	Groundwater Conservation District	Transducer		
P	6/9/2018		98.67	0.14	707.33	1	Groundwater Conservation District	Transducer		
P	6/10/2018		98.61	(0.06)	707.39	1	Groundwater Conservation District	Transducer		
P	6/11/2018		98.71	0.10	707.29	1	Groundwater Conservation District	Transducer		
P	6/12/2018		98.59	(0.12)	707.41	1	Groundwater Conservation District	Transducer		
P	6/13/2018		98.51	(0.08)	707.49	1	Groundwater Conservation District	Transducer		
P	6/14/2018		98.58	0.07	707.42	1	Groundwater Conservation District	Transducer		

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P	6/15/2018		98.51	(0.07)	707.49	1	Groundwater Conservation District	Transducer		
P	6/16/2018		98.66	0.15	707.34	1	Groundwater Conservation District	Transducer		
P	6/17/2018		98.56	(0.10)	707.44	1	Groundwater Conservation District	Transducer		
P	6/18/2018		98.61	0.05	707.39	1	Groundwater Conservation District	Transducer		
P	6/19/2018		98.64	0.03	707.36	1	Groundwater Conservation District	Transducer		
P	6/20/2018		98.7	0.06	707.3	1	Groundwater Conservation District	Transducer		
P	6/21/2018		98.64	(0.06)	707.36	1	Groundwater Conservation District	Transducer		
P	6/22/2018		98.56	(0.08)	707.44	1	Groundwater Conservation District	Transducer		
P	6/23/2018		98.59	0.03	707.41	1	Groundwater Conservation District	Transducer		
P	6/24/2018		98.59	0.00	707.41	1	Groundwater Conservation District	Transducer		
P	6/25/2018		98.85	0.26	707.15	1	Groundwater Conservation District	Transducer		
P	6/26/2018		98.61	(0.24)	707.39	1	Groundwater Conservation District	Transducer		
P	6/27/2018		98.61	0.00	707.39	1	Groundwater Conservation District	Transducer		
P	6/28/2018		98.56	(0.05)	707.44	1	Groundwater Conservation District	Transducer		
P	6/29/2018		98.61	0.05	707.39	1	Groundwater Conservation District	Transducer		
P	6/30/2018		98.58	(0.03)	707.42	1	Groundwater Conservation District	Transducer		
P	7/1/2018		98.62	0.04	707.38	1	Groundwater Conservation District	Transducer		
P	7/2/2018		98.58	(0.04)	707.42	1	Groundwater Conservation District	Transducer		
P	7/3/2018		98.71	0.13	707.29	1	Groundwater Conservation District	Transducer		
P	7/4/2018		98.72	0.01	707.28	1	Groundwater Conservation District	Transducer		
P	7/5/2018		98.82	0.10	707.18	1	Groundwater Conservation District	Transducer		
P	7/6/2018		98.65	(0.17)	707.35	1	Groundwater Conservation District	Transducer		
P	7/7/2018		98.61	(0.04)	707.39	1	Groundwater Conservation District	Transducer		
P	7/8/2018		98.61	0.00	707.39	1	Groundwater Conservation District	Transducer		
P	7/9/2018		98.61	0.00	707.39	1	Groundwater Conservation District	Transducer		
P	7/10/2018		98.63	0.02	707.37	1	Groundwater Conservation District	Transducer		
P	7/11/2018		98.68	0.05	707.32	1	Groundwater Conservation District	Transducer		

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P	7/12/2018		98.65	(0.03)	707.35	1	Groundwater Conservation District	Transducer		
P	7/13/2018		98.62	(0.03)	707.38	1	Groundwater Conservation District	Transducer		
P	7/14/2018		98.72	0.10	707.28	1	Groundwater Conservation District	Transducer		
P	7/15/2018		98.58	(0.14)	707.42	1	Groundwater Conservation District	Transducer		
P	7/16/2018		98.62	0.04	707.38	1	Groundwater Conservation District	Transducer		
P	7/17/2018		98.62	0.00	707.38	1	Groundwater Conservation District	Transducer		
P	7/18/2018		98.71	0.09	707.29	1	Groundwater Conservation District	Transducer		
P	7/19/2018		98.71	0.00	707.29	1	Groundwater Conservation District	Transducer		
P	7/20/2018		98.69	(0.02)	707.31	1	Groundwater Conservation District	Transducer		
P	7/21/2018		98.74	0.05	707.26	1	Groundwater Conservation District	Transducer		
P	7/22/2018		98.77	0.03	707.23	1	Groundwater Conservation District	Transducer		
P	7/23/2018		98.86	0.09	707.14	1	Groundwater Conservation District	Transducer		
P	7/24/2018		98.75	(0.11)	707.25	1	Groundwater Conservation District	Transducer		
P	7/25/2018		98.74	(0.01)	707.26	1	Groundwater Conservation District	Transducer		
P	7/26/2018		98.81	0.07	707.19	1	Groundwater Conservation District	Transducer		
P	7/27/2018		98.81	0.00	707.19	1	Groundwater Conservation District	Transducer		
P	7/28/2018		98.87	0.06	707.13	1	Groundwater Conservation District	Transducer		
P	7/29/2018		98.79	(0.08)	707.21	1	Groundwater Conservation District	Transducer		
P	7/30/2018		98.85	0.06	707.15	1	Groundwater Conservation District	Transducer		
P	7/31/2018		98.77	(0.08)	707.23	1	Groundwater Conservation District	Transducer		
P	8/1/2018		98.92	0.15	707.08	1	Groundwater Conservation District	Transducer		
P	8/2/2018		98.94	0.02	707.06	1	Groundwater Conservation District	Transducer		
P	8/3/2018		99	0.06	707	1	Groundwater Conservation District	Transducer		
P	8/4/2018		99.03	0.03	706.97	1	Groundwater Conservation District	Transducer		
P	8/5/2018		98.96	(0.07)	707.04	1	Groundwater Conservation District	Transducer		
P	8/6/2018		99.08	0.12	706.92	1	Groundwater Conservation District	Transducer		
P	8/7/2018		99.01	(0.07)	706.99	1	Groundwater Conservation District	Transducer		

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P	8/8/2018		99.07	0.06	706.93	1	Groundwater Conservation District	Transducer		
P	8/9/2018		99.08	0.01	706.92	1	Groundwater Conservation District	Transducer		
P	8/10/2018		99.01	(0.07)	706.99	1	Groundwater Conservation District	Transducer		
P	8/11/2018		98.93	(0.08)	707.07	1	Groundwater Conservation District	Transducer		
P	8/12/2018		98.99	0.06	707.01	1	Groundwater Conservation District	Transducer		
P	8/13/2018		99.03	0.04	706.97	1	Groundwater Conservation District	Transducer		
P	8/14/2018		99.05	0.02	706.95	1	Groundwater Conservation District	Transducer		
P	8/15/2018		99.11	0.06	706.89	1	Groundwater Conservation District	Transducer		
P	8/16/2018		99.01	(0.10)	706.99	1	Groundwater Conservation District	Transducer		
P	8/17/2018		99.02	0.01	706.98	1	Groundwater Conservation District	Transducer		
P	8/18/2018		99.04	0.02	706.96	1	Groundwater Conservation District	Transducer		
P	8/19/2018		99.08	0.04	706.92	1	Groundwater Conservation District	Transducer		
P	8/20/2018		99.07	(0.01)	706.93	1	Groundwater Conservation District	Transducer		
P	8/21/2018		99.12	0.05	706.88	1	Groundwater Conservation District	Transducer		
P	8/22/2018		99.11	(0.01)	706.89	1	Groundwater Conservation District	Transducer		
P	8/23/2018		99.16	0.05	706.84	1	Groundwater Conservation District	Transducer		
P	8/24/2018		99.13	(0.03)	706.87	1	Groundwater Conservation District	Transducer		
P	8/25/2018		99.16	0.03	706.84	1	Groundwater Conservation District	Transducer		
P	8/26/2018		99.13	(0.03)	706.87	1	Groundwater Conservation District	Transducer		
P	8/27/2018		99.3	0.17	706.7	1	Groundwater Conservation District	Transducer		
P	8/28/2018		99.34	0.04	706.66	1	Groundwater Conservation District	Transducer		
P	8/29/2018		99.33	(0.01)	706.67	1	Groundwater Conservation District	Transducer		
P	8/30/2018		99.28	(0.05)	706.72	1	Groundwater Conservation District	Transducer		
P	8/31/2018		99.31	0.03	706.69	1	Groundwater Conservation District	Transducer		
P	9/1/2018		99.33	0.02	706.67	1	Groundwater Conservation District	Transducer		
P	9/2/2018		99.39	0.06	706.61	1	Groundwater Conservation District	Transducer		
P	9/3/2018		99.33	(0.06)	706.67	1	Groundwater Conservation District	Transducer		



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P	9/4/2018		99.38	0.05	706.62	1	Groundwater Conservation District	Transducer		
P	9/5/2018		99.42	0.04	706.58	1	Groundwater Conservation District	Transducer		
P	9/6/2018		99.29	(0.13)	706.71	1	Groundwater Conservation District	Transducer		
P	9/7/2018		99.25	(0.04)	706.75	1	Groundwater Conservation District	Transducer		
P	9/8/2018		99.28	0.03	706.72	1	Groundwater Conservation District	Transducer		
P	9/9/2018		99.57	0.29	706.43	1	Groundwater Conservation District	Transducer		
P	9/10/2018		99.26	(0.31)	706.74	1	Groundwater Conservation District	Transducer		
P	9/11/2018		99.2	(0.06)	706.8	1	Groundwater Conservation District	Transducer		
P	9/12/2018		99.21	0.01	706.79	1	Groundwater Conservation District	Transducer		
P	9/13/2018		99.27	0.06	706.73	1	Groundwater Conservation District	Transducer		
P	9/14/2018		99.18	(0.09)	706.82	1	Groundwater Conservation District	Transducer		
P	9/15/2018		99.11	(0.07)	706.89	1	Groundwater Conservation District	Transducer		
P	9/16/2018		99.12	0.01	706.88	1	Groundwater Conservation District	Transducer		
P	9/17/2018		99.22	0.10	706.78	1	Groundwater Conservation District	Transducer		
P	9/18/2018		99.11	(0.11)	706.89	1	Groundwater Conservation District	Transducer		
P	9/19/2018		99.22	0.11	706.78	1	Groundwater Conservation District	Transducer		
P	9/20/2018		99.06	(0.16)	706.94	1	Groundwater Conservation District	Transducer		
P	9/21/2018		99.07	0.01	706.93	1	Groundwater Conservation District	Transducer		
P	9/22/2018		99.13	0.06	706.87	1	Groundwater Conservation District	Transducer		
P	9/23/2018		99.07	(0.06)	706.93	1	Groundwater Conservation District	Transducer		
P	9/24/2018		99.05	(0.02)	706.95	1	Groundwater Conservation District	Transducer		
P	9/25/2018		99.17	0.12	706.83	1	Groundwater Conservation District	Transducer		
P	9/26/2018		99.01	(0.16)	706.99	1	Groundwater Conservation District	Transducer		
P	9/27/2018		98.96	(0.05)	707.04	1	Groundwater Conservation District	Transducer		
P	9/28/2018		98.99	0.03	707.01	1	Groundwater Conservation District	Transducer		
P	9/29/2018		98.95	(0.04)	707.05	1	Groundwater Conservation District	Transducer		
P	9/30/2018		98.92	(0.03)	707.08	1	Groundwater Conservation District	Transducer		

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P	10/1/2018		99.03	0.11	706.97	1	Groundwater Conservation District	Transducer		
P	10/2/2018		98.95	(0.08)	707.05	1	Groundwater Conservation District	Transducer		
P	10/3/2018		98.91	(0.04)	707.09	1	Groundwater Conservation District	Transducer		
P	10/4/2018		98.93	0.02	707.07	1	Groundwater Conservation District	Transducer		
P	10/5/2018		98.91	(0.02)	707.09	1	Groundwater Conservation District	Transducer		
P	10/6/2018		98.95	0.04	707.05	1	Groundwater Conservation District	Transducer		
P	10/7/2018		98.9	(0.05)	707.1	1	Groundwater Conservation District	Transducer		
P	10/8/2018		98.94	0.04	707.06	1	Groundwater Conservation District	Transducer		
P	10/9/2018		98.99	0.05	707.01	1	Groundwater Conservation District	Transducer		
P	10/10/2018		98.85	(0.14)	707.15	1	Groundwater Conservation District	Transducer		
P	10/11/2018		98.9	0.05	707.1	1	Groundwater Conservation District	Transducer		
P	10/12/2018		98.84	(0.06)	707.16	1	Groundwater Conservation District	Transducer		
P	10/13/2018		98.82	(0.02)	707.18	1	Groundwater Conservation District	Transducer		
P	10/14/2018		98.97	0.15	707.03	1	Groundwater Conservation District	Transducer		
P	10/15/2018		98.75	(0.22)	707.25	1	Groundwater Conservation District	Transducer		
P	10/16/2018		98.68	(0.07)	707.32	1	Groundwater Conservation District	Transducer		
P	10/17/2018		98.64	(0.04)	707.36	1	Groundwater Conservation District	Transducer		
P	10/18/2018		98.62	(0.02)	707.38	1	Groundwater Conservation District	Transducer		
P	10/19/2018		98.65	0.03	707.35	1	Groundwater Conservation District	Transducer		
P	10/20/2018		98.58	(0.07)	707.42	1	Groundwater Conservation District	Transducer		
P	10/21/2018		98.52	(0.06)	707.48	1	Groundwater Conservation District	Transducer		
P	10/22/2018		98.54	0.02	707.46	1	Groundwater Conservation District	Transducer		
P	10/23/2018		98.55	0.01	707.45	1	Groundwater Conservation District	Transducer		
P	10/24/2018		98.5	(0.05)	707.5	1	Groundwater Conservation District	Transducer		
P	10/25/2018		98.45	(0.05)	707.55	1	Groundwater Conservation District	Transducer		
P	10/26/2018		98.46	0.01	707.54	1	Groundwater Conservation District	Transducer		
P	10/27/2018		98.45	(0.01)	707.55	1	Groundwater Conservation District	Transducer		

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P	10/28/2018		98.44	(0.01)	707.56	1	Groundwater Conservation District	Transducer		
P	10/29/2018		98.5	0.06	707.5	1	Groundwater Conservation District	Transducer		
P	10/30/2018		98.45	(0.05)	707.55	1	Groundwater Conservation District	Transducer		
P	10/31/2018		98.49	0.04	707.51	1	Groundwater Conservation District	Transducer		
P	11/1/2018		98.44	(0.05)	707.56	1	Groundwater Conservation District	Transducer		
P	11/2/2018		98.41	(0.03)	707.59	1	Groundwater Conservation District	Transducer		
P	11/3/2018		98.42	0.01	707.58	1	Groundwater Conservation District	Transducer		
P	11/4/2018		98.4	(0.02)	707.6	1	Groundwater Conservation District	Transducer		
P	11/5/2018		98.43	0.03	707.57	1	Groundwater Conservation District	Transducer		
P	11/6/2018		98.46	0.03	707.54	1	Groundwater Conservation District	Transducer		
P	11/7/2018		98.46	0.00	707.54	1	Groundwater Conservation District	Transducer		
P	11/8/2018		98.38	(0.08)	707.62	1	Groundwater Conservation District	Transducer		
P	11/9/2018		98.48	0.10	707.52	1	Groundwater Conservation District	Transducer		
P	11/10/2018		98.29	(0.19)	707.71	1	Groundwater Conservation District	Transducer		
P	11/11/2018		98.41	0.12	707.59	1	Groundwater Conservation District	Transducer		
P	11/12/2018		98.41	0.00	707.59	1	Groundwater Conservation District	Transducer		
P	11/13/2018		98.31	(0.10)	707.69	1	Groundwater Conservation District	Transducer		
P	11/14/2018		98.26	(0.05)	707.74	1	Groundwater Conservation District	Transducer		
P	11/15/2018		98.38	0.12	707.62	1	Groundwater Conservation District	Transducer		
P	11/16/2018		98.36	(0.02)	707.64	1	Groundwater Conservation District	Transducer		
P	11/17/2018		98.34	(0.02)	707.66	1	Groundwater Conservation District	Transducer		
P	11/18/2018		98.29	(0.05)	707.71	1	Groundwater Conservation District	Transducer		
P	11/19/2018		98.33	0.04	707.67	1	Groundwater Conservation District	Transducer		
P	11/20/2018		98.23	(0.10)	707.77	1	Groundwater Conservation District	Transducer		
P	11/21/2018		98.27	0.04	707.73	1	Groundwater Conservation District	Transducer		
P	11/22/2018		98.3	0.03	707.7	1	Groundwater Conservation District	Transducer		
P	11/23/2018		98.3	0.00	707.7	1	Groundwater Conservation District	Transducer		

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P	11/24/2018		98.28	(0.02)	707.72	1	Groundwater Conservation District	Transducer		
P	11/25/2018		98.29	0.01	707.71	1	Groundwater Conservation District	Transducer		
P	11/26/2018		98.18	(0.11)	707.82	1	Groundwater Conservation District	Transducer		
P	11/27/2018		98.2	0.02	707.8	1	Groundwater Conservation District	Transducer		
P	11/28/2018		98.4	0.20	707.6	1	Groundwater Conservation District	Transducer		
P	11/29/2018		98.39	(0.01)	707.61	1	Groundwater Conservation District	Transducer		
P	11/30/2018		98.36	(0.03)	707.64	1	Groundwater Conservation District	Transducer		
P	12/1/2018		98.44	0.08	707.56	1	Groundwater Conservation District	Transducer		
P	12/2/2018		98.3	(0.14)	707.7	1	Groundwater Conservation District	Transducer		
P	12/3/2018		98.23	(0.07)	707.77	1	Groundwater Conservation District	Transducer		
P	12/4/2018		98.16	(0.07)	707.84	1	Groundwater Conservation District	Transducer		
P	12/5/2018		98.1	(0.06)	707.9	1	Groundwater Conservation District	Transducer		
P	12/6/2018		98.42	0.32	707.58	1	Groundwater Conservation District	Transducer		
P	12/7/2018		98.24	(0.18)	707.76	1	Groundwater Conservation District	Transducer		
P	12/8/2018		98.15	(0.09)	707.85	1	Groundwater Conservation District	Transducer		
P	12/9/2018		98.14	(0.01)	707.86	1	Groundwater Conservation District	Transducer		
P	12/10/2018		98.15	0.01	707.85	1	Groundwater Conservation District	Transducer		
P	12/11/2018		98.11	(0.04)	707.89	1	Groundwater Conservation District	Transducer		
P	12/12/2018		98.19	0.08	707.81	1	Groundwater Conservation District	Transducer		
P	12/13/2018		98.18	(0.01)	707.82	1	Groundwater Conservation District	Transducer		
P	12/14/2018		98.16	(0.02)	707.84	1	Groundwater Conservation District	Transducer		
P	12/15/2018		98.06	(0.10)	707.94	1	Groundwater Conservation District	Transducer		
P	12/16/2018		98.07	0.01	707.93	1	Groundwater Conservation District	Transducer		
P	12/17/2018		98.08	0.01	707.92	1	Groundwater Conservation District	Transducer		
P	12/18/2018		98.12	0.04	707.88	1	Groundwater Conservation District	Transducer		
P	12/19/2018		98.32	0.20	707.68	1	Groundwater Conservation District	Transducer		
P	12/20/2018		98.17	(0.15)	707.83	1	Groundwater Conservation District	Transducer		

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P	12/21/2018		98.07	(0.10)	707.93	1	Groundwater Conservation District	Transducer		
P	12/22/2018		98.15	0.08	707.85	1	Groundwater Conservation District	Transducer		
P	12/23/2018		98.01	(0.14)	707.99	1	Groundwater Conservation District	Transducer		
P	12/24/2018		98.04	0.03	707.96	1	Groundwater Conservation District	Transducer		
P	12/25/2018		98.15	0.11	707.85	1	Groundwater Conservation District	Transducer		
P	12/26/2018		98.2	0.05	707.8	1	Groundwater Conservation District	Transducer		
P	12/27/2018		98.1	(0.10)	707.9	1	Groundwater Conservation District	Transducer		
P	12/28/2018		98.05	(0.05)	707.95	1	Groundwater Conservation District	Transducer		
P	12/29/2018		98.06	0.01	707.94	1	Groundwater Conservation District	Transducer		
P	12/30/2018		97.99	(0.07)	708.01	1	Groundwater Conservation District	Transducer		
P	12/31/2018		98.03	0.04	707.97	1	Groundwater Conservation District	Transducer		
P	1/1/2019		98.01	(0.02)	707.99	1	Groundwater Conservation District	Transducer		
P	1/2/2019		97.98	(0.03)	708.02	1	Groundwater Conservation District	Transducer		
P	1/3/2019		98.02	0.04	707.98	1	Groundwater Conservation District	Transducer		
P	1/4/2019		98.01	(0.01)	707.99	1	Groundwater Conservation District	Transducer		
P	1/5/2019		98.02	0.01	707.98	1	Groundwater Conservation District	Transducer		
P	1/6/2019		98.11	0.09	707.89	1	Groundwater Conservation District	Transducer		
P	1/7/2019		98.05	(0.06)	707.95	1	Groundwater Conservation District	Transducer		
P	1/8/2019		98.02	(0.03)	707.98	1	Groundwater Conservation District	Transducer		
P	1/9/2019		97.87	(0.15)	708.13	1	Groundwater Conservation District	Transducer		
P	1/10/2019		97.89	0.02	708.11	1	Groundwater Conservation District	Transducer		
P	1/11/2019		97.91	0.02	708.09	1	Groundwater Conservation District	Transducer		
P	1/12/2019		97.94	0.03	708.06	1	Groundwater Conservation District	Transducer		
P	1/13/2019		97.92	(0.02)	708.08	1	Groundwater Conservation District	Transducer		
P	1/14/2019		97.83	(0.09)	708.17	1	Groundwater Conservation District	Transducer		
P	1/15/2019		97.84	0.01	708.16	1	Groundwater Conservation District	Transducer		
P	1/16/2019		97.89	0.05	708.11	1	Groundwater Conservation District	Transducer		

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P	1/17/2019		97.92	0.03	708.08	1	Groundwater Conservation District	Transducer		
P	1/18/2019		97.89	(0.03)	708.11	1	Groundwater Conservation District	Transducer		
P	1/19/2019		97.87	(0.02)	708.13	1	Groundwater Conservation District	Transducer		
P	1/20/2019		97.79	(0.08)	708.21	1	Groundwater Conservation District	Transducer		
P	1/21/2019		97.92	0.13	708.08	1	Groundwater Conservation District	Transducer		
P	1/22/2019		97.87	(0.05)	708.13	1	Groundwater Conservation District	Transducer		
P	1/23/2019		97.82	(0.05)	708.18	1	Groundwater Conservation District	Transducer		
P	1/24/2019		97.86	0.04	708.14	1	Groundwater Conservation District	Transducer		
P	1/25/2019		97.8	(0.06)	708.2	1	Groundwater Conservation District	Transducer		
P	1/26/2019		97.86	0.06	708.14	1	Groundwater Conservation District	Transducer		
P	1/27/2019		97.8	(0.06)	708.2	1	Groundwater Conservation District	Transducer		
P	1/28/2019		97.87	0.07	708.13	1	Groundwater Conservation District	Transducer		
P	1/29/2019		97.73	(0.14)	708.27	1	Groundwater Conservation District	Transducer		
P	1/30/2019		97.79	0.06	708.21	1	Groundwater Conservation District	Transducer		
P	1/31/2019		97.79	0.00	708.21	1	Groundwater Conservation District	Transducer		
P	2/1/2019		97.8	0.01	708.2	1	Groundwater Conservation District	Transducer		
P	2/2/2019		97.74	(0.06)	708.26	1	Groundwater Conservation District	Transducer		
P	2/3/2019		97.77	0.03	708.23	1	Groundwater Conservation District	Transducer		
P	2/4/2019		97.91	0.14	708.09	1	Groundwater Conservation District	Transducer		
P	2/5/2019		97.84	(0.07)	708.16	1	Groundwater Conservation District	Transducer		
P	2/6/2019		97.76	(0.08)	708.24	1	Groundwater Conservation District	Transducer		
P	2/7/2019		97.83	0.07	708.17	1	Groundwater Conservation District	Transducer		
P	2/8/2019		97.73	(0.10)	708.27	1	Groundwater Conservation District	Transducer		
P	2/9/2019		97.75	0.02	708.25	1	Groundwater Conservation District	Transducer		
P	2/10/2019		97.83	0.08	708.17	1	Groundwater Conservation District	Transducer		
P	2/11/2019		97.86	0.03	708.14	1	Groundwater Conservation District	Transducer		
P	2/12/2019		97.83	(0.03)	708.17	1	Groundwater Conservation District	Transducer		



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P	2/13/2019		97.73	(0.10)	708.27	1	Groundwater Conservation District	Transducer		
P	2/14/2019		97.87	0.14	708.13	1	Groundwater Conservation District	Transducer		
P	2/15/2019		97.84	(0.03)	708.16	1	Groundwater Conservation District	Transducer		
P	2/16/2019		97.75	(0.09)	708.25	1	Groundwater Conservation District	Transducer		
P	2/17/2019		97.84	0.09	708.16	1	Groundwater Conservation District	Transducer		
P	2/18/2019		97.69	(0.15)	708.31	1	Groundwater Conservation District	Transducer		
P	2/19/2019		97.77	0.08	708.23	1	Groundwater Conservation District	Transducer		
P	2/20/2019		97.79	0.02	708.21	1	Groundwater Conservation District	Transducer		
P	2/21/2019		97.84	0.05	708.16	1	Groundwater Conservation District	Transducer		
P	2/22/2019		97.68	(0.16)	708.32	1	Groundwater Conservation District	Transducer		
P	2/23/2019		97.72	0.04	708.28	1	Groundwater Conservation District	Transducer		
P	2/24/2019		97.76	0.04	708.24	1	Groundwater Conservation District	Transducer		
P	2/25/2019		97.68	(0.08)	708.32	1	Groundwater Conservation District	Transducer		
P	2/26/2019		97.73	0.05	708.27	1	Groundwater Conservation District	Transducer		
P	2/27/2019		97.72	(0.01)	708.28	1	Groundwater Conservation District	Transducer		
P	2/28/2019		97.67	(0.05)	708.33	1	Groundwater Conservation District	Transducer		
P	3/1/2019		97.73	0.06	708.27	1	Groundwater Conservation District	Transducer		
P	3/2/2019		97.72	(0.01)	708.28	1	Groundwater Conservation District	Transducer		
P	3/3/2019		97.84	0.12	708.16	1	Groundwater Conservation District	Transducer		
P	3/4/2019		97.64	(0.20)	708.36	1	Groundwater Conservation District	Transducer		
P	3/5/2019		97.69	0.05	708.31	1	Groundwater Conservation District	Transducer		
P	3/6/2019		97.73	0.04	708.27	1	Groundwater Conservation District	Transducer		
P	3/7/2019		97.75	0.02	708.25	1	Groundwater Conservation District	Transducer		
P	3/8/2019		97.75	0.00	708.25	1	Groundwater Conservation District	Transducer		
P	3/9/2019		97.86	0.11	708.14	1	Groundwater Conservation District	Transducer		
P	3/10/2019		97.67	(0.19)	708.33	1	Groundwater Conservation District	Transducer		
P	3/11/2019		97.69	0.02	708.31	1	Groundwater Conservation District	Transducer		

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P	3/12/2019		97.69	0.00	708.31	1	Groundwater Conservation District	Transducer		
P	3/13/2019		97.77	0.08	708.23	1	Groundwater Conservation District	Transducer		
P	3/14/2019		97.64	(0.13)	708.36	1	Groundwater Conservation District	Transducer		
P	3/15/2019		97.61	(0.03)	708.39	1	Groundwater Conservation District	Transducer		
P	3/16/2019		97.59	(0.02)	708.41	1	Groundwater Conservation District	Transducer		
P	3/17/2019		97.78	0.19	708.22	1	Groundwater Conservation District	Transducer		
P	3/18/2019		97.62	(0.16)	708.38	1	Groundwater Conservation District	Transducer		
P	3/19/2019		97.62	0.00	708.38	1	Groundwater Conservation District	Transducer		
P	3/20/2019		97.68	0.06	708.32	1	Groundwater Conservation District	Transducer		
P	3/21/2019		97.63	(0.05)	708.37	1	Groundwater Conservation District	Transducer		
P	3/22/2019		97.72	0.09	708.28	1	Groundwater Conservation District	Transducer		
P	3/23/2019		97.62	(0.10)	708.38	1	Groundwater Conservation District	Transducer		
P	3/24/2019		97.62	0.00	708.38	1	Groundwater Conservation District	Transducer		
P	3/25/2019		97.59	(0.03)	708.41	1	Groundwater Conservation District	Transducer		
P	3/26/2019		97.56	(0.03)	708.44	1	Groundwater Conservation District	Transducer		
P	3/27/2019		97.6	0.04	708.4	1	Groundwater Conservation District	Transducer		
P	3/28/2019		97.54	(0.06)	708.46	1	Groundwater Conservation District	Transducer		
P	3/29/2019		97.6	0.06	708.4	1	Groundwater Conservation District	Transducer		
P	3/30/2019		97.62	0.02	708.38	1	Groundwater Conservation District	Transducer		
P	3/31/2019		97.62	0.00	708.38	1	Groundwater Conservation District	Transducer		
P	4/1/2019		97.7	0.08	708.3	1	Groundwater Conservation District	Transducer		
P	4/2/2019		97.57	(0.13)	708.43	1	Groundwater Conservation District	Transducer		
P	4/3/2019		97.62	0.05	708.38	1	Groundwater Conservation District	Transducer		
P	4/4/2019		97.61	(0.01)	708.39	1	Groundwater Conservation District	Transducer		
P	4/5/2019		97.78	0.17	708.22	1	Groundwater Conservation District	Transducer		
P	4/6/2019		97.64	(0.14)	708.36	1	Groundwater Conservation District	Transducer		
P	4/7/2019		97.58	(0.06)	708.42	1	Groundwater Conservation District	Transducer		

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P	4/8/2019		97.64	0.06	708.36	1	Groundwater Conservation District	Transducer		
P	4/9/2019		97.6	(0.04)	708.4	1	Groundwater Conservation District	Transducer		
P	4/10/2019		97.62	0.02	708.38	1	Groundwater Conservation District	Transducer		
P	4/11/2019		97.74	0.12	708.26	1	Groundwater Conservation District	Transducer		
P	4/12/2019		97.54	(0.20)	708.46	1	Groundwater Conservation District	Transducer		
P	4/13/2019		97.55	0.01	708.45	1	Groundwater Conservation District	Transducer		
P	4/14/2019		97.59	0.04	708.41	1	Groundwater Conservation District	Transducer		
P	4/15/2019		97.55	(0.04)	708.45	1	Groundwater Conservation District	Transducer		
P	4/16/2019		97.65	0.10	708.35	1	Groundwater Conservation District	Transducer		
P	4/17/2019		97.54	(0.11)	708.46	1	Groundwater Conservation District	Transducer		
P	4/18/2019		97.62	0.08	708.38	1	Groundwater Conservation District	Transducer		
P	4/19/2019		97.52	(0.10)	708.48	1	Groundwater Conservation District	Transducer		
P	4/20/2019		97.57	0.05	708.43	1	Groundwater Conservation District	Transducer		
P	4/21/2019		97.59	0.02	708.41	1	Groundwater Conservation District	Transducer		
P	4/22/2019		97.69	0.10	708.31	1	Groundwater Conservation District	Transducer		
P	4/23/2019		97.53	(0.16)	708.47	1	Groundwater Conservation District	Transducer		
P	4/24/2019		97.63	0.10	708.37	1	Groundwater Conservation District	Transducer		
P	4/25/2019		97.54	(0.09)	708.46	1	Groundwater Conservation District	Transducer		
P	4/26/2019		97.61	0.07	708.39	1	Groundwater Conservation District	Transducer		
P	4/27/2019		97.78	0.17	708.22	1	Groundwater Conservation District	Transducer		
P	4/28/2019		97.87	0.09	708.13	1	Groundwater Conservation District	Transducer		
P	4/29/2019		97.66	(0.21)	708.34	1	Groundwater Conservation District	Transducer		
P	4/30/2019		97.73	0.07	708.27	1	Groundwater Conservation District	Transducer		
P	5/1/2019		97.72	(0.01)	708.28	1	Groundwater Conservation District	Transducer		
P	5/2/2019		97.49	(0.23)	708.51	1	Groundwater Conservation District	Transducer		
P	5/3/2019		97.52	0.03	708.48	1	Groundwater Conservation District	Transducer		
P	5/4/2019		97.53	0.01	708.47	1	Groundwater Conservation District	Transducer		

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P	5/5/2019		97.49	(0.04)	708.51	1	Groundwater Conservation District	Transducer		
P	5/6/2019		97.45	(0.04)	708.55	1	Groundwater Conservation District	Transducer		
P	5/7/2019		97.5	0.05	708.5	1	Groundwater Conservation District	Transducer		
P	5/8/2019		97.48	(0.02)	708.52	1	Groundwater Conservation District	Transducer		
P	5/9/2019		97.51	0.03	708.49	1	Groundwater Conservation District	Transducer		
P	5/10/2019		97.45	(0.06)	708.55	1	Groundwater Conservation District	Transducer		
P	5/11/2019		97.41	(0.04)	708.59	1	Groundwater Conservation District	Transducer		
P	5/12/2019		97.49	0.08	708.51	1	Groundwater Conservation District	Transducer		
P	5/13/2019		97.44	(0.05)	708.56	1	Groundwater Conservation District	Transducer		
P	5/14/2019		97.38	(0.06)	708.62	1	Groundwater Conservation District	Transducer		
P	5/15/2019		97.69	0.31	708.31	1	Groundwater Conservation District	Transducer		
P	5/16/2019		98.28	0.59	707.72	1	Groundwater Conservation District	Transducer		
P	5/17/2019		98.12	(0.16)	707.88	1	Groundwater Conservation District	Transducer		
P	5/18/2019		97.84	(0.28)	708.16	1	Groundwater Conservation District	Transducer		
P	5/19/2019		97.77	(0.07)	708.23	1	Groundwater Conservation District	Transducer		
P	5/20/2019		97.69	(0.08)	708.31	1	Groundwater Conservation District	Transducer		
P	9/18/2019		99.63	1.94	706.37	1	Groundwater Conservation District	Transducer		
P	9/19/2019		99.46	(0.17)	706.54	1	Groundwater Conservation District	Transducer		
P	9/20/2019		99.63	0.17	706.37	1	Groundwater Conservation District	Transducer		
P	9/21/2019		99.61	(0.02)	706.39	1	Groundwater Conservation District	Transducer		
P	9/22/2019		99.59	(0.02)	706.41	1	Groundwater Conservation District	Transducer		
P	9/23/2019		99.51	(0.08)	706.49	1	Groundwater Conservation District	Transducer		
P	9/24/2019		99.59	0.08	706.41	1	Groundwater Conservation District	Transducer		
P	9/25/2019		99.46	(0.13)	706.54	1	Groundwater Conservation District	Transducer		
P	9/26/2019		99.55	0.09	706.45	1	Groundwater Conservation District	Transducer		
P	9/27/2019		99.43	(0.12)	706.57	1	Groundwater Conservation District	Transducer		
P	9/28/2019		99.54	0.11	706.46	1	Groundwater Conservation District	Transducer		

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P	9/29/2019		99.38	(0.16)	706.62	1	Groundwater Conservation District	Transducer		
P	9/30/2019		99.45	0.07	706.55	1	Groundwater Conservation District	Transducer		
P	10/1/2019		99.52	0.07	706.48	1	Groundwater Conservation District	Transducer		
P	10/2/2019		99.4	(0.12)	706.6	1	Groundwater Conservation District	Transducer		
P	10/3/2019		99.46	0.06	706.54	1	Groundwater Conservation District	Transducer		
P	10/4/2019		99.45	(0.01)	706.55	1	Groundwater Conservation District	Transducer		
P	10/5/2019		99.42	(0.03)	706.58	1	Groundwater Conservation District	Transducer		
P	10/6/2019		99.46	0.04	706.54	1	Groundwater Conservation District	Transducer		
P	10/7/2019		99.38	(0.08)	706.62	1	Groundwater Conservation District	Transducer		
P	10/8/2019		99.46	0.08	706.54	1	Groundwater Conservation District	Transducer		
P	10/9/2019		99.47	0.01	706.53	1	Groundwater Conservation District	Transducer		
P	10/10/2019		99.52	0.05	706.48	1	Groundwater Conservation District	Transducer		
P	10/11/2019		99.5	(0.02)	706.5	1	Groundwater Conservation District	Transducer		
P	10/12/2019		99.27	(0.23)	706.73	1	Groundwater Conservation District	Transducer		
P	10/13/2019		99.59	0.32	706.41	1	Groundwater Conservation District	Transducer		
P	10/14/2019		99.39	(0.20)	706.61	1	Groundwater Conservation District	Transducer		
P	10/15/2019		99.43	0.04	706.57	1	Groundwater Conservation District	Transducer		
P	10/16/2019		99.41	(0.02)	706.59	1	Groundwater Conservation District	Transducer		
P	10/17/2019		99.47	0.06	706.53	1	Groundwater Conservation District	Transducer		
P	10/18/2019		99.4	(0.07)	706.6	1	Groundwater Conservation District	Transducer		
P	10/19/2019		99.42	0.02	706.58	1	Groundwater Conservation District	Transducer		
P	10/20/2019		99.35	(0.07)	706.65	1	Groundwater Conservation District	Transducer		
P	10/21/2019		99.38	0.03	706.62	1	Groundwater Conservation District	Transducer		
P	10/22/2019		99.24	(0.14)	706.76	1	Groundwater Conservation District	Transducer		
P	10/23/2019		99.36	0.12	706.64	1	Groundwater Conservation District	Transducer		
P	10/24/2019		99.42	0.06	706.58	1	Groundwater Conservation District	Transducer		
P	10/25/2019		99.3	(0.12)	706.7	1	Groundwater Conservation District	Transducer		

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P	10/26/2019		99.31	0.01	706.69	1	Groundwater Conservation District	Transducer		
P	10/27/2019		99.41	0.10	706.59	1	Groundwater Conservation District	Transducer		
P	10/28/2019		99.36	(0.05)	706.64	1	Groundwater Conservation District	Transducer		
P	10/29/2019		99.32	(0.04)	706.68	1	Groundwater Conservation District	Transducer		
P	10/30/2019		99.24	(0.08)	706.76	1	Groundwater Conservation District	Transducer		
P	10/31/2019		99.17	(0.07)	706.83	1	Groundwater Conservation District	Transducer		
P	11/1/2019		99.14	(0.03)	706.86	1	Groundwater Conservation District	Transducer		
P	11/2/2019		99.21	0.07	706.79	1	Groundwater Conservation District	Transducer		
P	11/3/2019		99.23	0.02	706.77	1	Groundwater Conservation District	Transducer		
P	11/4/2019		99.23	0.00	706.77	1	Groundwater Conservation District	Transducer		
P	11/5/2019		99.17	(0.06)	706.83	1	Groundwater Conservation District	Transducer		
P	11/6/2019		99.2	0.03	706.8	1	Groundwater Conservation District	Transducer		
P	11/7/2019		99.08	(0.12)	706.92	1	Groundwater Conservation District	Transducer		
P	11/8/2019		99.18	0.10	706.82	1	Groundwater Conservation District	Transducer		
P	11/9/2019		99.11	(0.07)	706.89	1	Groundwater Conservation District	Transducer		
P	11/10/2019		99.18	0.07	706.82	1	Groundwater Conservation District	Transducer		
P	11/11/2019		99.09	(0.09)	706.91	1	Groundwater Conservation District	Transducer		
P	11/12/2019		99.13	0.04	706.87	1	Groundwater Conservation District	Transducer		
P	11/13/2019		99.09	(0.04)	706.91	1	Groundwater Conservation District	Transducer		
P	11/14/2019		99.07	(0.02)	706.93	1	Groundwater Conservation District	Transducer		
P	11/15/2019		99.09	0.02	706.91	1	Groundwater Conservation District	Transducer		
P	11/16/2019		99.25	0.16	706.75	1	Groundwater Conservation District	Transducer		
P	11/17/2019		99.43	0.18	706.57	1	Groundwater Conservation District	Transducer		
P	11/18/2019		99.26	(0.17)	706.74	1	Groundwater Conservation District	Transducer		
P	11/19/2019		99.14	(0.12)	706.86	1	Groundwater Conservation District	Transducer		
P	11/20/2019		99.11	(0.03)	706.89	1	Groundwater Conservation District	Transducer		
P	11/21/2019		99.19	0.08	706.81	1	Groundwater Conservation District	Transducer		



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P	11/22/2019		99.09	(0.10)	706.91	1	Groundwater Conservation District	Transducer		
P	11/23/2019		99.12	0.03	706.88	1	Groundwater Conservation District	Transducer		
P	11/24/2019		99.2	0.08	706.8	1	Groundwater Conservation District	Transducer		
P	11/25/2019		99.25	0.05	706.75	1	Groundwater Conservation District	Transducer		
P	11/26/2019		99.05	(0.20)	706.95	1	Groundwater Conservation District	Transducer		
P	11/27/2019		99.09	0.04	706.91	1	Groundwater Conservation District	Transducer		
P	11/28/2019		99.11	0.02	706.89	1	Groundwater Conservation District	Transducer		
P	11/29/2019		99.69	0.58	706.31	1	Groundwater Conservation District	Transducer		
P	11/30/2019		99.62	(0.07)	706.38	1	Groundwater Conservation District	Transducer		
P	12/1/2019		99.32	(0.30)	706.68	1	Groundwater Conservation District	Transducer		
P	12/2/2019		99.24	(0.08)	706.76	1	Groundwater Conservation District	Transducer		
P	12/3/2019		99.4	0.16	706.6	1	Groundwater Conservation District	Transducer		
P	12/4/2019		99.38	(0.02)	706.62	1	Groundwater Conservation District	Transducer		
P	12/5/2019		99.38	0.00	706.62	1	Groundwater Conservation District	Transducer		
P	12/6/2019		99.24	(0.14)	706.76	1	Groundwater Conservation District	Transducer		
P	12/7/2019		99.32	0.08	706.68	1	Groundwater Conservation District	Transducer		
P	12/8/2019		99.35	0.03	706.65	1	Groundwater Conservation District	Transducer		
P	12/9/2019		99.26	(0.09)	706.74	1	Groundwater Conservation District	Transducer		
P	12/10/2019		99.12	(0.14)	706.88	1	Groundwater Conservation District	Transducer		
P	12/11/2019		99.2	0.08	706.8	1	Groundwater Conservation District	Transducer		
P	12/12/2019		99.24	0.04	706.76	1	Groundwater Conservation District	Transducer		
P	12/13/2019		99.23	(0.01)	706.77	1	Groundwater Conservation District	Transducer		
P	12/14/2019		99.18	(0.05)	706.82	1	Groundwater Conservation District	Transducer		
P	12/15/2019		99.22	0.04	706.78	1	Groundwater Conservation District	Transducer		
P	12/16/2019		99.04	(0.18)	706.96	1	Groundwater Conservation District	Transducer		
P	12/17/2019		99.13	0.09	706.87	1	Groundwater Conservation District	Transducer		
P	12/18/2019		99.15	0.02	706.85	1	Groundwater Conservation District	Transducer		

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P	12/19/2019		99.16	0.01	706.84	1	Groundwater Conservation District	Transducer		
P	12/20/2019		99.03	(0.13)	706.97	1	Groundwater Conservation District	Transducer		
P	12/21/2019		99.11	0.08	706.89	1	Groundwater Conservation District	Transducer		
P	12/22/2019		99.08	(0.03)	706.92	1	Groundwater Conservation District	Transducer		
P	12/23/2019		99.19	0.11	706.81	1	Groundwater Conservation District	Transducer		
P	12/24/2019		99.17	(0.02)	706.83	1	Groundwater Conservation District	Transducer		
P	12/25/2019		99.11	(0.06)	706.89	1	Groundwater Conservation District	Transducer		
P	12/26/2019		99.12	0.01	706.88	1	Groundwater Conservation District	Transducer		
P	12/27/2019		99.35	0.23	706.65	1	Groundwater Conservation District	Transducer		
P	12/28/2019		99.11	(0.24)	706.89	1	Groundwater Conservation District	Transducer		
P	12/29/2019		99.1	(0.01)	706.9	1	Groundwater Conservation District	Transducer		
P	12/30/2019		99.01	(0.09)	706.99	1	Groundwater Conservation District	Transducer		
P	12/31/2019		99.1	0.09	706.9	1	Groundwater Conservation District	Transducer		
P	1/1/2020		99.17	0.07	706.83	1	Groundwater Conservation District	Transducer		
P	1/2/2020		99.09	(0.08)	706.91	1	Groundwater Conservation District	Transducer		
P	1/3/2020		98.98	(0.11)	707.02	1	Groundwater Conservation District	Transducer		
P	1/4/2020		98.99	0.01	707.01	1	Groundwater Conservation District	Transducer		
P	1/5/2020		99.08	0.09	706.92	1	Groundwater Conservation District	Transducer		
P	1/6/2020		99.03	(0.05)	706.97	1	Groundwater Conservation District	Transducer		
P	1/7/2020		98.97	(0.06)	707.03	1	Groundwater Conservation District	Transducer		
P	1/8/2020		99.08	0.11	706.92	1	Groundwater Conservation District	Transducer		
P	1/9/2020		99.07	(0.01)	706.93	1	Groundwater Conservation District	Transducer		
P	1/10/2020		99.02	(0.05)	706.98	1	Groundwater Conservation District	Transducer		
P	1/11/2020		99.02	0.00	706.98	1	Groundwater Conservation District	Transducer		
P	1/12/2020		98.97	(0.05)	707.03	1	Groundwater Conservation District	Transducer		
P	1/13/2020		98.92	(0.05)	707.08	1	Groundwater Conservation District	Transducer		
P	1/14/2020		99	0.08	707	1	Groundwater Conservation District	Transducer		

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P	1/15/2020		99	0.00	707	1	Groundwater Conservation District	Transducer		
P	1/16/2020		98.91	(0.09)	707.09	1	Groundwater Conservation District	Transducer		
P	1/17/2020		98.89	(0.02)	707.11	1	Groundwater Conservation District	Transducer		
P	1/18/2020		98.85	(0.04)	707.15	1	Groundwater Conservation District	Transducer		
P	1/19/2020		98.89	0.04	707.11	1	Groundwater Conservation District	Transducer		
P	1/20/2020		98.91	0.02	707.09	1	Groundwater Conservation District	Transducer		
P	1/21/2020		98.96	0.05	707.04	1	Groundwater Conservation District	Transducer		
P	1/22/2020		98.99	0.03	707.01	1	Groundwater Conservation District	Transducer		
P	1/23/2020		98.89	(0.10)	707.11	1	Groundwater Conservation District	Transducer		
P	1/24/2020		98.88	(0.01)	707.12	1	Groundwater Conservation District	Transducer		
P	1/25/2020		98.87	(0.01)	707.13	1	Groundwater Conservation District	Transducer		
P	1/26/2020		98.9	0.03	707.1	1	Groundwater Conservation District	Transducer		
P	1/27/2020		98.9	0.00	707.1	1	Groundwater Conservation District	Transducer		
P	1/28/2020		98.84	(0.06)	707.16	1	Groundwater Conservation District	Transducer		
P	1/29/2020		98.82	(0.02)	707.18	1	Groundwater Conservation District	Transducer		
P	1/30/2020		98.81	(0.01)	707.19	1	Groundwater Conservation District	Transducer		
P	1/31/2020		98.73	(0.08)	707.27	1	Groundwater Conservation District	Transducer		
P	2/1/2020		98.81	0.08	707.19	1	Groundwater Conservation District	Transducer		
P	2/2/2020		98.94	0.13	707.06	1	Groundwater Conservation District	Transducer		
P	2/3/2020		98.92	(0.02)	707.08	1	Groundwater Conservation District	Transducer		
P	2/4/2020		98.79	(0.13)	707.21	1	Groundwater Conservation District	Transducer		
P	2/5/2020		98.76	(0.03)	707.24	1	Groundwater Conservation District	Transducer		
P	2/6/2020		98.76	0.00	707.24	1	Groundwater Conservation District	Transducer		
P	2/7/2020		98.79	0.03	707.21	1	Groundwater Conservation District	Transducer		
P	2/8/2020		98.96	0.17	707.04	1	Groundwater Conservation District	Transducer		
P	2/9/2020		98.83	(0.13)	707.17	1	Groundwater Conservation District	Transducer		
P	2/10/2020		98.71	(0.12)	707.29	1	Groundwater Conservation District	Transducer		

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P	2/11/2020		98.77	0.06	707.23	1	Groundwater Conservation District	Transducer		
P	2/12/2020		98.72	(0.05)	707.28	1	Groundwater Conservation District	Transducer		
P	2/13/2020		98.66	(0.06)	707.34	1	Groundwater Conservation District	Transducer		
P	2/14/2020		98.66	0.00	707.34	1	Groundwater Conservation District	Transducer		
P	2/15/2020		98.73	0.07	707.27	1	Groundwater Conservation District	Transducer		
P	2/16/2020		98.8	0.07	707.2	1	Groundwater Conservation District	Transducer		
P	2/17/2020		98.77	(0.03)	707.23	1	Groundwater Conservation District	Transducer		
P	2/18/2020		98.66	(0.11)	707.34	1	Groundwater Conservation District	Transducer		
P	2/19/2020		98.7	0.04	707.3	1	Groundwater Conservation District	Transducer		
P	2/20/2020		98.57	(0.13)	707.43	1	Groundwater Conservation District	Transducer		
P	2/21/2020		98.7	0.13	707.3	1	Groundwater Conservation District	Transducer		
P	2/22/2020		98.7	0.00	707.3	1	Groundwater Conservation District	Transducer		
P	2/23/2020		98.79	0.09	707.21	1	Groundwater Conservation District	Transducer		
P	2/24/2020		98.75	(0.04)	707.25	1	Groundwater Conservation District	Transducer		
P	2/25/2020		98.59	(0.16)	707.41	1	Groundwater Conservation District	Transducer		
P	2/26/2020		98.57	(0.02)	707.43	1	Groundwater Conservation District	Transducer		
P	2/27/2020		98.64	0.07	707.36	1	Groundwater Conservation District	Transducer		
P	2/28/2020		98.69	0.05	707.31	1	Groundwater Conservation District	Transducer		
P	2/29/2020		98.74	0.05	707.26	1	Groundwater Conservation District	Transducer		
P	3/1/2020		98.69	(0.05)	707.31	1	Groundwater Conservation District	Transducer		
P	3/2/2020		98.69	0.00	707.31	1	Groundwater Conservation District	Transducer		
P	3/3/2020		98.68	(0.01)	707.32	1	Groundwater Conservation District	Transducer		
P	3/4/2020		98.57	(0.11)	707.43	1	Groundwater Conservation District	Transducer		
P	3/5/2020		98.55	(0.02)	707.45	1	Groundwater Conservation District	Transducer		
P	3/6/2020		98.58	0.03	707.42	1	Groundwater Conservation District	Transducer		
P	3/7/2020		98.58	0.00	707.42	1	Groundwater Conservation District	Transducer		
P	3/9/2020		98.78	0.20	707.22	1	Groundwater Conservation District	Transducer		

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P	3/10/2020		98.6	(0.18)	707.4	1	Groundwater Conservation District	Transducer		
P	3/11/2020		98.63	0.03	707.37	1	Groundwater Conservation District	Transducer		
P	3/12/2020		98.59	(0.04)	707.41	1	Groundwater Conservation District	Transducer		
P	3/13/2020		98.61	0.02	707.39	1	Groundwater Conservation District	Transducer		
P	3/14/2020		98.56	(0.05)	707.44	1	Groundwater Conservation District	Transducer		
P	3/15/2020		98.54	(0.02)	707.46	1	Groundwater Conservation District	Transducer		
P	3/16/2020		98.57	0.03	707.43	1	Groundwater Conservation District	Transducer		
P	3/17/2020		98.6	0.03	707.4	1	Groundwater Conservation District	Transducer		
P	3/18/2020		98.65	0.05	707.35	1	Groundwater Conservation District	Transducer		
P	3/19/2020		98.7	0.05	707.3	1	Groundwater Conservation District	Transducer		
P	3/20/2020		98.55	(0.15)	707.45	1	Groundwater Conservation District	Transducer		
P	3/21/2020		98.54	(0.01)	707.46	1	Groundwater Conservation District	Transducer		
P	3/22/2020		98.58	0.04	707.42	1	Groundwater Conservation District	Transducer		
P	3/23/2020		98.63	0.05	707.37	1	Groundwater Conservation District	Transducer		
P	3/24/2020		98.6	(0.03)	707.4	1	Groundwater Conservation District	Transducer		
P	3/25/2020		98.7	0.10	707.3	1	Groundwater Conservation District	Transducer		
P	3/26/2020		98.63	(0.07)	707.37	1	Groundwater Conservation District	Transducer		
P	3/27/2020		98.6	(0.03)	707.4	1	Groundwater Conservation District	Transducer		
P	3/28/2020		98.57	(0.03)	707.43	1	Groundwater Conservation District	Transducer		
P	3/29/2020		98.57	0.00	707.43	1	Groundwater Conservation District	Transducer		
P	3/30/2020		98.56	(0.01)	707.44	1	Groundwater Conservation District	Transducer		
P	3/31/2020		98.61	0.05	707.39	1	Groundwater Conservation District	Transducer		
P	4/1/2020		98.51	(0.10)	707.49	1	Groundwater Conservation District	Transducer		
P	4/2/2020		98.59	0.08	707.41	1	Groundwater Conservation District	Transducer		
P	4/3/2020		98.58	(0.01)	707.42	1	Groundwater Conservation District	Transducer		
P	4/4/2020		98.51	(0.07)	707.49	1	Groundwater Conservation District	Transducer		
P	4/5/2020		98.47	(0.04)	707.53	1	Groundwater Conservation District	Transducer		

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P	4/6/2020		98.53	0.06	707.47	1	Groundwater Conservation District	Transducer		
P	4/7/2020		98.55	0.02	707.45	1	Groundwater Conservation District	Transducer		
P	4/8/2020		98.64	0.09	707.36	1	Groundwater Conservation District	Transducer		
P	4/9/2020		98.52	(0.12)	707.48	1	Groundwater Conservation District	Transducer		
P	4/10/2020		98.71	0.19	707.29	1	Groundwater Conservation District	Transducer		
P	4/11/2020		98.63	(0.08)	707.37	1	Groundwater Conservation District	Transducer		
P	4/12/2020		98.59	(0.04)	707.41	1	Groundwater Conservation District	Transducer		
P	4/13/2020		98.43	(0.16)	707.57	1	Groundwater Conservation District	Transducer		
P	4/14/2020		98.56	0.13	707.44	1	Groundwater Conservation District	Transducer		
P	4/15/2020		98.44	(0.12)	707.56	1	Groundwater Conservation District	Transducer		
P	4/16/2020		98.48	0.04	707.52	1	Groundwater Conservation District	Transducer		
P	4/17/2020		98.54	0.06	707.46	1	Groundwater Conservation District	Transducer		
P	4/18/2020		98.51	(0.03)	707.49	1	Groundwater Conservation District	Transducer		
P	4/19/2020		98.53	0.02	707.47	1	Groundwater Conservation District	Transducer		
P	4/20/2020		98.59	0.06	707.41	1	Groundwater Conservation District	Transducer		
P	4/21/2020		98.71	0.12	707.29	1	Groundwater Conservation District	Transducer		
P	4/22/2020		98.61	(0.10)	707.39	1	Groundwater Conservation District	Transducer		
P	4/23/2020		98.53	(0.08)	707.47	1	Groundwater Conservation District	Transducer		
P	4/24/2020		98.48	(0.05)	707.52	1	Groundwater Conservation District	Transducer		
P	4/25/2020		98.46	(0.02)	707.54	1	Groundwater Conservation District	Transducer		
P	4/26/2020		98.56	0.10	707.44	1	Groundwater Conservation District	Transducer		
P	4/27/2020		98.54	(0.02)	707.46	1	Groundwater Conservation District	Transducer		
P	4/28/2020		98.52	(0.02)	707.48	1	Groundwater Conservation District	Transducer		
P	4/29/2020		98.62	0.10	707.38	1	Groundwater Conservation District	Transducer		
P	4/30/2020		98.44	(0.18)	707.56	1	Groundwater Conservation District	Transducer		
P	5/1/2020		98.53	0.09	707.47	1	Groundwater Conservation District	Transducer		
P	5/2/2020		98.52	(0.01)	707.48	1	Groundwater Conservation District	Transducer		



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P	5/3/2020		98.5	(0.02)	707.5	1	Groundwater Conservation District	Transducer		
P	5/4/2020		98.57	0.07	707.43	1	Groundwater Conservation District	Transducer		
P	5/5/2020		98.59	0.02	707.41	1	Groundwater Conservation District	Transducer		
P	5/6/2020		98.57	(0.02)	707.43	1	Groundwater Conservation District	Transducer		
P	5/7/2020		98.49	(0.08)	707.51	1	Groundwater Conservation District	Transducer		
P	5/8/2020		98.7	0.21	707.3	1	Groundwater Conservation District	Transducer		
P	5/9/2020		98.52	(0.18)	707.48	1	Groundwater Conservation District	Transducer		
P	5/10/2020		98.67	0.15	707.33	1	Groundwater Conservation District	Transducer		
P	5/11/2020		98.62	(0.05)	707.38	1	Groundwater Conservation District	Transducer		
P	5/12/2020		98.61	(0.01)	707.39	1	Groundwater Conservation District	Transducer		
P	5/13/2020		98.54	(0.07)	707.46	1	Groundwater Conservation District	Transducer		
P	5/14/2020		98.61	0.07	707.39	1	Groundwater Conservation District	Transducer		
P	5/15/2020		98.65	0.04	707.35	1	Groundwater Conservation District	Transducer		
P	5/16/2020		98.56	(0.09)	707.44	1	Groundwater Conservation District	Transducer		
P	5/17/2020		98.55	(0.01)	707.45	1	Groundwater Conservation District	Transducer		
P	5/18/2020		98.64	0.09	707.36	1	Groundwater Conservation District	Transducer		
P	5/19/2020		98.67	0.03	707.33	1	Groundwater Conservation District	Transducer		
P	5/20/2020		98.7	0.03	707.3	1	Groundwater Conservation District	Transducer		
P	5/21/2020		98.6	(0.10)	707.4	1	Groundwater Conservation District	Transducer		
P	5/22/2020		98.7	0.10	707.3	1	Groundwater Conservation District	Transducer		
P	5/23/2020		98.68	(0.02)	707.32	1	Groundwater Conservation District	Transducer		
P	5/24/2020		98.79	0.11	707.21	1	Groundwater Conservation District	Transducer		
P	5/25/2020		98.64	(0.15)	707.36	1	Groundwater Conservation District	Transducer		
P	5/26/2020		98.69	0.05	707.31	1	Groundwater Conservation District	Transducer		
P	5/27/2020		98.59	(0.10)	707.41	1	Groundwater Conservation District	Transducer		
P	5/28/2020		98.57	(0.02)	707.43	1	Groundwater Conservation District	Transducer		
P	5/29/2020		98.61	0.04	707.39	1	Groundwater Conservation District	Transducer		

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P	5/30/2020		98.84	0.23	707.16	1	Groundwater Conservation District	Transducer		
P	5/31/2020		99.01	0.17	706.99	1	Groundwater Conservation District	Transducer		
P	6/1/2020		98.72	(0.29)	707.28	1	Groundwater Conservation District	Transducer		
P	6/2/2020		98.84	0.12	707.16	1	Groundwater Conservation District	Transducer		
P	6/3/2020		98.64	(0.20)	707.36	1	Groundwater Conservation District	Transducer		
P	6/4/2020		98.75	0.11	707.25	1	Groundwater Conservation District	Transducer		
P	6/5/2020		98.63	(0.12)	707.37	1	Groundwater Conservation District	Transducer		
P	6/6/2020		98.67	0.04	707.33	1	Groundwater Conservation District	Transducer		
P	6/7/2020		98.74	0.07	707.26	1	Groundwater Conservation District	Transducer		
P	6/8/2020		98.73	(0.01)	707.27	1	Groundwater Conservation District	Transducer		
P	6/9/2020		98.78	0.05	707.22	1	Groundwater Conservation District	Transducer		
P	6/10/2020		98.8	0.02	707.2	1	Groundwater Conservation District	Transducer		
P	6/11/2020		98.72	(0.08)	707.28	1	Groundwater Conservation District	Transducer		
P	6/12/2020		98.73	0.01	707.27	1	Groundwater Conservation District	Transducer		
P	6/13/2020		98.78	0.05	707.22	1	Groundwater Conservation District	Transducer		
P	6/14/2020		98.66	(0.12)	707.34	1	Groundwater Conservation District	Transducer		
P	6/15/2020		98.69	0.03	707.31	1	Groundwater Conservation District	Transducer		
P	6/16/2020		98.75	0.06	707.25	1	Groundwater Conservation District	Transducer		
P	6/17/2020		98.85	0.10	707.15	1	Groundwater Conservation District	Transducer		
P	6/18/2020		98.71	(0.14)	707.29	1	Groundwater Conservation District	Transducer		
P	6/19/2020		98.7	(0.01)	707.3	1	Groundwater Conservation District	Transducer		
P	6/20/2020		98.82	0.12	707.18	1	Groundwater Conservation District	Transducer		
P	6/21/2020		98.91	0.09	707.09	1	Groundwater Conservation District	Transducer		
P	6/22/2020		98.91	0.00	707.09	1	Groundwater Conservation District	Transducer		
P	6/23/2020		98.78	(0.13)	707.22	1	Groundwater Conservation District	Transducer		
P	6/24/2020		98.78	0.00	707.22	1	Groundwater Conservation District	Transducer		
P	6/25/2020		98.72	(0.06)	707.28	1	Groundwater Conservation District	Transducer		

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P	6/26/2020		98.78	0.06	707.22	1	Groundwater Conservation District	Transducer		
P	6/27/2020		98.75	(0.03)	707.25	1	Groundwater Conservation District	Transducer		
P	6/28/2020		98.76	0.01	707.24	1	Groundwater Conservation District	Transducer		
P	6/29/2020		98.78	0.02	707.22	1	Groundwater Conservation District	Transducer		
P	6/30/2020		98.83	0.05	707.17	1	Groundwater Conservation District	Transducer		
P	7/1/2020		98.75	(0.08)	707.25	1	Groundwater Conservation District	Transducer		
P	7/2/2020		98.79	0.04	707.21	1	Groundwater Conservation District	Transducer		
P	7/3/2020		98.8	0.01	707.2	1	Groundwater Conservation District	Transducer		
P	7/4/2020		98.79	(0.01)	707.21	1	Groundwater Conservation District	Transducer		
P	7/5/2020		98.86	0.07	707.14	1	Groundwater Conservation District	Transducer		
P	7/6/2020		98.99	0.13	707.01	1	Groundwater Conservation District	Transducer		
P	7/7/2020		98.83	(0.16)	707.17	1	Groundwater Conservation District	Transducer		
P	7/8/2020		98.91	0.08	707.09	1	Groundwater Conservation District	Transducer		
P	7/9/2020		98.93	0.02	707.07	1	Groundwater Conservation District	Transducer		
P	7/10/2020		99.08	0.15	706.92	1	Groundwater Conservation District	Transducer		
P	7/11/2020		99.02	(0.06)	706.98	1	Groundwater Conservation District	Transducer		
P	7/12/2020		99.22	0.20	706.78	1	Groundwater Conservation District	Transducer		
P	7/13/2020		99	(0.22)	707	1	Groundwater Conservation District	Transducer		
P	7/14/2020		99.06	0.06	706.94	1	Groundwater Conservation District	Transducer		
P	7/15/2020		99	(0.06)	707	1	Groundwater Conservation District	Transducer		
P	7/16/2020		99.14	0.14	706.86	1	Groundwater Conservation District	Transducer		
P	7/17/2020		99.14	0.00	706.86	1	Groundwater Conservation District	Transducer		
P	7/18/2020		99.28	0.14	706.72	1	Groundwater Conservation District	Transducer		
P	7/19/2020		99.13	(0.15)	706.87	1	Groundwater Conservation District	Transducer		
P	7/20/2020		99.28	0.15	706.72	1	Groundwater Conservation District	Transducer		
P	7/21/2020		99.23	(0.05)	706.77	1	Groundwater Conservation District	Transducer		
P	7/22/2020		99.34	0.11	706.66	1	Groundwater Conservation District	Transducer		

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P	7/23/2020		99.14	(0.20)	706.86	1	Groundwater Conservation District	Transducer		
P	7/24/2020		99.21	0.07	706.79	1	Groundwater Conservation District	Transducer		
P	7/25/2020		99.16	(0.05)	706.84	1	Groundwater Conservation District	Transducer		
P	7/26/2020		99.2	0.04	706.8	1	Groundwater Conservation District	Transducer		
P	7/27/2020		99.11	(0.09)	706.89	1	Groundwater Conservation District	Transducer		
P	7/28/2020		99.3	0.19	706.7	1	Groundwater Conservation District	Transducer		
P	7/29/2020		99.32	0.02	706.68	1	Groundwater Conservation District	Transducer		
P	7/30/2020		99.23	(0.09)	706.77	1	Groundwater Conservation District	Transducer		
P	7/31/2020		99.22	(0.01)	706.78	1	Groundwater Conservation District	Transducer		
P	8/1/2020		99.12	(0.10)	706.88	1	Groundwater Conservation District	Transducer		
P	8/2/2020		99.16	0.04	706.84	1	Groundwater Conservation District	Transducer		
P	8/3/2020		99.23	0.07	706.77	1	Groundwater Conservation District	Transducer		
P	8/4/2020		99.07	(0.16)	706.93	1	Groundwater Conservation District	Transducer		
P	8/5/2020		99.17	0.10	706.83	1	Groundwater Conservation District	Transducer		
P	8/6/2020		99.2	0.03	706.8	1	Groundwater Conservation District	Transducer		
P	8/7/2020		99.24	0.04	706.76	1	Groundwater Conservation District	Transducer		
P	8/8/2020		99.36	0.12	706.64	1	Groundwater Conservation District	Transducer		
P	8/9/2020		99.06	(0.30)	706.94	1	Groundwater Conservation District	Transducer		
P	8/10/2020		99.34	0.28	706.66	1	Groundwater Conservation District	Transducer		
P	8/11/2020		99.37	0.03	706.63	1	Groundwater Conservation District	Transducer		
P	8/12/2020		99.52	0.15	706.48	1	Groundwater Conservation District	Transducer		
P	8/13/2020		99.44	(0.08)	706.56	1	Groundwater Conservation District	Transducer		
P	8/14/2020		99.37	(0.07)	706.63	1	Groundwater Conservation District	Transducer		
P	8/15/2020		99.33	(0.04)	706.67	1	Groundwater Conservation District	Transducer		
P	8/16/2020		99.35	0.02	706.65	1	Groundwater Conservation District	Transducer		
P	8/17/2020		99.33	(0.02)	706.67	1	Groundwater Conservation District	Transducer		
P	8/18/2020		99.52	0.19	706.48	1	Groundwater Conservation District	Transducer		

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P	8/19/2020		99.37	(0.15)	706.63	1	Groundwater Conservation District	Transducer		
P	8/20/2020		99.4	0.03	706.6	1	Groundwater Conservation District	Transducer		
P	8/21/2020		99.5	0.10	706.5	1	Groundwater Conservation District	Transducer		
P	8/22/2020		99.38	(0.12)	706.62	1	Groundwater Conservation District	Transducer		
P	8/23/2020		99.25	(0.13)	706.75	1	Groundwater Conservation District	Transducer		
P	8/24/2020		99.32	0.07	706.68	1	Groundwater Conservation District	Transducer		
P	8/25/2020		99.33	0.01	706.67	1	Groundwater Conservation District	Transducer		
P	8/26/2020		99.35	0.02	706.65	1	Groundwater Conservation District	Transducer		
P	8/27/2020		99.55	0.20	706.45	1	Groundwater Conservation District	Transducer		
P	8/28/2020		99.39	(0.16)	706.61	1	Groundwater Conservation District	Transducer		
P	8/29/2020		99.38	(0.01)	706.62	1	Groundwater Conservation District	Transducer		
P	8/30/2020		99.64	0.26	706.36	1	Groundwater Conservation District	Transducer		
P	8/31/2020		99.6	(0.04)	706.4	1	Groundwater Conservation District	Transducer		
P	9/1/2020		99.5	(0.10)	706.5	1	Groundwater Conservation District	Transducer		
P	9/2/2020		99.73	0.23	706.27	1	Groundwater Conservation District	Transducer		
P	9/3/2020		99.46	(0.27)	706.54	1	Groundwater Conservation District	Transducer		
P	9/4/2020		99.47	0.01	706.53	1	Groundwater Conservation District	Transducer		
P	9/5/2020		99.4	(0.07)	706.6	1	Groundwater Conservation District	Transducer		
P	9/6/2020		99.46	0.06	706.54	1	Groundwater Conservation District	Transducer		
P	9/7/2020		99.68	0.22	706.32	1	Groundwater Conservation District	Transducer		
P	9/8/2020		99.56	(0.12)	706.44	1	Groundwater Conservation District	Transducer		
P	9/9/2020		99.4	(0.16)	706.6	1	Groundwater Conservation District	Transducer		
P	9/10/2020		99.3	(0.10)	706.7	1	Groundwater Conservation District	Transducer		
P	9/11/2020		99.34	0.04	706.66	1	Groundwater Conservation District	Transducer		
P	9/12/2020		99.34	0.00	706.66	1	Groundwater Conservation District	Transducer		
P	9/13/2020		99.55	0.21	706.45	1	Groundwater Conservation District	Transducer		
P	9/14/2020		99.44	(0.11)	706.56	1	Groundwater Conservation District	Transducer		

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P	9/15/2020		99.42	(0.02)	706.58	1	Groundwater Conservation District	Transducer		
P	9/16/2020		99.49	0.07	706.51	1	Groundwater Conservation District	Transducer		
P	9/17/2020		99.48	(0.01)	706.52	1	Groundwater Conservation District	Transducer		
P	9/18/2020		99.42	(0.06)	706.58	1	Groundwater Conservation District	Transducer		
P	9/19/2020		99.43	0.01	706.57	1	Groundwater Conservation District	Transducer		
P	9/20/2020		99.42	(0.01)	706.58	1	Groundwater Conservation District	Transducer		
P	9/21/2020		99.46	0.04	706.54	1	Groundwater Conservation District	Transducer		
P	9/22/2020		99.43	(0.03)	706.57	1	Groundwater Conservation District	Transducer		
P	9/23/2020		99.39	(0.04)	706.61	1	Groundwater Conservation District	Transducer		
P	9/24/2020		99.39	0.00	706.61	1	Groundwater Conservation District	Transducer		
P	9/25/2020		99.45	0.06	706.55	1	Groundwater Conservation District	Transducer		
P	9/26/2020		99.43	(0.02)	706.57	1	Groundwater Conservation District	Transducer		
P	9/27/2020		99.57	0.14	706.43	1	Groundwater Conservation District	Transducer		
P	9/28/2020		99.44	(0.13)	706.56	1	Groundwater Conservation District	Transducer		
P	9/29/2020		99.27	(0.17)	706.73	1	Groundwater Conservation District	Transducer		
P	9/30/2020		99.37	0.10	706.63	1	Groundwater Conservation District	Transducer		
P	10/1/2020		99.48	0.11	706.52	1	Groundwater Conservation District	Transducer		
P	10/2/2020		99.47	(0.01)	706.53	1	Groundwater Conservation District	Transducer		
P	10/3/2020		99.46	(0.01)	706.54	1	Groundwater Conservation District	Transducer		
P	10/4/2020		99.36	(0.10)	706.64	1	Groundwater Conservation District	Transducer		
P	10/5/2020		99.5	0.14	706.5	1	Groundwater Conservation District	Transducer		
P	10/6/2020		99.6	0.10	706.4	1	Groundwater Conservation District	Transducer		
P	10/7/2020		99.49	(0.11)	706.51	1	Groundwater Conservation District	Transducer		
P	10/8/2020		99.5	0.01	706.5	1	Groundwater Conservation District	Transducer		
P	10/9/2020		99.49	(0.01)	706.51	1	Groundwater Conservation District	Transducer		
P	10/10/2020		99.56	0.07	706.44	1	Groundwater Conservation District	Transducer		
P	10/11/2020		99.62	0.06	706.38	1	Groundwater Conservation District	Transducer		



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P	10/12/2020		99.58	(0.04)	706.42	1	Groundwater Conservation District	Transducer		
P	10/13/2020		99.77	0.19	706.23	1	Groundwater Conservation District	Transducer		
P	10/14/2020		99.52	(0.25)	706.48	1	Groundwater Conservation District	Transducer		
P	10/15/2020		99.65	0.13	706.35	1	Groundwater Conservation District	Transducer		
P	10/16/2020		99.48	(0.17)	706.52	1	Groundwater Conservation District	Transducer		
P	10/17/2020		99.58	0.10	706.42	1	Groundwater Conservation District	Transducer		
P	10/18/2020		99.65	0.07	706.35	1	Groundwater Conservation District	Transducer		
P	10/19/2020		99.62	(0.03)	706.38	1	Groundwater Conservation District	Transducer		
P	10/20/2020		99.63	0.01	706.37	1	Groundwater Conservation District	Transducer		
P	10/21/2020		99.72	0.09	706.28	1	Groundwater Conservation District	Transducer		
P	10/22/2020		99.51	(0.21)	706.49	1	Groundwater Conservation District	Transducer		
P	10/23/2020		99.55	0.04	706.45	1	Groundwater Conservation District	Transducer		
P	10/24/2020		99.57	0.02	706.43	1	Groundwater Conservation District	Transducer		
P	10/25/2020		99.55	(0.02)	706.45	1	Groundwater Conservation District	Transducer		
P	10/26/2020		99.63	0.08	706.37	1	Groundwater Conservation District	Transducer		
P	10/27/2020		99.46	(0.17)	706.54	1	Groundwater Conservation District	Transducer		
P	10/28/2020		99.56	0.10	706.44	1	Groundwater Conservation District	Transducer		
P	10/29/2020		99.62	0.06	706.38	1	Groundwater Conservation District	Transducer		
P	10/30/2020		99.41	(0.21)	706.59	1	Groundwater Conservation District	Transducer		
P	10/31/2020		99.52	0.11	706.48	1	Groundwater Conservation District	Transducer		
P	11/1/2020		99.49	(0.03)	706.51	1	Groundwater Conservation District	Transducer		
P	11/2/2020		99.46	(0.03)	706.54	1	Groundwater Conservation District	Transducer		
P	11/3/2020		99.47	0.01	706.53	1	Groundwater Conservation District	Transducer		
P	11/4/2020		99.52	0.05	706.48	1	Groundwater Conservation District	Transducer		
P	11/5/2020		99.43	(0.09)	706.57	1	Groundwater Conservation District	Transducer		
P	11/6/2020		99.42	(0.01)	706.58	1	Groundwater Conservation District	Transducer		
P	11/7/2020		99.42	0.00	706.58	1	Groundwater Conservation District	Transducer		

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P	11/8/2020		99.56	0.14	706.44	1	Groundwater Conservation District	Transducer		
P	11/9/2020		99.53	(0.03)	706.47	1	Groundwater Conservation District	Transducer		
P	11/10/2020		99.44	(0.09)	706.56	1	Groundwater Conservation District	Transducer		
P	11/11/2020		99.48	0.04	706.52	1	Groundwater Conservation District	Transducer		
P	11/12/2020		99.43	(0.05)	706.57	1	Groundwater Conservation District	Transducer		
P	11/13/2020		99.5	0.07	706.5	1	Groundwater Conservation District	Transducer		
P	11/14/2020		99.49	(0.01)	706.51	1	Groundwater Conservation District	Transducer		
P	11/15/2020		99.39	(0.10)	706.61	1	Groundwater Conservation District	Transducer		
P	11/16/2020		99.34	(0.05)	706.66	1	Groundwater Conservation District	Transducer		
P	11/17/2020		99.42	0.08	706.58	1	Groundwater Conservation District	Transducer		
P	11/18/2020		99.41	(0.01)	706.59	1	Groundwater Conservation District	Transducer		
P	11/19/2020		99.43	0.02	706.57	1	Groundwater Conservation District	Transducer		
P	11/20/2020		99.39	(0.04)	706.61	1	Groundwater Conservation District	Transducer		
P	11/21/2020		99.43	0.04	706.57	1	Groundwater Conservation District	Transducer		
P	11/22/2020		99.52	0.09	706.48	1	Groundwater Conservation District	Transducer		
P	11/23/2020		99.56	0.04	706.44	1	Groundwater Conservation District	Transducer		
P	11/24/2020		99.61	0.05	706.39	1	Groundwater Conservation District	Transducer		
P	11/25/2020		99.57	(0.04)	706.43	1	Groundwater Conservation District	Transducer		
P	11/26/2020		99.6	0.03	706.4	1	Groundwater Conservation District	Transducer		
P	11/27/2020		99.59	(0.01)	706.41	1	Groundwater Conservation District	Transducer		
P	11/28/2020		99.63	0.04	706.37	1	Groundwater Conservation District	Transducer		
P	11/29/2020		99.47	(0.16)	706.53	1	Groundwater Conservation District	Transducer		
P	11/30/2020		99.5	0.03	706.5	1	Groundwater Conservation District	Transducer		
P	12/1/2020		99.55	0.05	706.45	1	Groundwater Conservation District	Transducer		
P	12/2/2020		99.45	(0.10)	706.55	1	Groundwater Conservation District	Transducer		
P	12/3/2020		99.39	(0.06)	706.61	1	Groundwater Conservation District	Transducer		
P	12/4/2020		99.47	0.08	706.53	1	Groundwater Conservation District	Transducer		

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P	12/5/2020		99.45	(0.02)	706.55	1	Groundwater Conservation District	Transducer		
P	12/6/2020		99.5	0.05	706.5	1	Groundwater Conservation District	Transducer		
P	12/7/2020		99.44	(0.06)	706.56	1	Groundwater Conservation District	Transducer		
P	12/8/2020		99.46	0.02	706.54	1	Groundwater Conservation District	Transducer		
P	12/9/2020		99.49	0.03	706.51	1	Groundwater Conservation District	Transducer		
P	12/10/2020		99.48	(0.01)	706.52	1	Groundwater Conservation District	Transducer		
P	12/11/2020		99.51	0.03	706.49	1	Groundwater Conservation District	Transducer		
P	12/12/2020		99.55	0.04	706.45	1	Groundwater Conservation District	Transducer		
P	12/13/2020		99.4	(0.15)	706.6	1	Groundwater Conservation District	Transducer		
P	12/14/2020		99.54	0.14	706.46	1	Groundwater Conservation District	Transducer		
P	12/15/2020		99.38	(0.16)	706.62	1	Groundwater Conservation District	Transducer		
P	12/16/2020		99.45	0.07	706.55	1	Groundwater Conservation District	Transducer		
P	12/17/2020		99.44	(0.01)	706.56	1	Groundwater Conservation District	Transducer		
P	12/18/2020		99.53	0.09	706.47	1	Groundwater Conservation District	Transducer		
P	12/19/2020		99.46	(0.07)	706.54	1	Groundwater Conservation District	Transducer		
P	12/20/2020		99.54	0.08	706.46	1	Groundwater Conservation District	Transducer		
P	12/21/2020		99.41	(0.13)	706.59	1	Groundwater Conservation District	Transducer		
P	12/22/2020		99.61	0.20	706.39	1	Groundwater Conservation District	Transducer		
P	12/23/2020		99.42	(0.19)	706.58	1	Groundwater Conservation District	Transducer		
P	12/24/2020		99.47	0.05	706.53	1	Groundwater Conservation District	Transducer		
P	12/25/2020		99.47	0.00	706.53	1	Groundwater Conservation District	Transducer		
P	12/26/2020		99.49	0.02	706.51	1	Groundwater Conservation District	Transducer		
P	12/27/2020		99.51	0.02	706.49	1	Groundwater Conservation District	Transducer		
P	12/28/2020		99.55	0.04	706.45	1	Groundwater Conservation District	Transducer		
P	12/29/2020		99.66	0.11	706.34	1	Groundwater Conservation District	Transducer		
P	12/30/2020		99.62	(0.04)	706.38	1	Groundwater Conservation District	Transducer		
P	12/31/2020		99.58	(0.04)	706.42	1	Groundwater Conservation District	Transducer		

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P	1/1/2021		99.45	(0.13)	706.55	1	Groundwater Conservation District	Transducer		
P	1/2/2021		99.48	0.03	706.52	1	Groundwater Conservation District	Transducer		
P	1/3/2021		99.64	0.16	706.36	1	Groundwater Conservation District	Transducer		
P	1/4/2021		99.63	(0.01)	706.37	1	Groundwater Conservation District	Transducer		
P	1/5/2021		99.58	(0.05)	706.42	1	Groundwater Conservation District	Transducer		
P	1/6/2021		99.52	(0.06)	706.48	1	Groundwater Conservation District	Transducer		
P	1/7/2021		99.46	(0.06)	706.54	1	Groundwater Conservation District	Transducer		
P	1/8/2021		99.52	0.06	706.48	1	Groundwater Conservation District	Transducer		
P	1/9/2021		99.47	(0.05)	706.53	1	Groundwater Conservation District	Transducer		
P	1/10/2021		99.43	(0.04)	706.57	1	Groundwater Conservation District	Transducer		
P	1/11/2021		99.5	0.07	706.5	1	Groundwater Conservation District	Transducer		
P	1/12/2021		99.52	0.02	706.48	1	Groundwater Conservation District	Transducer		
P	1/13/2021		99.52	0.00	706.48	1	Groundwater Conservation District	Transducer		
P	1/14/2021		99.49	(0.03)	706.51	1	Groundwater Conservation District	Transducer		
P	1/15/2021		99.49	0.00	706.51	1	Groundwater Conservation District	Transducer		
P	1/16/2021		99.44	(0.05)	706.56	1	Groundwater Conservation District	Transducer		
P	1/17/2021		99.56	0.12	706.44	1	Groundwater Conservation District	Transducer		
P	1/18/2021		99.57	0.01	706.43	1	Groundwater Conservation District	Transducer		
P	1/19/2021		99.44	(0.13)	706.56	1	Groundwater Conservation District	Transducer		
P	1/20/2021		99.56	0.12	706.44	1	Groundwater Conservation District	Transducer		
P	1/21/2021		99.56	0.00	706.44	1	Groundwater Conservation District	Transducer		
P	1/22/2021		99.48	(0.08)	706.52	1	Groundwater Conservation District	Transducer		
P	1/23/2021		99.5	0.02	706.5	1	Groundwater Conservation District	Transducer		
P	1/24/2021		99.65	0.15	706.35	1	Groundwater Conservation District	Transducer		
P	1/25/2021		99.55	(0.10)	706.45	1	Groundwater Conservation District	Transducer		
P	1/26/2021		99.52	(0.03)	706.48	1	Groundwater Conservation District	Transducer		
P	1/27/2021		99.47	(0.05)	706.53	1	Groundwater Conservation District	Transducer		

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P	1/28/2021		99.51	0.04	706.49	1	Groundwater Conservation District	Transducer		
P	1/29/2021		99.57	0.06	706.43	1	Groundwater Conservation District	Transducer		
P	1/30/2021		99.5	(0.07)	706.5	1	Groundwater Conservation District	Transducer		
P	1/31/2021		99.55	0.05	706.45	1	Groundwater Conservation District	Transducer		
P	2/1/2021		99.58	0.03	706.42	1	Groundwater Conservation District	Transducer		
P	2/2/2021		99.55	(0.03)	706.45	1	Groundwater Conservation District	Transducer		
P	2/3/2021		99.54	(0.01)	706.46	1	Groundwater Conservation District	Transducer		
P	2/4/2021		99.42	(0.12)	706.58	1	Groundwater Conservation District	Transducer		
P	2/5/2021		99.58	0.16	706.42	1	Groundwater Conservation District	Transducer		
P	2/6/2021		99.42	(0.16)	706.58	1	Groundwater Conservation District	Transducer		
P	2/7/2021		99.66	0.24	706.34	1	Groundwater Conservation District	Transducer		
P	2/8/2021		99.52	(0.14)	706.48	1	Groundwater Conservation District	Transducer		
P	2/9/2021		99.52	0.00	706.48	1	Groundwater Conservation District	Transducer		
P	2/10/2021		99.47	(0.05)	706.53	1	Groundwater Conservation District	Transducer		
P	2/11/2021		99.51	0.04	706.49	1	Groundwater Conservation District	Transducer		
P	2/12/2021		99.58	0.07	706.42	1	Groundwater Conservation District	Transducer		
P	2/13/2021		99.45	(0.13)	706.55	1	Groundwater Conservation District	Transducer		
P	2/14/2021		99.47	0.02	706.53	1	Groundwater Conservation District	Transducer		
P	2/15/2021		99.54	0.07	706.46	1	Groundwater Conservation District	Transducer		
P	2/16/2021		99.59	0.05	706.41	1	Groundwater Conservation District	Transducer		
P	2/17/2021		99.73	0.14	706.27	1	Groundwater Conservation District	Transducer		
P	2/18/2021		99.64	(0.09)	706.36	1	Groundwater Conservation District	Transducer		
P	2/19/2021		99.78	0.14	706.22	1	Groundwater Conservation District	Transducer		
P	2/20/2021		99.73	(0.05)	706.27	1	Groundwater Conservation District	Transducer		
P	2/21/2021		99.84	0.11	706.16	1	Groundwater Conservation District	Transducer		
P	2/22/2021		99.68	(0.16)	706.32	1	Groundwater Conservation District	Transducer		
P	2/23/2021		99.71	0.03	706.29	1	Groundwater Conservation District	Transducer		

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P	2/24/2021		99.78	0.07	706.22	1	Groundwater Conservation District	Transducer		
P	2/25/2021		99.65	(0.13)	706.35	1	Groundwater Conservation District	Transducer		
P	2/26/2021		99.58	(0.07)	706.42	1	Groundwater Conservation District	Transducer		
P	2/27/2021		99.56	(0.02)	706.44	1	Groundwater Conservation District	Transducer		
P	2/28/2021		99.68	0.12	706.32	1	Groundwater Conservation District	Transducer		
P	3/1/2021		99.38	(0.30)	706.62	1	Groundwater Conservation District	Transducer		
P	3/2/2021		99.51	0.13	706.49	1	Groundwater Conservation District	Transducer		
P	3/3/2021		99.49	(0.02)	706.51	1	Groundwater Conservation District	Transducer		
P	3/4/2021		99.57	0.08	706.43	1	Groundwater Conservation District	Transducer		
P	3/5/2021		99.65	0.08	706.35	1	Groundwater Conservation District	Transducer		
P	3/6/2021		99.65	0.00	706.35	1	Groundwater Conservation District	Transducer		
P	3/7/2021		99.7	0.05	706.3	1	Groundwater Conservation District	Transducer		
P	3/8/2021		99.66	(0.04)	706.34	1	Groundwater Conservation District	Transducer		
P	3/9/2021		99.7	0.04	706.3	1	Groundwater Conservation District	Transducer		
P	3/10/2021		99.84	0.14	706.16	1	Groundwater Conservation District	Transducer		
P	3/11/2021		99.87	0.03	706.13	1	Groundwater Conservation District	Transducer		
P	3/12/2021		99.86	(0.01)	706.14	1	Groundwater Conservation District	Transducer		
P	3/13/2021		99.76	(0.10)	706.24	1	Groundwater Conservation District	Transducer		
P	3/15/2021		99.82	0.06	706.18	1	Groundwater Conservation District	Transducer		
P	3/16/2021		99.65	(0.17)	706.35	1	Groundwater Conservation District	Transducer		
P	3/17/2021		99.61	(0.04)	706.39	1	Groundwater Conservation District	Transducer		
P	3/18/2021		99.67	0.06	706.33	1	Groundwater Conservation District	Transducer		
P	3/19/2021		99.61	(0.06)	706.39	1	Groundwater Conservation District	Transducer		
P	3/20/2021		99.68	0.07	706.32	1	Groundwater Conservation District	Transducer		
P	3/21/2021		99.74	0.06	706.26	1	Groundwater Conservation District	Transducer		
P	3/22/2021		99.9	0.16	706.1	1	Groundwater Conservation District	Transducer		
P	3/23/2021		99.92	0.02	706.08	1	Groundwater Conservation District	Transducer		



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P	3/24/2021		99.9	(0.02)	706.1	1	Groundwater Conservation District	Transducer		
P	3/25/2021		100.06	0.16	705.94	1	Groundwater Conservation District	Transducer		
P	3/26/2021		100.04	(0.02)	705.96	1	Groundwater Conservation District	Transducer		
P	3/27/2021		100.11	0.07	705.89	1	Groundwater Conservation District	Transducer		
P	3/28/2021		100.11	0.00	705.89	1	Groundwater Conservation District	Transducer		
P	3/29/2021		100.09	(0.02)	705.91	1	Groundwater Conservation District	Transducer		
P	3/30/2021		100.05	(0.04)	705.95	1	Groundwater Conservation District	Transducer		
P	3/31/2021		99.94	(0.11)	706.06	1	Groundwater Conservation District	Transducer		
P	4/1/2021		99.94	0.00	706.06	1	Groundwater Conservation District	Transducer		
P	4/2/2021		99.86	(0.08)	706.14	1	Groundwater Conservation District	Transducer		
P	4/3/2021		99.82	(0.04)	706.18	1	Groundwater Conservation District	Transducer		
P	4/4/2021		99.88	0.06	706.12	1	Groundwater Conservation District	Transducer		
P	4/5/2021		100.07	0.19	705.93	1	Groundwater Conservation District	Transducer		
P	4/6/2021		99.98	(0.09)	706.02	1	Groundwater Conservation District	Transducer		
P	4/7/2021		100.02	0.04	705.98	1	Groundwater Conservation District	Transducer		
P	4/8/2021		99.86	(0.16)	706.14	1	Groundwater Conservation District	Transducer		
P	4/9/2021		100.07	0.21	705.93	1	Groundwater Conservation District	Transducer		
P	4/10/2021		100.05	(0.02)	705.95	1	Groundwater Conservation District	Transducer		
P	4/11/2021		100.01	(0.04)	705.99	1	Groundwater Conservation District	Transducer		
P	4/12/2021		100.12	0.11	705.88	1	Groundwater Conservation District	Transducer		
P	4/13/2021		100.13	0.01	705.87	1	Groundwater Conservation District	Transducer		
P	4/14/2021		100	(0.13)	706	1	Groundwater Conservation District	Transducer		
P	4/15/2021		100.11	0.11	705.89	1	Groundwater Conservation District	Transducer		
P	4/16/2021		100.09	(0.02)	705.91	1	Groundwater Conservation District	Transducer		
P	4/17/2021		99.98	(0.11)	706.02	1	Groundwater Conservation District	Transducer		
P	4/18/2021		99.91	(0.07)	706.09	1	Groundwater Conservation District	Transducer		
P	4/19/2021		99.98	0.07	706.02	1	Groundwater Conservation District	Transducer		

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P	4/20/2021		99.92	(0.06)	706.08	1	Groundwater Conservation District	Transducer		
P	4/21/2021		99.84	(0.08)	706.16	1	Groundwater Conservation District	Transducer		
P	4/22/2021		100.07	0.23	705.93	1	Groundwater Conservation District	Transducer		
P	4/23/2021		99.98	(0.09)	706.02	1	Groundwater Conservation District	Transducer		
P	4/24/2021		99.99	0.01	706.01	1	Groundwater Conservation District	Transducer		
P	4/25/2021		99.91	(0.08)	706.09	1	Groundwater Conservation District	Transducer		
P	4/26/2021		99.91	0.00	706.09	1	Groundwater Conservation District	Transducer		
P	4/27/2021		99.98	0.07	706.02	1	Groundwater Conservation District	Transducer		
P	4/28/2021		99.98	0.00	706.02	1	Groundwater Conservation District	Transducer		
P	4/29/2021		100.07	0.09	705.93	1	Groundwater Conservation District	Transducer		
P	4/30/2021		99.88	(0.19)	706.12	1	Groundwater Conservation District	Transducer		
P	5/1/2021		99.94	0.06	706.06	1	Groundwater Conservation District	Transducer		
P	5/2/2021		99.96	0.02	706.04	1	Groundwater Conservation District	Transducer		
P	5/3/2021		100.01	0.05	705.99	1	Groundwater Conservation District	Transducer		
P	5/4/2021		100.08	0.07	705.92	1	Groundwater Conservation District	Transducer		
P	5/5/2021		100.18	0.10	705.82	1	Groundwater Conservation District	Transducer		
P	5/6/2021		100.07	(0.11)	705.93	1	Groundwater Conservation District	Transducer		
P	5/7/2021		100.09	0.02	705.91	1	Groundwater Conservation District	Transducer		
P	5/8/2021		100.21	0.12	705.79	1	Groundwater Conservation District	Transducer		
P	5/9/2021		100.2	(0.01)	705.8	1	Groundwater Conservation District	Transducer		
P	5/10/2021		100.25	0.05	705.75	1	Groundwater Conservation District	Transducer		
P	5/11/2021		100.22	(0.03)	705.78	1	Groundwater Conservation District	Transducer		
P	5/12/2021		100.14	(0.08)	705.86	1	Groundwater Conservation District	Transducer		
P	5/13/2021		100.2	0.06	705.8	1	Groundwater Conservation District	Transducer		
P	5/14/2021		100.34	0.14	705.66	1	Groundwater Conservation District	Transducer		
P	5/15/2021		100.32	(0.02)	705.68	1	Groundwater Conservation District	Transducer		
P	5/16/2021		100.29	(0.03)	705.71	1	Groundwater Conservation District	Transducer		

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P	5/17/2021		100.31	0.02	705.69	1	Groundwater Conservation District	Transducer		
P	5/18/2021		100.36	0.05	705.64	1	Groundwater Conservation District	Transducer		
P	5/19/2021		100.31	(0.05)	705.69	1	Groundwater Conservation District	Transducer		
P	5/20/2021		100.45	0.14	705.55	1	Groundwater Conservation District	Transducer		
P	5/21/2021		100.45	0.00	705.55	1	Groundwater Conservation District	Transducer		
P	5/22/2021		100.37	(0.08)	705.63	1	Groundwater Conservation District	Transducer		
P	5/23/2021		100.48	0.11	705.52	1	Groundwater Conservation District	Transducer		
P	5/24/2021		100.54	0.06	705.46	1	Groundwater Conservation District	Transducer		
P	5/25/2021		100.56	0.02	705.44	1	Groundwater Conservation District	Transducer		
P	5/26/2021		100.51	(0.05)	705.49	1	Groundwater Conservation District	Transducer		
P	5/27/2021		100.6	0.09	705.4	1	Groundwater Conservation District	Transducer		
P	5/28/2021		100.45	(0.15)	705.55	1	Groundwater Conservation District	Transducer		
P	5/29/2021		100.2	(0.25)	705.8	1	Groundwater Conservation District	Transducer		
P	5/30/2021		100.26	0.06	705.74	1	Groundwater Conservation District	Transducer		
P	5/31/2021		100.26	0.00	705.74	1	Groundwater Conservation District	Transducer		
P	6/1/2021		100.2	(0.06)	705.8	1	Groundwater Conservation District	Transducer		
P	6/2/2021		100.17	(0.03)	705.83	1	Groundwater Conservation District	Transducer		
P	6/3/2021		100.31	0.14	705.69	1	Groundwater Conservation District	Transducer		
P	6/4/2021		100.04	(0.27)	705.96	1	Groundwater Conservation District	Transducer		
P	6/5/2021		100.1	0.06	705.9	1	Groundwater Conservation District	Transducer		
P	6/6/2021		100.09	(0.01)	705.91	1	Groundwater Conservation District	Transducer		
P	6/7/2021		100.19	0.10	705.81	1	Groundwater Conservation District	Transducer		
P	6/8/2021		100.06	(0.13)	705.94	1	Groundwater Conservation District	Transducer		
P	6/9/2021		99.97	(0.09)	706.03	1	Groundwater Conservation District	Transducer		
P	6/10/2021		99.97	0.00	706.03	1	Groundwater Conservation District	Transducer		
P	6/11/2021		100.02	0.05	705.98	1	Groundwater Conservation District	Transducer		
P	6/12/2021		99.96	(0.06)	706.04	1	Groundwater Conservation District	Transducer		

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P	6/13/2021		100.07	0.11	705.93	1	Groundwater Conservation District	Transducer		
P	6/14/2021		100.01	(0.06)	705.99	1	Groundwater Conservation District	Transducer		
P	6/15/2021		99.96	(0.05)	706.04	1	Groundwater Conservation District	Transducer		
P	6/16/2021		99.98	0.02	706.02	1	Groundwater Conservation District	Transducer		
P	6/17/2021		100.14	0.16	705.86	1	Groundwater Conservation District	Transducer		
P	6/18/2021		100.01	(0.13)	705.99	1	Groundwater Conservation District	Transducer		
P	6/19/2021		99.95	(0.06)	706.05	1	Groundwater Conservation District	Transducer		
P	6/20/2021		100.11	0.16	705.89	1	Groundwater Conservation District	Transducer		
P	6/21/2021		100.15	0.04	705.85	1	Groundwater Conservation District	Transducer		
P	6/22/2021		100.04	(0.11)	705.96	1	Groundwater Conservation District	Transducer		
P	6/23/2021		99.95	(0.09)	706.05	1	Groundwater Conservation District	Transducer		
P	6/24/2021		99.98	0.03	706.02	1	Groundwater Conservation District	Transducer		
P	6/25/2021		100.02	0.04	705.98	1	Groundwater Conservation District	Transducer		
P	6/26/2021		100.05	0.03	705.95	1	Groundwater Conservation District	Transducer		
P	6/27/2021		99.92	(0.13)	706.08	1	Groundwater Conservation District	Transducer		
P	6/28/2021		99.9	(0.02)	706.1	1	Groundwater Conservation District	Transducer		
P	6/29/2021		99.99	0.09	706.01	1	Groundwater Conservation District	Transducer		
P	6/30/2021		99.89	(0.10)	706.11	1	Groundwater Conservation District	Transducer		
P	7/1/2021		100.03	0.14	705.97	1	Groundwater Conservation District	Transducer		
P	7/2/2021		100.02	(0.01)	705.98	1	Groundwater Conservation District	Transducer		
P	7/3/2021		99.95	(0.07)	706.05	1	Groundwater Conservation District	Transducer		
P	7/4/2021		99.94	(0.01)	706.06	1	Groundwater Conservation District	Transducer		
P	7/5/2021		100.05	0.11	705.95	1	Groundwater Conservation District	Transducer		
P	7/6/2021		99.92	(0.13)	706.08	1	Groundwater Conservation District	Transducer		
P	7/7/2021		99.85	(0.07)	706.15	1	Groundwater Conservation District	Transducer		
P	7/8/2021		99.96	0.11	706.04	1	Groundwater Conservation District	Transducer		
P	7/9/2021		99.88	(0.08)	706.12	1	Groundwater Conservation District	Transducer		

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P	7/10/2021		99.9	0.02	706.1	1	Groundwater Conservation District	Transducer		
P	7/11/2021		99.87	(0.03)	706.13	1	Groundwater Conservation District	Transducer		
P	7/12/2021		99.97	0.10	706.03	1	Groundwater Conservation District	Transducer		
P	7/13/2021		99.98	0.01	706.02	1	Groundwater Conservation District	Transducer		
P	7/14/2021		99.91	(0.07)	706.09	1	Groundwater Conservation District	Transducer		
P	7/15/2021		99.92	0.01	706.08	1	Groundwater Conservation District	Transducer		
P	7/16/2021		99.91	(0.01)	706.09	1	Groundwater Conservation District	Transducer		
P	7/17/2021		99.9	(0.01)	706.1	1	Groundwater Conservation District	Transducer		
P	7/18/2021		100.06	0.16	705.94	1	Groundwater Conservation District	Transducer		
P	7/19/2021		99.98	(0.08)	706.02	1	Groundwater Conservation District	Transducer		
P	7/20/2021		99.99	0.01	706.01	1	Groundwater Conservation District	Transducer		
P	7/21/2021		100.09	0.10	705.91	1	Groundwater Conservation District	Transducer		
P	7/22/2021		99.99	(0.10)	706.01	1	Groundwater Conservation District	Transducer		
P	7/23/2021		99.93	(0.06)	706.07	1	Groundwater Conservation District	Transducer		
P	7/24/2021		100.13	0.20	705.87	1	Groundwater Conservation District	Transducer		
P	7/25/2021		99.96	(0.17)	706.04	1	Groundwater Conservation District	Transducer		
P	7/26/2021		100.12	0.16	705.88	1	Groundwater Conservation District	Transducer		
P	7/27/2021		100.03	(0.09)	705.97	1	Groundwater Conservation District	Transducer		
P	7/28/2021		100.06	0.03	705.94	1	Groundwater Conservation District	Transducer		
P	7/29/2021		100.21	0.15	705.79	1	Groundwater Conservation District	Transducer		
P	7/30/2021		100.13	(0.08)	705.87	1	Groundwater Conservation District	Transducer		
P	7/31/2021		100.15	0.02	705.85	1	Groundwater Conservation District	Transducer		
P	8/1/2021		100.06	(0.09)	705.94	1	Groundwater Conservation District	Transducer		
P	8/2/2021		100.05	(0.01)	705.95	1	Groundwater Conservation District	Transducer		
P	8/3/2021		100.13	0.08	705.87	1	Groundwater Conservation District	Transducer		
P	8/4/2021		100	(0.13)	706	1	Groundwater Conservation District	Transducer		
P	8/5/2021		100.01	0.01	705.99	1	Groundwater Conservation District	Transducer		

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P	8/6/2021		99.99	(0.02)	706.01	1	Groundwater Conservation District	Transducer		
P	8/7/2021		100.04	0.05	705.96	1	Groundwater Conservation District	Transducer		
P	8/8/2021		100.06	0.02	705.94	1	Groundwater Conservation District	Transducer		
P	8/9/2021		100.28	0.22	705.72	1	Groundwater Conservation District	Transducer		
P	8/10/2021		100.01	(0.27)	705.99	1	Groundwater Conservation District	Transducer		
P	8/11/2021		100.15	0.14	705.85	1	Groundwater Conservation District	Transducer		
P	8/12/2021		100.22	0.07	705.78	1	Groundwater Conservation District	Transducer		
P	8/13/2021		100.08	(0.14)	705.92	1	Groundwater Conservation District	Transducer		
P	8/14/2021		100.01	(0.07)	705.99	1	Groundwater Conservation District	Transducer		
P	8/15/2021		100.04	0.03	705.96	1	Groundwater Conservation District	Transducer		
P	8/16/2021		100.15	0.11	705.85	1	Groundwater Conservation District	Transducer		
P	8/17/2021		100.12	(0.03)	705.88	1	Groundwater Conservation District	Transducer		
P	8/18/2021		100.21	0.09	705.79	1	Groundwater Conservation District	Transducer		
P	8/19/2021		100.19	(0.02)	705.81	1	Groundwater Conservation District	Transducer		
P	8/20/2021		100.08	(0.11)	705.92	1	Groundwater Conservation District	Transducer		
P	8/21/2021		100.09	0.01	705.91	1	Groundwater Conservation District	Transducer		
P	8/22/2021		100.03	(0.06)	705.97	1	Groundwater Conservation District	Transducer		
P	8/23/2021		100.25	0.22	705.75	1	Groundwater Conservation District	Transducer		
P	8/24/2021		100.09	(0.16)	705.91	1	Groundwater Conservation District	Transducer		
P	8/25/2021		100.13	0.04	705.87	1	Groundwater Conservation District	Transducer		
P	8/26/2021		100.08	(0.05)	705.92	1	Groundwater Conservation District	Transducer		
P	8/27/2021		100.17	0.09	705.83	1	Groundwater Conservation District	Transducer		
P	8/28/2021		100.11	(0.06)	705.89	1	Groundwater Conservation District	Transducer		
P	8/29/2021		100.16	0.05	705.84	1	Groundwater Conservation District	Transducer		
P	8/30/2021		100.1	(0.06)	705.9	1	Groundwater Conservation District	Transducer		
P	8/31/2021		100.09	(0.01)	705.91	1	Groundwater Conservation District	Transducer		
P	9/1/2021		100.02	(0.07)	705.98	1	Groundwater Conservation District	Transducer		



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P	9/2/2021		100.1	0.08	705.9	1	Groundwater Conservation District	Transducer		
P	9/3/2021		100.23	0.13	705.77	1	Groundwater Conservation District	Transducer		
P	9/4/2021		100.17	(0.06)	705.83	1	Groundwater Conservation District	Transducer		
P	9/5/2021		100.16	(0.01)	705.84	1	Groundwater Conservation District	Transducer		
P	9/6/2021		100.27	0.11	705.73	1	Groundwater Conservation District	Transducer		
P	9/7/2021		100.29	0.02	705.71	1	Groundwater Conservation District	Transducer		
P	9/8/2021		100.23	(0.06)	705.77	1	Groundwater Conservation District	Transducer		
P	9/9/2021		100.32	0.09	705.68	1	Groundwater Conservation District	Transducer		
P	9/10/2021		100.25	(0.07)	705.75	1	Groundwater Conservation District	Transducer		
P	9/11/2021		100.19	(0.06)	705.81	1	Groundwater Conservation District	Transducer		
P	9/12/2021		100.2	0.01	705.8	1	Groundwater Conservation District	Transducer		
P	9/13/2021		100.34	0.14	705.66	1	Groundwater Conservation District	Transducer		
P	9/14/2021		100.41	0.07	705.59	1	Groundwater Conservation District	Transducer		
P	9/15/2021		100.6	0.19	705.4	1	Groundwater Conservation District	Transducer		
P	9/16/2021		100.87	0.27	705.13	1	Groundwater Conservation District	Transducer		
P	9/17/2021		100.79	(0.08)	705.21	1	Groundwater Conservation District	Transducer		
P	9/18/2021		100.76	(0.03)	705.24	1	Groundwater Conservation District	Transducer		
P	9/19/2021		100.7	(0.06)	705.3	1	Groundwater Conservation District	Transducer		
P	9/20/2021		100.76	0.06	705.24	1	Groundwater Conservation District	Transducer		
P	9/21/2021		100.76	0.00	705.24	1	Groundwater Conservation District	Transducer		
P	9/22/2021		100.69	(0.07)	705.31	1	Groundwater Conservation District	Transducer		
P	9/23/2021		100.66	(0.03)	705.34	1	Groundwater Conservation District	Transducer		
P	9/24/2021		100.64	(0.02)	705.36	1	Groundwater Conservation District	Transducer		
P	9/25/2021		100.62	(0.02)	705.38	1	Groundwater Conservation District	Transducer		
P	9/26/2021		100.52	(0.10)	705.48	1	Groundwater Conservation District	Transducer		
P	9/27/2021		100.59	0.07	705.41	1	Groundwater Conservation District	Transducer		
P	9/28/2021		100.57	(0.02)	705.43	1	Groundwater Conservation District	Transducer		

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P	9/29/2021		100.43	(0.14)	705.57	1	Groundwater Conservation District	Transducer		
P	9/30/2021		100.46	0.03	705.54	1	Groundwater Conservation District	Transducer		
P	10/1/2021		100.59	0.13	705.41	1	Groundwater Conservation District	Transducer		
P	10/2/2021		100.39	(0.20)	705.61	1	Groundwater Conservation District	Transducer		
P	10/3/2021		100.63	0.24	705.37	1	Groundwater Conservation District	Transducer		
P	10/4/2021		100.52	(0.11)	705.48	1	Groundwater Conservation District	Transducer		
P	10/5/2021		100.49	(0.03)	705.51	1	Groundwater Conservation District	Transducer		
P	10/6/2021		100.43	(0.06)	705.57	1	Groundwater Conservation District	Transducer		
P	10/7/2021		100.45	0.02	705.55	1	Groundwater Conservation District	Transducer		
P	10/8/2021		100.52	0.07	705.48	1	Groundwater Conservation District	Transducer		
P	10/9/2021		100.46	(0.06)	705.54	1	Groundwater Conservation District	Transducer		
P	10/10/2021		100.46	0.00	705.54	1	Groundwater Conservation District	Transducer		
P	10/11/2021		100.43	(0.03)	705.57	1	Groundwater Conservation District	Transducer		
P	10/12/2021		100.54	0.11	705.46	1	Groundwater Conservation District	Transducer		
P	10/13/2021		100.56	0.02	705.44	1	Groundwater Conservation District	Transducer		
P	10/14/2021		100.59	0.03	705.41	1	Groundwater Conservation District	Transducer		
P	10/15/2021		100.64	0.05	705.36	1	Groundwater Conservation District	Transducer		
P	10/16/2021		100.53	(0.11)	705.47	1	Groundwater Conservation District	Transducer		
P	10/17/2021		100.48	(0.05)	705.52	1	Groundwater Conservation District	Transducer		
P	10/18/2021		100.58	0.10	705.42	1	Groundwater Conservation District	Transducer		
P	10/19/2021		100.58	0.00	705.42	1	Groundwater Conservation District	Transducer		
P	10/20/2021		100.59	0.01	705.41	1	Groundwater Conservation District	Transducer		
P	10/21/2021		100.46	(0.13)	705.54	1	Groundwater Conservation District	Transducer		
P	10/22/2021		100.48	0.02	705.52	1	Groundwater Conservation District	Transducer		
P	10/23/2021		100.6	0.12	705.4	1	Groundwater Conservation District	Transducer		
P	10/24/2021		100.52	(0.08)	705.48	1	Groundwater Conservation District	Transducer		
P	10/25/2021		100.52	0.00	705.48	1	Groundwater Conservation District	Transducer		

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P	10/26/2021		100.42	(0.10)	705.58	1	Groundwater Conservation District	Transducer		
P	10/27/2021		100.51	0.09	705.49	1	Groundwater Conservation District	Transducer		
P	10/28/2021		100.42	(0.09)	705.58	1	Groundwater Conservation District	Transducer		
P	10/29/2021		100.32	(0.10)	705.68	1	Groundwater Conservation District	Transducer		
P	10/30/2021		100.36	0.04	705.64	1	Groundwater Conservation District	Transducer		
P	10/31/2021		100.4	0.04	705.6	1	Groundwater Conservation District	Transducer		
P	11/1/2021		100.33	(0.07)	705.67	1	Groundwater Conservation District	Transducer		
P	11/2/2021		100.38	0.05	705.62	1	Groundwater Conservation District	Transducer		
P	11/3/2021		100.34	(0.04)	705.66	1	Groundwater Conservation District	Transducer		
P	11/4/2021		100.28	(0.06)	705.72	1	Groundwater Conservation District	Transducer		
P	11/5/2021		100.38	0.10	705.62	1	Groundwater Conservation District	Transducer		
P	11/6/2021		100.36	(0.02)	705.64	1	Groundwater Conservation District	Transducer		
P	11/7/2021		100.27	(0.09)	705.73	1	Groundwater Conservation District	Transducer		
P	11/8/2021		100.27	0.00	705.73	1	Groundwater Conservation District	Transducer		
P	11/9/2021		100.26	(0.01)	705.74	1	Groundwater Conservation District	Transducer		
P	11/10/2021		100.31	0.05	705.69	1	Groundwater Conservation District	Transducer		
P	11/11/2021		100.22	(0.09)	705.78	1	Groundwater Conservation District	Transducer		
P	11/12/2021		100.17	(0.05)	705.83	1	Groundwater Conservation District	Transducer		
P	11/13/2021		100.38	0.21	705.62	1	Groundwater Conservation District	Transducer		
P	11/14/2021		100.36	(0.02)	705.64	1	Groundwater Conservation District	Transducer		
P	11/15/2021		100.3	(0.06)	705.7	1	Groundwater Conservation District	Transducer		
P	11/16/2021		100.32	0.02	705.68	1	Groundwater Conservation District	Transducer		
P	11/17/2021		100.2	(0.12)	705.8	1	Groundwater Conservation District	Transducer		
P	11/18/2021		100.18	(0.02)	705.82	1	Groundwater Conservation District	Transducer		
P	11/19/2021		100.31	0.13	705.69	1	Groundwater Conservation District	Transducer		
P	11/20/2021		100.32	0.01	705.68	1	Groundwater Conservation District	Transducer		
P	11/21/2021		100.26	(0.06)	705.74	1	Groundwater Conservation District	Transducer		

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P	11/22/2021		100.21	(0.05)	705.79	1	Groundwater Conservation District	Transducer		
P	11/23/2021		100.23	0.02	705.77	1	Groundwater Conservation District	Transducer		
P	11/24/2021		100.25	0.02	705.75	1	Groundwater Conservation District	Transducer		
P	11/25/2021		100.16	(0.09)	705.84	1	Groundwater Conservation District	Transducer		
P	11/26/2021		100.18	0.02	705.82	1	Groundwater Conservation District	Transducer		
P	11/27/2021		100.22	0.04	705.78	1	Groundwater Conservation District	Transducer		
P	11/28/2021		100.14	(0.08)	705.86	1	Groundwater Conservation District	Transducer		
P	11/29/2021		100.25	0.11	705.75	1	Groundwater Conservation District	Transducer		
P	11/30/2021		100.21	(0.04)	705.79	1	Groundwater Conservation District	Transducer		
P	12/1/2021		100.22	0.01	705.78	1	Groundwater Conservation District	Transducer		
P	12/2/2021		100.26	0.04	705.74	1	Groundwater Conservation District	Transducer		
P	12/3/2021		100.24	(0.02)	705.76	1	Groundwater Conservation District	Transducer		
P	12/4/2021		100.41	0.17	705.59	1	Groundwater Conservation District	Transducer		
P	12/5/2021		100.44	0.03	705.56	1	Groundwater Conservation District	Transducer		
P	12/6/2021		100.28	(0.16)	705.72	1	Groundwater Conservation District	Transducer		
P	12/7/2021		100.31	0.03	705.69	1	Groundwater Conservation District	Transducer		
P	12/8/2021		100.32	0.01	705.68	1	Groundwater Conservation District	Transducer		
P	12/9/2021		100.29	(0.03)	705.71	1	Groundwater Conservation District	Transducer		
P	12/10/2021		100.28	(0.01)	705.72	1	Groundwater Conservation District	Transducer		
P	12/11/2021		100.15	(0.13)	705.85	1	Groundwater Conservation District	Transducer		
P	12/12/2021		100.28	0.13	705.72	1	Groundwater Conservation District	Transducer		
P	12/13/2021		100.3	0.02	705.7	1	Groundwater Conservation District	Transducer		
P	12/14/2021		100.42	0.12	705.58	1	Groundwater Conservation District	Transducer		
P	12/15/2021		100.46	0.04	705.54	1	Groundwater Conservation District	Transducer		
P	12/16/2021		100.54	0.08	705.46	1	Groundwater Conservation District	Transducer		
P	12/17/2021		100.45	(0.09)	705.55	1	Groundwater Conservation District	Transducer		
P	12/18/2021		100.34	(0.11)	705.66	1	Groundwater Conservation District	Transducer		

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P	12/19/2021		100.48	0.14	705.52	1	Groundwater Conservation District	Transducer		
P	12/20/2021		100.41	(0.07)	705.59	1	Groundwater Conservation District	Transducer		
P	12/21/2021		100.38	(0.03)	705.62	1	Groundwater Conservation District	Transducer		
P	12/22/2021		100.42	0.04	705.58	1	Groundwater Conservation District	Transducer		
P	12/23/2021		100.42	0.00	705.58	1	Groundwater Conservation District	Transducer		
P	12/24/2021		100.44	0.02	705.56	1	Groundwater Conservation District	Transducer		
P	12/25/2021		100.38	(0.06)	705.62	1	Groundwater Conservation District	Transducer		
P	12/26/2021		100.41	0.03	705.59	1	Groundwater Conservation District	Transducer		
P	12/27/2021		100.51	0.10	705.49	1	Groundwater Conservation District	Transducer		
P	12/28/2021		100.42	(0.09)	705.58	1	Groundwater Conservation District	Transducer		
P	12/29/2021		100.39	(0.03)	705.61	1	Groundwater Conservation District	Transducer		
P	12/30/2021		100.42	0.03	705.58	1	Groundwater Conservation District	Transducer		
P	12/31/2021		100.48	0.06	705.52	1	Groundwater Conservation District	Transducer		
P	1/1/2022		100.38	(0.10)	705.62	1	Groundwater Conservation District	Transducer		
P	1/2/2022		100.43	0.05	705.57	1	Groundwater Conservation District	Transducer		
P	1/3/2022		100.45	0.02	705.55	1	Groundwater Conservation District	Transducer		
P	1/4/2022		100.36	(0.09)	705.64	1	Groundwater Conservation District	Transducer		
P	1/5/2022		100.4	0.04	705.6	1	Groundwater Conservation District	Transducer		
P	1/6/2022		100.28	(0.12)	705.72	1	Groundwater Conservation District	Transducer		
P	1/7/2022		100.42	0.14	705.58	1	Groundwater Conservation District	Transducer		
P	1/8/2022		100.32	(0.10)	705.68	1	Groundwater Conservation District	Transducer		
P	1/9/2022		100.2	(0.12)	705.8	1	Groundwater Conservation District	Transducer		
P	1/10/2022		100.22	0.02	705.78	1	Groundwater Conservation District	Transducer		
P	1/11/2022		100.25	0.03	705.75	1	Groundwater Conservation District	Transducer		
P	1/12/2022		100.25	0.00	705.75	1	Groundwater Conservation District	Transducer		
P	1/13/2022		100.32	0.07	705.68	1	Groundwater Conservation District	Transducer		
P	1/14/2022		100.3	(0.02)	705.7	1	Groundwater Conservation District	Transducer		

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P	1/15/2022		100.19	(0.11)	705.81	1	Groundwater Conservation District	Transducer		
P	1/16/2022		100.29	0.10	705.71	1	Groundwater Conservation District	Transducer		
P	1/17/2022		100.37	0.08	705.63	1	Groundwater Conservation District	Transducer		
P	1/18/2022		100.28	(0.09)	705.72	1	Groundwater Conservation District	Transducer		
P	1/19/2022		100.19	(0.09)	705.81	1	Groundwater Conservation District	Transducer		
P	1/20/2022		100.18	(0.01)	705.82	1	Groundwater Conservation District	Transducer		
P	1/21/2022		100.25	0.07	705.75	1	Groundwater Conservation District	Transducer		
P	1/22/2022		100.2	(0.05)	705.8	1	Groundwater Conservation District	Transducer		
P	1/23/2022		100.32	0.12	705.68	1	Groundwater Conservation District	Transducer		
P	1/24/2022		100.21	(0.11)	705.79	1	Groundwater Conservation District	Transducer		
P	1/25/2022		100.11	(0.10)	705.89	1	Groundwater Conservation District	Transducer		
P	1/26/2022		100.14	0.03	705.86	1	Groundwater Conservation District	Transducer		
P	1/27/2022		100.2	0.06	705.8	1	Groundwater Conservation District	Transducer		
P	1/28/2022		100.16	(0.04)	705.84	1	Groundwater Conservation District	Transducer		
P	1/29/2022		100.32	0.16	705.68	1	Groundwater Conservation District	Transducer		
P	1/30/2022		100.2	(0.12)	705.8	1	Groundwater Conservation District	Transducer		
P	1/31/2022		100.19	(0.01)	705.81	1	Groundwater Conservation District	Transducer		
P	2/1/2022		100.28	0.09	705.72	1	Groundwater Conservation District	Transducer		
P	2/2/2022		100.17	(0.11)	705.83	1	Groundwater Conservation District	Transducer		
P	2/3/2022		100.07	(0.10)	705.93	1	Groundwater Conservation District	Transducer		
P	2/4/2022		100.18	0.11	705.82	1	Groundwater Conservation District	Transducer		
P	2/5/2022		100.32	0.14	705.68	1	Groundwater Conservation District	Transducer		
P	2/6/2022		100.14	(0.18)	705.86	1	Groundwater Conservation District	Transducer		
P	2/7/2022		100.15	0.01	705.85	1	Groundwater Conservation District	Transducer		
P	2/8/2022		100.17	0.02	705.83	1	Groundwater Conservation District	Transducer		
P	2/9/2022		100.14	(0.03)	705.86	1	Groundwater Conservation District	Transducer		
P	2/10/2022		100.22	0.08	705.78	1	Groundwater Conservation District	Transducer		



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P	2/11/2022		100.27	0.05	705.73	1	Groundwater Conservation District	Transducer		
P	2/12/2022		100.06	(0.21)	705.94	1	Groundwater Conservation District	Transducer		
P	2/13/2022		100.15	0.09	705.85	1	Groundwater Conservation District	Transducer		
P	2/14/2022		100.15	0.00	705.85	1	Groundwater Conservation District	Transducer		
P	2/15/2022		100.18	0.03	705.82	1	Groundwater Conservation District	Transducer		
P	2/16/2022		100.25	0.07	705.75	1	Groundwater Conservation District	Transducer		
P	2/17/2022		100.06	(0.19)	705.94	1	Groundwater Conservation District	Transducer		
P	2/18/2022		100.1	0.04	705.9	1	Groundwater Conservation District	Transducer		
P	2/19/2022		100.11	0.01	705.89	1	Groundwater Conservation District	Transducer		
P	2/20/2022		100.18	0.07	705.82	1	Groundwater Conservation District	Transducer		
P	2/21/2022		100.38	0.20	705.62	1	Groundwater Conservation District	Transducer		
P	2/22/2022		100.13	(0.25)	705.87	1	Groundwater Conservation District	Transducer		
P	2/23/2022		100.26	0.13	705.74	1	Groundwater Conservation District	Transducer		
P	2/24/2022		100.14	(0.12)	705.86	1	Groundwater Conservation District	Transducer		
P	2/25/2022		100.15	0.01	705.85	1	Groundwater Conservation District	Transducer		
P	2/26/2022		100.1	(0.05)	705.9	1	Groundwater Conservation District	Transducer		
P	2/27/2022		100.15	0.05	705.85	1	Groundwater Conservation District	Transducer		
P	2/28/2022		100.27	0.12	705.73	1	Groundwater Conservation District	Transducer		
P	3/1/2022		100.18	(0.09)	705.82	1	Groundwater Conservation District	Transducer		
P	3/2/2022		100.17	(0.01)	705.83	1	Groundwater Conservation District	Transducer		
P	3/3/2022		100.17	0.00	705.83	1	Groundwater Conservation District	Transducer		
P	3/4/2022		100.15	(0.02)	705.85	1	Groundwater Conservation District	Transducer		
P	3/5/2022		100.12	(0.03)	705.88	1	Groundwater Conservation District	Transducer		
P	3/6/2022		100.08	(0.04)	705.92	1	Groundwater Conservation District	Transducer		
P	3/7/2022		100.08	0.00	705.92	1	Groundwater Conservation District	Transducer		
P	3/8/2022		100.16	0.08	705.84	1	Groundwater Conservation District	Transducer		
P	3/9/2022		100.15	(0.01)	705.85	1	Groundwater Conservation District	Transducer		

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P	3/10/2022		100.14	(0.01)	705.86	1	Groundwater Conservation District	Transducer		
P	3/11/2022		100	(0.14)	706	1	Groundwater Conservation District	Transducer		
P	3/12/2022		100.05	0.05	705.95	1	Groundwater Conservation District	Transducer		
P	3/14/2022		100.17	0.12	705.83	1	Groundwater Conservation District	Transducer		
P	3/15/2022		100.12	(0.05)	705.88	1	Groundwater Conservation District	Transducer		
P	3/16/2022		100.3	0.18	705.7	1	Groundwater Conservation District	Transducer		
P	3/17/2022		100.2	(0.10)	705.8	1	Groundwater Conservation District	Transducer		
P	3/18/2022		100.45	0.25	705.55	1	Groundwater Conservation District	Transducer		
P	3/19/2022		100.28	(0.17)	705.72	1	Groundwater Conservation District	Transducer		
P	3/20/2022		100.17	(0.11)	705.83	1	Groundwater Conservation District	Transducer		
P	3/21/2022		100.33	0.16	705.67	1	Groundwater Conservation District	Transducer		
P	3/22/2022		100.25	(0.08)	705.75	1	Groundwater Conservation District	Transducer		
P	3/23/2022		100.12	(0.13)	705.88	1	Groundwater Conservation District	Transducer		
P	3/24/2022		100.23	0.11	705.77	1	Groundwater Conservation District	Transducer		
P	3/25/2022		100.15	(0.08)	705.85	1	Groundwater Conservation District	Transducer		
P	3/26/2022		100.17	0.02	705.83	1	Groundwater Conservation District	Transducer		
P	3/27/2022		100.21	0.04	705.79	1	Groundwater Conservation District	Transducer		
P	3/28/2022		100.41	0.20	705.59	1	Groundwater Conservation District	Transducer		
P	3/29/2022		100.4	(0.01)	705.6	1	Groundwater Conservation District	Transducer		
P	3/30/2022		100.42	0.02	705.58	1	Groundwater Conservation District	Transducer		
P	3/31/2022		100.33	(0.09)	705.67	1	Groundwater Conservation District	Transducer		
P	4/1/2022		100.31	(0.02)	705.69	1	Groundwater Conservation District	Transducer		
P	4/2/2022		100.3	(0.01)	705.7	1	Groundwater Conservation District	Transducer		
P	4/3/2022		100.44	0.14	705.56	1	Groundwater Conservation District	Transducer		
P	4/4/2022		100.51	0.07	705.49	1	Groundwater Conservation District	Transducer		
P	4/5/2022		100.43	(0.08)	705.57	1	Groundwater Conservation District	Transducer		
P	4/6/2022		100.52	0.09	705.48	1	Groundwater Conservation District	Transducer		

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P	4/7/2022		100.33	(0.19)	705.67	1	Groundwater Conservation District	Transducer		
P	4/8/2022		100.52	0.19	705.48	1	Groundwater Conservation District	Transducer		
P	4/9/2022		100.6	0.08	705.4	1	Groundwater Conservation District	Transducer		
P	4/10/2022		100.94	0.34	705.06	1	Groundwater Conservation District	Transducer		
P	4/11/2022		101.1	0.16	704.9	1	Groundwater Conservation District	Transducer		
P	4/12/2022		101.05	(0.05)	704.95	1	Groundwater Conservation District	Transducer		
P	4/13/2022		100.94	(0.11)	705.06	1	Groundwater Conservation District	Transducer		
P	4/14/2022		100.82	(0.12)	705.18	1	Groundwater Conservation District	Transducer		
P	4/15/2022		100.84	0.02	705.16	1	Groundwater Conservation District	Transducer		
P	4/16/2022		100.74	(0.10)	705.26	1	Groundwater Conservation District	Transducer		
P	4/17/2022		100.65	(0.09)	705.35	1	Groundwater Conservation District	Transducer		
P	4/18/2022		100.76	0.11	705.24	1	Groundwater Conservation District	Transducer		
P	4/19/2022		100.64	(0.12)	705.36	1	Groundwater Conservation District	Transducer		
P	4/20/2022		100.85	0.21	705.15	1	Groundwater Conservation District	Transducer		
P	4/21/2022		100.73	(0.12)	705.27	1	Groundwater Conservation District	Transducer		
P	4/22/2022		100.66	(0.07)	705.34	1	Groundwater Conservation District	Transducer		
P	4/23/2022		100.71	0.05	705.29	1	Groundwater Conservation District	Transducer		
P	4/24/2022		100.65	(0.06)	705.35	1	Groundwater Conservation District	Transducer		
P	4/25/2022		100.75	0.10	705.25	1	Groundwater Conservation District	Transducer		
P	4/26/2022		100.58	(0.17)	705.42	1	Groundwater Conservation District	Transducer		
P	4/27/2022		100.58	0.00	705.42	1	Groundwater Conservation District	Transducer		
P	4/28/2022		100.75	0.17	705.25	1	Groundwater Conservation District	Transducer		
P	4/29/2022		100.94	0.19	705.06	1	Groundwater Conservation District	Transducer		
P	4/30/2022		100.88	(0.06)	705.12	1	Groundwater Conservation District	Transducer		
P	5/1/2022		100.82	(0.06)	705.18	1	Groundwater Conservation District	Transducer		
P	5/2/2022		101.1	0.28	704.9	1	Groundwater Conservation District	Transducer		
P	5/3/2022		100.88	(0.22)	705.12	1	Groundwater Conservation District	Transducer		

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P	5/4/2022		100.9	0.02	705.1	1	Groundwater Conservation District	Transducer		
P	5/5/2022		100.85	(0.05)	705.15	1	Groundwater Conservation District	Transducer		
P	5/6/2022		100.84	(0.01)	705.16	1	Groundwater Conservation District	Transducer		
P	5/7/2022		101.02	0.18	704.98	1	Groundwater Conservation District	Transducer		
P	5/8/2022		100.98	(0.04)	705.02	1	Groundwater Conservation District	Transducer		
P	5/9/2022		100.93	(0.05)	705.07	1	Groundwater Conservation District	Transducer		
P	5/10/2022		100.97	0.04	705.03	1	Groundwater Conservation District	Transducer		
P	5/11/2022		100.93	(0.04)	705.07	1	Groundwater Conservation District	Transducer		
P	5/12/2022		100.99	0.06	705.01	1	Groundwater Conservation District	Transducer		
P	5/13/2022		101.02	0.03	704.98	1	Groundwater Conservation District	Transducer		
P	5/14/2022		100.96	(0.06)	705.04	1	Groundwater Conservation District	Transducer		
P	5/15/2022		101.03	0.07	704.97	1	Groundwater Conservation District	Transducer		
P	5/16/2022		101.07	0.04	704.93	1	Groundwater Conservation District	Transducer		
P	5/17/2022		101.14	0.07	704.86	1	Groundwater Conservation District	Transducer		
P	5/18/2022		101.14	0.00	704.86	1	Groundwater Conservation District	Transducer		
P	5/19/2022		101.1	(0.04)	704.9	1	Groundwater Conservation District	Transducer		
P	5/20/2022		101.1	0.00	704.9	1	Groundwater Conservation District	Transducer		
P	5/21/2022		101.04	(0.06)	704.96	1	Groundwater Conservation District	Transducer		
P	5/22/2022		100.98	(0.06)	705.02	1	Groundwater Conservation District	Transducer		
P	5/23/2022		100.97	(0.01)	705.03	1	Groundwater Conservation District	Transducer		
P	5/24/2022		100.96	(0.01)	705.04	1	Groundwater Conservation District	Transducer		
P	5/25/2022		100.87	(0.09)	705.13	1	Groundwater Conservation District	Transducer		
P	5/26/2022		100.86	(0.01)	705.14	1	Groundwater Conservation District	Transducer		
P	5/27/2022		100.83	(0.03)	705.17	1	Groundwater Conservation District	Transducer		
P	5/28/2022		100.9	0.07	705.1	1	Groundwater Conservation District	Transducer		
P	5/29/2022		100.92	0.02	705.08	1	Groundwater Conservation District	Transducer		
P	5/30/2022		101.14	0.22	704.86	1	Groundwater Conservation District	Transducer		

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P	5/31/2022		101.37	0.23	704.63	1	Groundwater Conservation District	Transducer		
P	6/1/2022		101.13	(0.24)	704.87	1	Groundwater Conservation District	Transducer		
P	6/2/2022		101.23	0.10	704.77	1	Groundwater Conservation District	Transducer		
P	6/3/2022		101.15	(0.08)	704.85	1	Groundwater Conservation District	Transducer		
P	6/4/2022		101.06	(0.09)	704.94	1	Groundwater Conservation District	Transducer		
P	6/5/2022		101.04	(0.02)	704.96	1	Groundwater Conservation District	Transducer		
P	6/6/2022		100.93	(0.11)	705.07	1	Groundwater Conservation District	Transducer		
P	6/7/2022		101.19	0.26	704.81	1	Groundwater Conservation District	Transducer		
P	6/8/2022		101.12	(0.07)	704.88	1	Groundwater Conservation District	Transducer		
P	6/9/2022		101.3	0.18	704.7	1	Groundwater Conservation District	Transducer		
P	6/10/2022		101.11	(0.19)	704.89	1	Groundwater Conservation District	Transducer		
P	6/11/2022		101.19	0.08	704.81	1	Groundwater Conservation District	Transducer		
P	6/12/2022		101.3	0.11	704.7	1	Groundwater Conservation District	Transducer		
P	6/13/2022		101.22	(0.08)	704.78	1	Groundwater Conservation District	Transducer		
P	6/14/2022		101.22	0.00	704.78	1	Groundwater Conservation District	Transducer		
P	6/15/2022		101.3	0.08	704.7	1	Groundwater Conservation District	Transducer		
P	6/16/2022		101.33	0.03	704.67	1	Groundwater Conservation District	Transducer		
P	6/17/2022		101.26	(0.07)	704.74	1	Groundwater Conservation District	Transducer		
P	6/18/2022		101.19	(0.07)	704.81	1	Groundwater Conservation District	Transducer		
P	6/19/2022		101.17	(0.02)	704.83	1	Groundwater Conservation District	Transducer		
P	6/20/2022		101.2	0.03	704.8	1	Groundwater Conservation District	Transducer		
P	6/21/2022		101.17	(0.03)	704.83	1	Groundwater Conservation District	Transducer		
P	6/22/2022		101.3	0.13	704.7	1	Groundwater Conservation District	Transducer		
P	6/23/2022		101.3	0.00	704.7	1	Groundwater Conservation District	Transducer		
P	6/24/2022		101.29	(0.01)	704.71	1	Groundwater Conservation District	Transducer		
P	6/25/2022		101.24	(0.05)	704.76	1	Groundwater Conservation District	Transducer		
P	6/26/2022		101.2	(0.04)	704.8	1	Groundwater Conservation District	Transducer		

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P	6/27/2022		101.36	0.16	704.64	1	Groundwater Conservation District	Transducer		
P	6/28/2022		101.26	(0.10)	704.74	1	Groundwater Conservation District	Transducer		
P	6/29/2022		101.14	(0.12)	704.86	1	Groundwater Conservation District	Transducer		
P	6/30/2022		101.02	(0.12)	704.98	1	Groundwater Conservation District	Transducer		
P	7/1/2022		101.04	0.02	704.96	1	Groundwater Conservation District	Transducer		
P	7/2/2022		100.87	(0.17)	705.13	1	Groundwater Conservation District	Transducer		
P	7/3/2022		100.87	0.00	705.13	1	Groundwater Conservation District	Transducer		
P	7/4/2022		100.96	0.09	705.04	1	Groundwater Conservation District	Transducer		
P	7/5/2022		100.84	(0.12)	705.16	1	Groundwater Conservation District	Transducer		
P	7/6/2022		100.91	0.07	705.09	1	Groundwater Conservation District	Transducer		
P	7/7/2022		101.27	0.36	704.73	1	Groundwater Conservation District	Transducer		
P	7/8/2022		101.1	(0.17)	704.9	1	Groundwater Conservation District	Transducer		
P	7/9/2022		100.94	(0.16)	705.06	1	Groundwater Conservation District	Transducer		
P	7/10/2022		100.94	0.00	705.06	1	Groundwater Conservation District	Transducer		
P	7/11/2022		101.13	0.19	704.87	1	Groundwater Conservation District	Transducer		
P	7/12/2022		101.14	0.01	704.86	1	Groundwater Conservation District	Transducer		
P	7/13/2022		101.07	(0.07)	704.93	1	Groundwater Conservation District	Transducer		
P	7/14/2022		101.19	0.12	704.81	1	Groundwater Conservation District	Transducer		
P	7/15/2022		101.18	(0.01)	704.82	1	Groundwater Conservation District	Transducer		
P	7/16/2022		100.98	(0.20)	705.02	1	Groundwater Conservation District	Transducer		
P	7/17/2022		100.98	0.00	705.02	1	Groundwater Conservation District	Transducer		
P	7/18/2022		100.96	(0.02)	705.04	1	Groundwater Conservation District	Transducer		
P	7/19/2022		101.18	0.22	704.82	1	Groundwater Conservation District	Transducer		
P	7/20/2022		101.24	0.06	704.76	1	Groundwater Conservation District	Transducer		
P	7/21/2022		101.17	(0.07)	704.83	1	Groundwater Conservation District	Transducer		
P	7/22/2022		101.37	0.20	704.63	1	Groundwater Conservation District	Transducer		
P	7/23/2022		101.41	0.04	704.59	1	Groundwater Conservation District	Transducer		



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P	7/24/2022		101.45	0.04	704.55	1	Groundwater Conservation District	Transducer		
P	7/25/2022		101.57	0.12	704.43	1	Groundwater Conservation District	Transducer		
P	7/26/2022		101.5	(0.07)	704.5	1	Groundwater Conservation District	Transducer		
P	7/27/2022		101.58	0.08	704.42	1	Groundwater Conservation District	Transducer		
P	7/28/2022		101.69	0.11	704.31	1	Groundwater Conservation District	Transducer		
P	7/29/2022		101.51	(0.18)	704.49	1	Groundwater Conservation District	Transducer		
P	7/30/2022		101.49	(0.02)	704.51	1	Groundwater Conservation District	Transducer		
P	7/31/2022		101.58	0.09	704.42	1	Groundwater Conservation District	Transducer		
P	8/1/2022		101.51	(0.07)	704.49	1	Groundwater Conservation District	Transducer		
P	8/2/2022		101.79	0.28	704.21	1	Groundwater Conservation District	Transducer		
P	8/3/2022		101.56	(0.23)	704.44	1	Groundwater Conservation District	Transducer		
P	8/4/2022		101.6	0.04	704.4	1	Groundwater Conservation District	Transducer		
P	8/5/2022		101.55	(0.05)	704.45	1	Groundwater Conservation District	Transducer		
P	8/6/2022		101.6	0.05	704.4	1	Groundwater Conservation District	Transducer		
P	8/7/2022		101.61	0.01	704.39	1	Groundwater Conservation District	Transducer		
P	8/8/2022		101.69	0.08	704.31	1	Groundwater Conservation District	Transducer		
P	8/9/2022		101.62	(0.07)	704.38	1	Groundwater Conservation District	Transducer		
P	8/10/2022		101.68	0.06	704.32	1	Groundwater Conservation District	Transducer		
P	8/11/2022		101.59	(0.09)	704.41	1	Groundwater Conservation District	Transducer		
P	8/12/2022		101.56	(0.03)	704.44	1	Groundwater Conservation District	Transducer		
P	8/13/2022		101.64	0.08	704.36	1	Groundwater Conservation District	Transducer		
P	8/14/2022		101.71	0.07	704.29	1	Groundwater Conservation District	Transducer		
P	8/15/2022		101.62	(0.09)	704.38	1	Groundwater Conservation District	Transducer		
P	8/16/2022		101.68	0.06	704.32	1	Groundwater Conservation District	Transducer		
P	8/17/2022		101.62	(0.06)	704.38	1	Groundwater Conservation District	Transducer		
P	8/18/2022		101.64	0.02	704.36	1	Groundwater Conservation District	Transducer		
P	8/19/2022		101.61	(0.03)	704.39	1	Groundwater Conservation District	Transducer		

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P	8/20/2022		101.63	0.02	704.37	1	Groundwater Conservation District	Transducer		
P	8/21/2022		101.71	0.08	704.29	1	Groundwater Conservation District	Transducer		
P	8/22/2022		101.67	(0.04)	704.33	1	Groundwater Conservation District	Transducer		
P	8/23/2022		101.61	(0.06)	704.39	1	Groundwater Conservation District	Transducer		
P	8/24/2022		101.59	(0.02)	704.41	1	Groundwater Conservation District	Transducer		
P	8/25/2022		101.71	0.12	704.29	1	Groundwater Conservation District	Transducer		
P	8/26/2022		101.89	0.18	704.11	1	Groundwater Conservation District	Transducer		
P	8/27/2022		101.65	(0.24)	704.35	1	Groundwater Conservation District	Transducer		
P	8/28/2022		101.56	(0.09)	704.44	1	Groundwater Conservation District	Transducer		
P	8/29/2022		101.54	(0.02)	704.46	1	Groundwater Conservation District	Transducer		
P	8/30/2022		101.6	0.06	704.4	1	Groundwater Conservation District	Transducer		
P	8/31/2022		101.53	(0.07)	704.47	1	Groundwater Conservation District	Transducer		
P	9/1/2022		101.65	0.12	704.35	1	Groundwater Conservation District	Transducer		
P	9/2/2022		101.66	0.01	704.34	1	Groundwater Conservation District	Transducer		
P	9/3/2022		101.71	0.05	704.29	1	Groundwater Conservation District	Transducer		
P	9/4/2022		101.68	(0.03)	704.32	1	Groundwater Conservation District	Transducer		
P	9/5/2022		101.71	0.03	704.29	1	Groundwater Conservation District	Transducer		
P	9/6/2022		101.8	0.09	704.2	1	Groundwater Conservation District	Transducer		
P	9/7/2022		101.65	(0.15)	704.35	1	Groundwater Conservation District	Transducer		
P	9/8/2022		101.66	0.01	704.34	1	Groundwater Conservation District	Transducer		
P	9/9/2022		101.71	0.05	704.29	1	Groundwater Conservation District	Transducer		
P	9/10/2022		101.73	0.02	704.27	1	Groundwater Conservation District	Transducer		
P	9/11/2022		101.73	0.00	704.27	1	Groundwater Conservation District	Transducer		
P	9/12/2022		101.77	0.04	704.23	1	Groundwater Conservation District	Transducer		
P	9/13/2022		101.86	0.09	704.14	1	Groundwater Conservation District	Transducer		
P	9/14/2022		101.8	(0.06)	704.2	1	Groundwater Conservation District	Transducer		
P	9/15/2022		101.81	0.01	704.19	1	Groundwater Conservation District	Transducer		

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P	9/16/2022		101.79	(0.02)	704.21	1	Groundwater Conservation District	Transducer		
P	9/17/2022		101.83	0.04	704.17	1	Groundwater Conservation District	Transducer		
P	9/18/2022		101.81	(0.02)	704.19	1	Groundwater Conservation District	Transducer		
P	9/19/2022		101.84	0.03	704.16	1	Groundwater Conservation District	Transducer		
P	9/20/2022		101.83	(0.01)	704.17	1	Groundwater Conservation District	Transducer		
P	9/21/2022		101.7	(0.13)	704.3	1	Groundwater Conservation District	Transducer		
P	9/22/2022		101.88	0.18	704.12	1	Groundwater Conservation District	Transducer		
P	9/23/2022		101.93	0.05	704.07	1	Groundwater Conservation District	Transducer		
P	9/24/2022		101.84	(0.09)	704.16	1	Groundwater Conservation District	Transducer		
P	9/25/2022		101.86	0.02	704.14	1	Groundwater Conservation District	Transducer		
P	9/26/2022		101.8	(0.06)	704.2	1	Groundwater Conservation District	Transducer		
P	9/27/2022		101.9	0.10	704.1	1	Groundwater Conservation District	Transducer		
P	9/28/2022		101.99	0.09	704.01	1	Groundwater Conservation District	Transducer		
P	9/29/2022		101.85	(0.14)	704.15	1	Groundwater Conservation District	Transducer		
P	9/30/2022		101.91	0.06	704.09	1	Groundwater Conservation District	Transducer		
P	10/1/2022		101.93	0.02	704.07	1	Groundwater Conservation District	Transducer		
P	10/2/2022		101.84	(0.09)	704.16	1	Groundwater Conservation District	Transducer		
P	10/3/2022		101.85	0.01	704.15	1	Groundwater Conservation District	Transducer		
P	10/4/2022		101.91	0.06	704.09	1	Groundwater Conservation District	Transducer		
P	10/5/2022		101.7	(0.21)	704.3	1	Groundwater Conservation District	Transducer		
P	10/6/2022		101.77	0.07	704.23	1	Groundwater Conservation District	Transducer		
P	10/7/2022		101.78	0.01	704.22	1	Groundwater Conservation District	Transducer		
P	10/8/2022		101.76	(0.02)	704.24	1	Groundwater Conservation District	Transducer		
P	10/9/2022		101.74	(0.02)	704.26	1	Groundwater Conservation District	Transducer		
P	10/10/2022		101.81	0.07	704.19	1	Groundwater Conservation District	Transducer		
P	10/11/2022		101.8	(0.01)	704.2	1	Groundwater Conservation District	Transducer		
P	10/12/2022		101.74	(0.06)	704.26	1	Groundwater Conservation District	Transducer		

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Well Information Report for State Well Number  
57-40-104**

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/13/2022		101.76	0.02	704.24	1	Groundwater Conservation District	Transducer		
P	10/14/2022		101.8	0.04	704.2	1	Groundwater Conservation District	Transducer		
P	10/15/2022		101.79	(0.01)	704.21	1	Groundwater Conservation District	Transducer		
P	10/16/2022		101.94	0.15	704.06	1	Groundwater Conservation District	Transducer		
P	10/17/2022		101.8	(0.14)	704.2	1	Groundwater Conservation District	Transducer		
P	10/18/2022		101.82	0.02	704.18	1	Groundwater Conservation District	Transducer		
P	10/19/2022		101.67	(0.15)	704.33	1	Groundwater Conservation District	Transducer		
P	10/20/2022		102.01	0.34	703.99	1	Groundwater Conservation District	Transducer		
P	10/21/2022		102.11	0.10	703.89	1	Groundwater Conservation District	Transducer		
P	10/22/2022		102.18	0.07	703.82	1	Groundwater Conservation District	Transducer		
P	10/23/2022		102.27	0.09	703.73	1	Groundwater Conservation District	Transducer		
P	10/24/2022		102.38	0.11	703.62	1	Groundwater Conservation District	Transducer		
P	10/25/2022		102.29	(0.09)	703.71	1	Groundwater Conservation District	Transducer		
P	10/26/2022		102.05	(0.24)	703.95	1	Groundwater Conservation District	Transducer		
P	10/27/2022		102.08	0.03	703.92	1	Groundwater Conservation District	Transducer		
P	10/28/2022		101.97	(0.11)	704.03	1	Groundwater Conservation District	Transducer		
P	10/29/2022		102	0.03	704	1	Groundwater Conservation District	Transducer		
P	10/30/2022		101.94	(0.06)	704.06	1	Groundwater Conservation District	Transducer		
P	10/31/2022		101.92	(0.02)	704.08	1	Groundwater Conservation District	Transducer		
P	11/1/2022		101.96	0.04	704.04	1	Groundwater Conservation District	Transducer		
P	11/2/2022		101.85	(0.11)	704.15	1	Groundwater Conservation District	Transducer		
P	11/3/2022		101.93	0.08	704.07	1	Groundwater Conservation District	Transducer		
P	11/4/2022		102	0.07	704	1	Groundwater Conservation District	Transducer		
P	11/5/2022		101.96	(0.04)	704.04	1	Groundwater Conservation District	Transducer		
P	11/6/2022		101.97	0.01	704.03	1	Groundwater Conservation District	Transducer		
P	11/7/2022		101.99	0.02	704.01	1	Groundwater Conservation District	Transducer		
P	11/8/2022		101.9	(0.09)	704.1	1	Groundwater Conservation District	Transducer		

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P	11/9/2022		102.05	0.15	703.95	1	Groundwater Conservation District	Transducer		
P	11/10/2022		102.09	0.04	703.91	1	Groundwater Conservation District	Transducer		
P	11/11/2022		102.06	(0.03)	703.94	1	Groundwater Conservation District	Transducer		
P	11/12/2022		102.08	0.02	703.92	1	Groundwater Conservation District	Transducer		
P	11/13/2022		102.15	0.07	703.85	1	Groundwater Conservation District	Transducer		
P	11/14/2022		102.08	(0.07)	703.92	1	Groundwater Conservation District	Transducer		
P	11/15/2022		101.93	(0.15)	704.07	1	Groundwater Conservation District	Transducer		
P	11/16/2022		102.02	0.09	703.98	1	Groundwater Conservation District	Transducer		
P	11/17/2022		102.01	(0.01)	703.99	1	Groundwater Conservation District	Transducer		
P	11/18/2022		102.06	0.05	703.94	1	Groundwater Conservation District	Transducer		
P	11/19/2022		102.04	(0.02)	703.96	1	Groundwater Conservation District	Transducer		
P	11/20/2022		102.03	(0.01)	703.97	1	Groundwater Conservation District	Transducer		
P	11/21/2022		102.02	(0.01)	703.98	1	Groundwater Conservation District	Transducer		
P	11/22/2022		101.9	(0.12)	704.1	1	Groundwater Conservation District	Transducer		
P	11/23/2022		102.01	0.11	703.99	1	Groundwater Conservation District	Transducer		
P	11/24/2022		102	(0.01)	704	1	Groundwater Conservation District	Transducer		
P	11/25/2022		102.06	0.06	703.94	1	Groundwater Conservation District	Transducer		
P	11/26/2022		102.08	0.02	703.92	1	Groundwater Conservation District	Transducer		
P	11/27/2022		102.14	0.06	703.86	1	Groundwater Conservation District	Transducer		
P	11/28/2022		102.16	0.02	703.84	1	Groundwater Conservation District	Transducer		
P	11/29/2022		101.97	(0.19)	704.03	1	Groundwater Conservation District	Transducer		
P	11/30/2022		102.05	0.08	703.95	1	Groundwater Conservation District	Transducer		
P	12/1/2022		102.09	0.04	703.91	1	Groundwater Conservation District	Transducer		
P	12/2/2022		102.1	0.01	703.9	1	Groundwater Conservation District	Transducer		
P	12/3/2022		102.1	0.00	703.9	1	Groundwater Conservation District	Transducer		
P	12/4/2022		102.12	0.02	703.88	1	Groundwater Conservation District	Transducer		
P	12/5/2022		102.17	0.05	703.83	1	Groundwater Conservation District	Transducer		

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P	12/6/2022		102	(0.17)	704	1	Groundwater Conservation District	Transducer		
P	12/7/2022		102.13	0.13	703.87	1	Groundwater Conservation District	Transducer		
P	12/8/2022		102.18	0.05	703.82	1	Groundwater Conservation District	Transducer		
P	12/9/2022		102.24	0.06	703.76	1	Groundwater Conservation District	Transducer		
P	12/10/2022		102.23	(0.01)	703.77	1	Groundwater Conservation District	Transducer		
P	12/11/2022		102.26	0.03	703.74	1	Groundwater Conservation District	Transducer		
P	12/12/2022		102.26	0.00	703.74	1	Groundwater Conservation District	Transducer		
P	12/13/2022		102.11	(0.15)	703.89	1	Groundwater Conservation District	Transducer		
P	12/14/2022		102.2	0.09	703.8	1	Groundwater Conservation District	Transducer		
P	12/15/2022		102.25	0.05	703.75	1	Groundwater Conservation District	Transducer		
P	12/16/2022		102.29	0.04	703.71	1	Groundwater Conservation District	Transducer		
P	12/17/2022		102.01	(0.28)	703.99	1	Groundwater Conservation District	Transducer		
P	12/18/2022		102.06	0.05	703.94	1	Groundwater Conservation District	Transducer		
P	12/19/2022		102.02	(0.04)	703.98	1	Groundwater Conservation District	Transducer		
P	12/20/2022		102.02	0.00	703.98	1	Groundwater Conservation District	Transducer		
P	12/21/2022		101.97	(0.05)	704.03	1	Groundwater Conservation District	Transducer		
P	12/22/2022		101.96	(0.01)	704.04	1	Groundwater Conservation District	Transducer		
P	12/23/2022		101.97	0.01	704.03	1	Groundwater Conservation District	Transducer		
P	12/24/2022		102.08	0.11	703.92	1	Groundwater Conservation District	Transducer		
P	12/25/2022		101.93	(0.15)	704.07	1	Groundwater Conservation District	Transducer		
P	12/26/2022		101.88	(0.05)	704.12	1	Groundwater Conservation District	Transducer		
P	12/27/2022		102.03	0.15	703.97	1	Groundwater Conservation District	Transducer		
P	12/28/2022		101.95	(0.08)	704.05	1	Groundwater Conservation District	Transducer		
P	12/29/2022		101.94	(0.01)	704.06	1	Groundwater Conservation District	Transducer		
P	12/30/2022		101.92	(0.02)	704.08	1	Groundwater Conservation District	Transducer		
P	12/31/2022		101.94	0.02	704.06	1	Groundwater Conservation District	Transducer		
P	1/1/2023		101.9	(0.04)	704.1	1	Groundwater Conservation District	Transducer		



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P	1/2/2023		102.02	0.12	703.98	1	Groundwater Conservation District	Transducer		
P	1/3/2023		101.96	(0.06)	704.04	1	Groundwater Conservation District	Transducer		
P	1/4/2023		101.92	(0.04)	704.08	1	Groundwater Conservation District	Transducer		
P	1/5/2023		101.93	0.01	704.07	1	Groundwater Conservation District	Transducer		
P	1/6/2023		102.02	0.09	703.98	1	Groundwater Conservation District	Transducer		
P	1/7/2023		102.06	0.04	703.94	1	Groundwater Conservation District	Transducer		
P	1/8/2023		102.02	(0.04)	703.98	1	Groundwater Conservation District	Transducer		
P	1/9/2023		102.02	0.00	703.98	1	Groundwater Conservation District	Transducer		
P	1/10/2023		102.02	0.00	703.98	1	Groundwater Conservation District	Transducer		
P	1/11/2023		102.05	0.03	703.95	1	Groundwater Conservation District	Transducer		
P	1/12/2023		101.99	(0.06)	704.01	1	Groundwater Conservation District	Transducer		
P	1/13/2023		102.02	0.03	703.98	1	Groundwater Conservation District	Transducer		
P	1/14/2023		102.02	0.00	703.98	1	Groundwater Conservation District	Transducer		
P	1/15/2023		102.06	0.04	703.94	1	Groundwater Conservation District	Transducer		
P	1/16/2023		102.04	(0.02)	703.96	1	Groundwater Conservation District	Transducer		
P	1/17/2023		102.05	0.01	703.95	1	Groundwater Conservation District	Transducer		
P	1/18/2023		102.08	0.03	703.92	1	Groundwater Conservation District	Transducer		
P	1/19/2023		102.1	0.02	703.9	1	Groundwater Conservation District	Transducer		
P	1/20/2023		102.19	0.09	703.81	1	Groundwater Conservation District	Transducer		
P	1/21/2023		102.15	(0.04)	703.85	1	Groundwater Conservation District	Transducer		
P	1/22/2023		102.08	(0.07)	703.92	1	Groundwater Conservation District	Transducer		
P	1/23/2023		102.1	0.02	703.9	1	Groundwater Conservation District	Transducer		
P	1/24/2023		102.05	(0.05)	703.95	1	Groundwater Conservation District	Transducer		
P	1/25/2023		102	(0.05)	704	1	Groundwater Conservation District	Transducer		
P	1/26/2023		102.07	0.07	703.93	1	Groundwater Conservation District	Transducer		
P	1/27/2023		102.09	0.02	703.91	1	Groundwater Conservation District	Transducer		
P	1/28/2023		102.06	(0.03)	703.94	1	Groundwater Conservation District	Transducer		

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P	1/29/2023		102.09	0.03	703.91	1	Groundwater Conservation District	Transducer		
P	1/30/2023		102.03	(0.06)	703.97	1	Groundwater Conservation District	Transducer		
P	1/31/2023		102.09	0.06	703.91	1	Groundwater Conservation District	Transducer		
P	2/1/2023		102.11	0.02	703.89	1	Groundwater Conservation District	Transducer		
P	2/2/2023		102.08	(0.03)	703.92	1	Groundwater Conservation District	Transducer		
P	2/3/2023		102.04	(0.04)	703.96	1	Groundwater Conservation District	Transducer		
P	2/4/2023		102.11	0.07	703.89	1	Groundwater Conservation District	Transducer		
P	2/5/2023		102.12	0.01	703.88	1	Groundwater Conservation District	Transducer		
P	2/6/2023		102.06	(0.06)	703.94	1	Groundwater Conservation District	Transducer		
P	2/7/2023		102.04	(0.02)	703.96	1	Groundwater Conservation District	Transducer		
P	2/8/2023		102.11	0.07	703.89	1	Groundwater Conservation District	Transducer		
P	2/9/2023		102	(0.11)	704	1	Groundwater Conservation District	Transducer		
P	2/10/2023		102.02	0.02	703.98	1	Groundwater Conservation District	Transducer		
P	2/11/2023		102.01	(0.01)	703.99	1	Groundwater Conservation District	Transducer		
P	2/12/2023		102.05	0.04	703.95	1	Groundwater Conservation District	Transducer		
P	2/13/2023		102.07	0.02	703.93	1	Groundwater Conservation District	Transducer		
P	2/14/2023		102.07	0.00	703.93	1	Groundwater Conservation District	Transducer		
P	2/15/2023		102.11	0.04	703.89	1	Groundwater Conservation District	Transducer		
P	2/16/2023		102	(0.11)	704	1	Groundwater Conservation District	Transducer		
P	2/17/2023		102.04	0.04	703.96	1	Groundwater Conservation District	Transducer		
P	2/18/2023		102.04	0.00	703.96	1	Groundwater Conservation District	Transducer		
P	2/19/2023		102.11	0.07	703.89	1	Groundwater Conservation District	Transducer		
P	2/20/2023		102.08	(0.03)	703.92	1	Groundwater Conservation District	Transducer		
P	2/21/2023		102.36	0.28	703.64	1	Groundwater Conservation District	Transducer		
P	2/22/2023		102.38	0.02	703.62	1	Groundwater Conservation District	Transducer		
P	2/23/2023		102.1	(0.28)	703.9	1	Groundwater Conservation District	Transducer		
P	2/24/2023		102.08	(0.02)	703.92	1	Groundwater Conservation District	Transducer		

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P	2/25/2023		102.1	0.02	703.9	1	Groundwater Conservation District	Transducer		
P	2/26/2023		102.13	0.03	703.87	1	Groundwater Conservation District	Transducer		
P	2/27/2023		102.09	(0.04)	703.91	1	Groundwater Conservation District	Transducer		
P	2/28/2023		102.16	0.07	703.84	1	Groundwater Conservation District	Transducer		
P	3/1/2023		102.33	0.17	703.67	1	Groundwater Conservation District	Transducer		
P	3/2/2023		102.28	(0.05)	703.72	1	Groundwater Conservation District	Transducer		
P	3/3/2023		102.36	0.08	703.64	1	Groundwater Conservation District	Transducer		
P	3/4/2023		102.36	0.00	703.64	1	Groundwater Conservation District	Transducer		
P	3/5/2023		102.28	(0.08)	703.72	1	Groundwater Conservation District	Transducer		
P	3/6/2023		102.26	(0.02)	703.74	1	Groundwater Conservation District	Transducer		
P	3/7/2023		102.22	(0.04)	703.78	1	Groundwater Conservation District	Transducer		
P	3/8/2023		102.26	0.04	703.74	1	Groundwater Conservation District	Transducer		
P	3/9/2023		102.21	(0.05)	703.79	1	Groundwater Conservation District	Transducer		
P	3/10/2023		102.33	0.12	703.67	1	Groundwater Conservation District	Transducer		
P	3/11/2023		102.39	0.06	703.61	1	Groundwater Conservation District	Transducer		
P	3/13/2023		102.21	(0.18)	703.79	1	Groundwater Conservation District	Transducer		
P	3/14/2023		102.29	0.08	703.71	1	Groundwater Conservation District	Transducer		
P	3/15/2023		102.25	(0.04)	703.75	1	Groundwater Conservation District	Transducer		
P	3/16/2023		102.21	(0.04)	703.79	1	Groundwater Conservation District	Transducer		
P	3/17/2023		102.24	0.03	703.76	1	Groundwater Conservation District	Transducer		
P	3/18/2023		102.18	(0.06)	703.82	1	Groundwater Conservation District	Transducer		
P	3/19/2023		102.22	0.04	703.78	1	Groundwater Conservation District	Transducer		
P	3/20/2023		102.25	0.03	703.75	1	Groundwater Conservation District	Transducer		
P	3/21/2023		102.25	0.00	703.75	1	Groundwater Conservation District	Transducer		
P	3/22/2023		102.18	(0.07)	703.82	1	Groundwater Conservation District	Transducer		
P	3/23/2023		102.28	0.10	703.72	1	Groundwater Conservation District	Transducer		
P	3/24/2023		102.44	0.16	703.56	1	Groundwater Conservation District	Transducer		

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P	3/25/2023		102.2	(0.24)	703.8	1	Groundwater Conservation District	Transducer		
P	3/26/2023		102.25	0.05	703.75	1	Groundwater Conservation District	Transducer		
P	3/27/2023		102.29	0.04	703.71	1	Groundwater Conservation District	Transducer		
P	3/28/2023		102.26	(0.03)	703.74	1	Groundwater Conservation District	Transducer		
P	3/29/2023		102.25	(0.01)	703.75	1	Groundwater Conservation District	Transducer		
P	3/30/2023		102.22	(0.03)	703.78	1	Groundwater Conservation District	Transducer		
P	3/31/2023		102.24	0.02	703.76	1	Groundwater Conservation District	Transducer		
P	4/1/2023		102.3	0.06	703.7	1	Groundwater Conservation District	Transducer		
P	4/2/2023		102.25	(0.05)	703.75	1	Groundwater Conservation District	Transducer		
P	4/3/2023		102.26	0.01	703.74	1	Groundwater Conservation District	Transducer		
P	4/4/2023		102.28	0.02	703.72	1	Groundwater Conservation District	Transducer		
P	4/5/2023		102.25	(0.03)	703.75	1	Groundwater Conservation District	Transducer		
P	4/6/2023		102.19	(0.06)	703.81	1	Groundwater Conservation District	Transducer		
P	4/7/2023		102.2	0.01	703.8	1	Groundwater Conservation District	Transducer		
P	4/8/2023		102.24	0.04	703.76	1	Groundwater Conservation District	Transducer		
P	4/9/2023		102.22	(0.02)	703.78	1	Groundwater Conservation District	Transducer		
P	4/10/2023		102.2	(0.02)	703.8	1	Groundwater Conservation District	Transducer		
P	4/11/2023		102.2	0.00	703.8	1	Groundwater Conservation District	Transducer		
P	4/12/2023		102.24	0.04	703.76	1	Groundwater Conservation District	Transducer		
P	4/13/2023		102.23	(0.01)	703.77	1	Groundwater Conservation District	Transducer		
P	4/14/2023		102.22	(0.01)	703.78	1	Groundwater Conservation District	Transducer		
P	4/15/2023		102.22	0.00	703.78	1	Groundwater Conservation District	Transducer		
P	4/16/2023		102.26	0.04	703.74	1	Groundwater Conservation District	Transducer		
P	4/17/2023		102.29	0.03	703.71	1	Groundwater Conservation District	Transducer		
P	4/18/2023		102.35	0.06	703.65	1	Groundwater Conservation District	Transducer		
P	4/19/2023		102.28	(0.07)	703.72	1	Groundwater Conservation District	Transducer		
P	4/20/2023		102.35	0.07	703.65	1	Groundwater Conservation District	Transducer		

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P	4/21/2023		102.24	(0.11)	703.76	1	Groundwater Conservation District	Transducer		
P	4/22/2023		102.28	0.04	703.72	1	Groundwater Conservation District	Transducer		
P	4/23/2023		102.29	0.01	703.71	1	Groundwater Conservation District	Transducer		
P	4/24/2023		102.21	(0.08)	703.79	1	Groundwater Conservation District	Transducer		
P	4/25/2023		102.28	0.07	703.72	1	Groundwater Conservation District	Transducer		
P	4/26/2023		102.28	0.00	703.72	1	Groundwater Conservation District	Transducer		
P	4/27/2023		102.26	(0.02)	703.74	1	Groundwater Conservation District	Transducer		
P	4/28/2023		102.32	0.06	703.68	1	Groundwater Conservation District	Transducer		
P	4/29/2023		102.25	(0.07)	703.75	1	Groundwater Conservation District	Transducer		
P	4/30/2023		102.35	0.10	703.65	1	Groundwater Conservation District	Transducer		
P	5/1/2023		102.39	0.04	703.61	1	Groundwater Conservation District	Transducer		
P	5/2/2023		102.4	0.01	703.6	1	Groundwater Conservation District	Transducer		
P	5/3/2023		102.34	(0.06)	703.66	1	Groundwater Conservation District	Transducer		
P	5/4/2023		102.36	0.02	703.64	1	Groundwater Conservation District	Transducer		
P	5/5/2023		102.4	0.04	703.6	1	Groundwater Conservation District	Transducer		
P	5/6/2023		102.38	(0.02)	703.62	1	Groundwater Conservation District	Transducer		
P	5/7/2023		102.36	(0.02)	703.64	1	Groundwater Conservation District	Transducer		
P	5/8/2023		102.29	(0.07)	703.71	1	Groundwater Conservation District	Transducer		
P	5/9/2023		102.31	0.02	703.69	1	Groundwater Conservation District	Transducer		
P	5/10/2023		102.33	0.02	703.67	1	Groundwater Conservation District	Transducer		
P	5/11/2023		102.42	0.09	703.58	1	Groundwater Conservation District	Transducer		
P	5/12/2023		102.31	(0.11)	703.69	1	Groundwater Conservation District	Transducer		
P	5/13/2023		102.3	(0.01)	703.7	1	Groundwater Conservation District	Transducer		
P	5/14/2023		102.28	(0.02)	703.72	1	Groundwater Conservation District	Transducer		
P	5/15/2023		102.31	0.03	703.69	1	Groundwater Conservation District	Transducer		
P	5/16/2023		102.29	(0.02)	703.71	1	Groundwater Conservation District	Transducer		
P	5/17/2023		102.41	0.12	703.59	1	Groundwater Conservation District	Transducer		

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Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	5/18/2023		101.84	(0.57)	704.16	1	Groundwater Conservation District	Transducer		
P	7/9/2023		104.35	2.51	701.65	1	Groundwater Conservation District	Transducer		
P	7/10/2023		104.33	(0.02)	701.67	1	Groundwater Conservation District	Transducer		
P	7/11/2023		104.3	(0.03)	701.7	1	Groundwater Conservation District	Transducer		
P	7/12/2023		104.37	0.07	701.63	1	Groundwater Conservation District	Transducer		
P	7/13/2023		104.32	(0.05)	701.68	1	Groundwater Conservation District	Transducer		
P	7/14/2023		104.33	0.01	701.67	1	Groundwater Conservation District	Transducer		
P	7/15/2023		104.5	0.17	701.5	1	Groundwater Conservation District	Transducer		
P	7/16/2023		104.41	(0.09)	701.59	1	Groundwater Conservation District	Transducer		
P	7/17/2023		104.49	0.08	701.51	1	Groundwater Conservation District	Transducer		
P	7/18/2023		104.42	(0.07)	701.58	1	Groundwater Conservation District	Transducer		
P	7/19/2023		104.28	(0.14)	701.72	1	Groundwater Conservation District	Transducer		
P	7/20/2023		104.25	(0.03)	701.75	1	Groundwater Conservation District	Transducer		
P	7/21/2023		104.28	0.03	701.72	1	Groundwater Conservation District	Transducer		
P	7/22/2023		104.4	0.12	701.6	1	Groundwater Conservation District	Transducer		
P	7/23/2023		104.35	(0.05)	701.65	1	Groundwater Conservation District	Transducer		
P	7/24/2023		104.42	0.07	701.58	1	Groundwater Conservation District	Transducer		
P	7/25/2023		104.33	(0.09)	701.67	1	Groundwater Conservation District	Transducer		
P	7/26/2023		104.33	0.00	701.67	1	Groundwater Conservation District	Transducer		
P	7/27/2023		104.34	0.01	701.66	1	Groundwater Conservation District	Transducer		
P	7/28/2023		104.4	0.06	701.6	1	Groundwater Conservation District	Transducer		
P	7/29/2023		104.44	0.04	701.56	1	Groundwater Conservation District	Transducer		
P	7/30/2023		104.49	0.05	701.51	1	Groundwater Conservation District	Transducer		
P	7/31/2023		104.4	(0.09)	701.6	1	Groundwater Conservation District	Transducer		
P	8/1/2023		104.4	0.00	701.6	1	Groundwater Conservation District	Transducer		
P	8/2/2023		104.47	0.07	701.53	1	Groundwater Conservation District	Transducer		
P	8/3/2023		104.48	0.01	701.52	1	Groundwater Conservation District	Transducer		



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P	8/4/2023		104.43	(0.05)	701.57	1	Groundwater Conservation District	Transducer		
P	8/5/2023		104.4	(0.03)	701.6	1	Groundwater Conservation District	Transducer		
P	8/6/2023		104.52	0.12	701.48	1	Groundwater Conservation District	Transducer		
P	8/7/2023		104.47	(0.05)	701.53	1	Groundwater Conservation District	Transducer		
P	8/8/2023		104.59	0.12	701.41	1	Groundwater Conservation District	Transducer		
P	8/9/2023		104.58	(0.01)	701.42	1	Groundwater Conservation District	Transducer		
P	8/10/2023		104.54	(0.04)	701.46	1	Groundwater Conservation District	Transducer		
P	8/11/2023		104.5	(0.04)	701.5	1	Groundwater Conservation District	Transducer		
P	8/12/2023		104.65	0.15	701.35	1	Groundwater Conservation District	Transducer		
P	8/13/2023		104.6	(0.05)	701.4	1	Groundwater Conservation District	Transducer		
P	8/14/2023		104.54	(0.06)	701.46	1	Groundwater Conservation District	Transducer		
P	8/15/2023		104.56	0.02	701.44	1	Groundwater Conservation District	Transducer		
P	8/16/2023		104.58	0.02	701.42	1	Groundwater Conservation District	Transducer		
P	8/17/2023		104.62	0.04	701.38	1	Groundwater Conservation District	Transducer		
P	8/18/2023		104.7	0.08	701.3	1	Groundwater Conservation District	Transducer		
P	8/19/2023		104.75	0.05	701.25	1	Groundwater Conservation District	Transducer		
P	8/20/2023		104.67	(0.08)	701.33	1	Groundwater Conservation District	Transducer		
P	8/21/2023		104.62	(0.05)	701.38	1	Groundwater Conservation District	Transducer		
P	8/22/2023		104.59	(0.03)	701.41	1	Groundwater Conservation District	Transducer		
P	8/23/2023		104.59	0.00	701.41	1	Groundwater Conservation District	Transducer		
P	8/24/2023		104.64	0.05	701.36	1	Groundwater Conservation District	Transducer		
P	8/25/2023		104.65	0.01	701.35	1	Groundwater Conservation District	Transducer		
P	8/26/2023		104.76	0.11	701.24	1	Groundwater Conservation District	Transducer		
P	8/27/2023		104.74	(0.02)	701.26	1	Groundwater Conservation District	Transducer		
P	8/28/2023		104.72	(0.02)	701.28	1	Groundwater Conservation District	Transducer		
P	8/29/2023		104.66	(0.06)	701.34	1	Groundwater Conservation District	Transducer		
P	8/30/2023		104.75	0.09	701.25	1	Groundwater Conservation District	Transducer		

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P	8/31/2023		104.79	0.04	701.21	1	Groundwater Conservation District	Transducer		
P	9/1/2023		104.76	(0.03)	701.24	1	Groundwater Conservation District	Transducer		
P	9/2/2023		104.71	(0.05)	701.29	1	Groundwater Conservation District	Transducer		
P	9/3/2023		104.75	0.04	701.25	1	Groundwater Conservation District	Transducer		
P	9/4/2023		104.87	0.12	701.13	1	Groundwater Conservation District	Transducer		
P	9/5/2023		104.87	0.00	701.13	1	Groundwater Conservation District	Transducer		
P	9/6/2023		104.82	(0.05)	701.18	1	Groundwater Conservation District	Transducer		
P	9/7/2023		104.81	(0.01)	701.19	1	Groundwater Conservation District	Transducer		
P	9/8/2023		104.79	(0.02)	701.21	1	Groundwater Conservation District	Transducer		
P	9/9/2023		104.78	(0.01)	701.22	1	Groundwater Conservation District	Transducer		
P	9/10/2023		104.77	(0.01)	701.23	1	Groundwater Conservation District	Transducer		
P	9/11/2023		104.84	0.07	701.16	1	Groundwater Conservation District	Transducer		
P	9/12/2023		104.74	(0.10)	701.26	1	Groundwater Conservation District	Transducer		
P	9/13/2023		104.73	(0.01)	701.27	1	Groundwater Conservation District	Transducer		
P	9/14/2023		104.72	(0.01)	701.28	1	Groundwater Conservation District	Transducer		
P	9/15/2023		104.71	(0.01)	701.29	1	Groundwater Conservation District	Transducer		
P	9/16/2023		104.67	(0.04)	701.33	1	Groundwater Conservation District	Transducer		
P	9/17/2023		104.67	0.00	701.33	1	Groundwater Conservation District	Transducer		
P	9/18/2023		104.68	0.01	701.32	1	Groundwater Conservation District	Transducer		
P	9/19/2023		104.62	(0.06)	701.38	1	Groundwater Conservation District	Transducer		
P	9/20/2023		104.82	0.20	701.18	1	Groundwater Conservation District	Transducer		
P	9/21/2023		104.67	(0.15)	701.33	1	Groundwater Conservation District	Transducer		
P	9/22/2023		104.72	0.05	701.28	1	Groundwater Conservation District	Transducer		
P	9/23/2023		104.77	0.05	701.23	1	Groundwater Conservation District	Transducer		
P	9/24/2023		105	0.23	701	1	Groundwater Conservation District	Transducer		
P	9/25/2023		104.91	(0.09)	701.09	1	Groundwater Conservation District	Transducer		
P	9/26/2023		104.8	(0.11)	701.2	1	Groundwater Conservation District	Transducer		

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P	9/27/2023		104.82	0.02	701.18	1	Groundwater Conservation District	Transducer		
P	9/28/2023		104.82	0.00	701.18	1	Groundwater Conservation District	Transducer		
P	9/29/2023		104.74	(0.08)	701.26	1	Groundwater Conservation District	Transducer		
P	9/30/2023		104.71	(0.03)	701.29	1	Groundwater Conservation District	Transducer		
P	10/1/2023		104.76	0.05	701.24	1	Groundwater Conservation District	Transducer		
P	10/2/2023		104.7	(0.06)	701.3	1	Groundwater Conservation District	Transducer		
P	10/3/2023		104.75	0.05	701.25	1	Groundwater Conservation District	Transducer		
P	10/4/2023		104.76	0.01	701.24	1	Groundwater Conservation District	Transducer		
P	10/5/2023		104.74	(0.02)	701.26	1	Groundwater Conservation District	Transducer		
P	10/6/2023		104.75	0.01	701.25	1	Groundwater Conservation District	Transducer		
P	10/7/2023		104.73	(0.02)	701.27	1	Groundwater Conservation District	Transducer		
P	10/8/2023		104.68	(0.05)	701.32	1	Groundwater Conservation District	Transducer		
P	10/9/2023		104.78	0.10	701.22	1	Groundwater Conservation District	Transducer		
P	10/10/2023		104.9	0.12	701.1	1	Groundwater Conservation District	Transducer		
P	10/11/2023		105.05	0.15	700.95	1	Groundwater Conservation District	Transducer		
P	10/12/2023		104.76	(0.29)	701.24	1	Groundwater Conservation District	Transducer		
P	10/13/2023		104.71	(0.05)	701.29	1	Groundwater Conservation District	Transducer		
P	10/14/2023		104.6	(0.11)	701.4	1	Groundwater Conservation District	Transducer		
P	10/15/2023		104.56	(0.04)	701.44	1	Groundwater Conservation District	Transducer		
P	10/16/2023		104.76	0.20	701.24	1	Groundwater Conservation District	Transducer		
P	10/17/2023		104.81	0.05	701.19	1	Groundwater Conservation District	Transducer		
P	10/18/2023		104.76	(0.05)	701.24	1	Groundwater Conservation District	Transducer		
P	10/19/2023		104.65	(0.11)	701.35	1	Groundwater Conservation District	Transducer		
P	10/20/2023		104.61	(0.04)	701.39	1	Groundwater Conservation District	Transducer		
P	10/21/2023		104.55	(0.06)	701.45	1	Groundwater Conservation District	Transducer		
P	10/22/2023		104.6	0.05	701.4	1	Groundwater Conservation District	Transducer		
P	10/23/2023		104.57	(0.03)	701.43	1	Groundwater Conservation District	Transducer		

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P	10/24/2023		104.53	(0.04)	701.47	1	Groundwater Conservation District	Transducer		
P	10/25/2023		104.48	(0.05)	701.52	1	Groundwater Conservation District	Transducer		
P	10/26/2023		104.55	0.07	701.45	1	Groundwater Conservation District	Transducer		
P	10/27/2023		104.51	(0.04)	701.49	1	Groundwater Conservation District	Transducer		
P	10/28/2023		104.45	(0.06)	701.55	1	Groundwater Conservation District	Transducer		
P	10/29/2023		104.54	0.09	701.46	1	Groundwater Conservation District	Transducer		
P	10/30/2023		104.45	(0.09)	701.55	1	Groundwater Conservation District	Transducer		
P	10/31/2023		104.34	(0.11)	701.66	1	Groundwater Conservation District	Transducer		
P	11/1/2023		104.31	(0.03)	701.69	1	Groundwater Conservation District	Transducer		
P	11/2/2023		104.26	(0.05)	701.74	1	Groundwater Conservation District	Transducer		
P	11/3/2023		104.28	0.02	701.72	1	Groundwater Conservation District	Transducer		
P	11/4/2023		104.28	0.00	701.72	1	Groundwater Conservation District	Transducer		
P	11/5/2023		104.36	0.08	701.64	1	Groundwater Conservation District	Transducer		
P	11/6/2023		104.33	(0.03)	701.67	1	Groundwater Conservation District	Transducer		
P	11/7/2023		104.3	(0.03)	701.7	1	Groundwater Conservation District	Transducer		
P	11/8/2023		104.32	0.02	701.68	1	Groundwater Conservation District	Transducer		
P	11/9/2023		104.32	0.00	701.68	1	Groundwater Conservation District	Transducer		
P	11/10/2023		104.24	(0.08)	701.76	1	Groundwater Conservation District	Transducer		
P	11/11/2023		104.29	0.05	701.71	1	Groundwater Conservation District	Transducer		
P	11/12/2023		104.22	(0.07)	701.78	1	Groundwater Conservation District	Transducer		
P	11/13/2023		104.2	(0.02)	701.8	1	Groundwater Conservation District	Transducer		
P	11/14/2023		104.21	0.01	701.79	1	Groundwater Conservation District	Transducer		
P	11/15/2023		104.23	0.02	701.77	1	Groundwater Conservation District	Transducer		
P	11/16/2023		104.24	0.01	701.76	1	Groundwater Conservation District	Transducer		
P	11/17/2023		104.21	(0.03)	701.79	1	Groundwater Conservation District	Transducer		
P	11/18/2023		104.23	0.02	701.77	1	Groundwater Conservation District	Transducer		
P	11/19/2023		104.31	0.08	701.69	1	Groundwater Conservation District	Transducer		

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P	11/20/2023		104.23	(0.08)	701.77	1	Groundwater Conservation District	Transducer		
P	11/21/2023		104.35	0.12	701.65	1	Groundwater Conservation District	Transducer		
P	11/22/2023		104.25	(0.10)	701.75	1	Groundwater Conservation District	Transducer		
P	11/23/2023		104.45	0.20	701.55	1	Groundwater Conservation District	Transducer		
P	11/24/2023		104.28	(0.17)	701.72	1	Groundwater Conservation District	Transducer		
P	11/25/2023		104.35	0.07	701.65	1	Groundwater Conservation District	Transducer		
P	11/26/2023		104.29	(0.06)	701.71	1	Groundwater Conservation District	Transducer		
P	11/27/2023		104.18	(0.11)	701.82	1	Groundwater Conservation District	Transducer		
P	11/28/2023		104.26	0.08	701.74	1	Groundwater Conservation District	Transducer		
P	11/29/2023		104.26	0.00	701.74	1	Groundwater Conservation District	Transducer		
P	11/30/2023		104.28	0.02	701.72	1	Groundwater Conservation District	Transducer		
P	12/1/2023		104.25	(0.03)	701.75	1	Groundwater Conservation District	Transducer		
P	12/2/2023		104.18	(0.07)	701.82	1	Groundwater Conservation District	Transducer		
P	12/3/2023		104.16	(0.02)	701.84	1	Groundwater Conservation District	Transducer		
P	12/4/2023		104.21	0.05	701.79	1	Groundwater Conservation District	Transducer		
P	12/5/2023		104.18	(0.03)	701.82	1	Groundwater Conservation District	Transducer		
P	12/6/2023		104.25	0.07	701.75	1	Groundwater Conservation District	Transducer		
P	12/7/2023		104.37	0.12	701.63	1	Groundwater Conservation District	Transducer		
P	12/8/2023		104.33	(0.04)	701.67	1	Groundwater Conservation District	Transducer		
P	12/9/2023		104.24	(0.09)	701.76	1	Groundwater Conservation District	Transducer		
P	12/10/2023		104.36	0.12	701.64	1	Groundwater Conservation District	Transducer		
P	12/11/2023		104.39	0.03	701.61	1	Groundwater Conservation District	Transducer		
P	12/12/2023		104.41	0.02	701.59	1	Groundwater Conservation District	Transducer		
P	12/13/2023		104.36	(0.05)	701.64	1	Groundwater Conservation District	Transducer		
P	12/14/2023		104.33	(0.03)	701.67	1	Groundwater Conservation District	Transducer		
P	12/15/2023		104.21	(0.12)	701.79	1	Groundwater Conservation District	Transducer		
P	12/16/2023		104.19	(0.02)	701.81	1	Groundwater Conservation District	Transducer		

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P	12/17/2023		104.48	0.29	701.52	1	Groundwater Conservation District	Transducer		
P	12/18/2023		104.28	(0.20)	701.72	1	Groundwater Conservation District	Transducer		
P	12/19/2023		104.33	0.05	701.67	1	Groundwater Conservation District	Transducer		
P	12/20/2023		104.31	(0.02)	701.69	1	Groundwater Conservation District	Transducer		
P	12/21/2023		104.37	0.06	701.63	1	Groundwater Conservation District	Transducer		
P	12/22/2023		104.28	(0.09)	701.72	1	Groundwater Conservation District	Transducer		
P	12/23/2023		104.24	(0.04)	701.76	1	Groundwater Conservation District	Transducer		
P	12/24/2023		104.23	(0.01)	701.77	1	Groundwater Conservation District	Transducer		
P	12/25/2023		104.33	0.10	701.67	1	Groundwater Conservation District	Transducer		
P	12/26/2023		104.28	(0.05)	701.72	1	Groundwater Conservation District	Transducer		
P	12/27/2023		104.25	(0.03)	701.75	1	Groundwater Conservation District	Transducer		
P	12/28/2023		104.17	(0.08)	701.83	1	Groundwater Conservation District	Transducer		
P	12/29/2023		104.15	(0.02)	701.85	1	Groundwater Conservation District	Transducer		
P	12/30/2023		104.5	0.35	701.5	1	Groundwater Conservation District	Transducer		
P	12/31/2023		104.26	(0.24)	701.74	1	Groundwater Conservation District	Transducer		
P	1/1/2024		104.19	(0.07)	701.81	1	Groundwater Conservation District	Transducer		
P	1/2/2024		104.2	0.01	701.8	1	Groundwater Conservation District	Transducer		
P	1/3/2024		104.14	(0.06)	701.86	1	Groundwater Conservation District	Transducer		
P	1/4/2024		104.25	0.11	701.75	1	Groundwater Conservation District	Transducer		
P	1/5/2024		104.2	(0.05)	701.8	1	Groundwater Conservation District	Transducer		
P	1/6/2024		104.19	(0.01)	701.81	1	Groundwater Conservation District	Transducer		
P	1/7/2024		104.2	0.01	701.8	1	Groundwater Conservation District	Transducer		
P	1/8/2024		104.29	0.09	701.71	1	Groundwater Conservation District	Transducer		
P	1/9/2024		104.21	(0.08)	701.79	1	Groundwater Conservation District	Transducer		

### Code Descriptions

Status Code	Status Description
P	Publishable



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Water Quality Analysis - No Data Available

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GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<https://www.twdb.texas.gov/groundwater/data/gwdb rpt.asp>) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at [GroundwaterData@twdb.texas.gov](mailto:GroundwaterData@twdb.texas.gov).

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[GWDB Reports and Downloads](#)

**Well Basic Details**

[Scanned Documents](#)

State Well Number	5740402
County	Travis
River Basin	Colorado
Groundwater Management Area	9
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Southwestern Travis County GCD
Latitude (decimal degrees)	30.426944
Latitude (degrees minutes seconds)	30° 25' 37" N
Longitude (decimal degrees)	-98.092778
Longitude (degrees minutes seconds)	098° 05' 34" W
Coordinate Source	+/- 10 Seconds
Aquifer Code	217HSTN - Hosston Formation
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	740
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	215
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	0/0/1963
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	I.W. McElroy
Driller	Roy Farrer
Other Data Available	Drillers Log; Specific Capacity
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	10/20/1998
Last Update Date	3/4/2020

**Remarks** Reported yield 15 GPM with 20 feet drawdown after pumping 1/2 hour in 1963. Specific capacity 0.75.

**Casing - No Data**

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

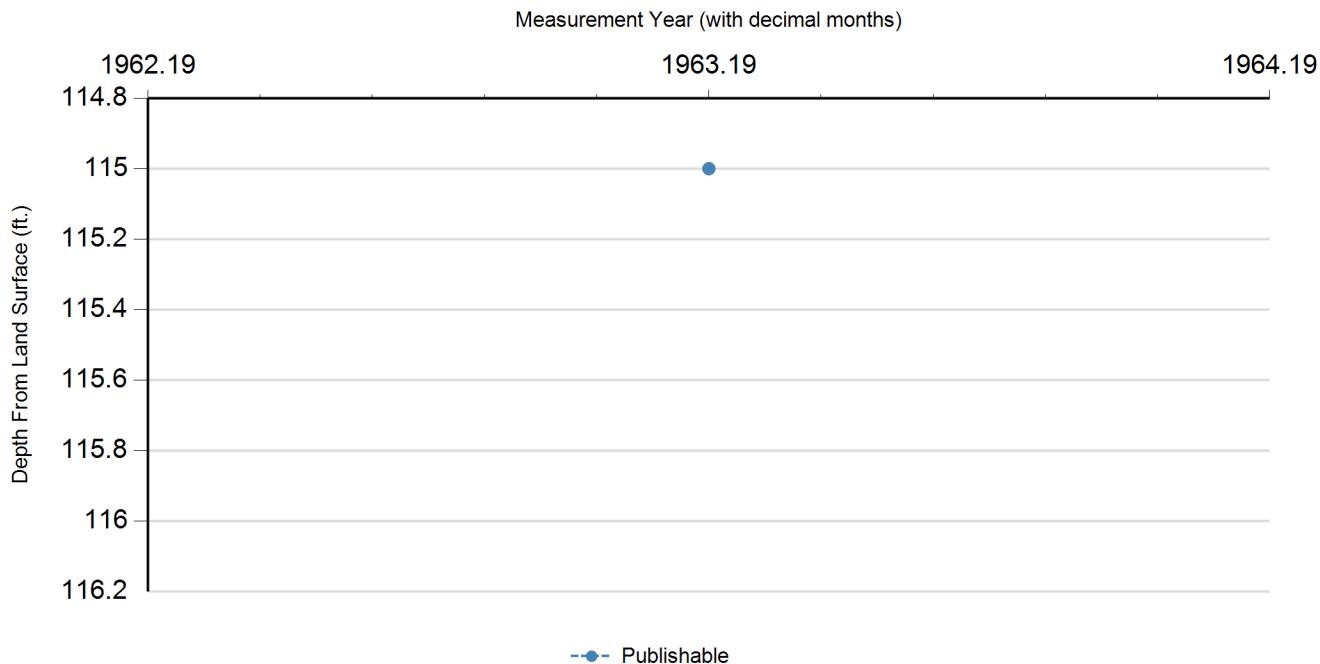
**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/8/1963		115		625	1	Other or Source of Measurement Unknown	Unknown		

### Code Descriptions

Status Code	Status Description
P	Publishable

### Water Quality Analysis

**Sample Date:** 10/13/1970    **Sample Time:** 0000    **Sample Number:** 1    **Collection Entity:** Texas Water Development Board

**Sampled Aquifer:** Hosston Formation

**Analyzed Lab:** Texas Department of Health

**Reliability:** Collected from pumped well, but not filtered or preserved

**Collection Remarks:** No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO <sub>3</sub> )		570	mg/L as CaCO <sub>3</sub>	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO <sub>3</sub> )		695.6	mg/L	
00910	CALCIUM (MG/L)		138	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO <sub>3</sub> )		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		125	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO <sub>3</sub> )		714	mg/L as CaCO <sub>3</sub>	
00920	MAGNESIUM (MG/L)		90	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO <sub>3</sub> )	<	0.4	mg/L as NO <sub>3</sub>	
00400	PH (STANDARD UNITS), FIELD		7.1	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SiO <sub>2</sub> )		15	mg/L as SiO <sub>2</sub>	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.41		
00932	SODIUM, CALCULATED, PERCENT		31	PCT	
00929	SODIUM, TOTAL (MG/L AS Na)		148	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		2147	MICR	
00945	SULFATE, TOTAL (MG/L AS SO <sub>4</sub> )		282	mg/L as SO <sub>4</sub>	
00010	TEMPERATURE, WATER (CELSIUS)		22	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		1141	mg/L	

\* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

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State Well Number	5740408
County	Travis
River Basin	Colorado
Groundwater Management Area	9
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Southwestern Travis County GCD
Latitude (decimal degrees)	30.458056
Latitude (degrees minutes seconds)	30° 27' 29" N
Longitude (decimal degrees)	-98.092222
Longitude (degrees minutes seconds)	098° 05' 32" W
Coordinate Source	+/- 1 Second
Aquifer Code	217HSTN - Hosston Formation
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	791
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	400
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	10/4/1985
Drilling Method	Air Rotary
Borehole Completion	Open Hole

Well Type	Withdrawal of Water
Well Use	Plugged or Destroyed
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Barton Creek Lakeside
Driller	Associated Drilling
Other Data Available	Drillers Log; Specific Capacity
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	10/20/1998
Last Update Date	3/4/2020

Remarks	Owner's #2 well. Plugged public supply well. Measured yield 50 GPM with 225 feet drawdown after pump- ing 48 hours in 1985. Cemented from 0 to 20 feet. Specific capacity 0.67.
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<b>Casing</b>						
Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
9	Blank	Steel			0	125
9	Screen				125	235
	Open Hole				235	400

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

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**Water Level Measurements**

No Data Available



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Water Quality Analysis - No Data Available

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State Well Number	5740411
County	Travis
River Basin	Colorado
Groundwater Management Area	9
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Southwestern Travis County GCD
Latitude (decimal degrees)	30.437222
Latitude (degrees minutes seconds)	30° 26' 14" N
Longitude (decimal degrees)	-98.093334
Longitude (degrees minutes seconds)	098° 05' 36" W
Coordinate Source	+/- 1 Second
Aquifer Code	217HSTN - Hosston Formation
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	768
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	205
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	6/21/1989
Drilling Method	Air Rotary
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Paleface Pedernales W.S.C.
Driller	Highland Drilling Co
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G2270111C
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	7/27/1994
Last Update Date	3/4/2020

**Remarks** Owner's #3 well. Estimated yield 2 GPM in 1989.

### Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
5	Blank	Plastic (PVC)			0	165
5	Screen	Plastic (PVC)			165	200
7	Open Hole				200	205

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

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**Water Level Measurements**

No Data Available

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Water Quality Analysis - No Data Available

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State Well Number	5740412
County	Travis
River Basin	Colorado
Groundwater Management Area	9
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Southwestern Travis County GCD
Latitude (decimal degrees)	30.436667
Latitude (degrees minutes seconds)	30° 26' 12" N
Longitude (decimal degrees)	-98.092222
Longitude (degrees minutes seconds)	098° 05' 32" W
Coordinate Source	+/- 1 Second
Aquifer Code	217HSTN - Hosston Formation
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	712
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	180
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1964
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	None
Water Quality Available	No
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Paleface Pedernales WSC
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G2270111A
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	7/27/1994
Last Update Date	3/4/2020

Remarks Owner's #1 well.

**Casing - No Data**

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

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**Water Level Measurements**

No Data Available



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Water Quality Analysis - No Data Available

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State Well Number	5740415
County	Travis
River Basin	Colorado
Groundwater Management Area	9
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Southwestern Travis County GCD
Latitude (decimal degrees)	30.4465083
Latitude (degrees minutes seconds)	30° 26' 47.43" N
Longitude (decimal degrees)	-98.0844167
Longitude (degrees minutes seconds)	098° 05' 03.9" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	217HSTN - Hosston Formation
Aquifer	Trinity
Aquifer Pick Method	Provided by Groundwater Conservation District
Land Surface Elevation (feet above sea level)	718
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	118
Well Depth Source	Memory of Owner
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Glen Zapalac
Driller	
Other Data Available	Specific Capacity
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Groundwater Conservation District
Created Date	11/8/2018
Last Update Date	3/4/2020

Remarks	Specific capacity 19.7 GPM/ft.
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**Casing - No Data**

Well Tests				
Test Date	Test Type	Yield (gallons per minute)	Drawdown (ft.)	Test Hours
11/6/2018	Pump	15	0.76	0.5

**Lithology - No Data**

**Annular Seal Range - No Data**

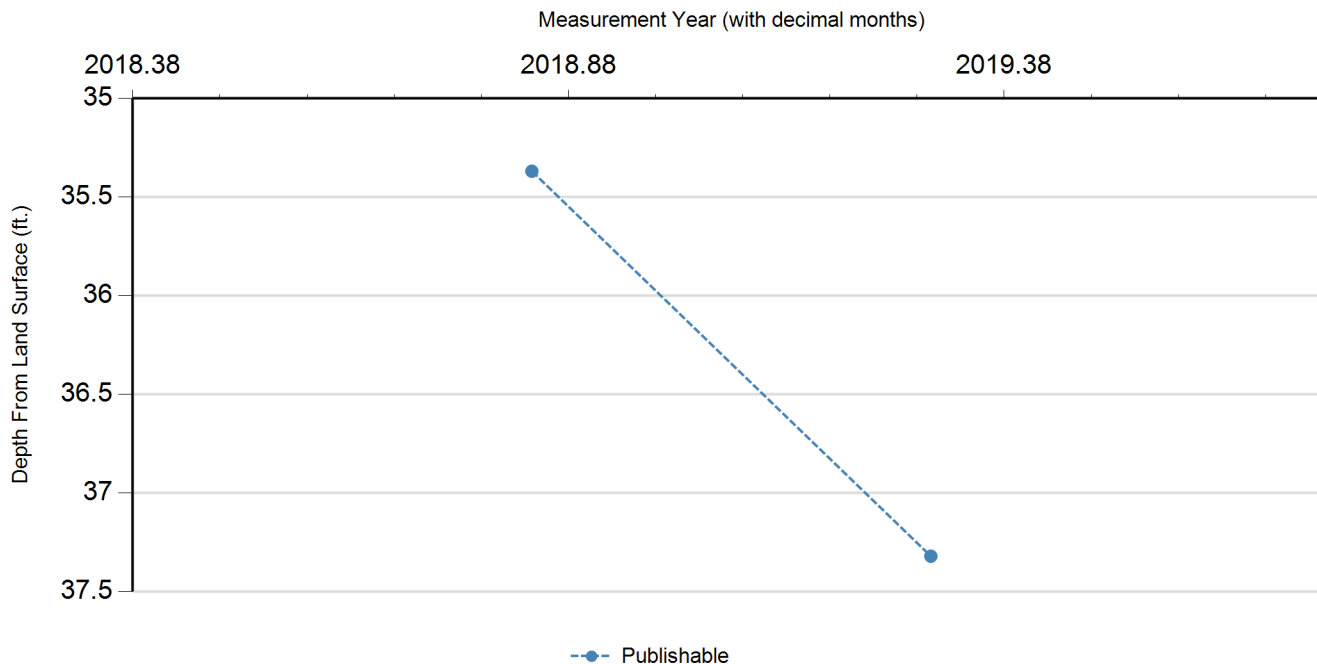
**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**

### Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	11/6/2018		35.37		682.63	1	Groundwater Conservation District	Electric Line		
P	4/18/2019	1110	37.32	1.95	680.68	1	Groundwater Conservation District	Electric Line		

### Code Descriptions

Status Code	Status Description
P	Publishable

### Water Quality Analysis

**Sample Date:** 11/6/2018    **Sample Time:** 1030    **Sample Number:** 1    **Collection Entity:** Barton Springs/Edwards Aquifer CD

**Sampled Aquifer:** Hosston Formation

**Analyzed Lab:** LCRA - Lower Colorado River Authority

**Reliability:** Sampled using TWDB protocols

**Collection Remarks:** Lab Calculated Anion/Cation Chg Bal set to TWDB Calculated Value due to an error in the lab calculated formula

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00425	ALKALINITY, BICARBONATE DISSOLVED (MG/L), LAB		446	mg/L	
00430	ALKALINITY, CARBONATE DISSOLVED (MG/L), LAB		0	mg/L	
00420	ALKALINITY, HYDROXIDE DISSOLVED (MG/L), LAB		0	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO <sub>3</sub> )		446	mg/L as CaCO <sub>3</sub>	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	5	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		-2.4379	PCT	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	1	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		143	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO <sub>3</sub> )		544.274	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)	<	50	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.506	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		155	mg/L	
28004	CARBON-14 DISS APPARENT AGE (YEARS BP)		190	Y-BP	
82172	CARBON-14 FRACTION MODERN		1.024		0.0037
00445	CARBONATE ION, CALCULATED (MG/L AS CO <sub>3</sub> )		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		85	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	1	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)		9.68	ug/L	
82081	DELTA CARBON 13 C13/C12 PER MIL		-9.7	0/00	
50791	DEUTERIUM, EXPRESSED AS PERMIL VSMOW		-24.6	0/00	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.0865	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO <sub>3</sub> )		574.201	mg/L as CaCO <sub>3</sub>	
01046	IRON, DISSOLVED (UG/L AS FE)	<	50	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		11.9	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		45.2	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	ug/L	

**Texas Water Development Board (TWDB)  
Groundwater Database (GWDB)  
Well Information Report for State Well Number  
57-40-415**

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
71890	MERCURY, DISSOLVED (UG/L AS HG)		0.943	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	1	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		7.437	mg/L as NO3	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)		1.68	mg/L as N	
50790	OXYGEN-18, EXPRESSED AS PERMIL VSMOW		-4.18	0/00	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	<	0.02	mg/L as P	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		4.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	5	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SiO2)		18.1	mg/L as SiO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.616		
00932	SODIUM, CALCULATED, PERCENT		11.406	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		33.9	mg/L	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		813	ug/L	
48297	STRONTIUM, ISOTOPE OF MASS 86 AND 87 RATIO		0.7088773	N/A	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		109	mg/L as SO4	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		726.556	mg/L	
07012	TRITIUM IN WATER (TRITIUM UNITS)		1.8	TU	0.09
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)		1.81	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		2.48	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	5	ug/L	

\* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

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State Well Number	5740705
County	Travis
River Basin	Colorado
Groundwater Management Area	9
Regional Water Planning Area	K - Lower Colorado
Groundwater Conservation District	Barton Springs/Edwards Aquifer CD
Latitude (decimal degrees)	30.4162194
Latitude (degrees minutes seconds)	30° 24' 58.39" N
Longitude (decimal degrees)	-98.1017806
Longitude (degrees minutes seconds)	098° 06' 06.41" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	
Aquifer	Unassigned
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	775
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	
Well Depth Source	
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	
Water Quality Available	Yes
Pump	
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Austin Golf Club
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G2270344C
Groundwater Conservation District Well Number	
Owner Well Number	#3 Las Casitas
Other Well Number	
Previous State Well Number	
Reporting Agency	Groundwater Conservation District
Created Date	4/17/2019
Last Update Date	4/17/2019

Remarks	
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**Casing - No Data**

**Well Tests - No Data**

**Lithology - No Data**

**Annular Seal Range - No Data**

**Borehole - No Data**

**Plugged Back - No Data**

**Filter Pack - No Data**

**Packers - No Data**



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**Water Level Measurements**

No Data Available

### Water Quality Analysis

**Sample Date:** 4/17/2019    **Sample Time:** 0900    **Sample Number:** 1    **Collection Entity:** Barton Springs/Edwards Aquifer CD

**Sampled Aquifer:**

**Analyzed Lab:** LCRA - Lower Colorado River Authority

**Reliability:** Sampled using TWDB protocols

**Collection Remarks:** No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
28004	CARBON-14 DISS APPARENT AGE (YEARS BP)		16700	Y-BP	
82172	CARBON-14 FRACTION MODERN		0.125		0.0008
82081	DELTA CARBON 13 C13/C12 PER MIL		-7.5	0/00	
50791	DEUTERIUM, EXPRESSED AS PERMIL VSMOW		-26.1	0/00	
50790	OXYGEN-18, EXPRESSED AS PERMIL VSMOW		-4.34	0/00	
07012	TRITIUM IN WATER (TRITIUM UNITS)		0.04	TU	0.09

\* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

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## STATE OF TEXAS WELL REPORT for Tracking #696

Owner:	<b>Doss Comm. Improv. Club Inc.</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3419 Manor Rd. Harper, TX 78631</b>	Grid #:	<b>56-39-6</b>
Well Location:	<b>Well S/E of Fire Dept. on lot Doss, TX</b>	Latitude:	<b>30° 26' 37.08" N</b>
Well County:	<b>Gillespie</b>	Longitude:	<b>099° 07' 49.04" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Public Supply</b>

Drilling Start Date: **9/13/2000**

Drilling End Date: **4/6/2001**

Plans Approved by TCEQ - **YES**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>12</b>	<b>0</b>	<b>47</b>
<b>10</b>	<b>47</b>	<b>177</b>
<b>6.75</b>	<b>177</b>	<b>178</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>177</b>	<b>40</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **150+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measure**

Surface Completion: **Surface Slab Installed**

Water Level: **60 ft. below land surface on 2001-04-06** Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible** Pump Depth (ft.): **400**

Well Tests: **Jetted** Yield: **22 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
650-880	good (580 ppmTDS)

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **Yes**

Top Depth (ft.)	Bottom Depth (ft.)	Natural Injurious Constituents	Unnatural Injurious Constituents
150	150	Unknown	

**The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Virdell Drilling Inc.**  
**111 E. Grayson St.**  
**Llano, TX 78643**

Driller Name: **Taylor Virdell, Jr.** License Number: **1900**

Comments: **Encountered bad water at 150' - 13 GPM**  
**Additional to "Diameter of Hole": 6" from 178 - 880**

**Report Amended on 3/17/2025 by Request #44625**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Topsoil
2	7	Caliche & Gravel
7	17	Clay-Brown & Gravel
17	25	Gravel
25	45	Sand
45	52	Clay-Red & Limestone Ledges
52	60	Limestone-Gray & Limestone-Brown
60	155	Dark Limestone-Gray Glauconitic
155	190	Dark and Medium Sandy Limestone-Gray
190	250	Dark and Medium Limestone-Gray with Shale Streak

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
10"	N	Steel -2	- 47 .188
6"	N	PVC +3	- 178 sch 40

250	315	Light & Dark Limestone-Gray & Glauconitic (Morgan Creek)
315	330	Medium & Dark Limestone-Grey Glauconitic w/ Red Streaks
330	347	Sandstone-Gray (Welge)
347	365	Dark Sandstone-Gray w/ Limestone Ledges (Lion Mt.)
365	420	Light and Dark Limestone-Gray w/ Glauconitic Sandstone (Cap Mt.)
420	500	Lt. gray & Brown Limestone Streaks
500	650	Gray sandy Limestone w/ gray sandstone Streaks
650	720	Red & Gray Sandstone (Hickory)
720	780	Red and Brown Sandstone
780	880	Gray-green Sandstone

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #9666

Owner: **RICK GARDNER # 1** Owner Well #: **001**  
Address: **3516 TANGLEY  
HOUSTON, TX 77005** Grid #: **57-40-4**  
Well Location: **25242 PALEFACE LAKE DR.  
SPICEWOOD, TX 78669** Latitude: **30° 25' 22" N**  
Longitude: **098° 05' 39" W**  
Well County: **Travis** Elevation: **1200 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #106255**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/21/2002** Drilling End Date: **6/21/2002**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>10</b>
	<b>6.125</b>	<b>10</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>3</b>	<b>3</b>

Seal Method: **N/A**

Distance to Property Line (ft.): **No Data**

Sealed By: **BOBBY ROBERTS**

Distance to Septic Field or other  
concentrated contamination (ft.): **0**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **N/A**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data on 2002-06-21**

Measurement Method: **Unknown**

Packers: **N/A**

Type of Pump: **NONE**

Well Tests: **Jetted** **Yield: 0 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>NONE 0 3 CEMENT 3</b>		



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING, INC.**  
**185 ANGELFIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR**

License Number: **54416**

Apprentice Name: **BOBBY ROBERTS**

Apprentice Number: **WWDAPP00001**  
**234**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>10</b>	<b>CALICHE</b>
<b>10</b>	<b>30</b>	<b>RED ROCK</b>
<b>30</b>	<b>33</b>	<b>CAVE</b>
<b>33</b>	<b>60</b>	<b>NO RETURN</b>
<b>60</b>	<b>80</b>	<b>BLUE SHALE</b>
<b>80</b>	<b>100</b>	<b>RED ROCK</b>
<b>100</b>	<b>110</b>	<b>RED ROCK</b>
<b>110</b>	<b>120</b>	<b>SANDSTONE</b>
<b>120</b>	<b>160</b>	<b>RED ROCK</b>
<b>160</b>	<b>200</b>	<b>TAN SHALE</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>NONE</b>			

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**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #9667

Owner: **RICK GARDNER # 2** Owner Well #: **001**  
Address: **3516 TANGLEY  
HOUSTON, TX 77005** Grid #: **57-40-4**  
Well Location: **25242 PALEFACE LAKE DR.  
SPICEWOOD, TX 78669** Latitude: **30° 25' 23" N**  
Longitude: **098° 05' 38" W**  
Well County: **Travis** Elevation: **1200 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #106256**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/21/2002** Drilling End Date: **6/21/2002**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>10</b>
	<b>6.125</b>	<b>10</b>	<b>155</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>3</b>	<b>3</b>

Seal Method: **N/A**

Distance to Property Line (ft.): **No Data**

Sealed By: **BOBBY ROBERTS**

Distance to Septic Field or other  
concentrated contamination (ft.): **0**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **N/A**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data on 2002-06-21**

Measurement Method: **Unknown**

Packers: **N/A**

Type of Pump: **NONE**

Well Tests: **Jetted** **Yield: 0 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>NONE 0 3 CEMENT 3</b>		

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING, INC.**  
**185 ANGELFIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR**

License Number: **54416**

Apprentice Name: **BOBBY ROBERTS**

Apprentice Number: **WWDAPP00001**  
**234**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>10</b>	<b>GREY ROCK</b>
<b>10</b>	<b>15</b>	<b>CALICHE</b>
<b>15</b>	<b>35</b>	<b>GREY LIMESTONE</b>
<b>35</b>	<b>80</b>	<b>GREY SHALE</b>
<b>80</b>	<b>95</b>	<b>TAN SHALE</b>
<b>95</b>	<b>115</b>	<b>RED ROCK</b>
<b>115</b>	<b>120</b>	<b>TAN CLAY</b>
<b>120</b>	<b>145</b>	<b>RED ROCK</b>
<b>145</b>	<b>155</b>	<b>TAN ROCK</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>NONE</b>			

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #11657

Owner: **Vicki Schnabel**

Owner Well #: **No Data**

Address: **100 Spanish Oak Trail  
Spicewood, TX 78669**

Grid #: **57-40-4**

Well Location: **Nomad Drive  
Spicewood, TX 78669**

Latitude: **30° 25' 39" N**

Longitude: **098° 05' 33" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **4/23/2002**

Drilling End Date: **4/23/2002**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6</b>	<b>100</b>	<b>225</b>
	<b>0</b>	<b>0</b>	<b>10</b>

Drilling Method: **Air Rotary**

Borehole Completion: **cased**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>12</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **as per landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 115',110'**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 7-8 GPM**



Water Quality:

Strata Depth (ft.)	Water Type
115-215	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael Becker**

License Number: **54516**

Apprentice Name: **Andrew Johnson**

Apprentice Number: **1116**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Top Soil
2	30	Wht Cryt. LS
30	65	Gry LS w/Clay
65	92	Blue Clay
92	115	Red Clay-Wht LS
115	127	Red Sandstone
127	138	Gravel (H20)
138	145	Red Clay SS
145	175	Gravel (H20)
175	200	Tan LS
200	215	Red Sandstone
215	225	Tan Clay-Blue Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5 New PVC +2 to 225 Sch40			

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## STATE OF TEXAS WELL REPORT for Tracking #16952

Owner:	<b>SUNRISE CUSTOM HOMES</b>	Owner Well #:	<b>001</b>
Address:	<b>22227 OBAN DR. AUSTIN, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>LOT 25 ESTATES ABOVE FALL CREEK SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 24' 24" N</b>
		Longitude:	<b>098° 06' 40" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>843 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **1/6/2003**

Drilling End Date: **1/6/2003**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>9.875</b>	<b>0</b>	<b>13</b>
	<b>6.5</b>	<b>13</b>	<b>228</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>0</b>	<b>10</b>	<b>12</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **168 ft. below land surface on 2003-01-07** Measurement Method: **Unknown**

Packers: **PLASTIC 10  
PLASTIC 193**

Type of Pump: **Submersible** Pump Depth (ft.): **200**

Well Tests: **Jetted** Yield: **4 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING, INC.**  
**185 ANGELFIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **BOBBY ROBERTS** License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>TOPSOIL</b>
<b>1</b>	<b>14</b>	<b>CALICHE</b>
<b>14</b>	<b>45</b>	<b>RED CLAY</b>
<b>45</b>	<b>85</b>	<b>RED ROCK</b>
<b>85</b>	<b>108</b>	<b>GREY LIMESTONE</b>
<b>108</b>	<b>150</b>	<b>BLUE CLAY</b>
<b>150</b>	<b>192</b>	<b>RED CLAY</b>
<b>192</b>	<b>219</b>	<b>RED ROCK W/B 4 GPM</b>
<b>219</b>	<b>222</b>	<b>RED CLAY</b>
<b>222</b>	<b>227</b>	<b>RED ROCK</b>
<b>227</b>	<b>228</b>	<b>BLACK ROCK</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0 - 200</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG.</b>	<b>200 - 220</b>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>220 - 228</b>

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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #19564

Owner: **Pedernales Fire Dept. ATTN: Ken VanRens**

Owner Well #: **No Data**

Address: **801 Bee Creek Road  
Spicewood, TX 78669**

Grid #: **57-40-4**

Well Location: **311 Paleface Ranch  
Spicewood, TX 78669**

Latitude: **30° 26' 32" N**

Longitude: **098° 05' 59" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **9/6/2002**

Drilling End Date: **9/6/2002**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>20</b>
<b>6</b>	<b>20</b>	<b>230</b>

Drilling Method: **Air Rotary**

Borehole Completion: **cased**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>20</b>	<b>4</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **as per landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 117',114',20'**

Type of Pump: **No Data**

Well Tests: **Unknown** **Yield: 9-10 GPM**



Water Quality:

Strata Depth (ft.)	Water Type
118-210	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael Becker** License Number: **54516**

Apprentice Name: **Andrew Johnson** Apprentice Number: **1116**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	15	Tan Clay
15	27	Tan Red Clay w/Wht LS
27	70	Tan Wht LS
70	85	Gry LS
85	107	Blue Clay
107	118	Gry Sand-Blue Clay
118	128	Red SS-Clay
128	141	Gravel-Sand (H20)
141	158	Red Clay
158	210	Gravel-Sand (H20)
210	225	Tan LS-Clay
225	230	Blue Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5 New PVC +2 to 230 SDR17			

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #23609

Owner: **David Searcy**

Owner Well #: **No Data**

Address: **24428 Pedernales Drive  
Spicewood, TX 78669**

Grid #: **57-40-1**

Well Location: **24428 Pedernales Drive  
Spicewood, TX 78669**

Latitude: **30° 28' 04" N**

Longitude: **098° 05' 35" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/25/2003**

Drilling End Date: **7/25/2003**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>230</b>

Drilling Method: **Air Rotary**

Borehole Completion: **cased**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 140', 130', 20'**

Type of Pump: **Submersible**

Pump Depth (ft.): **200**

Well Tests: **Estimated**      **Yield: 60 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
140' - 220'	Trinity

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael Becker** License Number: **54516**

Apprentice Name: **Andrew Johnson** Apprentice Number: **1116**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	3	Gravel
3	13	Caliche
13	35	Sand-Gravel
35	45	Tan LS
45	50	Tan-Gry LS
50	57	Gry LS
57	65	Gry Clay
65	75	Tan Clay
75	95	Gry Clay
95	120	Red Clay-Tan LS
120	140	Red Clay-Red SS
140	150	Gravel (H2O)
150	160	Red SS
160	198	Gravel (H2O)
198	205	Red-Tan SS
205	220	Gravel (H2O)
220	225	Tan LS

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5" (5"OD)	New	PVC +2 to 230' Sch40	

225	230	Tan Clay
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## STATE OF TEXAS WELL REPORT for Tracking #33024

Owner: **Danny and Melonie Watts**

Owner Well #: **No Data**

Address: **410 Dasher  
Austin, TX 78734**

Grid #: **57-40-4**

Well Location: **804 Rivercliff Drive  
Spicewood, TX 78669**

Latitude: **30° 25' 16" N**

Longitude: **098° 05' 26" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/16/2003**

Drilling End Date: **8/1/2003**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>98</b>	<b>200</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:			<b>9 Portland</b>
	<b>0</b>	<b>98</b>	<b>4 Benseal</b>

Seal Method: **Pressure Grout**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **non-existent**

Surface Completion: **Surface Sleeve Installed**

Water Level: **100 ft. below land surface on 2003-07-22** Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**

Pump Depth (ft.): **160**

Well Tests: **Jetted** **Yield: 10 GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>105-112</b>	<b>unkown</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle WSI**  
**P. O. Box 525**  
**Dripping Springs, TX 78620**

Driller Name: **Fred Smith** License Number: **54437**

Comments: **\$dfs**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>22</b>	<b>Hard White Limestone</b>
<b>10</b>	<b>12</b>	<b>GPM</b>
<b>22</b>	<b>34</b>	<b>Limestone/Shale</b>
<b>34</b>	<b>41</b>	<b>Gray Shale</b>
<b>41</b>	<b>42</b>	<b>Damp Gray Limestone</b>
<b>42</b>	<b>47</b>	<b>Blue Limestone</b>
<b>47</b>	<b>96</b>	<b>Blue Shale</b>
<b>96</b>	<b>105</b>	<b>Red Beds</b>
<b>105</b>	<b>112</b>	<b>Conglomerate Water Bearing</b>
<b>112</b>	<b>129</b>	<b>Red Gray Shale</b>
<b>129</b>	<b>135</b>	<b>Lt. Gray Limestone</b>
<b>135</b>	<b>149</b>	<b>Red Sandstone Shale</b>
<b>149</b>	<b>197</b>	<b>Conglomerate</b>
<b>192</b>	<b>200</b>	<b>Blue/Green Shale Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>New</b>	<b>PVC-SDR17</b>	<b>+2 100</b>
<b>4.5</b>	<b>New</b>	<b>PVC-SDR17 Perf.</b>	<b>100 180 .40</b>
<b>4.5</b>	<b>New</b>	<b>PVC-SDR17</b>	<b>180 200</b>

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #33390

Owner: **Two River Canyon Entertainment Complex**

Owner Well #: **2**

Address: **11750 E Hwy 71  
Spicewood, TX 78669**

Grid #: **57-39-6**

Well Location: **E Hwy 71  
Spicewood, TX 78669**

Latitude: **30° 26' 01" N**

Longitude: **098° 08' 03" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Irrigation**

Drilling Start Date: **6/10/2003**

Drilling End Date: **6/10/2003**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>335</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **APEX Drilling**

Distance to Septic Field or other  
concentrated contamination (ft.): **150+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 135', 125', 20'**

Type of Pump: **No Data**

Well Tests: **Estimated** **Yield: 4 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>135-325</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker** License Number: **54516**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>22</b>	<b>Tan LS</b>
<b>22</b>	<b>101</b>	<b>Tan Gry LS</b>
<b>101</b>	<b>115</b>	<b>Blue LS</b>
<b>115</b>	<b>135</b>	<b>Red Clay</b>
<b>135</b>	<b>165</b>	<b>Sand Gravel</b>
<b>165</b>	<b>212</b>	<b>Tan LS</b>
<b>212</b>	<b>260</b>	<b>Gry LS</b>
<b>260</b>	<b>278</b>	<b>Red Clay</b>
<b>278</b>	<b>325</b>	<b>Gravel</b>
<b>325</b>	<b>335</b>	<b>Tan Clay-Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2 to 335 Sch40</b>

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## STATE OF TEXAS WELL REPORT for Tracking #33759

Owner: **MIKE MARTIN** Owner Well #: **No Data**  
Address: **3875 E WHITESTONE BLVD** Grid #: **57-40-7**  
**CEDAR PARK, TX 78613**  
Well Location: **RIVER CLIFF RANCH** Latitude: **30° 24' 58" N**  
**SPICEWOOD, TX 78669** Longitude: **098° 05' 36" W**  
Well County: **Travis** Elevation: **755 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #108916**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **1/14/2004** Drilling End Date: **1/14/2004**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>13</b>
	<b>7</b>	<b>13</b>	<b>230</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Unknown**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Distance to Property Line (ft.): **No Data**

Sealed By: **GREG SVETLIK**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **NONE**

Type of Pump: **No Data**

Well Tests: **Unknown** Yield: **0 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>0 - 2 CEMENT</b>		
	<b>2 - 230 CUTTINGS</b>		



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING, INC.**  
**185 ANGELFIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR**

License Number: **54416**

Apprentice Name: **GREG SVETLIK**

Apprentice Number: **WWWDAPP000  
01734**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>TOPSOIL</b>
<b>1</b>	<b>5</b>	<b>GREY ROCK</b>
<b>5</b>	<b>8</b>	<b>GOLD SANDSTONE</b>
<b>8</b>	<b>8</b>	<b>LT BROWN LIMESTONE</b>
<b>20</b>	<b>45</b>	<b>BLUE LIMESTONE</b>
<b>45</b>	<b>54</b>	<b>GREY SHALE</b>
<b>54</b>	<b>57</b>	<b>RED SHALE</b>
<b>57</b>	<b>88</b>	<b>GREY SHALE</b>
<b>88</b>	<b>107</b>	<b>RED SHALE-SANDY DRY</b>
<b>107</b>	<b>109</b>	<b>YELLOW ROCK</b>
<b>109</b>	<b>120</b>	<b>SANDY RED SHALE</b>
<b>120</b>	<b>130</b>	<b>PINK ROCK</b>
<b>130</b>	<b>144</b>	<b>RED CLAY</b>
<b>144</b>	<b>185</b>	<b>YELLOW ROCK / CLAY STREAKS</b>
<b>185</b>	<b>200</b>	<b>PINK ROCK</b>
<b>200</b>	<b>230</b>	<b>BLUE / YELLOW CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #34017

Owner:	<b>AGC</b>	Owner Well #:	<b>No Data</b>
Address:	<b>12400 State Highway 71-W, #350 Austin, TX 78736</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>25400 Highway 71 W Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 25" N</b>
		Longitude:	<b>098° 06' 13" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **6/6/2003**

Drilling End Date: **6/6/2003**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>200</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4.5 Cement</b>

Seal Method: **Pour Slurry**

Distance to Property Line (ft.): **No Data**

Sealed By: **C.W. Bohannon**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **no septic**

Surface Completion: **Surface Sleeve Installed**

Water Level: **140 ft. below land surface on 2003-05-06** Measurement Method: **Unknown**

Packers: **Rubber 20  
Rubber 140**

Type of Pump: **No Data**

Well Tests: **Estimated** Yield: **20 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Highland Drilling Inc.**  
**309 Frazier Street**  
**Tow, TX 78672**

Driller Name: **Charles Bohannon**

License Number: **2400**

Comments: **\$dfs**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>20</b>	<b>Caliche</b>
<b>20</b>	<b>80</b>	<b>Blue Shale</b>
<b>80</b>	<b>135</b>	<b>Red Clay</b>
<b>135</b>	<b>140</b>	<b>Limestone</b>
<b>140</b>	<b>170</b>	<b>Sand</b>
<b>170</b>	<b>200</b>	<b>Red Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4 1/2</b>	<b>New</b>	<b>PVC</b>	<b>0 140 Sch40</b>
<b>4 1/2</b>	<b>New</b>	<b>Perf.</b>	<b>140 170 Sch40</b>
<b>4 1/2</b>	<b>New</b>	<b>PVC</b>	<b>170 200 Sch40</b>

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## STATE OF TEXAS WELL REPORT for Tracking #34418

Owner: **Kevin Woodstock c/o Action Water Wells**

Owner Well #: **1**

Address: **100 Spanish Oak Trail  
Spicewood, TX 78669**

Grid #: **57-40-5**

Well Location: **Spicewood  
Spicewood, TX 78669**

Latitude: **30° 26' 27" N**

Longitude: **098° 04' 42" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/19/2003**

Drilling End Date: **8/19/2003**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>100</b>
	<b>6</b>	<b>100</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>11</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **<50**

Sealed By: **APEX Drilling, Inc**

Distance to Septic Field or other  
concentrated contamination (ft.): **150+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner /  
contractor**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 108', 104', 100'**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 50 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>108-182</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling, Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker** License Number: **54516**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>22</b>	<b>Tan LS</b>
<b>22</b>	<b>38</b>	<b>Gry LS</b>
<b>38</b>	<b>63</b>	<b>Blue Clay</b>
<b>63</b>	<b>108</b>	<b>Red Clay</b>
<b>108</b>	<b>112</b>	<b>Gravel</b>
<b>112</b>	<b>120</b>	<b>Red Clay</b>
<b>120</b>	<b>160</b>	<b>Gravel-H2O</b>
<b>160</b>	<b>165</b>	<b>Tan LS</b>
<b>165</b>	<b>182</b>	<b>Gravel-H2O</b>
<b>182</b>	<b>200</b>	<b>Tan Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5"</b>	<b>(5"od)</b>	<b>New PVC</b>	<b>+2 to 200 Sch40</b>
<b>4.5"</b>	<b>New</b>	<b>Slotted</b>	<b>160 to 180 .035</b>
<b>4.5"</b>	<b>New</b>	<b>Slotted</b>	<b>140 to 160 .035</b>



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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #34419

Owner: **Kevin Woodstock c/o Action Water Wells**

Owner Well #: **2**

Address: **100 Spanish Oak Trail  
Spicewood, TX 78669**

Grid #: **57-40-5**

Well Location: **Spicewood  
Spicewood, TX 78669**

Latitude: **30° 26' 27" N**

Longitude: **098° 04' 41" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/20/2003**

Drilling End Date: **8/20/2003**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>100</b>
	<b>6</b>	<b>100</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>11</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **<50**

Sealed By: **APEX Drilling, Inc**

Distance to Septic Field or other  
concentrated contamination (ft.): **150+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner /  
contractor**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 120', 110', 100'**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 50 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>124-179</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling, Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker** License Number: **54516**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>5</b>	<b>Caliche</b>
<b>5</b>	<b>20</b>	<b>Tan LS</b>
<b>20</b>	<b>30</b>	<b>Gry LS</b>
<b>30</b>	<b>55</b>	<b>Tan LS</b>
<b>55</b>	<b>67</b>	<b>Gry Clay</b>
<b>67</b>	<b>124</b>	<b>Red SS w/ Clay</b>
<b>124</b>	<b>170</b>	<b>Gravel-H2O</b>
<b>170</b>	<b>175</b>	<b>Tan LS</b>
<b>175</b>	<b>179</b>	<b>Gravel-H2O</b>
<b>179</b>	<b>200</b>	<b>Tan Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5"</b>	<b>(5"od)</b>	<b>New PVC</b>	<b>+2 to 200 Sch40</b>
<b>4.5"</b>	<b>New</b>	<b>Slotted</b>	<b>160 to 180 .035</b>
<b>4.5"</b>	<b>New</b>	<b>Slotted</b>	<b>140 to 160 .035</b>

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #39388

Owner:	DAN SCOTT	Owner Well #:	No Data
Address:	5004 BEE CREEK RD SPICEWOOD, TX 78669	Grid #:	57-39-6
Well Location:	349 SCENIC RIDGE SPICEWOOD, TX 78669	Latitude:	30° 26' 43" N
Well County:	Burnet	Longitude:	098° 08' 18" W
		Elevation:	1045 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 5/5/2004

Drilling End Date: 5/5/2004

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	10	0	13
	8	13	425

Drilling Method: Air Hammer

Borehole Completion: Filter Packed

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	325	425	Gravel	

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	10	12 CEMENT
	305	325	2 HOLE PLUG

Seal Method: SLURRIED & POURED

Distance to Property Line (ft.): No Data

Sealed By: JACOB CROUSE

Distance to Septic Field or other  
concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Method of Verification: NOT YET INSTALLED

Surface Completion: Surface Sleeve Installed

Water Level: No Data

Packers: PLASTIC 13

Type of Pump: DID NOT SET

Well Tests: Jetted Yield: 7 GPM

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING, INC.**  
**185 ANGEL FIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR**

License Number: **54416**

Apprentice Name: **JACOB CROUSE**

Apprentice Number: **WWDAPP00001**  
**862**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	TOPSOIL & SURFACE ROCK
2	26	CALICHE & YELLOW CLAY
26	202	GREY LIMESTONE
202	208	GREY SAND
208	225	GREY LIMESTONE
225	246	RED CLAY
246	248	SANDY RED CLAY
248	250	GREY SAND
250	255	RED & GREY SAND
255	260	RED CLAY & SAND W/SMALL GREY ROCK FRAGMENTS
260	264	GREY SAND
264	270	RED CLAY & WHITE ROCK
270	276	TAN SAND & WHITE ROCK
276	287	WHITE SAND
287	302	PINK CLAY W/WHITE ROCK
302	325	REDDISH BROWN CLAY W/GREY ROCK

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0 - 360
4.5	NEW	SCREEN MFG	360 - 420 .10
4.5	NEW	PLASTIC	420 - 425



325	352	GREY SHALE
352	374	RED CLAY
374	395	RED CLAY & TAN YELLOW ROCK
395	420	TAN & WHITE ROCK W/B 7 GPM
420	425	GOLD CLAY / BLUE SHALE

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**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #39460

Owner:	<b>OLEN WARDLAW</b>	Owner Well #:	<b>No Data</b>
Address:	<b>16100 STEWARD RD AUSTIN, TX 78734</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>312 PARKFACE POINT SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 05" N</b>
		Longitude:	<b>098° 05' 44" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>819 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/13/2004**      Drilling End Date: **5/13/2004**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>13</b>
	<b>7</b>	<b>13</b>	<b>210</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>110</b>	<b>210</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>10</b>	<b>12 CEMENT</b>
	<b>95</b>	<b>110</b>	<b>2 HOLE PLUG</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **JACOB CROUSE**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level:	<b>48 ft. below land surface on 2004-05-17</b>	Measurement Method:	<b>Unknown</b>
Packers:	<b>PLASTIC 10</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>200</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>5 GPM</b>

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING, INC.**  
**185 ANGEL FIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR** License Number: **54416**

Apprentice Name: **JACOB CROUSE** Apprentice Number: **WWDAPP00001**  
**862**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>TOPSOIL</b>
<b>1</b>	<b>8</b>	<b>RED CLAY &amp; CALICHE</b>
<b>8</b>	<b>36</b>	<b>CALICHE</b>
<b>36</b>	<b>52</b>	<b>TAN SAND &amp; GRAVEL</b>
<b>52</b>	<b>93</b>	<b>GREY CLAY</b>
<b>93</b>	<b>111</b>	<b>GREY CLAY &amp; LIMESTONE</b>
<b>111</b>	<b>124</b>	<b>RED CLAY</b>
<b>124</b>	<b>140</b>	<b>RED CLAY &amp; SANDSTONE</b>
<b>140</b>	<b>155</b>	<b>YELLOW / TAN ROCK &amp; CLAY (RED)</b>
<b>155</b>	<b>173</b>	<b>TAN ROCK / BLUE SANDSTONE W/B 5 GPM</b>
<b>173</b>	<b>201</b>	<b>TAN &amp; WHITE ROCK</b>
<b>201</b>	<b>210</b>	<b>BLUE SHALE / GOLD CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0 - 130</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG</b>	<b>130 - 190 .10</b>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>190 - 210</b>

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #42279

Owner: **Jay Ledbetter**

Owner Well #: **1**

Address: **100 Spanish Oak Trail  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **Estates above Fall Creek  
Spicewood, TX 78669**

Latitude: **30° 24' 10" N**

Longitude: **098° 06' 51" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/17/2003**

Drilling End Date: **10/17/2003**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>290</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **N/A**

Distance to Property Line (ft.): **50+**

Sealed By: **N/A**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Alternative Procedure Used**

Water Level: **No Data**

Packers: **N/A**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 0 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>100-201</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker, P.G.** License Number: **54516**

Comments: **updated county by TWDB on 2/12/08 - BA**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>31</b>	<b>White-Tan Limestone</b>
<b>31</b>	<b>48</b>	<b>Tan Limestone-Light Gray</b>
<b>48</b>	<b>65</b>	<b>Blue Clay</b>
<b>65</b>	<b>70</b>	<b>Tan Clay</b>
<b>70</b>	<b>83</b>	<b>Gray-Tan Limestone</b>
<b>83</b>	<b>100</b>	<b>Tan Clay</b>
<b>100</b>	<b>140</b>	<b>Gravel</b>
<b>140</b>	<b>150</b>	<b>White Limestone with Red Sandstone</b>
<b>150</b>	<b>170</b>	<b>Sand and Gravel</b>
<b>170</b>	<b>184</b>	<b>Tan Limestone</b>
<b>184</b>	<b>201</b>	<b>Gravel</b>
<b>201</b>	<b>218</b>	<b>Tan-Red Clay</b>
<b>218</b>	<b>220</b>	<b>Gray Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>N/A</b>			

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**



## STATE OF TEXAS WELL REPORT for Tracking #42280

Owner: **Jay Ledbetter**

Owner Well #: **2**

Address: **100 Spanish Oak Trail  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **Estates above Fall Creek  
Spicewood, TX 78669**

Latitude: **30° 24' 09" N**

Longitude: **098° 06' 51" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/18/2003**

Drilling End Date: **10/18/2003**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>255</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **N/A**

Distance to Property Line (ft.): **50+**

Sealed By: **N/A**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Alternative Procedure Used**

Water Level: **No Data**

Packers: **N/A**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 0 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>88-207</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker, P.G.** License Number: **54516**

Comments: **updated county by TWDB on 2/12/08 - BA**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>42</b>	<b>White-Tan Limestone</b>
<b>42</b>	<b>70</b>	<b>Gray Limestone with Clay</b>
<b>70</b>	<b>74</b>	<b>Sand and Gray Clay</b>
<b>74</b>	<b>88</b>	<b>Gray Clay</b>
<b>88</b>	<b>95</b>	<b>Red Clay</b>
<b>95</b>	<b>135</b>	<b>Red Gravel</b>
<b>135</b>	<b>145</b>	<b>White Limestone</b>
<b>145</b>	<b>198</b>	<b>Red Gravel</b>
<b>198</b>	<b>207</b>	<b>Red Clay</b>
<b>207</b>	<b>255</b>	<b>Tan-Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>N/A</b>			

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #42870

Owner:	<b>CHARLES MEEKS</b>	Owner Well #:	<b>No Data</b>
Address:	<b>5713 SAM HOUSTON CIRCLE AUSTIN, TX 78713</b>	Grid #:	<b>57-39-9</b>
Well Location:	<b>2809 FALL CREEK RD. SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 24' 45" N</b>
		Longitude:	<b>098° 07' 32" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/6/2003**

Drilling End Date: **9/1/2003**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>10</b>	<b>0</b>	<b>10</b>
	<b>8</b>	<b>10</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>145</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>20</b>	<b>6</b>

Seal Method: **HAND POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **TAPE MEASURE \***

Surface Completion: **Surface Sleeve Installed**

Water Level:	<b>40 ft. below land surface on 2003-05-06</b>	Measurement Method:	<b>Unknown</b>
Packers:	<b>SHALE CATCHER 40', 80'</b>		
Type of Pump:	<b>No Data</b>		
Well Tests:	<b>Estimated</b>	<b>Yield: 30 GPM</b>	

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **TOM ARNOLD DRILLING**  
**1147 CR 170**  
**ROUND ROCK, TX 78664**

Driller Name: **TOMMY ARNOLD**

License Number: **2096**

Comments: **\* from proposed site**  
**DG**  
**corrected drilling date to match hard copy \$mew 2/26/09**  
**(was 5/6/04 to 8/1/04)**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	FILL
1	14	YELLOW LIMESTONE
14	24	YELLOW SHALE
24	27	BLUE SHALE
27	31	RED SHALE
31	33	GRAY LIMESTONE
33	38	GRAY SANDSTONE
38	42	RED SHALE
42	48	RED SAND
48	60	RED CLAY
60	80	GRAVEL
80	110	YELLOW LIMESTONE
110	124	RED SHALE
124	130	RED SHALE
130	145	BLUE SHALE & LIMESTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6 1/4	N	PLASTIC	0-20
4 1/2	N	PLASTIC	0-145
		PERF	40-60
		PERF	80-100

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #50664

Owner:	<b>Cotie Properties</b>	Owner Well #:	<b>1</b>
Address:	<b>1403 Hargis Creek Trail Austin, TX 78717</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>629 Nomad Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 33.19" N</b>
		Longitude:	<b>098° 05' 31.05" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **12/6/2004**      Drilling End Date: **12/6/2004**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>100</b>
	<b>6</b>	<b>100</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>9</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **7**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 120', 110', 100'**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 2 - 3 GPM**



Water Quality:

Strata Depth (ft.)	Water Type
120 - 210	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker** License Number: **54516**

Comments: **No Data**

**Report Amended on 7/31/2023 by Request #40060**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	42	White Limestone
42	65	Grey Limestone
65	95	Blue Clay
95	120	Red Clay
120	125	Gravel
125	145	Red Clay
145	210	Gravel
210	220	Tan-Blue Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5" (5OD")	New	PVC + 2'	to 220' Sch 40
4.5" (5OD")	New	PVC Screen	150' to 210' .035

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #50739

Owner:	<b>Randy Lasater</b>	Owner Well #:	<b>1</b>
Address:	<b>3204 Fall Creek Estates Dr. Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>3204 Fall Creek Estates Dr. Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 13" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 45" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/28/2004**      Drilling End Date: **9/28/2004**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>100</b>
	<b>6</b>	<b>100</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>9</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 120', 100'**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 4 - 5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>120 - 203</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker, P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>39</b>	<b>White Limestone</b>
<b>39</b>	<b>72</b>	<b>Grey Limestone</b>
<b>72</b>	<b>105</b>	<b>Blue Clay</b>
<b>105</b>	<b>120</b>	<b>Red Clay</b>
<b>120</b>	<b>203</b>	<b>Gravel</b>
<b>203</b>	<b>220</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5"OD) New PVC +2' to 220' Sch40</b>			

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**Austin, TX 78711**  
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## STATE OF TEXAS WELL REPORT for Tracking #52638

Owner: **Randy Hinkle**

Owner Well #: **1**

Address: **8600 RR 620 Apt. 1025  
Austin, TX 78726**

Grid #: **57-40-4**

Well Location: **504 Nomad  
Spicewood, TX 78669**

Latitude: **30° 25' 45" N**

Longitude: **098° 05' 41" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **9/30/2004**

Drilling End Date: **9/30/2004**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>75</b>
	<b>6</b>	<b>75</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>75</b>	<b>9</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 80', 75'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 25 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
75 - 220	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker, P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	30	Tan-Grey Limestone
30	40	Grey Limestone
40	75	Blue Clay
75	180	Red Sandstone with Gravel
180	205	Tan Clay
205	220	Grey Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5" (5"OD)	New	PVC	+2' to 220' Sch40

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #58488

Owner:	CHRIS HIGHTOWER	Owner Well #:	No Data
Address:	705 JIM BOWIE SPICEWOOD, TX 78669	Grid #:	57-40-4
Well Location:	501 PALEFACE RANCH RD. SPICEWOOD, TX 78669	Latitude:	30° 26' 04" N
Well County:	Travis	Longitude:	098° 06' 12" W
		Elevation:	770 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 4/19/2005      Drilling End Date: 4/19/2005

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	10	0	13
	8	13	232

Drilling Method: Air Rotary

Borehole Completion: Filter Packed

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	128	232	Gravel	

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	10	10 CEMENT
	118	128	3 HOLE PLUG

Seal Method: SLURRIED & POURED

Distance to Property Line (ft.): No Data

Sealed By: Driller

Distance to Septic Field or other  
concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Method of Verification: NOT YET INSTALLED

Surface Completion: Surface Sleeve Installed

Water Level:	97 ft. below land surface on 2005-04-20	Measurement Method:	Unknown
Packers:	PLASTIC 10		
Type of Pump:	Submersible	Pump Depth (ft.):	212
Well Tests:	Pump	Yield:	3.8 GPM

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING, INC.**  
**185 ANGEL FIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **GREG SVETLIK** License Number: **54416**

Comments: **updated county by TWDB on 2/14/08 - BA**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	TOPSOIL
1	10	TAN LIMESTONE
10	30	FRACTURED WHITE ROCK
30	55	GREY LIMESTONE
55	67	BLUE SHALE
67	75	BROWN SHALE
75	88	BLUE CLAY
88	100	RED CLAY
100	120	RED SANDSTONE
120	140	FRACTURED YELLOW LIMESTONE
140	155	PURPLE ROCK
155	195	BROKEN YELLOW LIMESTONE W/B 2 GPM
195	215	RED CLAY
215	225	BLUE ROCK W/B 5 GPM
225	232	BLACK LIMESTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0 - 167
4.5	NEW	SCREEN MFG.	167 - 227 .050
4.5	NEW	PLASTIC	227 - 232



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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #62952

Owner:	STONELAKE HOMES,LLC	Owner Well #:	No Data
Address:	12400 HWY. 71 W.,STE.350 PMB # AUSTIN, TX 78738	Grid #:	57-40-7
Well Location:	12400 HWY 71 WEST STE. 350 PMB#254 AUSTIN, TX 78738	Latitude:	30° 24' 22" N
		Longitude:	098° 06' 26" W
Well County:	Travis	Elevation:	No Data

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/24/2005**

Drilling End Date: **5/24/2005**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8.625</b>	<b>0</b>	<b>40</b>
<b>6.5</b>	<b>40</b>	<b>180</b>

Drilling Method: **Air Rotary**

Borehole Completion: **CASED**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>40</b>	<b>12 CEMENT</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **WELL DRILLED  
FIRST**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **4 BURLAP,PVC 40',80',120',140'**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 10 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>45</b>	<b>TRINITY</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTRAL TEXAS DRILLING, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **AARON GLASS**

License Number: **4227**

Comments: **Amended 8/2/05 Ref.# 1854**

**Report Amended on by Request #1854**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOP SOIL</b>
<b>2</b>	<b>5</b>	<b>TAN LIMESTONE</b>
<b>5</b>	<b>8</b>	<b>RED LIMESTONE</b>
<b>8</b>	<b>35</b>	<b>RED/TAN LIMESTONE</b>
<b>35</b>	<b>55</b>	<b>TAN LIMESTONE</b>
<b>55</b>	<b>57</b>	<b>BROWN SAND W/ROCK</b>
<b>57</b>	<b>62</b>	<b>GRAY/RED LIMESTONE</b>
<b>62</b>	<b>85</b>	<b>GRAY/RED/TAN LIMESTONE</b>
<b>85</b>	<b>90</b>	<b>BLUE CLAY W/RED</b>
<b>90</b>	<b>100</b>	<b>BLUE/GRAY CLAY</b>
<b>100</b>	<b>105</b>	<b>GRAY CLAY/RED CLAY</b>
<b>105</b>	<b>110</b>	<b>GRAY CLAY/RED CLAY W/TAN</b>
<b>110</b>	<b>118</b>	<b>GRAY LIMESTONE</b>
<b>118</b>	<b>120</b>	<b>GRAY/CLAY (W/OIL FILM)</b>
<b>120</b>	<b>135</b>	<b>GRAY/RED CLAY</b>
<b>135</b>	<b>150</b>	<b>RED/TAN SAND</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>5" OD N PVC SDR17 +3 TO 180 .020</b>			

150	175	TRINITY SAND & GRAVEL
175	180	RED W/RED CLAY

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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #64164

Owner: **Jenny Pia Stanley**  
Address: **25114 River Rd.  
Spicewood, TX 78669**  
Well Location: **25114 River Rd.  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **1**  
Grid #: **57-40-5**  
Latitude: **30° 26' 17" N**  
Longitude: **098° 04' 54" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/12/2005**

Drilling End Date: **5/12/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>215</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>215</b>	<b>Gravel</b>	<b>3/8" Pea</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>12</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **30**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **60**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Gravel - See above**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 40 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>110 - 205</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker, P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>Top Soil</b>
<b>3</b>	<b>23</b>	<b>Tan Limestone</b>
<b>23</b>	<b>53</b>	<b>Grey Limestone</b>
<b>53</b>	<b>95</b>	<b>Grey Clay</b>
<b>95</b>	<b>110</b>	<b>Red Sandstone</b>
<b>110</b>	<b>120</b>	<b>Gravel</b>
<b>120</b>	<b>140</b>	<b>Red Sandstone</b>
<b>140</b>	<b>200</b>	<b>Gravel</b>
<b>200</b>	<b>215</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 145' SDR17</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>145' to 205' .035</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>205' to 215' SDR17</b>

#### IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #64169

Owner: **Ron Stanley**

Owner Well #: **1**

Address: **25110 River Rd.  
Spicewood, TX 78669**

Grid #: **57-40-5**

Well Location: **25110 River Rd.  
Spicewood, TX 78669**

Latitude: **30° 26' 15" N**

Longitude: **098° 04' 54" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/13/2005**

Drilling End Date: **5/13/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>215</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>215</b>	<b>Gravel</b>	<b>3/8" Pea</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>12</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **10**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Gravel - See above**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 40 GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>110 - 205</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker, P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Top Soil</b>
<b>2</b>	<b>30</b>	<b>Tan Limestone</b>
<b>30</b>	<b>57</b>	<b>Grey Limestone</b>
<b>57</b>	<b>97</b>	<b>Grey Clay</b>
<b>97</b>	<b>110</b>	<b>Red Sandstone</b>
<b>110</b>	<b>130</b>	<b>Gravel</b>
<b>130</b>	<b>145</b>	<b>Red Clay</b>
<b>145</b>	<b>205</b>	<b>Gravel</b>
<b>205</b>	<b>215</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 145' SDR17</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>145' to 205' .035</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>205' to 215' SDR17</b>

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**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #66308

Owner: **OLYMPIA HOMES**

Owner Well #: **No Data**

Address: **2227 O'BAN DRIVE  
SPICEWOOD, TX 78669**

Grid #: **57-40-7**

Well Location: **3005 FALL CRK. EST.  
SPICEWOOD, TX 78669**

Latitude: **30° 24' 14" N**

Longitude: **098° 06' 27" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **4/19/2005**

Drilling End Date: **4/19/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>40</b>
	<b>6.5</b>	<b>40</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **CASED**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>40</b>	<b>15 CEMENT</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **WELL DRILLED  
FIRST**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **5 BURLAP, PVC 40,90,130,150,170**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 3-5 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
40	TRINITY

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTRAL TEXAS DRILLING, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **AARON GLASS**

License Number: **4227**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	TOP SOIL
2	4	RED CLAY
4	12	RED CLAY
12	18	RED W/TAN W/RED CLAY
18	25	TAN W/RED ROCK
25	55	TAN LIMESTONE
55	60	TAN SAND STRIPS
60	75	GRAY LIMESTONE
75	85	GRAY W/TAN LIMESTONE
85	105	BLUE CLAY
105	110	BLUE CLAY W/RED
110	135	BLUE CLAY W/GRAY ROCK
135	150	RED SAND & GRAVEL
150	155	RED CLAY W/GRAY CLAY
155	165	RED/TAN LIMESTONE
165	170	RED W/RED CLAY
170	200	RED SAND W/GRAVEL

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	OD	N PVC SDR17	+2 TO 200 .020

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #67465

Owner: **Brad Johnson**  
Address: **2605 Del Rio Dr.  
Austin, TX 78733**  
Well Location: **517 Nomad Dr.  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **1**  
Grid #: **57-40-4**  
Latitude: **30° 25' 44" N**  
Longitude: **098° 05' 37" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/29/2005**

Drilling End Date: **8/29/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>100</b>
	<b>6.5</b>	<b>100</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>9 / Bentonite</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **8**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 105', 100'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 45 - 50 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>105 - 180</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker, P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>30</b>	<b>Tan Limestone</b>
<b>30</b>	<b>40</b>	<b>Grey Limestone</b>
<b>40</b>	<b>90</b>	<b>Blue Clay</b>
<b>90</b>	<b>105</b>	<b>Red Clay</b>
<b>105</b>	<b>137</b>	<b>Red Sandstone with Red Clay</b>
<b>137</b>	<b>180</b>	<b>Gravel (H2O)</b>
<b>180</b>	<b>200</b>	<b>Tan-Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 140' Sch40</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>140' to 180' .035</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>180' to 200' Sch40</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #72623

Owner:	LISA SCHELLENBERG	Owner Well #:	No Data
Address:	702 LAKEWAY DR. AUSTIN, TX 78734	Grid #:	57-40-4
Well Location:	RED BRANGUS SPICEWOOD, TX 78669	Latitude:	30° 25' 33" N
		Longitude:	098° 06' 11" W
Well County:	Travis	Elevation:	875 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 11/22/2005      Drilling End Date: 11/22/2005

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8	0	10
	6.75	10	270

Drilling Method: Air Rotary

Borehole Completion: Open Hole

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	8	6 CEMENT
	8	10	1 HOLEPLUG

Seal Method: SLURRIED & POURED

Sealed By: Driller

Distance to Property Line (ft.): No Data

Distance to Septic Field or other  
concentrated contamination (ft.): No Data

Distance to Septic Tank (ft.): No Data

Method of Verification: NOT YET INSTALLED

Surface Completion: Surface Sleeve Installed

Water Level: No Data

Packers: NEOPRENE 10  
NEOPRENE 180

Type of Pump: DID NOT SET

Well Tests: Jetted      Yield: 3.5 GPM



Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING, INC.**  
**185 ANGELFIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **BOBBY ROBERTS** License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	TOPSOIL
1	8	CALICHE
8	11	WHITE SAND
11	15	YELLOW CLAY
15	20	GREY CLAY
20	43	RED CLAY
43	55	WHITE ROCK W/B 1 GPM TDS 530
55	60	BLUE CLAY
60	83	WHITE ROCK
83	90	YELLOW CLAY
90	105	GREY LIMESTONE
105	130	GREY CLAY
130	176	RED SANDSTONE
176	225	WHITE & RED ROCK W/B 3.4 GPM TDS 840
225	230	RED CLAY
230	235	RED ROCK
235	245	RED CLAY

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0 - 185
4.5	NEW	SCREEN MFG.	185 - 225 .05

245	270	RED ROCK & BLUE CLAY
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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #72645

Owner:	<b>BPI</b>	Owner Well #:	<b>No Data</b>
Address:	<b>P. O. BOX 92109 AUSTIN, TX 78709</b>	Grid #:	<b>57-39-6</b>
Well Location:	<b>LOT 15, GRANITE RIDGE SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 27' 02" N</b>
		Longitude:	<b>098° 08' 20" W</b>
Well County:	<b>Burnet</b>	Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/8/2005**      Drilling End Date: **11/8/2005**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>8.625</b>	<b>0</b>	<b>50</b>
	<b>7</b>	<b>50</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **CASED**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>50</b>	<b>8 CEMENT</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **N/A**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **WELL DRILLED  
FIRST**

Surface Completion: **Surface Sleeve Installed**

Water Level: **159 ft. below land surface on 2005-11-11**      Measurement Method: **Unknown**

Packers: **5 BURLAP, PVC, RUBBER 50,130,150,170,210**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 5-7 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
30	TRINITY

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTRAL TEXAS DRILLING, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **AARON GLASS**

License Number: **4227**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	TOP SOIL
2	18	CALICHE
18	20	BLUE LIMESTONE
20	100	GRAY LIMESTONE
100	108	TAN LIMESTONE
108	118	TAN/BROWN/HARD SANDSTONE
118	120	TAN W/YELLOW CLAY
120	125	YELLOW/RED CLAY
125	135	RED CLAY
135	138	RED CLAY W/BLUE CLAY
138	140	RED SHELL W/BROWN SAND
140	145	RED SANDSTONE
145	148	BLUE CLAY
148	155	RED CLAY
155	165	RED/YELLOW CLAY
165	170	TAN LIMESTONE
170	172	RED CLAY W/TAN LIMESTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	OD	N PVC SDR17	+2 TO 220
170 TO 210	.020		

172	185	TAN LIMESTONE
185	210	GRAY/BROWN LIMESTONE
210	220	GRAY CLAY

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #78808

Owner:	LINDY SEGALL	Owner Well #:	No Data
Address:	6718 SILVERMINE DR. #604 AUSTIN, TX 78736	Grid #:	57-40-4
Well Location:	11610 CR 404 SPICEWOOD, TX 78669	Latitude:	30° 26' 57" N
Well County:	Burnet	Longitude:	098° 07' 03" W
		Elevation:	884 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **2/28/2006**      Drilling End Date: **2/28/2006**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8	0	11
	6.75	11	250

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	11	8 CEMENT

Seal Method: **SLURRIED & POURED**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **169 ft. below land surface on 2006-03-02**      Measurement Method: **Unknown**

Packers: **NEOPRENE 70**  
**NEOPRENE 165**  
**NEOPRENE 170**

Type of Pump: **Submersible**      Pump Depth (ft.): **240**

Well Tests: **Jetted**      Yield: **5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING, INC.**  
**185 ANGELFIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **BOBBY ROBERTS** License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>6</b>	<b>CALICHE</b>
<b>6</b>	<b>15</b>	<b>WHITE ROCK</b>
<b>15</b>	<b>28</b>	<b>TAN SAND</b>
<b>28</b>	<b>67</b>	<b>RED CLAY</b>
<b>67</b>	<b>95</b>	<b>WHITE ROCK W/B 3 GPM TDS 500</b>
<b>95</b>	<b>120</b>	<b>GREY ROCK</b>
<b>120</b>	<b>165</b>	<b>GREY CLAY</b>
<b>165</b>	<b>245</b>	<b>RED ROCK W/B 5 GPM TDS 560</b>
<b>245</b>	<b>250</b>	<b>GOLD CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0 - 210</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG.</b>	<b>210 - 250 .050</b>



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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #82004

Owner:	<b>Will Snyder</b>	Owner Well #:	<b>No Data</b>
Address:	<b>21814 Highway 71 W. Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>21814 Highway 71 W. Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 30" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 52" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/26/2004**      Drilling End Date: **4/26/2004**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>325</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>21 Cement</b>

Seal Method: **Trimmie Pressure**

Sealed By: **B. Strong**

Distance to Property Line (ft.): **7**

Distance to Septic Field or other  
concentrated contamination (ft.): **no septic**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape**

Surface Completion: **Surface Sleeve Installed**

Water Level: **219 ft. below land surface on 2004-04-26**      Measurement Method: **Unknown**

Packers: **Rubber 100'**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 18 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Highland Drilling, Inc.**  
**309 Frazier Street**  
**Tow, TX 78672**

Driller Name: **Bryan Strong**

License Number: **54563**

Comments: **\$dfs**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>25</b>	<b>Caliche</b>
<b>25</b>	<b>55</b>	<b>Blue Shale</b>
<b>55</b>	<b>110</b>	<b>Caliche</b>
<b>110</b>	<b>145</b>	<b>Limestone</b>
<b>145</b>	<b>162</b>	<b>Sandstone</b>
<b>162</b>	<b>182</b>	<b>Blue Shale</b>
<b>182</b>	<b>187</b>	<b>Limestone</b>
<b>187</b>	<b>275</b>	<b>Gray Sandstone</b>
<b>275</b>	<b>320</b>	<b>Brown Sandstone</b>
<b>320</b>	<b>325</b>	<b>Gummy Blue Shale</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>5</b>	<b>New</b>	<b>PVC 0 305 Sch40</b>	
<b>5</b>	<b>New</b>	<b>Perf. 305 325 Sch40</b>	

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #84738

Owner:	<b>Summit Builders</b>	Owner Well #:	<b>1</b>
Address:	<b>P. O. 340277 Austin, TX 78734</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>25400 Love Drive Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 14" N</b>
		Longitude:	<b>098° 05' 15" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>674 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/2/2006**

Drilling End Date: **5/3/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>120</b>
	<b>7</b>	<b>120</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>120</b>	<b>42</b>

Seal Method: **Unknown**

Distance to Property Line (ft.): **40**

Sealed By: **Unknown**

Distance to Septic Field or other  
concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **82 ft. below land surface on 2006-05-11** Measurement Method: **Unknown**

Packers: **NEOPHRENE 120**

Type of Pump: **Submersible** Pump Depth (ft.): **180**

Well Tests: **Estimated** Yield: **10 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>135-180</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Associated Drilling Company**

**P.O. Box 1060  
Manchaca, TX 78652**

Driller Name: **James Benoit / 4064wi**

License Number: **4064**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>black topsoil</b>
<b>1</b>	<b>65</b>	<b>yellow limestone</b>
<b>65</b>	<b>95</b>	<b>gray limestone</b>
<b>95</b>	<b>110</b>	<b>tan limestone</b>
<b>110</b>	<b>135</b>	<b>red sandstone</b>
<b>135</b>	<b>180</b>	<b>broken sandstone</b>
<b>180</b>	<b>200</b>	<b>hard tan limestone</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>new</b>	<b>plastic -2 200 SDR17</b>	
		<b>screen from 135-200</b>	

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## STATE OF TEXAS WELL REPORT for Tracking #87938

Owner: **Smith Phillips 66**

Owner Well #: **MW 21**

Address: **1213 E. University  
Denton, TX 76207**

Grid #: **19-56-1**

Well Location: **1213 E. University  
Denton, TX 76207**

Latitude: **33° 14' 01" N**

Longitude: **097° 06' 58" W**

Well County: **Denton**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Monitor**

Drilling Start Date: **7/6/2006**

Drilling End Date: **7/6/2006**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8.25</b>	<b>0</b>	<b>25</b>

Drilling Method: **Hollow Stem Auger**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
<b>3</b>	<b>24</b>	<b>Gravel</b>	<b>16/30</b>

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>2</b>	<b>1 cement</b>
<b>2</b>	<b>3</b>	<b>1 bentonite</b>

Seal Method: **Gravity Feed**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **W.E.S.T. Drilling**  
**101 Industrial Dr.**  
**Waxahachie, TX 75165**

Driller Name: **Robert Flair** License Number: **2948**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>15</b>	<b>Sand Br</b>
<b>15</b>	<b>20</b>	<b>Clay, Sand Br</b>
<b>20</b>	<b>25</b>	<b>Clay, Sand Gr</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>2</b>	<b>New</b>	<b>PVC Riser sch 40</b>	<b>0-5'</b>
<b>2</b>	<b>New</b>	<b>PVC Screen .010</b>	<b>5'-24'</b>

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## STATE OF TEXAS WELL REPORT for Tracking #88585

Owner: **Cotie Properties**

Owner Well #: **1**

Address: **1403 Hargis Creek Trail  
Austin, TX 78628**

Grid #: **57-40-4**

Well Location: **Red Brangus, Lot # 11  
Spicewood, TX 78669**

Latitude: **30° 25' 47" N**

Longitude: **098° 05' 47" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **4/18/2005**

Drilling End Date: **4/18/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>205</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Backfilled**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **N/A**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 0 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>N/A</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker P.G.** License Number: **54516**

Comments: **Backfilled with 2' Cement Cap**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>25</b>	<b>Tan-Grey Limestone</b>
<b>25</b>	<b>35</b>	<b>Grey Limestone w/ Clay</b>
<b>35</b>	<b>75</b>	<b>Grey Clay</b>
<b>75</b>	<b>140</b>	<b>Red Clay w/ Sandstone</b>
<b>140</b>	<b>150</b>	<b>Gravel</b>
<b>150</b>	<b>152</b>	<b>Turquoise Clay</b>
<b>152</b>	<b>205</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #88588

Owner: **Cotie Properties**

Owner Well #: **2**

Address: **1403 Hargis Creek Trail  
Austin, TX 78628**

Grid #: **57-40-4**

Well Location: **Red Brangus, Lot # 11  
Spicewood, TX 78669**

Latitude: **30° 25' 43" N**

Longitude: **098° 05' 45" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **4/19/2005**

Drilling End Date: **4/19/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>205</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Backfilled**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **N/A**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 0 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>N/A</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker P.G.** License Number: **54516**

Comments: **Backfilled with 2' Cement Cap**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>37</b>	<b>Tan-Grey Limestone</b>
<b>37</b>	<b>45</b>	<b>Grey Limestone</b>
<b>45</b>	<b>55</b>	<b>Grey Limestone w/ Clay</b>
<b>55</b>	<b>90</b>	<b>Grey Clay</b>
<b>90</b>	<b>104</b>	<b>Red Sandstone w/ Clay</b>
<b>104</b>	<b>115</b>	<b>Gravel</b>
<b>115</b>	<b>140</b>	<b>Sandy Clay</b>
<b>140</b>	<b>165</b>	<b>Gravel</b>
<b>165</b>	<b>170</b>	<b>Turquoise Clay</b>
<b>170</b>	<b>205</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #88589

Owner: **Cotie Properties**

Owner Well #: **3**

Address: **1403 Hargis Creek Trail  
Austin, TX 78628**

Grid #: **57-40-4**

Well Location: **Red Brangus, Lot # 11  
Spicewood, TX 78669**

Latitude: **30° 25' 41" N**

Longitude: **098° 05' 49" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **4/20/2005**

Drilling End Date: **4/20/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>205</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 102', 100', 20'**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 1.9 GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>102-180</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker P.G.** License Number: **54516**

Comments: **Backfilled with 2' Cement Cap**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Top Soil</b>
<b>2</b>	<b>28</b>	<b>Tan-White Limestone</b>
<b>28</b>	<b>40</b>	<b>Grey Limestone</b>
<b>40</b>	<b>85</b>	<b>Blue Clay</b>
<b>85</b>	<b>88</b>	<b>Tan Limestone</b>
<b>88</b>	<b>102</b>	<b>Red Clay</b>
<b>102</b>	<b>106</b>	<b>Gravel</b>
<b>106</b>	<b>118</b>	<b>Clay</b>
<b>118</b>	<b>135</b>	<b>Tan Limestone</b>
<b>135</b>	<b>142</b>	<b>Clay</b>
<b>142</b>	<b>165</b>	<b>Gravel</b>
<b>165</b>	<b>180</b>	<b>Tan Limestone w/ Clay</b>
<b>180</b>	<b>205</b>	<b>Tan-Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 125' Sch40</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>Slotted</b>	<b>125' to 165' .035</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>165' to 205 Sch40</b>

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #90499

Owner:	<b>Lou Harris</b>	Owner Well #:	<b>1</b>
Address:	<b>312 CR 420 Spicewood, TX 78669</b>	Grid #:	<b>57-40-1</b>
Well Location:	<b>312 CR 420 Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 36" N</b>
Well County:	<b>Burnet</b>	Longitude:	<b>098° 06' 53" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/26/2006**      Drilling End Date: **4/26/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>210</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 98', 95', 20'**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 8 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>98 - 190</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling, Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P.G.** License Number: **54516**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>20</b>	<b>Tan Clay</b>
<b>20</b>	<b>34</b>	<b>White-Tan Limestone</b>
<b>34</b>	<b>60</b>	<b>Grey Limestone</b>
<b>60</b>	<b>98</b>	<b>Blue Clay</b>
<b>98</b>	<b>112</b>	<b>Red Clay</b>
<b>112</b>	<b>122</b>	<b>Gravel</b>
<b>122</b>	<b>145</b>	<b>Red Clay</b>
<b>145</b>	<b>190</b>	<b>Gravel</b>
<b>190</b>	<b>210</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 150' Sch40</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>Slotted</b>	<b>150' to 190' .035</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>190' to 210' Sch40</b>

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #91343

Owner: **Austin Classic Builders**

Owner Well #: **No Data**

Address: **100 Spanish Oak Trail  
Spicewood, TX 78669**

Grid #: **57-40-5**

Well Location: **1129 Lake Shore Dr  
Spicewood, TX 78669**

Latitude: **30° 26' 31" N**

Longitude: **098° 04' 43" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/25/2006**

Drilling End Date: **7/25/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>100</b>
	<b>6.5</b>	<b>100</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>11 of Portland</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **5**

Sealed By: **Apex Drilling, Inc.**

Distance to Septic Field or other  
concentrated contamination (ft.): **80**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 105', 100'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 45 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
75-181	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	8	Gravel
8	30	Tan Limestone
30	65	Grey Limestone w/ Clay
65	95	Red Clay
95	98	Gravel
98	118	Clay
118	157	Gravel
157	181	Sand-Red-Tan
181	200	Tan Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5" (5" OD)	New	PVC	+2 to 120' Sch40
4.5" (5" OD)	New	Slotted PVC	120' to 180' .035
4.5" (5" OD)	New	PVC	180' to 200' Sch40

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## STATE OF TEXAS WELL REPORT for Tracking #91533

Owner: **Donald Gilde**

Owner Well #: **No Data**

Address: **21918 Briarcliff Dr  
Spicewood, TX 78669**

Grid #: **57-40-1**

Well Location: **201 Red Bluff Rd Lot # 36  
Spicewood, TX 78669**

Latitude: **30° 27' 33" N**

Longitude: **098° 07' 07" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/12/2006**

Drilling End Date: **6/12/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>180</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>5 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 75', 70', 20'**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 1/2 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>120-160</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G.** License Number: **54516**

Comments: **Assigned SWN 57-40-104 by TWDB on 6/13/2012.**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>30</b>	<b>Grey &amp; Tan Limestone</b>
<b>30</b>	<b>45</b>	<b>Grey Limestone</b>
<b>45</b>	<b>75</b>	<b>Grey Clay</b>
<b>75</b>	<b>85</b>	<b>Red Sandstone</b>
<b>85</b>	<b>90</b>	<b>Gravel</b>
<b>90</b>	<b>100</b>	<b>Red Sandstone</b>
<b>100</b>	<b>160</b>	<b>Gravel</b>
<b>160</b>	<b>165</b>	<b>Tan clay</b>
<b>165</b>	<b>180</b>	<b>Grey Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 120' Sch40</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted</b>	<b>120' to 160' .035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>160' to 180' Sch40</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #93629

Owner: **Wendy Kucera**

Owner Well #: **1**

Address: **16714 Forest Way  
Austin, TX 78734**

Grid #: **57-39-6**

Well Location: **2809-A Fall Creek Rd  
Spicewood, TX 78669**

Latitude: **30° 25' 07" N**

Longitude: **098° 07' 38" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/21/2006**

Drilling End Date: **7/21/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>260</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 158', 154', 20'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 15 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>158-255</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G.** License Number: **54516**

Comments: **updated lat/long and county by TWDB on 2/14/08 - BA**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>4</b>	<b>Clay</b>
<b>4</b>	<b>15</b>	<b>Caliche</b>
<b>15</b>	<b>25</b>	<b>Red Clay</b>
<b>25</b>	<b>70</b>	<b>White Limestone</b>
<b>70</b>	<b>90</b>	<b>Grey Limestone</b>
<b>90</b>	<b>136</b>	<b>Blue Clay</b>
<b>136</b>	<b>158</b>	<b>Black-Grey Sand</b>
<b>158</b>	<b>183</b>	<b>Tan-Red Sand</b>
<b>183</b>	<b>240</b>	<b>Gravel</b>
<b>240</b>	<b>255</b>	<b>Tan Limestone</b>
<b>255</b>	<b>260</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 180' Sch40</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>180' to 220' .035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>220' to 240' Sch40</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>240' to 260' .035</b>

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #93631

Owner: **MULLER CUSTOM HOMES**  
Address: **2600 GRACY FARMS #101  
AUSTIN, TX 78758**  
Well Location: **231 DOS LAGOS  
DRIPPING SPRINGS, TX 78620**  
Well County: **Hays**

Owner Well #: **No Data**  
Grid #: **57-56-4**  
Latitude: **30° 12' 14" N**  
Longitude: **098° 07' 17" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/25/2006**

Drilling End Date: **5/25/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.625</b>	<b>0</b>	<b>50</b>
	<b>6.5</b>	<b>50</b>	<b>450</b>

Drilling Method: **Air Rotary**

Borehole Completion: **CASED**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>50</b>	<b>6 CEMENT</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **WELL DRILLED  
FIRST**

Surface Completion: **Surface Sleeve Installed**

Water Level: **295.6 ft. below land surface on 2006-05-27** Measurement Method: **Unknown**

Packers: **4 BURLAP, PVC, RUBBER 50',290',310',410'**

Type of Pump: **Submersible**

Well Tests: **Jetted** Yield: **75+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
60	MIDDLE TRINITY

Chemical Analysis Made: **No**Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTRAL TEXAS DRILLING, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **AARON GLASS**License Number: **4227**Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-1		TOP SOIL
1-15		CALICHE
15-18		BLUE LIMESTONE
18-150		GRAY LIMESTONE
150-190		GRAY/TAN LIMESTONE
190-230		GRAY LIMESTONE
		GRAY CLAY STRIPS
230-290		GRAY LIMESTONE
290-315		TAN LIMESTONE
315-390		GRAY/TAN LIMESTONE
390-400		BROWN LIMESTONE
400-405		BLUE CLAY
405-410		BLUE CLAY W/TAN
		LIMESTONE
410-415		TAN/GRAY/WHITE
		LIMESTONE
415-450		BROWN LIMESTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	OD N	PVC SDR17	+3 TO 450
5"	OD N	PVC SDR17	SLOT 330 TO 350 .032
5"	OD N	PVC SDR17	SLOT 370 TO 390 .032
5"	OD N	PVC SDR17	SLOT 410 TO 450 .032



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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #93632

Owner: **Wendy Kucera**

Owner Well #: **2**

Address: **16714 Forest Way  
Austin, TX 78734**

Grid #: **57-39-6**

Well Location: **2809-A Fall Creek Rd  
Spicewood, TX 78669**

Latitude: **30° 25' 07" N**

Longitude: **098° 07' 38" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/22/2006**

Drilling End Date: **7/22/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>260</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 155', 150', 20'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 15 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>155-260</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G.** License Number: **54516**

Comments: **updated lat/long and county by TWDB on 2/14/08 - BA**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Top Soil</b>
<b>2</b>	<b>25</b>	<b>Red Sand-Clay</b>
<b>25</b>	<b>60</b>	<b>White Limestone</b>
<b>60</b>	<b>85</b>	<b>Grey Limestone</b>
<b>85</b>	<b>130</b>	<b>Clay</b>
<b>130</b>	<b>136</b>	<b>Red Sandstone</b>
<b>136</b>	<b>145</b>	<b>Grey Sand</b>
<b>145</b>	<b>155</b>	<b>Tan Limestone</b>
<b>155</b>	<b>260</b>	<b>Gravel</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 200' Sch40</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>200' to 260' .035</b>

#### IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #95936

Owner:	Andy Petrach	Owner Well #:	2
Address:	3004 Fall Creek Estates Rd Spicewood, TX 78669	Grid #:	57-40-7
Well Location:	3004 Fall Creek Estates Rd Spicewood, TX 78669	Latitude:	30° 24' 22" N
Well County:	Travis	Longitude:	098° 06' 59" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **5/25/2006**      Drilling End Date: **5/25/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	8	0	20
	6	20	200

Drilling Method: **Air Rotary**

Borehole Completion: **Backfilled**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 0 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker, P.G.** License Number: **54516**

Comments: **Backfilled w/ 2' Cement Cap**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>38</b>	<b>Tan Limestone</b>
<b>38</b>	<b>55</b>	<b>Grey Limestone w/ Clay</b>
<b>55</b>	<b>98</b>	<b>Grey Clay</b>
<b>98</b>	<b>110</b>	<b>Red Clay/Sandstone</b>
<b>110</b>	<b>115</b>	<b>Grey Sand</b>
<b>115</b>	<b>120</b>	<b>Gravel</b>
<b>120</b>	<b>145</b>	<b>Red Sandstone</b>
<b>145</b>	<b>195</b>	<b>Gravel</b>
<b>195</b>	<b>200</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #99843

Owner:	<b>CASTLETOP RANCH</b>	Owner Well #:	<b>No Data</b>
Address:	<b>COX'S CROSSING SPICEWOOD, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25800 COX'S CROSSING SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 33" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 59" W</b>
		Elevation:	<b>734 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/16/2006**      Drilling End Date: **11/16/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>11</b>
	<b>6.75</b>	<b>11</b>	<b>170</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>6</b>	<b>4</b>
	<b>6</b>	<b>11</b>	<b>4</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **250**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **STEEL TAPE**

Surface Completion: **Surface Sleeve Installed**

Water Level: **78 ft. below land surface on 2006-11-20**      Measurement Method: **Unknown**

Packers: **NEOPRENE 13  
NEOPRENE 95  
NEOPRENE 100**

Type of Pump: **Submersible**      Pump Depth (ft.): **160**

Well Tests: **Jetted**      Yield: **50 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR 54416**

License Number: **54416**

Apprentice Name: **CESAR RAMOS**

Apprentice Number: **3090**

Comments: **Amended 1/22/07 ref#4180**

**Report Amended on by Request #4180**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>20</b>	<b>TAN SHALE</b>
<b>20</b>	<b>48</b>	<b>TAN SANDSTONE</b>
<b>48</b>	<b>58</b>	<b>BROWN ROCK</b>
<b>58</b>	<b>65</b>	<b>BROWN SANDSTONE</b>
<b>65</b>	<b>69</b>	<b>BROWN CLAY</b>
<b>69</b>	<b>100</b>	<b>BROWN SANDSTONE</b>
<b>100</b>	<b>167</b>	<b>BROWN ROCK W/B 50 GPM TDS 650</b>
<b>167</b>	<b>170</b>	<b>YELLOW CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0-105</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG.</b>	<b>105-165 .050</b>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>165-170</b>



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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #100952

Owner: **Wes Brockhoeft c/o Action Water Wells**

Owner Well #: **1**

Address: **100 Spanish Oak Trail  
Spicewood, TX 78669**

Grid #: **57-39-9**

Well Location: **Wild River Ranch / 2809 Fall Creek Rd.  
Spicewood, TX 78669**

Latitude: **30° 24' 45" N**

Longitude: **098° 07' 45" W**

Elevation: **No Data**

Well County: **Travis**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **12/8/2006**

Drilling End Date: **12/8/2006**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>20</b>
<b>6.75</b>	<b>20</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 145', 140', 20'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 8 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>150 - 200</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling, Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>10</b>	<b>Tan Limestone</b>
<b>10</b>	<b>35</b>	<b>Red Clay &amp; White Limestone</b>
<b>35</b>	<b>73</b>	<b>White Limestone</b>
<b>73</b>	<b>120</b>	<b>Grey Limestone with Clay</b>
<b>120</b>	<b>150</b>	<b>Grey Limestone with Clay</b>
<b>150</b>	<b>200</b>	<b>Gravel H2O</b>
<b>200</b>	<b>210</b>	<b>Tan Clay</b>
<b>210</b>	<b>220</b>	<b>Grey Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 160' Sch40</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>160' to 200' .035</b>
<b>4.5" (5"OD)</b>	<b>New</b>	<b>PVC</b>	<b>200' to 220' Sch40</b>

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## STATE OF TEXAS WELL REPORT for Tracking #102754

Owner:	<b>BRANDY &amp; EDUARDO SALMERON</b>	Owner Well #:	<b>No Data</b>
Address:	<b>12501 CR 404 SPICEWOOD, TX 78669</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>12501 CR 404 SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 27' 22.78" N</b>
Well County:	<b>Burnet</b>	Longitude:	<b>098° 06' 40.01" W</b>
		Elevation:	<b>908 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **12/8/2006**      Drilling End Date: **12/8/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>11</b>
	<b>6.75</b>	<b>11</b>	<b>285</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>9</b>	<b>5</b>
	<b>9</b>	<b>11</b>	<b>1</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **118 ft. below land surface on 2006-12-11**      Measurement Method: **Unknown**

Packers: **NEOPRENE 11  
NEOPRENE 105  
NEOPRENE 235  
NEOPRENE 240**

Type of Pump: **Submersible**      Pump Depth (ft.): **260**

Well Tests: **Jetted**      Yield: **7 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING**  
**185 ANGELFIRE DRIVE**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **Jim Blair** License Number: **54416**

Comments: **No Data**

**Report Amended on 3/17/2025 by Request #44639**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>10</b>	<b>WHITE ROCK</b>
<b>10</b>	<b>30</b>	<b>GRAY LIMESTONE</b>
<b>30</b>	<b>70</b>	<b>YELLOW SANDSTONE</b>
<b>70</b>	<b>85</b>	<b>RED SANDSTONE</b>
<b>85</b>	<b>100</b>	<b>RED CLAY</b>
<b>100</b>	<b>130</b>	<b>WHITE ROCK W/B 4 GPM</b>
<b>130</b>	<b>145</b>	<b>GRAY ROCK</b>
<b>145</b>	<b>195</b>	<b>GRAY CLAY</b>
<b>195</b>	<b>200</b>	<b>GRAY ROCK</b>
<b>200</b>	<b>235</b>	<b>RED CLAY</b>
<b>235</b>	<b>275</b>	<b>BROWN ROCK W/B 3 GPM</b>
<b>275</b>	<b>285</b>	<b>GOLD CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0-242</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG.</b>	<b>242-282 .050</b>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>282-285</b>

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## STATE OF TEXAS WELL REPORT for Tracking #103092

Owner: **DAVE BIEHN**

Owner Well #: **No Data**

Address: **26904 Founders Place  
Spicewood, TX 78669**

Grid #: **57-40-1**

Well Location: **26904 Founders Place  
Spicewood, TX 78669**

Latitude: **30° 28' 03" N**

Longitude: **098° 05' 42" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/20/2006**

Drilling End Date: **10/20/2006**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>30</b>
	<b>6</b>	<b>30</b>	<b>320</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>30</b>	<b>6</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Central Texas Drilling**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **3 Packers at 30', 110', 115'**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 8 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>40</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Central Texas Drilling Inc.**  
**500 Southland Drive**  
**Burnet, TX 78611**

Driller Name: **Frank Glass**

License Number: **1313**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>From (ft)</i>	<i>To (ft)</i>	<i>Description</i>
<b>000-001</b>		<b>Top soil</b>
<b>001-020</b>		<b>Caliche</b>
<b>020-100</b>		<b>Blue lime</b>
<b>100-115</b>		<b>Clay brown</b>
<b>115-160</b>		<b>Large gravel</b>
<b>160-200</b>		<b>Blue clay</b>
<b>200-320</b>		<b>Smithwick shale or Marble Falls</b>
		<b>limestone</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5"</b>	<b>New</b>	<b>Plastic</b>	<b>+2-320 17 &amp; 40</b>
<b>60'</b>		<b>Screen</b>	

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**(512) 334-5540**



## STATE OF TEXAS WELL REPORT for Tracking #105073

Owner: **ROBERT DAY**

Owner Well #: **No Data**

Address: **111 Cloudland Court  
Spicewood, TX 78669**

Grid #: **57-40-1**

Well Location: **111 Cloudland Court  
Spicewood, TX 78669**

Latitude: **30° 27' 38" N**

Longitude: **098° 06' 24" W**

Well County: **Travis**

Elevation: **No Data**

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #37418**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **1/10/2007**

Drilling End Date: **1/10/2007**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>260</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Owner**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>30</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Western Water Wells LLC**  
**500 Southland Drive**  
**Burnet, TX 78611**

Driller Name: **Frank Glass**

License Number: **1313**

Comments: **Well to be plugged.**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>Top soil</b>
<b>3</b>	<b>55</b>	<b>Caliche &amp; clay</b>
<b>55</b>	<b>75</b>	<b>Cow creek white porous lime</b>
<b>75</b>	<b>140</b>	<b>Gray lime &amp; Hammond</b>
<b>140</b>	<b>225</b>	<b>Red clay &amp; gravel Trinity</b>
<b>225</b>	<b>245</b>	<b>Yellow clay</b>
<b>245</b>	<b>260</b>	<b>Smithwick</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #108237

Owner:	<b>BECKY MADISON</b>	Owner Well #:	<b>No Data</b>
Address:	<b>1251 LAKESHORE DR SPICEWOOD, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25219 RIVER RD SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 26.83" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 48.43" W</b>
		Elevation:	<b>750 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **3/13/2007**      Drilling End Date: **3/13/2007**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>6.75</b>	<b>12</b>	<b>210</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>6</b>	<b>4</b>
	<b>6</b>	<b>12</b>	<b>5</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **122 ft. below land surface on 2007-03-13**      Measurement Method: **Unknown**

Packers: **NEOPRENE 12  
NEOPRENE 125  
NEOPRENE 135**

Type of Pump: **Submersible**      Pump Depth (ft.): **200**

Well Tests: **Jetted**      Yield: **15 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **Jim Blair**

License Number: **54416**

Comments: **No Data**

**Report Amended on 7/31/2023 by Request #40056**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	3	WHITE ROCK
3	7	TAN SANDSTONE
7	40	WHITE ROCK
40	53	YELLOW ROCK
53	56	GRAY ROCK
56	70	BLUE SHALE
70	80	RED SHALE
80	96	BLACK SHALE
96	130	RED SANDSTONE
130	210	RED ROCK W/B 15 GPM TDS 610

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0-140
4.5	NEW	SCREEN MFG	140-200 .050
4.5	NEW	PLASTIC	200-21

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## STATE OF TEXAS WELL REPORT for Tracking #111526

Owner:	<b>LARRY EISENBERG</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3004 SPARKLING BROOK LN AUSTIN, TX 78746</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25204 SUNSET RIVER CR SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 38" N</b>
		Longitude:	<b>098° 04' 43" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>800 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/12/2007**      Drilling End Date: **4/12/2007**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>8</b>	<b>12</b>	<b>170</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>2</b>	<b>2</b>
	<b>2</b>	<b>105</b>	<b>9</b>

Seal Method: **PRESSURE CEMENTED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **86**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **STEEL TAPE**

Surface Completion: **Surface Sleeve Installed**

Water Level: **90 ft. below land surface on 2007-04-14**      Measurement Method: **Unknown**

Packers: **NEOPRENE 105  
NEOPRENE 110  
NEOPRENE 128  
NEOPRENE 130**

Type of Pump: **Submersible**      Pump Depth (ft.): **160**

Well Tests: **Jetted**      Yield: **30 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR** License Number: **54416**

Apprentice Name: **CESAR RAMOS** Apprentice Number: **57534**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>28</b>	<b>TAN ROCK</b>
<b>28</b>	<b>38</b>	<b>GREY ROCK</b>
<b>38</b>	<b>90</b>	<b>BLUE SHALE</b>
<b>90</b>	<b>115</b>	<b>BLACK ROCK</b>
<b>115</b>	<b>130</b>	<b>RED CLAY</b>
<b>130</b>	<b>170</b>	<b>RED ROCK W/B 30 GPM TDS 690</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0-130</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG.</b>	<b>130-170 .050</b>

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## STATE OF TEXAS WELL REPORT for Tracking #117473

Owner: **Paul Hopkins**

Owner Well #: **1**

Address: **3200 Fall Creek Estate  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **3200 Fall Creek Estate  
Spicewood, TX 78669**

Latitude: **30° 24' 12" N**

Longitude: **098° 06' 43" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **4/18/2007**

Drilling End Date: **4/18/2007**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>225</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Unknown**      **Yield: 0 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>Backfilled</b>		



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>104-215</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew J Johnson** License Number: **54989**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>34</b>	<b>Tan Limestone</b>
<b>34</b>	<b>65</b>	<b>Grey Limestone w/ Clay</b>
<b>65</b>	<b>98</b>	<b>Blue Clay</b>
<b>98</b>	<b>104</b>	<b>Red Clay</b>
<b>104</b>	<b>118</b>	<b>Gravel</b>
<b>118</b>	<b>135</b>	<b>Clay</b>
<b>135</b>	<b>165</b>	<b>Gravel</b>
<b>165</b>	<b>185</b>	<b>White Limestone</b>
<b>185</b>	<b>215</b>	<b>Gravel</b>
<b>215</b>	<b>225</b>	<b>Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #117475

Owner: **Paul Hopkins**

Owner Well #: **2**

Address: **3200 Fall Creek Estate  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **3200 Fall Creek Estate  
Spicewood, TX 78669**

Latitude: **30° 24' 11" N**

Longitude: **098° 06' 43" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **4/19/2007**

Drilling End Date: **4/19/2007**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>210</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Unknown**      **Yield: 0 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>Backfilled</b>		

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew J Johnson** License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>22</b>	<b>Tan Limestone</b>
<b>22</b>	<b>49</b>	<b>Grey Limestone</b>
<b>49</b>	<b>90</b>	<b>Clay</b>
<b>90</b>	<b>110</b>	<b>Red Clay</b>
<b>110</b>	<b>115</b>	<b>Gravel</b>
<b>115</b>	<b>125</b>	<b>Red Clay</b>
<b>125</b>	<b>165</b>	<b>Gravel</b>
<b>165</b>	<b>210</b>	<b>Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #121336

Owner:	<b>STEVE HUGHES</b>	Owner Well #:	<b>No Data</b>
Address:	<b>1251 LAKESHORE DR SPICEWOOD, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>1231 LAKESHORE DR SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 40" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 28" W</b>
		Elevation:	<b>853 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/27/2007**      Drilling End Date: **8/27/2007**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>140</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>2</b>	<b>2</b>
	<b>2</b>	<b>100</b>	<b>16</b>

Seal Method: **PRESSURE CEMENTED**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **55 ft. below land surface on 2007-08-28**      Measurement Method: **Unknown**

Packers: **NEOPRENE 100  
NEOPRENE 118  
NEOPRENE 120**

Type of Pump: **Submersible**      Pump Depth (ft.): **126**

Well Tests: **Jetted**      Yield: **80 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING INC**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **BOBBY ROBERTS** License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>TOPSOIL</b>
<b>1</b>	<b>2</b>	<b>SURFACE ROCK</b>
<b>2</b>	<b>14</b>	<b>BROWN GRAVEL</b>
<b>14</b>	<b>35</b>	<b>TAN LIMESTONE</b>
<b>35</b>	<b>70</b>	<b>BLUE SHALE</b>
<b>70</b>	<b>80</b>	<b>RED SHALE</b>
<b>80</b>	<b>115</b>	<b>RED CLAY</b>
<b>115</b>	<b>140</b>	<b>RED ROCK W/B 80 GPM TDS 660</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0-120</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG</b>	<b>120-140 .050</b>

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**Austin, TX 78711**  
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## STATE OF TEXAS WELL REPORT for Tracking #127312

Owner: **Chris Milam**

Owner Well #: **No Data**

Address: **2327 Cuernavaca  
Austin, TX 78733**

Grid #: **57-39-9**

Well Location: **2701 Fall Creek Rd.  
Spicewood, TX 78669**

Latitude: **30° 24' 57" N**

Longitude: **098° 07' 32" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/10/2005**

Drilling End Date: **5/11/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>185</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>6</b>

Seal Method: **Hand Poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **280**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape Measure**

Surface Completion: **Surface Sleeve Installed**

Water Level: **71 ft. below land surface on 2005-03-11**

Measurement Method: **Unknown**

Packers: **Shale Trap 145**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 30 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Tom Arnold Drilling**  
**1147 CR 170**  
**Round Rock, TX 78664**

Driller Name: **Tommy D. Arnold**

License Number: **2096**

Comments: **Logged by DT\$**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil and Loose Rock</b>
<b>1</b>	<b>6</b>	<b>Cemented Gravel</b>
<b>6</b>	<b>11</b>	<b>White Limestone</b>
<b>11</b>	<b>18</b>	<b>Yellow Sandstone</b>
<b>18</b>	<b>40</b>	<b>White Sandstone</b>
<b>40</b>	<b>48</b>	<b>Gray Sandstone</b>
<b>48</b>	<b>69</b>	<b>Purple Shale</b>
<b>69</b>	<b>79</b>	<b>Gray Sandstone</b>
<b>79</b>	<b>86</b>	<b>Blue Shale</b>
<b>86</b>	<b>90</b>	<b>Gray Sandstone</b>
<b>90</b>	<b>120</b>	<b>Red Shale</b>
<b>120</b>	<b>165</b>	<b>Cemented Gravel</b>
<b>165</b>	<b>185</b>	<b>Blue Shale</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>6 N</b>	<b>Plastic</b>	<b>0/120</b>	
<b>4 1/2 N</b>	<b>Plastic</b>	<b>0/185</b>	
<b>Perf.</b>	<b>145/165</b>		



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## STATE OF TEXAS WELL REPORT for Tracking #131575

Owner:	<b>TODD COPENHAVER</b>	Owner Well #:	<b>No Data</b>
Address:	<b>1403 HARGIS CREEK TR AUSTIN, TX 78717</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>1209 LAKESHORE DR SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 28" N</b>
		Longitude:	<b>098° 04' 40" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>741 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **12/1/2007**      Drilling End Date: **12/1/2007**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>8</b>	<b>12</b>	<b>155</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>2</b>	<b>3</b>
	<b>2</b>	<b>105</b>	<b>16</b>

Seal Method: **PRESSURE CEMENTED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **55 ft. below land surface on 2007-12-04**      Measurement Method: **Unknown**

Packers: **NEOPRENE 105  
NEOPRENE 107  
NEOPRENE 125  
NEOPRENE 127**

Type of Pump: **Submersible**      Pump Depth (ft.): **140**

Well Tests: **Jetted**      Yield: **100 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING INC**  
**185 ANGEL FIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR** License Number: **54416**

Apprentice Name: **CESAR RAMOS** Apprentice Number: **57534**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>TOPSOIL</b>
<b>1</b>	<b>20</b>	<b>CALICHE</b>
<b>20</b>	<b>75</b>	<b>BLUE SHALE</b>
<b>75</b>	<b>125</b>	<b>RED SANDSTONE</b>
<b>125</b>	<b>155</b>	<b>RED ROCK W/B 100 GPM TDS 730</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0-135</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG</b>	<b>135-155 .050</b>

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## STATE OF TEXAS WELL REPORT for Tracking #139600

Owner:	<b>RICK SCHATZ</b>	Owner Well #:	<b>No Data</b>
Address:	<b>23526 HWY 71 W SPICEWOOD, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>HWY 71 W SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 24' 48" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 07' 17" W</b>
		Elevation:	<b>821 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **3/26/2008**      Drilling End Date: **3/26/2008**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>7</b>	<b>12</b>	<b>195</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>6</b>	<b>6</b>
	<b>6</b>	<b>12</b>	<b>5</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **BOBBY ROBERTS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **138 ft. below land surface on 2008-03-27**      Measurement Method: **Unknown**

Packers: **NEOPRENE 12  
NEOPRENE 136  
NEOPRENE 141**

Type of Pump: **Submersible**      Pump Depth (ft.): **180**

Well Tests: **Jetted**      Yield: **7 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING INC**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR** License Number: **54416**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>12</b>	<b>CALICHE</b>
<b>12</b>	<b>30</b>	<b>GRAY LIMESTONE</b>
<b>30</b>	<b>35</b>	<b>GREY SHALE</b>
<b>35</b>	<b>45</b>	<b>TAN ROCK</b>
<b>45</b>	<b>105</b>	<b>GREY CLAY</b>
<b>105</b>	<b>135</b>	<b>RED CLAY</b>
<b>135</b>	<b>192</b>	<b>TAN ROCK W/B 7 GPM TDS 1700</b>
<b>192</b>	<b>195</b>	<b>BLUE SHALE</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0-155</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG</b>	<b>155-195 .050</b>

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## STATE OF TEXAS WELL REPORT for Tracking #141907

Owner:	<b>LARRY ROTHER</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3601 MISTY CREEK AUSTIN, TX 78735</b>	Grid #:	<b>57-39-6</b>
Well Location:	<b>12700 HWY 71 SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 25' 45" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 07' 39" W</b>
		Elevation:	<b>1000 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/16/2008**      Drilling End Date: **4/16/2008**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>6.75</b>	<b>12</b>	<b>375</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>6</b>	<b>6</b>
	<b>6</b>	<b>12</b>	<b>5</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **BOBBY ROBERTS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **288 ft. below land surface on 2008-04-17**      Measurement Method: **Unknown**

Packers: **NEOPRENE 12  
NEOPRENE 290  
NEOPRENE 295**

Type of Pump: **Submersible**      Pump Depth (ft.): **360**

Well Tests: **Jetted**      Yield: **15 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING INC**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR** License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>19</b>	<b>CALICHE</b>
<b>19</b>	<b>130</b>	<b>GRAY LIMESTONE</b>
<b>130</b>	<b>195</b>	<b>BROWN CLAY</b>
<b>195</b>	<b>230</b>	<b>WHITE ROCK</b>
<b>230</b>	<b>280</b>	<b>GRAY SHALE</b>
<b>280</b>	<b>285</b>	<b>GRAY ROCK</b>
<b>285</b>	<b>355</b>	<b>BROWN ROCK W/B 15 GPM</b>
<b>355</b>	<b>357</b>	<b>RED SHALE</b>
<b>357</b>	<b>370</b>	<b>BROWN ROCK</b>
<b>370</b>	<b>375</b>	<b>BLUE CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0-315</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG</b>	<b>315-355 .050</b>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>355-375</b>



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## STATE OF TEXAS WELL REPORT for Tracking #146397

Owner:	<b>Paul Jones</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3500 McNeil Dr Austin, TX 78727</b>	Grid #:	<b>57-40-1</b>
Well Location:	<b>1229 CR 420 Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 52" N</b>
Well County:	<b>Burnet</b>	Longitude:	<b>098° 06' 21" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/3/2008**

Drilling End Date: **5/3/2008**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 120', 115', 20'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 7-8 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
127-180	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew J Johnson** License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Top Soil
2	10	Tan Limestone
10	34	Tan Limestone w/ Red Clay
34	80	Grey-Tan Limestone
80	102	Grey Clay
102	127	Red Sandstone
127	135	Gravel H2O
135	153	Sandstone
153	157	Gravel H2O
157	163	Sandstone
163	180	Gravel H2O
180	183	Turquoise Clay
183	200	Tan Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5"	(5" OD)	New PVC	+2' to 120' SDR17
4.5"	(5" OD)	New Slotted PVC	120' to 180' .035

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## STATE OF TEXAS WELL REPORT for Tracking #147063

Owner:	<b>Don Bliss</b>	Owner Well #:	<b>No Data</b>
Address:	<b>P O Box 595 Spicewood, TX 78669</b>	Grid #:	<b>57-39-6</b>
Well Location:	<b>Granite Ridge Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 00" N</b>
Well County:	<b>Burnet</b>	Longitude:	<b>098° 08' 24" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/19/2008**      Drilling End Date: **5/19/2008**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>340</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 20', 220', 265'**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 7 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>265' to 317'</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>12</b>	<b>Caliche</b>
<b>12</b>	<b>110</b>	<b>Grey Limestone</b>
<b>110</b>	<b>175</b>	<b>Tan Sand</b>
<b>175</b>	<b>198</b>	<b>White Limestone</b>
<b>198</b>	<b>230</b>	<b>Grey Limestone with Clay</b>
<b>230</b>	<b>265</b>	<b>Grey Clay</b>
<b>265</b>	<b>294</b>	<b>Red Clay Sandstone</b>
<b>294</b>	<b>317</b>	<b>Gravel H2O</b>
<b>317</b>	<b>340</b>	<b>Tan-Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2 to 340' SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>280' to 320' .035</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #153340

Owner:	<b>GEORGE DODGE</b>	Owner Well #:	<b>No Data</b>
Address:	<b>200 JIM DAVIDSON DR SUGAR LAND, TX 77478</b>	Grid #:	<b>57-40-1</b>
Well Location:	<b>304 HIDDEN HILLS SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 27' 32.83" N</b>
		Longitude:	<b>098° 06' 28.3" W</b>
Well County:	<b>Burnet</b>	Elevation:	<b>800 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/8/2008**

Drilling End Date: **8/8/2008**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>10</b>	<b>0</b>	<b>12</b>
	<b>6.75</b>	<b>12</b>	<b>195</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Open Hole**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>0</b>	<b>6</b>	<b>5</b>
	<b>6</b>	<b>12</b>	<b>6</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **82**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **TAPE (CITY SEWER)**

Surface Completion: **Surface Sleeve Installed**

Water Level: **102 ft. below land surface on 2008-08-12** Measurement Method: **Unknown**

Packers: **NEOPRENE 12  
NEOPRENE 128  
NEOPRENE 130**

Type of Pump: **Submersible** Pump Depth (ft.): **180**

Well Tests: **Jetted** Yield: **2 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING INC**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **Jim Blair** License Number: **54416**

Apprentice Name: **Cesar Ramos**

Comments: **No Data**

**Report Amended on 3/17/2025 by Request #44642**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	3	WHITE ROCK
3	25	GRAY LIMESTONE
25	55	TAN LIMESTONE
55	65	TAN SANDSTONE
65	80	TAN LIMESTONE
80	126	RED CLAY
126	145	WHITE ROCK W/B 2 GPM TDS 400
145	170	GRAY ROCK
170	195	GRAY SHALE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0-135
4.5	NEW	SCREEN MFG	135-165 .050
4.5	NEW	PLASTIC	165-195



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## STATE OF TEXAS WELL REPORT for Tracking #162929

Owner:	<b>CLARK ASPY</b>	Owner Well #:	<b>No Data</b>
Address:	<b>8310 CAP OF TX HWY N, STE 490 AUSTIN, TX 78731</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>7 MATHIS CIRCLE SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 35" N</b>
		Longitude:	<b>098° 05' 02" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>715 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/25/2008**      Drilling End Date: **11/25/2008**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>8</b>	<b>12</b>	<b>170</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>20</b>

Seal Method: **PRESSURE CEMENTED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **68 ft. below land surface on 2008-11-26**      Measurement Method: **Unknown**

Packers: **NEOPRENE 100  
NEOPRENE 105  
NEOPRENE 108**

Type of Pump: **Submersible**      Pump Depth (ft.): **150**

Well Tests: **Jetted**      Yield: **30 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING INC**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **BOBBY ROBERTS** License Number: **54416**

Apprentice Name: **CESAR RAMOS** Apprentice Number: **57534**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>10</b>	<b>FILL</b>
<b>10</b>	<b>20</b>	<b>TAN SHALE</b>
<b>20</b>	<b>40</b>	<b>SAND</b>
<b>40</b>	<b>60</b>	<b>RED SANDSTONE</b>
<b>60</b>	<b>90</b>	<b>BLACK ROCK</b>
<b>90</b>	<b>105</b>	<b>BLUE SHALE</b>
<b>105</b>	<b>120</b>	<b>GREY ROCK</b>
<b>120</b>	<b>170</b>	<b>GRAVEL W/B 30 GPM TDS 600</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0-130</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG</b>	<b>130-170</b>

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## STATE OF TEXAS WELL REPORT for Tracking #171112

Owner: **Faught, Sybil** Owner Well #: **Faught#1**  
Address: **40703 Balcones Woods Drive** Grid #: **57-40-4**  
**Austin, TX 78759**  
Well Location: **25209 Lakeview Drive** Latitude: **30° 25' 46" N**  
**Spicewood, TX 78669** Longitude: **098° 05' 35" W**  
Well County: **Travis** Elevation: **616 ft. above sea level**

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #65508**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **2/2/2009**

Drilling End Date: **2/16/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>70</b>	<b>140</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>2</b>	<b>45</b>	<b>11PL1QUCIKGELCL</b>
	<b>45</b>	<b>70</b>	<b>1BENSEALCLAY</b>

Seal Method: **PRESSURE GROUT**

Distance to Property Line (ft.): **11**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **MEASURED**

Surface Completion: **Pitless Adapter Used**

Water Level: **76 ft. below land surface on 2009-02-04** Measurement Method: **Unknown**

Packers: **GRAVEL PACKED**

Type of Pump: **Submersible** Pump Depth (ft.): **130**

Well Tests: **Pump** **Yield: 1 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>80-140</b>	<b>GOOD</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **WHISENANT & LYLE WATER SERVICES**

**P.O. BOX 525  
DRIPPING SPRINGS, TX 78620**

Driller Name: **MARTIN D LINGLE**

License Number: **54813**

Apprentice Name: **GARY S TUCKER**

Apprentice Number: **58291**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>3</b>	<b>white limestone hard</b>
<b>3</b>	<b>7</b>	<b>gray limestone</b>
<b>7</b>	<b>10</b>	<b>yellow limestone</b>
<b>10</b>	<b>15</b>	<b>white gray limestone</b>
<b>15</b>	<b>20</b>	<b>white limestone yellow clay</b>
<b>20</b>	<b>25</b>	<b>red green blue clay</b>
<b>25</b>	<b>45</b>	<b>white limestone hard</b>
<b>45</b>	<b>50</b>	<b>black clay green</b>
<b>50</b>	<b>112</b>	<b>red sand clay</b>
<b>112</b>	<b>128</b>	<b>white limestone hard</b>
<b>128</b>	<b>168</b>	<b>brown clay</b>
<b>168</b>	<b>195</b>	<b>blue green red clay</b>
<b>195</b>	<b>200</b>	<b>black clay</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>4.5</b>	<b>N</b>	<b>PVC-SDR 17IB</b>	<b>+1 - 80</b>
<b>4.5</b>	<b>N</b>	<b>SDR-SLOTTED.032</b>	<b>80 - 140</b>

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## STATE OF TEXAS WELL REPORT for Tracking #171128

Owner: **Faught, Sybil** Owner Well #: **Faught#2**  
Address: **40703 Balcones Woods Drive** Grid #: **57-40-4**  
**Austin, TX 78759**  
Well Location: **25209 Lakeview Drive** Latitude: **30° 25' 44" N**  
**Spicewood, TX 78669** Longitude: **098° 05' 40" W**  
Well County: **Travis** Elevation: **700 ft. above sea level**

**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #123550**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **2/16/2009**

Drilling End Date: **2/16/2009**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>120</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>2</b>	<b>1PortlandCement</b>
<b>2</b>	<b>120</b>	<b>Dry Cuttings</b>

Seal Method: **Pour**

Distance to Property Line (ft.): **11**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **MEASURED**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Service**

**P.O. Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin D Lingle**

License Number: **54813**

Apprentice Name: **Gary S Tucker**

Apprentice Number: **58291**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>15</b>	<b>white rock sand</b>
<b>15</b>	<b>17</b>	<b>white limestone hard</b>
<b>17</b>	<b>60</b>	<b>red sand clay</b>
<b>60</b>	<b>65</b>	<b>red shale</b>
<b>65</b>	<b>85</b>	<b>white limestone hard</b>
<b>85</b>	<b>120</b>	<b>brown blue red clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #182186

Owner: **C.R.I. Development, attn: Mike Jennings**

Owner Well #: **No Data**

Address: **2007 Big Canyon Drive  
Austin, TX 78746**

Grid #: **57-40-4**

Well Location: **801 Paleface Ranch Rd S  
Spicewood, TX 78669**

Latitude: **30° 25' 46" N**

Longitude: **098° 06' 22" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/19/2004** Drilling End Date: **10/19/2004**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>30</b>
	<b>6</b>	<b>30</b>	<b>260</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>30</b>	<b>6</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **2 PVC and burlap, 30' and 130'**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 2-4 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>30</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Western Water Wells, LLC**  
**500 Southland Drive**  
**Burnet, TX 78611**

Driller Name: **Frank A. Glass**

License Number: **1313**

Comments: **\$scd**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>topsoil</b>
<b>3</b>	<b>22</b>	<b>clay</b>
<b>22</b>	<b>30</b>	<b>blue lime</b>
<b>30</b>	<b>55</b>	<b>white lime</b>
<b>55</b>	<b>120</b>	<b>gray lime and clay</b>
<b>120</b>	<b>200</b>	<b>red beds Trinity</b>
<b>200</b>	<b>260</b>	<b>blue clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>5 OD N plastic +2-260 sch40</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #184974

Owner:	<b>Carl Jones</b>	Owner Well #:	<b>1</b>
Address:	<b>2525 Bainbridge Street Odessa, TX 79762</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>24017 Haynie Flat Road Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 17" N</b>
		Longitude:	<b>098° 05' 00" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/27/2009**      Drilling End Date: **5/28/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>205</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>125</b>	<b>30</b>

Seal Method: **Tremie**

Sealed By: **ADC**

Distance to Property Line (ft.): **31**

Distance to Septic Field or other  
concentrated contamination (ft.): **150+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **97 ft. below land surface on 2009-06-13**      Measurement Method: **Unknown**

Packers: **neophrene/burlap 125'**

Type of Pump: **Submersible**      Pump Depth (ft.): **100**

Well Tests: **Estimated**      Yield: **10 GPM**

---

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>125'-205'</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

---

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Associated Drilling Co.**

**PO Box 1060  
Manchaca, TX 78652**

Driller Name: **Byron Benoit**

License Number: **1955**

Apprentice Name: **Frank Barnard**

Apprentice Number: **56366**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>125</b>	<b>tan lime</b>
<b>125</b>	<b>205</b>	<b>broken red sandstone</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5"</b>	<b>New</b>	<b>Plastic</b>	<b>-2' to 205' sdr17</b>
<b>slotted 125'-205'</b>			

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #185363

Owner: **HARRY NETTI** Owner Well #: **001**  
Address: **3 ASHBROOK PLACE** Grid #: **57-40-7**  
**AUSTIN, TX 78738**  
Well Location: **3000 FALL CREEK ESTATES DR.** Latitude: **30° 24' 25" N**  
**SPICEWOOD, TX 78669** Longitude: **098° 06' 56" W**  
Well County: **Travis** Elevation: **813 ft. above sea level**

**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #124614**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/19/2009**

Drilling End Date: **5/19/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>6.75</b>	<b>12</b>	<b>230</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Unknown**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **NONE**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 0 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>0 - 1 TOPSOIL</b>		
	<b>1 - 3 CEMENT (2)</b>		

**3 - 230 CUTTINGS**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING INC**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **BOBBY ROBERTS**License Number: **54416**Apprentice Name: **CESAR RAMOS**Apprentice Number: **57534**Comments: **Amended 7/20/09 Ref.#7314****Report Amended on by Request #7314**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>TOPSOIL</b>
<b>1</b>	<b>28</b>	<b>GREY ROCK</b>
<b>28</b>	<b>30</b>	<b>CAVE</b>
<b>30</b>	<b>65</b>	<b>ROCK</b>
<b>65</b>	<b>100</b>	<b>CLAY</b>
<b>100</b>	<b>105</b>	<b>SANDSTONE</b>
<b>105</b>	<b>150</b>	<b>CLAY</b>
<b>150</b>	<b>220</b>	<b>ROCK</b>
<b>220</b>	<b>230</b>	<b>CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>NONE</b>			

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**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #185366

Owner:	<b>HARRY NETTI</b>	Owner Well #:	<b>002</b>
Address:	<b>3 ASHBROOK PLACE AUSTIN, TX 78738</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>3000 FALL CREEK ESTATES DR. SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 24' 25" N</b>
		Longitude:	<b>098° 05' 56" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>813 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/19/2009**      Drilling End Date: **5/19/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>6.75</b>	<b>12</b>	<b>265</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>6</b>	<b>5 CEMENT</b>
	<b>6</b>	<b>12</b>	<b>4 BENTONITE</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level: **154 ft. below land surface on 2009-05-21**      Measurement Method: **Unknown**

Packers: **NEOPRENE 12  
NEOPRENE 145  
NEOPRENE 150**

Type of Pump: **Submersible**      Pump Depth (ft.): **240**

Well Tests: **Jetted**      Yield: **2 GPM**



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

---

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING INC**  
**185 ANGELFIRE DR**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **BOBBY ROBERTS**

License Number: **54416**

Apprentice Name: **CESAR RAMOS**

Apprentice Number: **57534**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>TOPSOIL</b>
<b>1</b>	<b>65</b>	<b>WHITE ROCK</b>
<b>65</b>	<b>105</b>	<b>BLUE SHALE</b>
<b>105</b>	<b>115</b>	<b>RED SANDSTONE</b>
<b>115</b>	<b>165</b>	<b>SAND &amp; GRAVEL W/B 2 GPM</b>
<b>165</b>	<b>185</b>	<b>BLACK ROCK</b>
<b>185</b>	<b>191</b>	<b>PURPLE SHALE</b>
<b>191</b>	<b>230</b>	<b>TAN CLAY</b>
<b>230</b>	<b>250</b>	<b>BLUE CLAY</b>
<b>250</b>	<b>265</b>	<b>GREY SHALE</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0 - 150</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG.</b>	<b>150 - 190 .050</b>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>190 - 265</b>

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**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #188861

Owner: **Richard Ragland**  
Address: **1133 CR 420  
Spicewood, TX 78669**  
Well Location: **1133 CR 4420  
Spicewood, TX 78669**  
Well County: **Burnet**

Owner Well #: **No Data**  
Grid #: **57-40-1**  
Latitude: **30° 27' 49" N**  
Longitude: **098° 06' 30" W**  
Elevation: **No Data**

**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #124928**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/20/2009**

Drilling End Date: **7/20/2009**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>6.75</b>	<b>0</b>	<b>155</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>15</b>	<b>1 cement</b>

Seal Method: **gravity cemented**

Distance to Property Line (ft.): **>75**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **125**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **estimated**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **none**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 0 GPM**

Plug Information:

<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>no casing 0 - 15 cement 1 sack</b>		

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>n/a</b>	<b>n/a</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **L & L Drilling Co.**

**P.O. Box 217  
Hye, TX 78635**

Driller Name: **Gregory A. Smith**

License Number: **1595**

Apprentice Name: **Lynette Smith**

Apprentice Number: **56980**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>9</b>	<b>yellow clay</b>
<b>9</b>	<b>14</b>	<b>white limestone &amp; caliche</b>
<b>14</b>	<b>16</b>	<b>yellow limestone &amp; caliche</b>
<b>16</b>	<b>38</b>	<b>gray limestone &amp; gray shale</b>
<b>38</b>	<b>54</b>	<b>gray limestone</b>
<b>54</b>	<b>74</b>	<b>gray shale &amp; clay</b>
<b>74</b>	<b>76</b>	<b>gray limestone with some brown</b>
<b>76</b>	<b>88</b>	<b>gray shale &amp; clay</b>
<b>88</b>	<b>109</b>	<b>brown &amp; red clay</b>
<b>109</b>	<b>112</b>	<b>gravel</b>
<b>124</b>	<b>128</b>	<b>gravel</b>
<b>128</b>	<b>146</b>	<b>red, white &amp; brown limestone</b>
<b>146</b>	<b>147</b>	<b>gravel</b>
<b>147</b>	<b>151</b>	<b>red, white &amp; brown limestone</b>
<b>151</b>	<b>155</b>	<b>yellow shale</b>
<b>1112</b>	<b>124</b>	<b>red clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>none</b>			

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #188862

Owner: **Richard Ragland**

Owner Well #: **No Data**

Address: **1133 CR 420  
Spicewood, TX 78669**

Grid #: **57-40-1**

Well Location: **1133 CR 4420  
Spicewood, TX 78669**

Latitude: **30° 27' 51" N**

Longitude: **098° 06' 28" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/20/2009**

Drilling End Date: **7/20/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>25</b>
	<b>6.75</b>	<b>25</b>	<b>185</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>25</b>	<b>2 cement</b>

Seal Method: **gravity cemented**

Distance to Property Line (ft.): **>75**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **125**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **estimated**

Surface Completion: **Surface Sleeve Installed**

Water Level: **170 ft. below land surface on 2009-07-20** Measurement Method: **Unknown**

Packers: **poor boy 25'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 2 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>145</b>	<b>800 TDS</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **L & L Drilling Co.**

**P.O. Box 217  
Hye, TX 78635**

Driller Name: **Gregory A. Smith**

License Number: **1595**

Apprentice Name: **Lynette Smith**

Apprentice Number: **56980**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>3</b>	<b>brown clay</b>
<b>3</b>	<b>8</b>	<b>yellow limestone &amp; caliche</b>
<b>8</b>	<b>13</b>	<b>yellow clay</b>
<b>13</b>	<b>18</b>	<b>yellow limestone</b>
<b>18</b>	<b>21</b>	<b>gray limestone</b>
<b>21</b>	<b>23</b>	<b>gray shale &amp; clay</b>
<b>23</b>	<b>26</b>	<b>black limestone</b>
<b>26</b>	<b>37</b>	<b>gray limestone</b>
<b>37</b>	<b>39</b>	<b>gray &amp; brown limestone</b>
<b>39</b>	<b>56</b>	<b>gray limestone</b>
<b>56</b>	<b>89</b>	<b>gray shale &amp; clay with layers of gray limestone</b>
<b>89</b>	<b>104</b>	<b>red clay</b>
<b>104</b>	<b>106</b>	<b>gravel</b>
<b>106</b>	<b>128</b>	<b>red clay</b>
<b>128</b>	<b>129</b>	<b>gravel</b>
<b>129</b>	<b>134</b>	<b>red, white &amp; brown limestone</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>5</b>	<b>new</b>	<b>plastic solid</b>	<b>0 - 104 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic slotted</b>	<b>104 - 108 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic solid</b>	<b>108 - 125 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic slotted</b>	<b>125 - 165 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic solid</b>	<b>165 - 185 0.265</b>

134	137	yellow limestone
137	147	red, white & brown limestone
145	165	water 2 gpm
147	150	gravel
150	163	gravel & red, white & brown limestone
163	185	yellow shale

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**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**



## STATE OF TEXAS WELL REPORT for Tracking #194388

Owner: **LARRY CONWELL** Owner Well #: **001**  
Address: **109 DUCK DRIVE** Grid #: **57-40-7**  
**LAKEWAY, TX 78734**  
Well Location: **26601 HWY 71 WEST** Latitude: **30° 24' 58" N**  
**SPICEWOOD, TX 78669** Longitude: **098° 07' 22" W**  
Well County: **Travis** Elevation: **840 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #125283**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/7/2009**

Drilling End Date: **8/7/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 0 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>0 5 4 CEMENT</b>		
	<b>5 230 CUTTINGS</b>		

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Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING**  
**185 ANGEL FIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR**

License Number: **54416**

Apprentice Name: **CESAR RAMOS**

Apprentice Number: **3090**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0	1	TOPSOIL
1	12	CALICHE
12	60	TAN ROCK
60	90	BLUE SHALE
90	100	RED SHALE
100	130	RED SHALE AND RED SANDSTONE
130	188	BLACK, BROWN, AND WHITE ROCK
188	230	YELLOW AND TAN CLAY

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #194390

Owner:	<b>LARRY CONWELL</b>	Owner Well #:	<b>002</b>
Address:	<b>109 DUCK DRIVE LAKEWAY, TX 78734</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>26601 HWY. 71 WEST SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 24' 58" N</b>
		Longitude:	<b>098° 07' 22" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>811 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/7/2009**

Drilling End Date: **8/7/2009**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>10</b>	<b>0</b>	<b>12</b>
	<b>6.75</b>	<b>12</b>	<b>185</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>10</b>	<b>8 CEMENT</b>
	<b>10</b>	<b>50</b>	<b>15 BENTONITE</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 5 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING**  
**185 ANGEL FIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR** License Number: **54416**

Apprentice Name: **CESAR RAMOS** Apprentice Number: **3090**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0	8	SURFACE ROCK
8	12	WHITE ROCK
12	30	GREY ROCK
30	90	BLUE SHALE
90	105	RED SHALE
105	110	SAND
110	165	BLACK, BROWN, AND WHITE ROCK WB 5GPM
165	185	YELLOW AND TAN CLAY

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0 125
4.5	NEW	SCREEN MFG.	125 165
4.5	NEW	PLASTIC	165 185

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## STATE OF TEXAS WELL REPORT for Tracking #197486

Owner: **Chip Buerger**

Owner Well #: **No Data**

Address: **2809 N. Buerger Road  
Austin, TX 78669**

Grid #: **57-40-7**

Well Location: **2510 Fall Creek Road  
Spicewood, TX**

Latitude: **30° 24' 22" N**

Longitude: **098° 07' 19" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **1/24/2005**

Drilling End Date: **1/24/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>30</b>
	<b>6</b>	<b>30</b>	<b>210</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>30</b>	<b>7</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **No Data**

Sealed By: **Western Water Wells**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **2 PVC & Burlap 30',140'**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 5-8 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
20	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Western Water Wells, LLC**  
**500 Southland Drive**  
**Burnet, TX 78611**

Driller Name: **Frank Glass**

License Number: **1313**

Comments: **\$dfs**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	12	Clay
12	40	Brown Crystal Lime
40	50	Blue Lime,hard
50	80	Gray Lime and Blue Clay
80	115	Hammond
115	135	Red and Blue Clay
135	140	Gravel
140	210	Red Bed Trinity

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5 New Plastic +2 210 40 & 17			

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## STATE OF TEXAS WELL REPORT for Tracking #199176

Owner: **Jim Madigan**

Owner Well #: **No Data**

Address: **20808 B Hwy 71  
Spicewood, TX 78669**

Grid #: **57-40-1**

Well Location: **1020 CR 414  
Spicewood, TX 78669**

Latitude: **30° 28' 06" N**

Longitude: **098° 06' 53" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/16/2009**

Drilling End Date: **7/16/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>165</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 103, 100, 20**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 1 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
103-145	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	8	White Limestone
8	21	Sand and Clay
21	40	Tan & White Limestone
40	72	Clay
72	85	Red Clay
85	95	Gravel
95	103	Red Clay & Sand
103	145	Gravel & H2O
145	165	Tan & Blue Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5" (5" OD)	New	PVC	+ 2' to 105' SDR17
4.5" (5" OD)	New	Slotted PVC	105' to 145' .035
4.5" (5" OD)	New	PVC	145' to 165' SDR17

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## STATE OF TEXAS WELL REPORT for Tracking #200198

Owner:	<b>Austin Golf Club- Irrigation</b>	Owner Well #:	<b>TestWell#24</b>
Address:	<b>25400 HWY 71 W Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>25400 HWY 71 W Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 46" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 45" W</b>
		Elevation:	<b>763 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **10/20/2009**      Drilling End Date: **10/20/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6.75</b>	<b>0</b>	<b>202</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Unknown**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **Unknown**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Service Inc**  
**P.O. Box 525**  
**Dripping Springs, TX 78620**

Driller Name: **Martin D Lingle** License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>topsoil</b>
<b>2</b>	<b>20</b>	<b>white limestone hard</b>
<b>20</b>	<b>70</b>	<b>grey limestone granite</b>
<b>70</b>	<b>100</b>	<b>clay shale grey</b>
<b>100</b>	<b>140</b>	<b>red clay red granite</b>
<b>140</b>	<b>200</b>	<b>granite gravel</b>
<b>200</b>	<b>202</b>	<b>black clay (smith wick)</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #200203

Owner:	<b>Austin Golf Club- Irrigation</b>	Owner Well #:	<b>TestWell#25</b>
Address:	<b>25400 HWY 71 W Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>25400 HWY 71 W Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 42" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 51" W</b>
		Elevation:	<b>764 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **10/20/2009**      Drilling End Date: **10/20/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6.75</b>	<b>0</b>	<b>245</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Unknown**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **Unknown**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services Inc**  
**P.O. Box 525**  
**Dripping Springs, TX 78620**

Driller Name: **Martin D Lingle** License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	3	topsoil
3	11	white limestone hard
11	15	red granite sandstone
15	20	white brown limestone
20	30	brown limestone
30	40	brown white limestone
40	70	grey limestone
70	80	grey shale limestone
80	109	brown shale grey limestone
109	205	red granite gravel
205	218	brown limestone
218	220	blue shale
220	245	red granite sandstone
245	250	black (smith wick)

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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## STATE OF TEXAS WELL REPORT for Tracking #202458

Owner:	<b>ENCINO HOMES</b>	Owner Well #:	<b>001</b>
Address:	<b>110 WINCHESTER DRIPPING SPRINGS, TX 78620</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>LOT 3 PALEFACE RANCH RD SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 27" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 43" W</b>
		Elevation:	<b>795 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/19/2009**      Drilling End Date: **11/19/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>6.75</b>	<b>12</b>	<b>190</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>10</b>	<b>8 CEMENT</b>
	<b>10</b>	<b>17</b>	<b>4 BENTONITE</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Surface Sleeve Installed**

Water Level:	<b>16 ft. below land surface on 2009-11-25</b>	Measurement Method:	<b>Unknown</b>
Packers:	<b>1 NEOPRENE 17Æ</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>70</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>15 GPM</b>



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING**  
**185 ANGEL FIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR** License Number: **54416**

Apprentice Name: **CESAR RAMOS** Apprentice Number: **3090**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>15</b>	<b>CALICHE</b>
<b>15</b>	<b>60</b>	<b>WHITE ROCK W/B 15 GPM TDS 400</b>
<b>60</b>	<b>100</b>	<b>BLUE SHALE</b>
<b>100</b>	<b>125</b>	<b>TAN CLAY</b>
<b>125</b>	<b>140</b>	<b>BLACK ROCK</b>
<b>140</b>	<b>150</b>	<b>TAN CLAY</b>
<b>150</b>	<b>180</b>	<b>RED ROCK</b>
<b>180</b>	<b>190</b>	<b>BLUE SHALE</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0 20</b>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>20 60 .050</b>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>60 80</b>

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## STATE OF TEXAS WELL REPORT for Tracking #202492

Owner: **ENCINO HOMES** Owner Well #: **002**  
Address: **110 WINCHESTER** Grid #: **57-40-4**  
**DRIPPING SPRINGS, TX 78620**  
Well Location: **LOT 3 PALEFACE RANCH RD.** Latitude: **30° 26' 29" N**  
**SPICEWOOD, TX 78669** Longitude: **098° 05' 53" W**  
Well County: **Travis** Elevation: **796 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #125869**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/19/2009** Drilling End Date: **11/19/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>6.75</b>	<b>12</b>	<b>230</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Distance to Property Line (ft.): **No Data**

Sealed By: **CESAR RAMOS**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted** **No Test Data Specified**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>0 1 TOPSOIL</b>		
	<b>1 3 CEMENT 2</b>		

**3 230 CUTTINGS**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING**  
**185 ANGEL FIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR**License Number: **54416**Apprentice Name: **CESAR RAMOS**Apprentice Number: **3090**Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>15</b>	<b>CALICHE</b>
<b>15</b>	<b>25</b>	<b>WHITE ROCK</b>
<b>25</b>	<b>75</b>	<b>GRAY LIMESTONE</b>
<b>75</b>	<b>105</b>	<b>GRAY CLAY</b>
<b>105</b>	<b>120</b>	<b>TAN CLAY</b>
<b>120</b>	<b>150</b>	<b>RED CLAY</b>
<b>150</b>	<b>157</b>	<b>RED ROCK</b>
<b>157</b>	<b>165</b>	<b>TAN CLAY</b>
<b>165</b>	<b>200</b>	<b>BLUE CLAY</b>
<b>200</b>	<b>210</b>	<b>GRAVEL</b>
<b>210</b>	<b>230</b>	<b>BLUE CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #207661

Owner:	<b>Joe Wyatt</b>	Owner Well #:	<b>WLB-01</b>
Address:	<b>2917 Marina Shores Drive Spicewood, TX 78669</b>	Grid #:	<b>57-40-1</b>
Well Location:	<b>Marina Shores Drive Spicewood, TX 78669</b>	Latitude:	<b>30° 28' 15" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 45" W</b>
		Elevation:	<b>758 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Monitor</b>

Drilling Start Date: **12/16/2009**      Drilling End Date: **12/16/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>4</b>	<b>0</b>	<b>30</b>

Drilling Method: **Bored**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>5</b>	<b>30</b>	<b>Gravel</b>	<b>20/40 Sand</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>2</b>	<b>1 Ready Mix</b>
	<b>2</b>	<b>5</b>	<b>1 Bentonite</b>
	<b>5</b>	<b>30</b>	<b>3 Bags Sand</b>

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**

Water Level: **22.2 ft. below land surface on 2009-12-16**      Measurement Method: **Unknown**

Packers: **None**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Holt Engineering, Inc.**  
**2220 Barton Skyway**  
**Austin, TX 78704**

Driller Name: **John Webb**

License Number: **3023**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>From (ft)</i>	<i>To (ft)</i>	<i>Description</i>
<b>0</b>	<b>to .1</b>	<b>Brick Pavers</b>
<b>.1</b>	<b>to .3</b>	<b>Sand Base</b>
<b>.3</b>	<b>to 5</b>	<b>Fill-Tan &amp; light brown</b>
<b>5</b>	<b>to 23.3</b>	<b>Limestone, tan &amp; light brown</b>
<b>23.3</b>	<b>to 30</b>	<b>Clay, greenish tan</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>2"</b>	<b>New</b>	<b>Plastic</b>	<b>0 Ft. to 10 Ft.</b>
<b>2"</b>	<b>New</b>	<b>Slotted</b>	<b>10 Ft. to 30 Ft.</b>

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## STATE OF TEXAS WELL REPORT for Tracking #207669

Owner:	<b>Joe Wyatt</b>	Owner Well #:	<b>WLB-02</b>
Address:	<b>2917 Marina Shores Drive Spicewood, TX 78669</b>	Grid #:	<b>57-40-1</b>
Well Location:	<b>Marina Shores Drive Spicewood, TX 78669</b>	Latitude:	<b>30° 28' 14" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 44" W</b>
		Elevation:	<b>758 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Monitor</b>

Drilling Start Date: **12/16/2009**      Drilling End Date: **12/16/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>4</b>	<b>0</b>	<b>35</b>

Drilling Method: **Bored**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>3</b>	<b>35</b>	<b>Gravel</b>	<b>20/40 Sand</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>2</b>	<b>1 Ready Mix</b>
	<b>2</b>	<b>3</b>	<b>1 Bentonite</b>
	<b>3</b>	<b>35</b>	<b>3.5 Bags Sand</b>

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**

Water Level: **34.7 ft. below land surface on 2009-12-18**      Measurement Method: **Unknown**

Packers: **None**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Holt Engineering, Inc.**  
**2220 Barton Skyway**  
**Austin, TX 78704**

Driller Name: **John Webb**

License Number: **3023**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>0.1</b>	<b>Asphalt</b>
<b>0.1</b>	<b>0.9</b>	<b>Base Tan</b>
<b>0.9</b>	<b>1.4</b>	<b>Fill Light brown</b>
<b>1.4</b>	<b>2</b>	<b>Clayey silt Tan</b>
<b>2</b>	<b>28.5</b>	<b>Limestone Tan</b>
<b>28.5</b>	<b>35</b>	<b>Clayshale Gray</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>2"</b>	<b>New</b>	<b>Plastic</b>	<b>0 Ft. to 10 Ft.</b>
<b>2"</b>	<b>New</b>	<b>Slotted</b>	<b>10 Ft. to 35 Ft.</b>

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## STATE OF TEXAS WELL REPORT for Tracking #217963

Owner:	<b>SHERRY ELLENBOGEN</b>	Owner Well #:	<b>001</b>
Address:	<b>1327 LAKESHORE DR. SPICEWOOD, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>1327 LAKESHORE DR. SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 44" N</b>
		Longitude:	<b>098° 04' 59" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>716 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/14/2010**      Drilling End Date: **4/14/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>8</b>	<b>12</b>	<b>15</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>2</b>	<b>3 CEMENT</b>
	<b>2</b>	<b>85</b>	<b>9 CEMENT</b>

Seal Method: **PRESSURE CEMENTED**

Distance to Property Line (ft.): **150**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **80**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **STEEL TAPE**

Surface Completion: **Surface Sleeve Installed**

Water Level: **31 ft. below land surface on 2010-04-15**      Measurement Method: **Unknown**

Packers: **1 NEOPRENE 85**  
**1 NEOPRENE 87**

Type of Pump: **Submersible**      Pump Depth (ft.): **90**

Well Tests: **Jetted**      Yield: **150 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING**  
**185 ANGLE FIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **BOBBY ROBERTS** License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>TOPSOIL</b>
<b>2</b>	<b>10</b>	<b>FILL</b>
<b>10</b>	<b>45</b>	<b>BROWN CLAY</b>
<b>45</b>	<b>60</b>	<b>BROWN ROCK</b>
<b>60</b>	<b>70</b>	<b>BROWN SHALE</b>
<b>70</b>	<b>80</b>	<b>BROWN ROCK</b>
<b>80</b>	<b>85</b>	<b>BROWN CLAY</b>
<b>85</b>	<b>105</b>	<b>BROWN ROCK W/B 150 TDS 500</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0 TO 85</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG</b>	<b>85 TO 105 .050</b>

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## STATE OF TEXAS WELL REPORT for Tracking #219164

Owner:	<b>Billy Meyer</b>	Owner Well #:	<b>1</b>
Address:	<b>P O Box 8157 Llano, TX 76714</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>3220 Fall Creek Estates Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 13" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 44" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/18/2010**      Drilling End Date: **5/18/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>225</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 140, 135, 100, 20**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 2 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>101-210</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>38</b>	<b>Tan Limestone</b>
<b>38</b>	<b>57</b>	<b>Gray &amp; Tan Limestone</b>
<b>57</b>	<b>101</b>	<b>Gray Limestone w/Clay</b>
<b>101</b>	<b>141</b>	<b>Red Sandstone</b>
<b>141</b>	<b>210</b>	<b>Gravel</b>
<b>210</b>	<b>225</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC + 2' to 150'</b>	<b>SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC 150' to 210'</b>	<b>.035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC 210' to 225'</b>	<b>SDR17</b>

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## STATE OF TEXAS WELL REPORT for Tracking #221177

Owner:	Pat Di Iorio	Owner Well #:	1
Address:	3525 Katy Hockley Rd Katy, TX 77493	Grid #:	57-40-4
Well Location:	25215 Lakeview Dr Spicewood, TX 78669	Latitude:	30° 25' 51" N
		Longitude:	098° 05' 22" W
Well County:	Travis	Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 6/2/2010

Drilling End Date: 6/2/2010

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8	0	125

Drilling Method: Air Rotary; Mud (Hydraulic) Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	84	9 of Portland

Seal Method: Pressure Tremmie

Distance to Property Line (ft.): 6

Sealed By: Driller

Distance to Septic Field or other  
concentrated contamination (ft.): 50+

Distance to Septic Tank (ft.): No Data

Method of Verification: Landowner

Surface Completion: Surface Sleeve Installed

Water Level: No Data

Packers: Burlap/Neoprene 84, 80

Type of Pump: No Data

Well Tests: Estimated Yield: 25 GPM

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>5</b>	<b>Gravel</b>
<b>5</b>	<b>17</b>	<b>Sand</b>
<b>17</b>	<b>20</b>	<b>Gravel</b>
<b>20</b>	<b>48</b>	<b>Red Sandy Clay</b>
<b>48</b>	<b>55</b>	<b>Red Sand</b>
<b>55</b>	<b>66</b>	<b>Red Sandstone &amp; Clay</b>
<b>66</b>	<b>67</b>	<b>Turquoise Clay</b>
<b>67</b>	<b>71</b>	<b>Red Clay</b>
<b>71</b>	<b>82</b>	<b>Tan Limestone</b>
<b>82</b>	<b>84</b>	<b>Tan Clay</b>
<b>84</b>	<b>105</b>	<b>Gravel &amp; H2O</b>
<b>105</b>	<b>115</b>	<b>Tan Clay</b>
<b>115</b>	<b>125</b>	<b>Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC + 2' to 85'</b>	<b>SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC 85' to 105'</b>	<b>.035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC 105' to 125'</b>	<b>SDR17</b>

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## STATE OF TEXAS WELL REPORT for Tracking #221198

Owner: **Charles Meek**

Owner Well #: **No Data**

Address: **2809M Fall Creek Road  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **2809M Fall Creek Road  
Spicewood, TX 78669**

Latitude: **30° 24' 02" N**

Longitude: **098° 07' 11" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **1/13/2010**

Drilling End Date: **1/13/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>265</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>6</b>

Seal Method: **hand poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **300**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **tape measure**

Surface Completion: **Surface Sleeve Installed**

Water Level: **70 ft. below land surface on 2010-01-13**

Measurement Method: **Unknown**

Packers: **shale trap 180',20'**

Type of Pump: **Submersible none**

Pump Depth (ft.): **200**

Well Tests: **Pump** **Yield: 0 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Tom Arnold Drilling**  
**2750 South A. W. Grimes Blvd**  
**Round Rock, TX 78664**

Driller Name: **Tommy Arnold**

License Number: **2096**

Comments: **^NK**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>top soil</b>
<b>1</b>	<b>3</b>	<b>red clay</b>
<b>3</b>	<b>12</b>	<b>yellow sand</b>
<b>12</b>	<b>33</b>	<b>yellow sandstone</b>
<b>33</b>	<b>36</b>	<b>red shale</b>
<b>36</b>	<b>39</b>	<b>yellow sandstone</b>
<b>39</b>	<b>42</b>	<b>red clay</b>
<b>42</b>	<b>67</b>	<b>yellow sandstone</b>
<b>67</b>	<b>84</b>	<b>gray sandstone</b>
<b>84</b>	<b>109</b>	<b>blue shale</b>
<b>109</b>	<b>117</b>	<b>red clay</b>
<b>117</b>	<b>140</b>	<b>blue clay</b>
<b>140</b>	<b>147</b>	<b>red clay</b>
<b>147</b>	<b>151</b>	<b>purple shale</b>
<b>151</b>	<b>170</b>	<b>red shale</b>
<b>170</b>	<b>180</b>	<b>red sandstone</b>
<b>180</b>	<b>220</b>	<b>cemented gravel</b>
<b>220</b>	<b>235</b>	<b>white limestone</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>6</b>	<b>New</b>	<b>Plastic</b>	<b>0-20</b>
<b>4.5</b>	<b>New</b>	<b>Plastic</b>	<b>0-265</b>
<b>4.5</b>	<b>Perf.</b>		<b>205-235</b>

235	265	blue shale
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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #222768

Owner:	<b>MIKE TYSON</b>	Owner Well #:	<b>No Data</b>
Address:	<b>2704 FALL CREEK ESTATES DR. SPICEWOOD, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>2704 FALL CREEK ESTATES DR. SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 24' 35" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 57" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/26/2010**      Drilling End Date: **4/26/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>30</b>
	<b>6.5</b>	<b>30</b>	<b>240</b>

Drilling Method: **Air Rotary**

Borehole Completion: **CASED**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>40</b>	<b>10 CEMENT</b>
	<b>0</b>	<b>40</b>	<b>6 VOLCLAY</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **WELL DRILLED  
FIRST**

Surface Completion: **Surface Sleeve Installed**

Water Level: **187 ft. below land surface on 2010-04-26**      Measurement Method: **Unknown**

Packers: **5 BURLAP,PVC,RUBBER 40',100',120',160',200'**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 2-3 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
30	TRINITY

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTEX PUMP & SUPPLY, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **AARON GLASS**

License Number: **4227**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-1		TOP SOIL
1-10		TAN LIMESTONE/CALICHE
10-30		GRAY/TAN LIMESTONE
30-50		GRAY LIMESTONE
50-60		GRAY LIMESTONE W/CLAY
60-70		GRAY LIMESTONE
70-95		HAMMETT CLAY
95-120		RED CLAY
120-130		RED SANDSTONE
130-160		SAND & GRAVEL W/CLAY
		STRIPS
160-210		SAND & GRAVEL
210-220		SAND W/CLAY STRIPS
220-240		BLUE/YELLOW CLAY

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	OD	N SDR17 PVC	+3 TO 240
5"	OD	N SDR17 PVC SLOT	160 TO 200 .032

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## STATE OF TEXAS WELL REPORT for Tracking #222818

Owner: **David & Sue Williams**

Owner Well #: **3**

Address: **25211 W. Hwy 71  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **25211 W. Hwy 71  
Spicewood, TX 78669**

Latitude: **30° 24' 10" N**

Longitude: **098° 06' 12" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/18/2010**

Drilling End Date: **6/21/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>120</b>
	<b>8</b>	<b>120</b>	<b>265</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>120</b>	<b>49</b>

Seal Method: **Tremie**

Distance to Property Line (ft.): **500+**

Sealed By: **ADC**

Distance to Septic Field or other  
concentrated contamination (ft.): **200+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **165 ft. below land surface on 2010-07-01** Measurement Method: **Unknown**

Packers: **neophrene 120'**

Type of Pump: **Submersible**

Pump Depth (ft.): **240**

Well Tests: **Estimated** Yield: **12 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>140'-227'</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Associated Drilling Co.**

**P.O. Box 1060  
Manchaca, TX 78652**

Driller Name: **Byron Benoit**

License Number: **1955**

Apprentice Name: **Frank Barnard**

Apprentice Number: **56366**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>47</b>	<b>tan caliche</b>
<b>47</b>	<b>140</b>	<b>gray limestone</b>
<b>140</b>	<b>227</b>	<b>broken red sandstone</b>
<b>227</b>	<b>265</b>	<b>shale</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>4.5"</b>	<b>new</b>	<b>plastic</b>	<b>-2' to 265' sdr17</b>
			<b>slotted 140'-227'</b>

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## STATE OF TEXAS WELL REPORT for Tracking #223672

Owner:	<b>MIKE LANGSTON</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3225 FALL CREEK ESTATES DRIVE SPICEWOOD, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>3225 FALL CREEK ESTATES DRIVE SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 24' 21" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 38" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/7/2010**

Drilling End Date: **5/7/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>30</b>
	<b>6.5</b>	<b>30</b>	<b>225</b>

Drilling Method: **Air Hammer**

Borehole Completion: **CASED**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>30</b>	<b>8 CEMENT</b>
	<b>0</b>	<b>30</b>	<b>3 VOLCLAY</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **WELL DRILLED  
FIRST**

Surface Completion: **Surface Sleeve Installed**

Water Level: **130 ft. below land surface on 2010-05-07** Measurement Method: **Unknown**

Packers: **4 BURLAP, PVC, RUBBER 30',120',130',160'**

Type of Pump: **Submersible**

Well Tests: **Jetted** Yield: **2 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
40	TRINIT

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTEX PUMP & SUPPLY, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **AARON GLASS**

License Number: **4227**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-1		TOP SOIL
1-10		RED CLAY
10-20		RED/TAN LIMESTONE
20-55		WHITE/TAN LIMESTONE
55-60		TAN LIMESTONE
60-70		GRAY LIMESTONE
70-80		GRAY W/TAN LIMESTONE
80-120		HAMMET CLAY
120-130		HAMMET CLAY W/RED CLAY
130-150		GRAVEL
150-160		RED LIMESTONE W/CLAY
		STRIPS
160-220		SAND & GRAVEL
220-225		BLUE CLAY

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	OD	N SDR17 PVC	+3 TO 225
5"	OD	N SDR17 PVC SLOT	140 TO 220 .032

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## STATE OF TEXAS WELL REPORT for Tracking #224060

Owner:	<b>CHRIS COKINS</b>	Owner Well #:	<b>No Data</b>
Address:	<b>325 RR 620 S. AUSTIN, TX 78734</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>1211 LAKESHORE DRIVE SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 29" N</b>
		Longitude:	<b>098° 04' 39" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>720 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **7/20/2010**      Drilling End Date: **7/20/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>12</b>
	<b>8</b>	<b>12</b>	<b>150</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>5</b>	<b>3 CEMENT</b>
	<b>5</b>	<b>100</b>	<b>13 BENTONITE</b>

Seal Method: **PRESSURE CEMENTED**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **NOT YET INSTALLED**

Surface Completion: **Pitless Adapter Used**

Water Level: **54 ft. below land surface on 2010-07-20**      Measurement Method: **Unknown**

Packers: **NEOPRENE 110  
NEOPRENE 115**

Type of Pump: **No Data**

Well Tests: **Jetted**      Yield: **100 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BEE CAVE DRILLING INC**  
**185 ANGEL FIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **DUKE, ALONZO W III** License Number: **58544**

Comments: **Amended 8/26/10 Ref.# 8360**

**Report Amended on by Request #8360**

**Report Amended on by Request #8361**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-3		TOPSOIL
3-49		CALICHE
49-61		BLUE SHALE
61- 150		RED SANDSTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0-120
4.5	NEW	PERF	120-150 .050

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #227938

Owner:	<b>Sybil Faught</b>	Owner Well #:	<b>Faught #4</b>
Address:	<b>4703 Balcones Woods Dr Austin, TX 78759</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>25209 Lakeview Dr. Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 46" N</b>
		Longitude:	<b>098° 05' 21" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>732 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/3/2010**

Drilling End Date: **8/10/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>160</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>60</b>	<b>140</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>60</b>	<b>1 hl plg 12ptld</b>

Seal Method: **Pressure Grout**

Distance to Property Line (ft.): **22**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **55 ft. below land surface on 2010-08-10** Measurement Method: **Unknown**

Packers: **Gravel Packed**

Type of Pump: **Submersible** Pump Depth (ft.): **130**

Well Tests: **Pump** Yield: **7.5 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
40' 140	Good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**PO Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top soil
1	2	White Limestone hard
2	3	Yellow limestone
3	7	White Limestone hard
7	30	Brown limestone clay
30	35	Brown tan limestone hard
35	37	Gray shale
37	42	Brown Limestone
42	45	Gray Limestone
45	55	White limestone hard
55	58	Red sandstone
58	60	Red sandstone clay
60	100	Red sandstone
100	140	White limestone hard
140	160	Brown shale clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	N	PVC-SDR 17IB	+1' - 80'
4.5	N	PVC SDR 17 slotted	032 80' - 140'

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Austin, TX 78711  
(512) 334-5540**



## STATE OF TEXAS WELL REPORT for Tracking #227962

Owner: **Sybil Faught** Owner Well #: **Faught #3 test**  
Address: **4703 Balcones Woods Dr.  
Austin, TX 78759** Grid #: **57-40-4**  
Well Location: **25209 Lakeview Dr  
Spicewood, TX 78669** Latitude: **30° 25' 46" N**  
Longitude: **098° 05' 21" W**  
Well County: **Travis** Elevation: **736 ft. above sea level**

**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #128251**

Type of Work: **New Well**

Proposed Use: **Test Well**

Drilling Start Date: **7/30/2010** Drilling End Date: **7/30/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Plug**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>6 portland</b>
	<b>20</b>	<b>200</b>	<b>PlugDryCuttings</b>

Seal Method: **Pressure grout**

Distance to Property Line (ft.): **22**

Sealed By: **Whisenant & Lyle Water  
Services**

Distance to Septic Field or other  
concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Unknown** Yield: **0 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**PO Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	topsoil
1	3	white limestone hard
3	5	gray limestone
5	15	white gray limestone
15	17	red clay
17	19	brown clay
19	25	red clay sandstone
25	40	white-red sandstone hard
40	47	brown limestone
47	112	red sandstone red clay
112	137	white limestone hard
137	200	brown clay shale

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
Plug hole - Dry - Pulled back with dry cuttings same day			

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #228772

Owner: **Z-Lab, Inc.**

Owner Well #: **No Data**

Address: **1223 Paleface Ranch  
Spicewood, TX 78669**

Grid #: **57-40-4**

Well Location: **1223 Paleface Ranch  
Spicewood, TX 78669**

Latitude: **30° 25' 30" N**

Longitude: **098° 06' 30" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/28/2010**

Drilling End Date: **7/28/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.62</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>215</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>3</b>	<b>0.5 cement</b>
	<b>3</b>	<b>20</b>	<b>2 bentonite</b>

Seal Method: **tremi pipe pressure  
grouting**

Distance to Property Line (ft.): **80**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **n/a**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **estimated**

Surface Completion: **Pitless Adapter Used**

Water Level: **16.5 ft. below land surface on 2010-07-28** Measurement Method: **Unknown**

Packers: **poor boy 22'**

Type of Pump: **No Data**

Well Tests: **Jetted** Yield: **22 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>22, 32, 45, 175, 189</b>	<b>400 TDS</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **L & L Drilling Co.**  
**P.O. Box 217**  
**Hye, TX 78635**

Driller Name: **Gregory A. Smith**

License Number: **1595**

Apprentice Name: **Lynette Smith**

Apprentice Number: **56980**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>2</b>	<b>black topsoil</b>
<b>2</b>	<b>7</b>	<b>white limestone &amp; caliche</b>
<b>7</b>	<b>56</b>	<b>white &amp; light brown limestone</b>
<b>22</b>	<b>24</b>	<b>water 2 gpm</b>
<b>32</b>	<b>45</b>	<b>water 8 gpm</b>
<b>45</b>	<b>56</b>	<b>water 10 gpm</b>
<b>56</b>	<b>73</b>	<b>gray limestone</b>
<b>73</b>	<b>111</b>	<b>gray clay</b>
<b>111</b>	<b>116</b>	<b>brown clay</b>
<b>116</b>	<b>139</b>	<b>red clay &amp; white limestone</b>
<b>139</b>	<b>142</b>	<b>gravel</b>
<b>142</b>	<b>172</b>	<b>gray &amp; red clay</b>
<b>172</b>	<b>202</b>	<b>red, yellow, brown &amp; white limestone</b>
<b>175</b>	<b>176</b>	<b>water 1 gpm</b>
<b>189</b>	<b>194</b>	<b>water 1 gpm</b>
<b>202</b>	<b>210</b>	<b>blue shale</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>5</b>	<b>new</b>	<b>plastic solid</b>	<b>0 - 22 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic slotted</b>	<b>22 - 55 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic solid</b>	<b>55 - 175 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic slotted</b>	<b>175 - 195 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic solid</b>	<b>195 - 215 0.265</b>

210	215	smithwick shale
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## STATE OF TEXAS WELL REPORT for Tracking #228776

Owner: **Z-Lab, Inc.**

Owner Well #: **No Data**

Address: **1223 Paleface Ranch  
Spicewood, TX 78669**

Grid #: **57-40-4**

Well Location: **1223 Paleface Ranch  
Spicewood, TX 78669**

Latitude: **30° 25' 14" N**

Longitude: **098° 06' 21" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/30/2010**

Drilling End Date: **7/30/2010**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.62</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>201</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>3</b>	<b>0.5 cement</b>
	<b>3</b>	<b>20</b>	<b>2 bentonite</b>

Seal Method: **tremi pipe pressure  
grouting**

Distance to Property Line (ft.): **90**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **n/a**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **estimated**

Surface Completion: **Pitless Adapter Used**

Water Level: **133.5 ft. below land surface on 2010-07-30**

Measurement Method: **Unknown**

Packers: **poor boy 20'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 4 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>152, 157</b>	<b>500 TDS, 6 grains hardness</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **L & L Drilling Co.**

**P.O. Box 217  
Hye, TX 78635**

Driller Name: **Gregory A. Smith**

License Number: **1595**

Apprentice Name: **Lynette Smith**

Apprentice Number: **56980**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>black topsoil</b>
<b>2</b>	<b>5</b>	<b>brown limestone</b>
<b>5</b>	<b>17</b>	<b>white limestone &amp; caliche</b>
<b>17</b>	<b>36</b>	<b>white &amp; brown limestone</b>
<b>36</b>	<b>48</b>	<b>gray limestone</b>
<b>48</b>	<b>96</b>	<b>gray clay</b>
<b>96</b>	<b>139</b>	<b>red clay</b>
<b>139</b>	<b>175</b>	<b>white limestone &amp; red &amp; gray</b>
<b>152</b>	<b>153</b>	<b>water 2 gpm</b>
<b>157</b>	<b>158</b>	<b>water 2 gpm</b>
<b>175</b>	<b>201</b>	<b>smithwick shale</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>5</b>	<b>new</b>	<b>plastic solid</b>	<b>0 - 135 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic slotted</b>	<b>135 - 175 0.265</b>
<b>5</b>	<b>new</b>	<b>plastic solid</b>	<b>175 - 201 0.265</b>



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## STATE OF TEXAS WELL REPORT for Tracking #250203

Owner: **Robert Shebesta**  
Address: **650 CR 450**  
**Burnet, TX 78611**

Well Location: **650 CR 420**  
**Burnet, TX 78611**

Well County: **Burnet**

Owner Well #: **1**  
Grid #: **57-40-1**  
Latitude: **30° 27' 53" N**  
Longitude: **098° 06' 52" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **3/15/2011**

Drilling End Date: **3/15/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>165</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 85, 80, 25, 20**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
108-150	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Topsoil
1	4	Red Clay
4	42	Tan, Gray Limestone
42	75	Gray Clay
75	108	Red Sandstone
108	110	Gravel
110	118	Red Sandstone
118	150	Gravel & H2O
150	165	Tan Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5" (5" OD)	New	PVC + 2' to 90'	SDR17
4.5" (5" OD)	New	Slotted PVC 90' to 150'	.035
4.5" (5" OD)	New	PVC 150' to 165'	SDR17

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## STATE OF TEXAS WELL REPORT for Tracking #252679

Owner:	<b>Lee Stone</b>	Owner Well #:	<b>#1</b>
Address:	<b>1037 Lakeshore Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>1037 Lakeshore Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 21" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 42" W</b>
		Elevation:	<b>722 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **3/4/2011**

Drilling End Date: **3/4/2011**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>10</b>	<b>0</b>	<b>12</b>
	<b>8</b>	<b>12</b>	<b>100</b>
	<b>6.75</b>	<b>100</b>	<b>150</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>12</b>	<b>6 / Concrete</b>
	<b>12</b>	<b>100</b>	<b>20 / Bentonite</b>

Seal Method: **Trimmie pipe - Slurry and  
poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **N/A**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape - wheel**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **Neoprene 100' and 105'**

Type of Pump: **Submersible**

Pump Depth (ft.): **140**

Well Tests: **Jetted** **Yield: 50 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
100	Fresh

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling**  
**185 Angelfire Drive**  
**Dripping Springs, TX 78620**

Driller Name: **Charles Coffindaffer #58658** License Number: **58658**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0	1	Topsoil
1	3	Tan limestone
3	7	Red caliche
7	25	Grey limestone
25	70	Grey clay
70	100	Red clay
100	150	Trinty-1st H2O 50 gpm

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0 to 110'
4.5	New	Screen	Mfg. 110' to 150' .050

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## STATE OF TEXAS WELL REPORT for Tracking #253127

Owner: **Brandi Severence**

Owner Well #: **No Data**

Address: **25709 Paleface Shore Dr.  
Spicewood, TX 78669**

Grid #: **57-40-4**

Well Location: **25709 Paleface Shore Dr.  
Spicewood, TX 78669**

Latitude: **30° 26' 08" N**

Longitude: **098° 05' 31" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **4/27/2011**

Drilling End Date: **4/27/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>217</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 155,150,140,20**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 30 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>157-195</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>37</b>	<b>White Limestone</b>
<b>37</b>	<b>45</b>	<b>Tan Limestone</b>
<b>45</b>	<b>55</b>	<b>Gray Limestone</b>
<b>55</b>	<b>99</b>	<b>Blue Clay</b>
<b>99</b>	<b>122</b>	<b>Red Clay</b>
<b>122</b>	<b>134</b>	<b>Sandstone &amp; Red Clay</b>
<b>134</b>	<b>157</b>	<b>White Limestone &amp; Clay</b>
<b>157</b>	<b>178</b>	<b>Gravel &amp; H2O</b>
<b>178</b>	<b>195</b>	<b>Gravel (Big) &amp; H2O</b>
<b>195</b>	<b>217</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+ 2' to 157' SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>157' to 197' .035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>197' to 217' SDR17</b>

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## STATE OF TEXAS WELL REPORT for Tracking #259536

Owner:	<b>Rucker Ashmore</b>	Owner Well #:	<b>#1</b>
Address:	<b>25242 Paleface Lake Drive Spicewood, TX 78669</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>25242 Paleface Lake Drive Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 22" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 39" W</b>
		Elevation:	<b>765 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **5/18/2011**      Drilling End Date: **5/19/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>8</b>	<b>10</b>	<b>350</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Filter Packed; Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>350</b>	<b>Gravel</b>	<b>3/8"</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>3</b>	<b>2 / Concrete</b>
	<b>3</b>	<b>100</b>	<b>16 / Portland</b>
	<b>100</b>	<b>103</b>	<b>1 / Bentonite</b>

Seal Method: **Trimmie pipe - Slurry and poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **N/A**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape - wheel**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **N/A**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 2 GPM**

Plug Information:

Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
N/A		

Water Quality:

Strata Depth (ft.)	Water Type
No Data	Fresh

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling**  
**185 Angelfire Drive**  
**Dripping Springs, TX 78620**

Driller Name: **Charles Coffindaffer #58658** License Number: **58658**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Topsoil
2	15	White limestone
15	45	Grey limestone
45	100	Grey clay
100	105	Red clay
105	200	Red rock
200	300	Tan shale
300	350	Black rock

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0 to 150'
4.5	New	Screen	Mfg. 150' to 350' .050

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #259543

Owner:	<b>Rucker Ashmore</b>	Owner Well #:	<b>#2</b>
Address:	<b>25242 Paleface Lake Drive Spicewood, TX 78669</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>25242 Paleface Lake Drive Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 22" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 39" W</b>
		Elevation:	<b>765 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **5/20/2011**      Drilling End Date: **5/23/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>8</b>	<b>10</b>	<b>350</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Filter Packed; Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>350</b>	<b>Gravel</b>	<b>3/8"</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>3</b>	<b>2 / Concrete</b>
	<b>3</b>	<b>100</b>	<b>16 / Portland</b>
	<b>100</b>	<b>103</b>	<b>1 / Bentonite</b>

Seal Method: **Trimmie pipe - Slurry and poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **N/A**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape - wheel**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **N/A**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 3 GPM**

Plug Information:

Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
N/A		

Water Quality:

Strata Depth (ft.)	Water Type
No Data	Fresh

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data:

The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information:

**Bee Cave Drilling**  
**185 Angelfire Drive**  
**Dripping Springs, TX 78620**

Driller Name:

**Charles Coffindaffer #58658**

License Number:

**58658**

Comments:

**No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Topsoil
2	15	White limestone
15	45	Grey limestone
45	100	Grey clay
100	105	Red clay
105	200	Red rock
200	300	Tan shale
300	350	Black rock

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0 to 150'
4.5	New	Screen	Mfg. 150' to 350' .050

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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #261764

Owner:	<b>Rucker Ashmore</b>	Owner Well #:	<b>#3</b>
Address:	<b>25242 Paleface Lake Drive Spicewood, TX 78669</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>25242 Paleface Lake Drive Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 22" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 39" W</b>
		Elevation:	<b>765 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **6/2/2011**

Drilling End Date: **6/3/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>8</b>	<b>10</b>	<b>350</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Filter Packed; Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>350</b>	<b>Gravel</b>	<b>3/8 "</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>100</b>	<b>19 / Cement</b>

Seal Method: **Trimmie pipe - Slurry and poured**

Distance to Property Line (ft.): **10**

Sealed By: **Driller**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape - wheel**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **Submersible**

Pump Depth (ft.): **340**

Well Tests: **Jetted** **Yield: 5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Fresh</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling**  
**185 Angelfire Drive**  
**Dripping Springs, TX 78620**

Driller Name: **Charles Coffindaffer #58658** License Number: **58658**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>25</b>	<b>Tanish rock</b>
<b>25</b>	<b>75</b>	<b>Tan clay</b>
<b>75</b>	<b>300</b>	<b>Tanish rock</b>
<b>300</b>	<b>350</b>	<b>Greyish rock</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>New</b>	<b>Plastic</b>	<b>0 to 150'</b>
<b>4.5</b>	<b>New</b>	<b>Screen</b>	<b>, Mfg. 150' to 350' .050</b>

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## STATE OF TEXAS WELL REPORT for Tracking #261824

Owner:	<b>Steve Cook</b>	Owner Well #:	<b>#1</b>
Address:	<b>12000 Starcrest Drive Ste. 107 San Antonio, TX 78247</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>North Paleface Ranch Road Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 01" N</b>
		Longitude:	<b>098° 06' 15" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>823 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **6/22/2011**      Drilling End Date: **6/23/2011**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>10</b>	<b>0</b>	<b>10</b>
	<b>6.75</b>	<b>10</b>	<b>250</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>1</b>	<b>100</b>	<b>21 / Cement</b>

Seal Method: **Trimmie pipe - Slurry and poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape - wheel**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **Neoprene 100'  
Neoprene 130' and 135'**

Type of Pump: **Submersible**

Well Tests: **Jetted                      Yield: 10 GPM**

Plug Information:	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>N/A</b>		

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Fresh</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling**  
**185 Angelfire Drive**  
**Dripping Springs, TX 78620**

Driller Name: **Charles Coffindaffer #58658** License Number: **58658**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>Topsoil</b>
<b>3</b>	<b>10</b>	<b>Tan limestone</b>
<b>10</b>	<b>55</b>	<b>Red rock</b>
<b>55</b>	<b>65</b>	<b>White sandstone</b>
<b>65</b>	<b>75</b>	<b>Brown / tan limestone</b>
<b>75</b>	<b>85</b>	<b>Grey rock</b>
<b>85</b>	<b>100</b>	<b>Grey clay</b>
<b>100</b>	<b>105</b>	<b>Black rock</b>
<b>105</b>	<b>120</b>	<b>Grey clay</b>
<b>120</b>	<b>125</b>	<b>Red clay</b>
<b>125</b>	<b>140</b>	<b>Red rock</b>
<b>140</b>	<b>170</b>	<b>Red sandstone</b>
<b>170</b>	<b>250</b>	<b>Multi color rock</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>New</b>	<b>Plastic</b>	<b>0 to 210'</b>
<b>4.5</b>	<b>New</b>	<b>Screen</b>	<b>Mfg. 210' to 250'</b>

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## STATE OF TEXAS WELL REPORT for Tracking #261828

Owner:	<b>Steve Cook</b>	Owner Well #:	<b>#2</b>
Address:	<b>12000 Starcrest Drive Ste. 107 San Antonio, TX 78247</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>North Paleface Ranch Road Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 01" N</b>
		Longitude:	<b>098° 06' 15" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>823 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **6/23/2011**      Drilling End Date: **6/23/2011**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>10</b>	<b>0</b>	<b>10</b>
	<b>6.75</b>	<b>10</b>	<b>85</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>1</b>	<b>20</b>	<b>10 / Concrete</b>

Seal Method: **Unknown**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape - wheel**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **Neoprene 20'**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 10 GPM**

Plug Information:	Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>N/A</b>		

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Fresh</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling**  
**185 Angelfire Drive**  
**Dripping Springs, TX 78620**

Driller Name: **Charles Coffindaffer #58658** License Number: **58658**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>From (ft)</i>	<i>To (ft)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>Topsoil</b>
<b>3</b>	<b>10</b>	<b>Tan limestone</b>
<b>10</b>	<b>55</b>	<b>Red rock</b>
<b>55</b>	<b>65</b>	<b>White sandstone</b>
<b>65</b>	<b>75</b>	<b>Brown / tan limestone</b>
<b>75</b>	<b>85</b>	<b>Grey rock</b>
<b>85</b>		<b>Grey clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>New</b>	<b>Plastic</b>	<b>0 to 65'</b>
<b>4.5</b>	<b>New</b>	<b>Screen</b>	<b>Mfg. 65' to 85' .050</b>

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## STATE OF TEXAS WELL REPORT for Tracking #268320

Owner: **Austin Golf Club** Owner Well #: **TW#2**  
Address: **24900 Hwy 71 W** Grid #: **57-40-7**  
**Spicewood, TX 78669**  
Well Location: **24900 Hwy 71 W** Latitude: **30° 24' 45" N**  
**Spicewood, TX 78669** Longitude: **098° 06' 12" W**  
Well County: **Travis** Elevation: **822 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #133044**

Type of Work: **New Well**

Proposed Use: **Irrigation**

Drilling Start Date: **9/14/2011** Drilling End Date: **9/14/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6.25</b>	<b>0</b>	<b>230</b>

Drilling Method: **Air Hammer**

Borehole Completion:

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>230</b>	<b>4bnslcy6prtln</b>

Seal Method: **Unknown**

Distance to Property Line (ft.): **No Data**

Sealed By: **Unknown**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **0 ft. below land surface on No Data** Measurement Method: **Unknown**

Packers: **0**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>0-20 6 Portland</b>		
	<b>20-230 4 Benseal clay</b>		

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**PO Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>20</b>	<b>White Limestone Hard</b>
<b>20</b>	<b>30</b>	<b>Dark Gray limestone</b>
<b>30</b>	<b>60</b>	<b>Light gray limestone</b>
<b>60</b>	<b>90</b>	<b>Gray clay Shale</b>
<b>90</b>	<b>110</b>	<b>Gray brown clay</b>
<b>110</b>	<b>160</b>	<b>Red clay sandstone</b>
<b>160</b>	<b>220</b>	<b>Calcite</b>
<b>220</b>	<b>230</b>	<b>Brown Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>Plug Well</b>			

#### IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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## STATE OF TEXAS WELL REPORT for Tracking #268325

Owner: **Austin Golf Club** Owner Well #: **TW#3**  
Address: **24900 Hwy. 71 W** Grid #: **57-40-7**  
**Spicewood, TX 78669**  
Well Location: **24900 Hwy 71W** Latitude: **30° 24' 43" N**  
**Spicewood, TX 78669** Longitude: **098° 06' 16" W**  
Well County: **Travis** Elevation: **823 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #133045**

Type of Work: **New Well**

Proposed Use: **Irrigation**

Drilling Start Date: **9/14/2011** Drilling End Date: **9/14/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6.25</b>	<b>0</b>	<b>230</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Plug**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Portland cement</b>

Seal Method: **Pos. Displacement**

Distance to Property Line (ft.): **1000**

Sealed By: **Unknown**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>0-20 6 Portland cement</b>		
	<b>20-230 Backfill with/cuttings</b>		



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**PO Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>10</b>	<b>White Limestone hard</b>
<b>10</b>	<b>20</b>	<b>White brown limestone hard</b>
<b>20</b>	<b>30</b>	<b>White limestone hard</b>
<b>30</b>	<b>110</b>	<b>Brown gray limestone clay</b>
<b>110</b>	<b>160</b>	<b>Red clay sandstone</b>
<b>160</b>	<b>170</b>	<b>Brown limestone</b>
<b>170</b>	<b>175</b>	<b>Red Sandstone clay</b>
<b>175</b>	<b>230</b>	<b>Brown limestone</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>Plug</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #268472

Owner: **Austin Golf Club**

Owner Well #: **TW#8**

Address: **24900 Hwy 71 W  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **24900 Hwy 71 W  
Spicewood, TX 78669**

Latitude: **30° 24' 31" N**

Longitude: **098° 06' 01" W**

Well County: **Travis**

Elevation: **825 ft. above sea level**

**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #133055**

Type of Work: **New Well**

Proposed Use: **Irrigation**

Drilling Start Date: **9/14/2011**

Drilling End Date: **9/14/2011**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>6.25</b>	<b>0</b>	<b>260</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Plug**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>20</b>	<b>6Portland</b>
<b>20</b>	<b>260</b>	<b>Backfill cuttin</b>

Seal Method: **Pos. displacement**

Distance to Property Line (ft.): **1000+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **Plug**

Type of Pump: **Other - Not Specified**

Well Tests: **No Test Data Specified**

Plug Information:

<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>0-20 Portland 6 sacks</b>		
<b>20-260 Backfill w/cuttings</b>		

---

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**  
**PO Box 525**  
**Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>10</b>	<b>Brown limestone</b>
<b>10</b>	<b>20</b>	<b>White limestone hard</b>
<b>20</b>	<b>40</b>	<b>Red brown limestone</b>
<b>40</b>	<b>50</b>	<b>Tan limestone</b>
<b>50</b>	<b>60</b>	<b>White limestone hard</b>
<b>60</b>	<b>70</b>	<b>Brown sand limestone</b>
<b>70</b>	<b>145</b>	<b>Gray clay shale</b>
<b>145</b>	<b>210</b>	<b>Red sandstone clay</b>
<b>210</b>	<b>245</b>	<b>Gravel</b>
<b>245</b>	<b>260</b>	<b>Brown blue clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>Plug</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #270711

Owner:	<b>Carl Dixon</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3225 Fall Creek Estates Dr. Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>3225 Fall Creek Estates Dr. Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 21" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 38" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/20/2011**      Drilling End Date: **9/20/2011**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>9</b>	<b>0</b>	<b>25</b>
	<b>6.75</b>	<b>25</b>	<b>255</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>1</b>	<b>30</b>	<b>11</b>

Seal Method: **gravity poured**

Sealed By: **ADC**

Distance to Property Line (ft.): **55+**

Distance to Septic Field or other  
concentrated contamination (ft.): **150+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **tape**

Surface Completion: **Surface Sleeve Installed**

Water Level: **170 ft. below land surface on 2011-09-20**      Measurement Method: **Unknown**

Packers: **neopreen rubber and burlap 30 and 155**

Type of Pump: **Submersible**      Pump Depth (ft.): **220**

Well Tests: **Jetted**      Yield: **3-4 GPM**

	Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
Plug Information:	<b>n/a</b>		

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>165-215</b>	<b>trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Associated Drilling Inc.**  
**12928 Lowden Ln.**  
**Manchaca, TX 78652**

Driller Name: **James Benoit**

License Number: **4064**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>topsoil/bedrock</b>
<b>3</b>	<b>45</b>	<b>white limestone</b>
<b>45</b>	<b>80</b>	<b>gray lime</b>
<b>80</b>	<b>95</b>	<b>gray limestone</b>
<b>95</b>	<b>115</b>	<b>gray lime</b>
<b>115</b>	<b>140</b>	<b>gray shale</b>
<b>140</b>	<b>145</b>	<b>red clay</b>
<b>145</b>	<b>170</b>	<b>red sandstone</b>
<b>170</b>	<b>180</b>	<b>multi-color limestone</b>
<b>180</b>	<b>215</b>	<b>red sandstone</b>
<b>215</b>	<b>235</b>	<b>yellow limestone</b>
<b>235</b>	<b>255</b>	<b>gray sandstone</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>5 od.</b>	<b>new</b>	<b>sdr17 pvc</b>	<b>-2 to 180</b>
<b>5 od.</b>	<b>new</b>	<b>sdr17 pvc (.032) screen</b>	<b>180 to 220</b>
<b>5 od.</b>	<b>new</b>	<b>sdr17 pvc</b>	<b>220 to 255</b>

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## STATE OF TEXAS WELL REPORT for Tracking #272820

Owner:	<b>Bryan Haye</b>	Owner Well #:	<b>#1</b>
Address:	<b>501 Nomad Spicewood, TX 78669</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>501 Nomad Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 49" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 00" W</b>
		Elevation:	<b>712 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/30/2011**      Drilling End Date: **9/30/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>6.75</b>	<b>10</b>	<b>240</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>240</b>	<b>Gravel</b>	<b>.25</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>100</b>	<b>19 / Cement</b>

Seal Method: **Trimmie pipe - Slurry and poured**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape - wheel**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **Neoprene 100'**

Type of Pump: **Submersible**

Well Tests: **Jetted      Yield: 2 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>N/A</b>		



Water Quality:

Strata Depth (ft.)	Water Type
No Data	Fresh

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling**  
**185 Angelfire Drive**  
**Dripping Springs, TX 78620**

Driller Name: **Charles Coffindaffer #58658** License Number: **58658**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	3	Topsoil
3	7	White limestone
7	10	Tan caliche
10	20	Tan limestone
20	26	Multi color limestone
26	35	Grey limestone
35	60	Grey shale
60	65	Grey limestone
65	75	Grey shale
75	100	Red clay
100	140	Red sandstone
140	170	Multi color sandstone
170	200	Red clay
200	240	Brown clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0 to 120'
4.5	New	Screen	Mfg. 120' to 240' .050

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## STATE OF TEXAS WELL REPORT for Tracking #273395

Owner:	<b>Austin Golf Club</b>	Owner Well #:	<b>23</b>
Address:	<b>24900 Hwy 71 W. Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>24900 Hwy 71 W Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 36" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 11" W</b>
		Elevation:	<b>832 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **9/1/2011**

Drilling End Date: **10/26/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.875</b>	<b>0</b>	<b>230</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>60</b>	<b>15 ptld 1h1plg</b>

Seal Method: **Pos. Displacement**

Distance to Property Line (ft.): **1000+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **184 ft. below land surface on 2011-11-08** Measurement Method: **Unknown**

Packers: **6 Mil Poly 60**  
**6 Mil poly -Shale packer 160**

Type of Pump: **Submersible** Pump Depth (ft.): **220**

Well Tests: **Jetted** Yield: **10+ GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>160'/230'</b>	<b>Good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**PO Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>8</b>	<b>Topsoil</b>
<b>8</b>	<b>40</b>	<b>White limestone hard</b>
<b>40</b>	<b>45</b>	<b>White brown limestone hard</b>
<b>45</b>	<b>48</b>	<b>Brown limestone</b>
<b>48</b>	<b>100</b>	<b>Gray limestone/ gray shale</b>
<b>100</b>	<b>118</b>	<b>Gray clay shale</b>
<b>118</b>	<b>145</b>	<b>Red clay calcite</b>
<b>145</b>	<b>228</b>	<b>Conglomerate</b>
<b>228</b>	<b>230</b>	<b>Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>New</b>	<b>PVC-SDR 17IB +2/</b>	<b>160'</b>
<b>4.5</b>	<b>New</b>	<b>PVC-17 Slotted .035</b>	<b>160'/230'</b>

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## STATE OF TEXAS WELL REPORT for Tracking #274163

Owner:	<b>CASTLETOP RANCH</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3600 N.CAP.OF TX.HWY.BLDG.B AUSTIN, TX 78746</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>25800 COX CROSSINGS RD. SPICEWOOD, TX 78669</b>	Latitude:	<b>30° 26' 24" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 12" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **11/3/2011**      Drilling End Date: **11/3/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>40</b>
	<b>6</b>	<b>40</b>	<b>170</b>

Drilling Method: **Air Rotary**

Borehole Completion: **CASED**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>90</b>	<b>8 CEMENT</b>
	<b>0</b>	<b>90</b>	<b>4 VOLCLAY</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **WELL DRILLED  
FIRST**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **3 BURLAP, PVC 90',100',150'**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 35-40 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
60	TRINITY

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTEX PUMP & SUPPLY, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **AARON GLASS**

License Number: **4227**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	TOP SOIL
1	10	CALICHE/TAN LIMESTONE
10	30	TAN LIMESTONE
30	35	TAN CLAY
35	70	RED LIMESTONE
70	90	TAN LIMESTONE & RED CLAY
90	160	RED SAND & GRAVEL
160	165	YELLOW CLAY
165	170	BLUE CLAY

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	OD	N SDR17 PVC	+3 TO 170
5"	OD	N SDR17 PVC	SLOT 90 TO 150 .032

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**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #277354

Owner: **James Davidson**

Owner Well #: **No Data**

Address: **25707 Paleface Shore Dr.  
Spicewood, TX 78669**

Grid #: **57-40-4**

Well Location: **25707 Paleface Shore Dr.  
Spicewood, TX 78669**

Latitude: **30° 26' 12" N**

Longitude: **098° 05' 31" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/14/2011** Drilling End Date: **11/14/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 94, 90, 80, 20**

Type of Pump: **No Data**

Well Tests: **Jetted** Yield: **1/3 GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>94-200</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>36</b>	<b>Tan/White Limestone</b>
<b>36</b>	<b>55</b>	<b>Grey/Tan Limestone</b>
<b>55</b>	<b>94</b>	<b>Grey Clay</b>
<b>94</b>	<b>153</b>	<b>Red Sandstone</b>
<b>153</b>	<b>200</b>	<b>Gravel</b>
<b>200</b>	<b>220</b>	<b>Tan/Blue Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC + 2' to 160'</b>	<b>SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC 160' to 200'</b>	<b>.035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC 200' to 220'</b>	<b>SDR17</b>

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #278643

Owner: **Austin Golf Club**  
Address: **24900 Hwy 71 West  
Spicewood, TX 78669**  
Well Location: **25400 Hwy 71 West  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **#1**  
Grid #: **57-40-7**  
Latitude: **30° 24' 31" N**  
Longitude: **098° 06' 05" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/31/2011** Drilling End Date: **10/31/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>260</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 145, 160, 20**

Type of Pump: **No Data**

Well Tests: **Jetted** Yield: **17-18 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>145-245</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew J. Jackson** License Number: **54989**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>12</b>	<b>Tan Limestone</b>
<b>12</b>	<b>39</b>	<b>Red Sand w/Clay</b>
<b>39</b>	<b>76</b>	<b>Tan/White Limestone</b>
<b>76</b>	<b>101</b>	<b>Grey Limestone</b>
<b>101</b>	<b>145</b>	<b>Grey Clay</b>
<b>145</b>	<b>176</b>	<b>Red Sandstone</b>
<b>176</b>	<b>187</b>	<b>Gravel</b>
<b>187</b>	<b>202</b>	<b>Red Sandstone</b>
<b>202</b>	<b>245</b>	<b>Gravel</b>
<b>245</b>	<b>260</b>	<b>Fracture / Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+ 2' to 185' SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>185' to 245' .035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>245' to 260' SDR17</b>

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## STATE OF TEXAS WELL REPORT for Tracking #278921

Owner: **Bob Gray**

Owner Well #: **No Data**

Address: **P O Box 161973  
Austin, TX 78716**

Grid #: **57-39-6**

Well Location: **2809 Fall Creek Rd.  
Spicewood, TX 78669**

Latitude: **30° 25' 12" N**

Longitude: **098° 07' 45" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/1/2011**

Drilling End Date: **6/2/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>210</b>

Drilling Method: **Unknown**

Borehole Completion: **Unknown**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>130</b>	<b>21 Neat/Portlan</b>

Seal Method: **Pressure Tremmie**

Distance to Property Line (ft.): **150**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **N/a**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 8 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
102-190	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	5	Tan Limestone
5	18	Red Clay
18	62	Tan Limestone
62	69	Grey Limestone w/Clay
69	94	Grey Clay
94	98	Grey Limestone
98	102	Grey Clay w/Sand
102	125	Red Sandstone
125	149	Red/White Limestone
149	190	Gravel
190	210	Tan Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5" (5" OD)	New	PVC	+ 2' to 130' SDR17
4.5" (5" OD)	New	Slotted PVC	130' to 190' .035

---

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## STATE OF TEXAS WELL REPORT for Tracking #278922

Owner: **Austin Golf Club**  
Address: **24900 Hwy 71 West  
Spicewood, TX 78669**  
Well Location: **25400 Hwy 71 West  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **2**  
Grid #: **57-40-7**  
Latitude: **30° 24' 34" N**  
Longitude: **098° 06' 14" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/1/2011**

Drilling End Date: **11/1/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>225</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Unknown**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:			<b>N/A</b>

Seal Method: **N/A**

Distance to Property Line (ft.): **No Data**

Sealed By: **N/A**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **N/a**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 0 GPM**



Water Quality:

Strata Depth (ft.)	Water Type
N/A	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
<b>Dry Backfill</b>		

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>N/a</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #279161

Owner:	Jorn Budde C/O Action Water Wells	Owner Well #:	No Data
Address:	100 Spanish Oak Trail Spicewood, TX 78669	Grid #:	57-39-9
Well Location:	2910 Fall Creek Rd. Spicewood, TX 78669	Latitude:	30° 24' 54" N
Well County:	Travis	Longitude:	098° 07' 45" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 4/5/2010

Drilling End Date: 4/5/2010

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	8	0	20
	6.25	20	305

Drilling Method: Air Rotary

Borehole Completion: Straight Wall

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	0	20	4 of Portland

Seal Method: Slurry

Distance to Property Line (ft.): 50+

Sealed By: Driller

Distance to Septic Field or other  
concentrated contamination (ft.): 100+

Distance to Septic Tank (ft.): No Data

Method of Verification: Landowner

Surface Completion: Surface Sleeve Installed

Water Level: No Data

Packers: Burlap/Neoprene 197, 190, 20

Type of Pump: No Data

Well Tests: Jetted Yield: 10 GPM

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>197-290</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>60</b>	<b>Tan Limestone</b>
<b>60</b>	<b>82</b>	<b>Red Sandstone</b>
<b>82</b>	<b>95</b>	<b>Red Clay</b>
<b>95</b>	<b>110</b>	<b>Tan Limestone w/Sand</b>
<b>110</b>	<b>197</b>	<b>Grey Limestone</b>
<b>197</b>	<b>245</b>	<b>Red Sandstone</b>
<b>245</b>	<b>290</b>	<b>Gravel</b>
<b>290</b>	<b>305</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+ 2' to 210' SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>210' to 230' .035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>230' to 250' SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>250' to 270' .035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>270' to 290' SDR17</b>

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## STATE OF TEXAS WELL REPORT for Tracking #279444

Owner:	<b>Billy Meyer</b>	Owner Well #:	<b>No Data</b>
Address:	<b>P O Box 8157 Waco, TX 76714</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>3220 Fall Creek Rd. Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 12" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 46" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/19/2011**      Drilling End Date: **5/19/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>232</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 115, 105, 20**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 1.5 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
115-210	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**PO Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.**

License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	35	Tan Limestone
35	57	Grey Limestone
57	100	Grey Clay
100	115	Red Sandstone
115	125	Gravel
125	145	Red Sandstone
145	165	Gravel
165	180	Red Sandstone
180	210	Gravel
210	232	Tan Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5" (5" OD)	New	PVC	+ 2' to 172' SDR17
4.5" (5" OD)	New	Slotted PVC	172' to 212' .035

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## STATE OF TEXAS WELL REPORT for Tracking #279590

Owner:	<b>Ed Brooks</b>	Owner Well #:	<b>No Data</b>
Address:	<b>2731 Fall Creek Rd. Spicewood, TX 78669</b>	Grid #:	<b>57-39-6</b>
Well Location:	<b>2731 Fall Creek Rd Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 01" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 07' 32" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **7/18/2011**      Drilling End Date: **7/18/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>185</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Sealed By: **Apex Drilling, Inc**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 4 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>132-185</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.** License Number: **54516**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>40</b>	<b>Tan Limestone</b>
<b>40</b>	<b>45</b>	<b>Grey/Tan Limestone</b>
<b>45</b>	<b>82</b>	<b>Grey Clay</b>
<b>82</b>	<b>132</b>	<b>Red Sandstone</b>
<b>132</b>	<b>165</b>	<b>Gravel H2O</b>
<b>165</b>	<b>185</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC + 2' to 105'</b>	<b>SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC 105' to 115'</b>	<b>.035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC 115' to 185'</b>	<b>SDR17</b>

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**



## STATE OF TEXAS WELL REPORT for Tracking #279911

Owner: **Austin Golf Club**  
Address: **24900 Hwy 71 West  
Spicewood, TX 78669**  
Well Location: **25400 Hwy 71 West  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **#3**  
Grid #: **57-40-7**  
Latitude: **30° 24' 47" N**  
Longitude: **098° 05' 59" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/1/2011**

Drilling End Date: **11/2/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>210</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Unknown**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:			<b>N/A</b>

Seal Method: **Unknown**

Distance to Property Line (ft.): **No Data**

Sealed By: **N/A**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **N/A**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 0 GPM**

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Water Quality:

Strata Depth (ft.)	Water Type
-	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.** License Number: **54516**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
<b>Dry-Backfill</b>		

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>N/A</b>			

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #280188

Owner: **Austin Golf Club**

Owner Well #: **#4**

Address: **24900 Hwy 71 West  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **25400 Hwy 71 West  
Spicewood, TX 78669**

Latitude: **30° 24' 41" N**

Longitude: **098° 06' 01" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/6/2011**

Drilling End Date: **11/6/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Unknown**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:			<b>N/a</b>

Seal Method: **Unknown**

Distance to Property Line (ft.): **No Data**

Sealed By: **N/A**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **N/a**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 0 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>N/A</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apexx Drilling, Inc.**  
**P.O.Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>3</b>	<b>Red Clay</b>
<b>3</b>	<b>37</b>	<b>White/Tan Limestone</b>
<b>37</b>	<b>67</b>	<b>Grey/Tan Limestone</b>
<b>67</b>	<b>114</b>	<b>Grey Clay</b>
<b>114</b>	<b>167</b>	<b>Red Sandstone</b>
<b>167</b>	<b>213</b>	<b>Gravel</b>
<b>213</b>	<b>215</b>	<b>Tourquoise Clay</b>
<b>215</b>	<b>220</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>N/a</b>			

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**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #280190

Owner: **Austin Golf Club**  
Address: **24900 Hwy 71 West  
Spicewood, TX 78669**  
Well Location: **25400 Hwy 71 West  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **#5**  
Grid #: **57-40-7**  
Latitude: **30° 24' 36" N**  
Longitude: **098° 06' 03" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/7/2011**

Drilling End Date: **11/7/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>225</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Unknown**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:			<b>N/A</b>

Seal Method: **Unknown**

Distance to Property Line (ft.): **No Data**

Sealed By: **N/a**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **N/a**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 0 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>N/a</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>48</b>	<b>Tan Limestone</b>
<b>48</b>	<b>58</b>	<b>Grey/Tan Limestone</b>
<b>58</b>	<b>125</b>	<b>Grey Clay</b>
<b>125</b>	<b>160</b>	<b>Red Sanstone</b>
<b>160</b>	<b>222</b>	<b>Gravel</b>
<b>222</b>	<b>223</b>	<b>Tourquoise Clay</b>
<b>223</b>	<b>225</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>N/A</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #280192

Owner: **Austin Golf Club**  
Address: **24900 Hwy 71 West  
Spicewood, TX 78669**  
Well Location: **25400 Hwy 71 West  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **#6**  
Grid #: **57-40-7**  
Latitude: **30° 24' 41" N**  
Longitude: **098° 05' 44" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/8/2011**

Drilling End Date: **11/8/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>215</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Unknown**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:			<b>N/a</b>

Seal Method: **Unknown**

Distance to Property Line (ft.): **No Data**

Sealed By: **N/a**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **N/a**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 0 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>N/a</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.**

License Number: **54516**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>From (ft)</i>	<i>To (ft)</i>	<i>Description</i>
<b>Dry</b>		
<b>000-001 Top Soil</b>		
<b>001-035 Tan Limestone</b>		
<b>035-065 Grey Limestone</b>		
<b>065-102 Grey Clay</b>		
<b>102-125 Red Sandstone</b>		
<b>125-130 Gravel</b>		
<b>130-141 Red Sanstone</b>		
<b>141-146 Gravel</b>		
<b>146-171 Red Sandstone</b>		
<b>171-210 Gravel</b>		
<b>210-215 Tan Clay</b>		

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>N/a</b>			



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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #280197

Owner: **Austin Golf Club**  
Address: **24900 Hwy 71 West  
Spicewood, TX 78669**  
Well Location: **25400 Hwy 71 West  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **#9**  
Grid #: **57-40-7**  
Latitude: **30° 24' 44" N**  
Longitude: **098° 05' 55" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **12/30/2011** Drilling End Date: **12/30/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>215</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Unknown**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:			<b>N/a</b>

Seal Method: **Unknown**

Distance to Property Line (ft.): **No Data**

Sealed By: **N/a**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **N/a**

Type of Pump: **No Data**

Well Tests: **Jetted** Yield: **0 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>N/a</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.** License Number: **54516**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>From (ft)</i>	<i>To (ft)</i>	<i>Description</i>
<b>Dry-Backfill</b>		
<b>000-001 Top Soil</b>		
<b>001-035 Tan Limestone</b>		
<b>035-067 Grey/Tan Limestone</b>		
<b>067-115 Grey Clay</b>		
<b>115-186 Red Sandstone</b>		
<b>186-210 Gravel</b>		
<b>210-215 Tan Clay</b>		

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>N/a</b>			

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #280364

Owner: **Todd & Penelope Kemper**

Owner Well #: **No Data**

Address: **25216 River Rd.  
Spicewood, TX 78669**

Grid #: **57-40-5**

Well Location: **25216 River Rd.  
Spicewood, TX 78669**

Latitude: **30° 26' 23" N**

Longitude: **098° 04' 55" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **12/21/2011** Drilling End Date: **12/21/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>100</b>
	<b>6.5</b>	<b>100</b>	<b>225</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>11 of Portland</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **10**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 125, 120, 100**

Type of Pump: **No Data**

Well Tests: **Jetted** Yield: **25 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>125-210</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.**

License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>41</b>	<b>Tan Limestone</b>
<b>41</b>	<b>52</b>	<b>Tan/Grey Limestone</b>
<b>52</b>	<b>96</b>	<b>Grey Clay</b>
<b>96</b>	<b>115</b>	<b>Red Sandstone</b>
<b>115</b>	<b>119</b>	<b>Gravel</b>
<b>119</b>	<b>125</b>	<b>Red Sandstone</b>
<b>125</b>	<b>133</b>	<b>Gravel</b>
<b>133</b>	<b>147</b>	<b>Red Sandstone</b>
<b>147</b>	<b>210</b>	<b>Sand/Gravel</b>
<b>210</b>	<b>212</b>	<b>Tourquoise Clay</b>
<b>212</b>	<b>225</b>	<b>Tan Clay</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+ 2' to 150' SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>150' to 210' .035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>210' to 225' SDR17</b>

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## STATE OF TEXAS WELL REPORT for Tracking #280863

Owner: **Andrew Jackson**  
Address: **25315 Hwy 71 West  
Spicewood, TX 78669**  
Well Location: **No Data**  
Well County: **Travis**

Owner Well #: **No Data**  
Grid #: **57-40-7**  
Latitude: **30° 24' 21" N**  
Longitude: **098° 06' 24" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **12/7/2011**

Drilling End Date: **12/7/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>245</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 140, 145, 20**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 4 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>132-225</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G. Becker, P. G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>31</b>	<b>Tan Limestone w/Red Clay</b>
<b>31</b>	<b>58</b>	<b>Tan/White Limestone</b>
<b>58</b>	<b>132</b>	<b>Grey/Tan Limestone</b>
<b>132</b>	<b>180</b>	<b>Red Sandstone</b>
<b>180</b>	<b>225</b>	<b>Gravel</b>
<b>225</b>	<b>245</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC + 2' to 165' SDR17</b>	
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC 165' to 225' .035</b>	
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC 225' to 245' SDR17</b>	

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**(512) 334-5540**



## STATE OF TEXAS WELL REPORT for Tracking #281349

Owner:	Lakecliff Country Club	Owner Well #:	1
Address:	1700 Kahala Sunset Drive Spicewood, TX 78669	Grid #:	57-40-5
Well Location:	1700 Kahala Sunset Drive Spicewood, TX 78669	Latitude:	30° 27' 16" N
Well County:	Travis	Longitude:	098° 04' 38" W
		Elevation:	809 ft. above sea level
Type of Work:	New Well	Proposed Use:	Irrigation

Drilling Start Date: **2/29/2012** Drilling End Date: **3/13/2012**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	9.875	0	220

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	16	220	Gravel	

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	116	15ptln2hlp12bns

Seal Method: **Pos. Displacement**

Distance to Property Line (ft.): **200+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **153 ft. below land surface on 2012-03-06** Measurement Method: **Unknown**

Packers: **Gravel Pack**

Type of Pump: **Submersible** Pump Depth (ft.): **200**

Well Tests: **Pump** Yield: **30 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>160-220</b>	<b>Good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**P.O. Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>4</b>	<b>Topsoil</b>
<b>4</b>	<b>18</b>	<b>Brown Red Limestone</b>
<b>18</b>	<b>19</b>	<b>Yellow White Limestone</b>
<b>19</b>	<b>28</b>	<b>White Limestone</b>
<b>28</b>	<b>29</b>	<b>Yellow Limestone</b>
<b>29</b>	<b>39</b>	<b>Yellow White Limestone</b>
<b>39</b>	<b>40</b>	<b>Void</b>
<b>40</b>	<b>45</b>	<b>Brown Limestone</b>
<b>45</b>	<b>70</b>	<b>Gray Limestone</b>
<b>70</b>	<b>75</b>	<b>Brown Clay</b>
<b>75</b>	<b>83</b>	<b>Gray Limestone</b>
<b>83</b>	<b>86</b>	<b>Blue Clay</b>
<b>86</b>	<b>140</b>	<b>Sand Brown Limestone</b>
<b>140</b>	<b>155</b>	<b>Red Clay Sand</b>
<b>155</b>	<b>218</b>	<b>Red Sand Big Rock</b>
<b>218</b>	<b>240</b>	<b>Black Clay-Smith Wick</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>6.9</b>	<b>New</b>	<b>PVC-SDR 17IB</b>	<b>+2'/106'</b>
<b>6.9</b>	<b>New</b>	<b>PVC-17 Slotted .035</b>	<b>160'/220'</b>

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## STATE OF TEXAS WELL REPORT for Tracking #281847

Owner: **david raring**

Owner Well #: **No Data**

Address: **481 scenic ridge  
spicewood, TX**

Grid #: **57-40-1**

Well Location: **481 scenic ridge  
spicewood, TX**

Latitude: **30° 27' 42" N**

Longitude: **098° 06' 12" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Closed-Loop Geothermal**

Drilling Start Date: **2/15/2012**

Drilling End Date: **2/16/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>4.5</b>	<b>0</b>	<b>300</b>

Drilling Method: **Air Rotary**

Borehole Completion: **bh 20**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:			<b>9</b>

Seal Method: **tremipe**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **Unknown**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **geothermal advantage**  
**3200 nottingham dr**  
**mckinney, TX 75070**

Driller Name: **freddie wright** License Number: **58667**

Comments: **4 wells**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>1</b>	<b>5</b>	<b>Clay</b>
<b>5</b>	<b>300</b>	<b>chale</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #282444

Owner: **Charles Meek**

Owner Well #: **No Data**

Address: **2809 Fall Creek Rd. #M  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **2809 Fall Creek Rd. #M  
Spicewood, TX 78669**

Latitude: **30° 24' 00" N**

Longitude: **098° 07' 10" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Irrigation**

Drilling Start Date: **11/1/2011**

Drilling End Date: **11/9/2011**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>245</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>6</b>

Seal Method: **Hand Poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **300**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape Measure**

Surface Completion: **Surface Sleeve Installed**

Water Level: **44 ft. below land surface on 2011-11-09**

Measurement Method: **Unknown**

Packers: **Shale Trap 45'-20'**

Type of Pump: **Submersible**

Pump Depth (ft.): **200**

Well Tests: **Pump** **Yield: 5 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Tom Arnold Drilling**  
**2750 S. A.W. Grimes Blvd.**  
**Round Rock, TX 78664**

Driller Name: **Tommy Arnold**

License Number: **2096**

Comments: **^EAD**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	topsoil
1	3	red clay
3	9	yellow sand & sandstone
9	33	yellow sandstone
33	34	red shale
34	44	white limestone
44	101	gray limestone
101	130	blue & red clay
130	148	red sandstone
148	162	gray shale
162	170	white limestone
170	188	cemented gravel
188	211	red sandstone
211	220	blue shale
211	220	red sandstone
220	245	blue shale

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4 1/2"	N	Plastic	0'-245'
		Perf.	45'-65'

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## STATE OF TEXAS WELL REPORT for Tracking #283991

Owner: **COUNTRY CLUB AT LAKESIDE**

Owner Well #: **No Data**

Address: **1900 CLUBHOUSE HILL DRIVE  
SPICEWOOD, TX 78669**

Grid #: **57-40-1**

Well Location: **1900 CLUBHOUSE HILL DRIVE  
SPICEWOOD, TX 78669**

Latitude: **30° 27' 39" N**

Longitude: **098° 06' 05" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Test Well**

Drilling Start Date: **1/30/2012**

Drilling End Date: **1/30/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>18</b>
	<b>6.25</b>	<b>18</b>	<b>210</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Open Hole**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>18</b>	<b>4 BENTONITE</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **OWNER**

Surface Completion: **Surface Sleeve Installed**

Water Level: **160 ft. below land surface on 2012-01-30** Measurement Method: **Unknown**

Packers: **N/A**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 8-10 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
60	TRINITY

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTEX PUMP & SUPPLY, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **AARON GLASS**

License Number: **4227**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-2		TOP SOIL
2-15		TAN LIMESTONE
15-20		RED LIMESTONE W/CLAY
20-30		TAN W/RED LIMESTONE
30-40		TAN LIMESTONE
40-65		GRAY LIMESTONE
65-75		TAN W/GRAY LIMESTONE
75-80		BLUE/GRAY LIMESTONE
80-90		BLUE/GRAY LIMESTONE
		W/CLAY
90-125		BLUE/GRAY LIMESTONE
		W/RED CLAY
125-135		RED LIMESTONE W/RED
		SANDSTONE
135-140		RED SAND W/GRAVEL STRIPS
140-155		SAND W/RED CLAY
155-195		RED SAND & GRAVEL
195-210		BLUE CLAY STRIPS

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6 1/4"	N	SCH. 40 PVC	+2 TO 18'

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## STATE OF TEXAS WELL REPORT for Tracking #286612

Owner:	<b>WAYNE MOCK</b>	Owner Well #:	<b>1</b>
Address:	<b>LOT 29,BLOCK b,SECTION 1 MARBLE FALLS, TX 78654</b>	Grid #:	<b>57-40-6</b>
Well Location:	<b>ROCK CANYON COVE MARBLE FALLS, TX 78654</b>	Latitude:	<b>30° 27' 12.83" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 02' 15.52" W</b>
		Elevation:	<b>740 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/7/2012**

Drilling End Date: **5/9/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9.75</b>	<b>0</b>	<b>40</b>
	<b>6.25</b>	<b>40</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>10</b>

Seal Method: **PRESSURE CEMENTED**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **103 ft. below land surface on 2012-05-09** Measurement Method: **Unknown**

Packers: **RUBBER 100'**  
**RUBBER 180'**

Type of Pump: **Submersible** Pump Depth (ft.): **200**

Well Tests: **Jetted** Yield: **35 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>TRINITY</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **HILL COUNTRY WATER WELL**

**POBOX 220  
BRIGGS, TX 78608**

Driller Name: **Joe McDearmon**

License Number: **2334**

Comments: **No Data**

**Report Amended on 3/17/2025 by Request #44629**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>12</b>	<b>CALICHE</b>
<b>12</b>	<b>14</b>	<b>YELLOW CLAY</b>
<b>14</b>	<b>24</b>	<b>SAND</b>
<b>24</b>	<b>30</b>	<b>GRAVEL</b>
<b>30</b>	<b>50</b>	<b>WHITE LIME</b>
<b>50</b>	<b>120</b>	<b>GRAY LIME</b>
<b>120</b>	<b>160</b>	<b>RED SHALE</b>
<b>160</b>	<b>180</b>	<b>SANSTONE</b>
<b>180</b>	<b>190</b>	<b>BROWN SANDSTONE</b>
<b>190</b>	<b>195</b>	<b>SANDSTONE</b>
<b>195</b>	<b>200</b>	<b>TRINITY SAND</b>
<b>200</b>	<b>205</b>	<b>SANDSTONE</b>
<b>205</b>	<b>210</b>	<b>TRINITY SAND</b>
<b>210</b>	<b>220</b>	<b>ELLENBERG</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0/180 SDR17</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN</b>	<b>200/220 .032</b>

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #293782

Owner: **JONATHEN CLARK**

Owner Well #: **No Data**

Address: **3225 FALL CREEK RD.  
SPICEWOOD, TX 78669**

Grid #: **57-40-7**

Well Location: **3225 FALL CREEK RD.  
SPICEWOOD, TX 78669**

Latitude: **30° 24' 02" N**

Longitude: **098° 07' 03" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/2/2012**

Drilling End Date: **5/2/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>50</b>
	<b>6.25</b>	<b>50</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>50</b>	<b>7 CEMENT</b>
	<b>1</b>	<b>50</b>	<b>VOLCLAY</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **OWNER**

Surface Completion: **Surface Sleeve Installed**

Water Level: **136 ft. below land surface on 2012-05-02** Measurement Method: **Unknown**

Packers: **BURLAP & PLASTIC 120', 110', 50'**

Type of Pump: **Submersible**

Pump Depth (ft.): **210**

Well Tests: **Jetted** **Yield: 5-7 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>120-205</b>	<b>TRINITY</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTEX PUMP & SUPPLY, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JAMES BENOIT**

License Number: **4227**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>10</b>	<b>RED SANDY LIME</b>
<b>10</b>	<b>35</b>	<b>YELLOW LIME</b>
<b>35</b>	<b>80</b>	<b>GRAY LIME</b>
<b>80</b>	<b>110</b>	<b>GRAY SHALE</b>
<b>110</b>	<b>120</b>	<b>RED CLAY</b>
<b>120</b>	<b>140</b>	<b>RED SANDSTONE</b>
<b>140</b>	<b>155</b>	<b>MULTI COLORED LIMESTONE</b>
<b>155</b>	<b>185</b>	<b>RED SANDSTONE</b>
<b>185</b>	<b>205</b>	<b>YELLOW LIMESTONE</b>
<b>205</b>	<b>220</b>	<b>GRAY CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>5 N</b>	<b>SDR17</b>	<b>-2 TO 150</b>	
<b>5 N</b>	<b>SDR17 (SCREEN)</b>	<b>150 TO 210</b>	<b>.032</b>
<b>5 N</b>	<b>SDR17</b>	<b>210 TO</b>	



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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #293783

Owner: **JONATHAN CLARK**

Owner Well #: **No Data**

Address: **3225 FALL CREEK RD.  
SPICEWOOD, TX 78669**

Grid #: **57-40-7**

Well Location: **3225 FALL CREEK RD.  
SPICEWOOD, TX 78669**

Latitude: **30° 24' 02" N**

Longitude: **098° 07' 03" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/2/2012**

Drilling End Date: **5/2/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>50</b>
	<b>6.25</b>	<b>50</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>1</b>	<b>50</b>	<b>7 CEMENT</b>
	<b>1</b>	<b>50</b>	<b>VOLCLAY</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **OWNER**

Surface Completion: **Surface Sleeve Installed**

Water Level: **136 ft. below land surface on 2012-05-02** Measurement Method: **Unknown**

Packers: **BURLAP & PLASTIC 120', 110', 50'**

Type of Pump: **Submersible**

Pump Depth (ft.): **210**

Well Tests: **Jetted** **Yield: 5-7 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>120-205</b>	<b>TRINITY</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTEX PUMP & SUPPLY, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JAMES BENOIT**

License Number: **4227**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>10</b>	<b>RED SANDY LIME</b>
<b>10</b>	<b>35</b>	<b>YELLOW LIME</b>
<b>35</b>	<b>80</b>	<b>GRAY LIME</b>
<b>80</b>	<b>110</b>	<b>GRAY SHALE</b>
<b>110</b>	<b>120</b>	<b>RED CLAY</b>
<b>120</b>	<b>140</b>	<b>RED SANDSTONE</b>
<b>140</b>	<b>155</b>	<b>MULTI COLORED LIMESTONE</b>
<b>155</b>	<b>185</b>	<b>RED SANDSTONE</b>
<b>185</b>	<b>205</b>	<b>YELLOW LIMESTONE</b>
<b>205</b>	<b>220</b>	<b>GRAY CLAY</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>5 N</b>	<b>SDR17</b>	<b>-2 TO 150</b>	
<b>5 N</b>	<b>SDR17 (SCREEN)</b>	<b>150 TO 210</b>	<b>.032</b>
<b>5 N</b>	<b>SDR17</b>	<b>210 TO</b>	

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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #298268

Owner: **BADGER CUSTOM HOMES**

Owner Well #: **No Data**

Address: **106 HIGH VISTA CIRCLE  
AUSTIN, TX 78737**

Grid #: **57-40-5**

Well Location: **25308 RIVER RD.  
SPICEWOOD, TX 78669**

Latitude: **30° 26' 35" N**

Longitude: **098° 04' 56" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/25/2012**

Drilling End Date: **7/25/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>90</b>
	<b>6</b>	<b>90</b>	<b>190</b>

Drilling Method: **Air Hammer**

Borehole Completion: **CASED**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>90</b>	<b>10 CEMENT</b>
	<b>0</b>	<b>90</b>	<b>4 VOLCLAY</b>

Seal Method: **PRESSURE TRIMMIE  
CEMENTING**

Distance to Property Line (ft.): **N/A**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **WELL DRILLED  
FIRST**

Surface Completion: **Surface Sleeve Installed**

Water Level: **115.6 ft. below land surface on 2012-07-25**

Measurement Method: **Unknown**

Packers: **3 BURLAP, PVC 90', 100', 110'**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 15 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
60	TRINITY

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTEX PUMP & SUPPLY, INC.**  
**2520 HWY. 290 WEST**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **AARON GLASS**

License Number: **4227**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-1		TOP SOIL
1-18		TAN LIMESTONE
18-50		GRAY CLAY W/HAMMETT CLAY
50-55		GRAY CLAY W/RED CLAY
55-70		GRAY LIMESTONE W/CLAY STRIPS
70-72		GRAY/TAN LIMESTONE
72-75		RED CLAY
75-90		RED SAND & CLAY STRIPS
90-110		RED/TAN SAND & GRAVEL
110-125		RED CLAY
125-190		SAND & GRAVEL

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	OD	N SDR17 PVC	+3 TO 190
5"	OD	N SDR17 PVC SLOT	130 TO 190 .032

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #304430

Owner:	<b>David Beilhar</b>	Owner Well #:	<b>1</b>
Address:	<b>1223 Pale Face Ranch Road Spicewood, TX</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>1223 Pale Face Ranch Road Spicewood, TX</b>	Latitude:	<b>30° 25' 00" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 00" W</b>
		Elevation:	<b>823 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/12/2012**      Drilling End Date: **11/18/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>605</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>-2</b>	<b>20</b>	<b>12 cement</b>

Seal Method: **poured slurry**

Sealed By: **charles Bulfer**

Distance to Property Line (ft.): **300+**

Distance to Septic Field or other  
concentrated contamination (ft.): **300+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **145 ft. below land surface on 2012-11-18**      Measurement Method: **Unknown**

Packers: **rubber at 20 ft**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>fresh</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **walden Drilling**  
**1690 CR 102**  
**LLANO, TX 78643**

Driller Name: **Charles A. Bulfer** License Number: **58222**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>14</b>	<b>limestone sand and gravel</b>
<b>14</b>	<b>69</b>	<b>brown limestone and streaks of black clay</b>
<b>69</b>	<b>132</b>	<b>limestone and red clay</b>
<b>132</b>	<b>195</b>	<b>brown limestone and clay,190 feet hit water</b>
<b>195</b>	<b>605</b>	<b>brown clay with small streaks of sand</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>sdr</b>	<b>17 plastic new</b>	
<b>400 ft to 605</b>	<b>perf.</b>	<b>.125</b>	

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**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #304431

Owner:	<b>David Beilhar</b>	Owner Well #:	<b>1</b>
Address:	<b>1223 Pale Face Ranch Road Spicewood, TX</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>1223 Pale Face Ranch Road Spicewood, TX</b>	Latitude:	<b>30° 25' 00" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 00" W</b>
		Elevation:	<b>823 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/12/2012**      Drilling End Date: **11/18/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>605</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>-2</b>	<b>20</b>	<b>12 cement</b>

Seal Method: **poured slurry**

Sealed By: **charles Bulfer**

Distance to Property Line (ft.): **300+**

Distance to Septic Field or other  
concentrated contamination (ft.): **300+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **145 ft. below land surface on 2012-11-18**      Measurement Method: **Unknown**

Packers: **rubber at 20 ft**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>fresh</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **walden Drilling**  
**1690 CR 102**  
**LLANO, TX 78643**

Driller Name: **Charles A. Bulfer** License Number: **58222**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>14</b>	<b>limestone sand and gravel</b>
<b>14</b>	<b>69</b>	<b>brown limestone and streaks of black clay</b>
<b>69</b>	<b>132</b>	<b>limestone and red clay</b>
<b>132</b>	<b>195</b>	<b>brown limestone and clay,190 feet hit water</b>
<b>195</b>	<b>605</b>	<b>brown clay with small streaks of sand</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>sdr</b>	<b>17 plastic new</b>	
<b>400 ft to 605</b>	<b>perf.</b>	<b>.125</b>	

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #309265

Owner:	<b>Pete Webster</b>	Owner Well #:	<b>No Data</b>
Address:	<b>12601 Bee Caves Pkwy #224 Austin, TX 78738</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>23800 Pedernales Canyon Trail Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 51" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 39" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **1/11/2013**      Drilling End Date: **1/11/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>282</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 of Portland</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 195', 190', 70', 20'**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 20 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>197-262</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>29</b>	<b>Tan Limestone</b>
<b>29</b>	<b>110</b>	<b>Gray Limestone</b>
<b>110</b>	<b>154</b>	<b>Gray Clay</b>
<b>154</b>	<b>197</b>	<b>Red Sandstone</b>
<b>197</b>	<b>201</b>	<b>Gravel</b>
<b>201</b>	<b>232</b>	<b>Red Sandstone</b>
<b>232</b>	<b>262</b>	<b>Gravel **H2O</b>
<b>262</b>	<b>282</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2' to 202' SDR17</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>Slotted PVC</b>	<b>202' to 262' .035</b>
<b>4.5" (5" OD)</b>	<b>New</b>	<b>PVC</b>	<b>262' to 282 SDR17</b>

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #314465

Owner:	David Beilhar	Owner Well #:	2
Address:	1223 Pale Face Ranch Road Spicewood, TX 78669	Grid #:	57-40-4
Well Location:	1223 Pale Face Ranch Road Spicewood, TX 78669	Latitude:	30° 25' 12" N
Well County:	Travis	Longitude:	098° 06' 17" W
		Elevation:	823 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **3/21/2013**      Drilling End Date: **3/22/2013**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8.75	0	180

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **Filter Packed; Straight Wall**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	10	180	Gravel	3/8

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	-2	10	3

Seal Method: **poured slurry**

Distance to Property Line (ft.): **150+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **300+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **130 ft. below land surface on 2013-03-21**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 10+ GPM with 0 ft. drawdown after .5 hours**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>160</b>	<b>good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Walden Drilling Inc**  
**1690 cr 102**  
**Llano, TX 78643**

Driller Name: **Scott Purcell** License Number: **59335**

Apprentice Name: **Eddie Screws**

Comments: **Jetted estimate of 10 + gpm before packing with gravel. Heavy Clay zone and gravel may slow estimated gpm.**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>14</b>	<b>limestone</b>
<b>14</b>	<b>69</b>	<b>brown lime with black clay</b>
<b>69</b>	<b>130</b>	<b>limestone with red clay</b>
<b>130</b>	<b>180</b>	<b>brown lime with clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>5</b>	<b>new</b>	<b>sdr</b>	<b>17 +2 -140</b>
<b>5</b>	<b>new</b>	<b>sdr</b>	<b>17 140-180 slotted .125</b>

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## STATE OF TEXAS WELL REPORT for Tracking #316394

Owner: **Joe Beck C/O Austin Golf Club**

Owner Well #: **10**

Address: **24900 Hyw 71 W  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **25400 Hwy 71 W  
Spicewood, TX 78669**

Latitude: **30° 24' 34" N**

Longitude: **098° 06' 03" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Irrigation**

Drilling Start Date: **7/11/2012**

Drilling End Date: **7/17/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>660</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Unknown**      **Yield: 0 GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G.** License Number: **54516**

Comments: **Back Field W/ 2' Cement Cap**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>26</b>	<b>Tan White Limestone</b>
<b>26</b>	<b>61</b>	<b>Gray Tan Limestone</b>
<b>61</b>	<b>105</b>	<b>Gray Clay</b>
<b>105</b>	<b>138</b>	<b>Red Sandstone</b>
<b>138</b>	<b>145</b>	<b>Gravel</b>
<b>145</b>	<b>162</b>	<b>Red Sandstone</b>
<b>162</b>	<b>210</b>	<b>Gravel</b>
<b>210</b>	<b>252</b>	<b>Tan Clay</b>
<b>252</b>	<b>660</b>	<b>Gray Limestone W/ Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #324857

Owner:	<b>Sheila &amp; Craig Nickels</b>	Owner Well #:	<b>No Data</b>
Address:	<b>4300 Travis Peak Trail Marble falls, TX 78654</b>	Grid #:	<b>57-40-1</b>
Well Location:	<b>marble falls, TX 78654</b>	Latitude:	<b>30° 27' 42" N</b>
Well County:	<b>Burnet</b>	Longitude:	<b>098° 05' 59" W</b>
		Elevation:	<b>784 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Closed-Loop Geothermal</b>

Drilling Start Date: **7/1/2013**

Drilling End Date: **7/7/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>4.5</b>	<b>0</b>	<b>300</b>

Drilling Method: **Air Hammer; Air Rotary**

Borehole Completion: **BH20**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>300</b>	<b>9 BH20</b>

Seal Method: **Tremite**

Distance to Property Line (ft.): **No Data**

Sealed By: **Freddie Wright**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **Unknown**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Geothermal Advantage**  
**2425 Brenham Dr**  
**McKinney, TX 75070**

Driller Name: **Michael Wright** License Number: **58690**

Comments: **6 Geothermal Bore Holes**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>7</b>	<b>top soil</b>
<b>8</b>	<b>300</b>	<b>hard sandstone/shale</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #342767

Owner:	<b>Mark Sitterle</b>	Owner Well #:	<b>1</b>
Address:	<b>2400 Cliff Point Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>2400 Cliff Point Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 15" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 31" W</b>
		Elevation:	<b>535 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **9/17/2013**      Drilling End Date: **9/23/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>240</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>124</b>	<b>240</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>124</b>	<b>1hlp5bns6TypH</b>

Seal Method: **Pos. Displacement**

Distance to Property Line (ft.): **35**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **300+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **124 ft. below land surface on 2013-09-18**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**      Pump Depth (ft.): **180**

Well Tests: **Jetted**      Yield: **15+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
160/230	Good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**P.O. Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Apprentice Name: **Travis Haffelder**

Comments: **TDS 500**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Topsoil
2	18	White Brown Yellow Limestone
18	20	Brown Limestone
20	30	Tan Brown Limestone
30	40	Gray Limestone wet
40	43	Brown Limestone
43	74	Gray Limestone
74	76	Brown Shale
76	85	Gray Limestone Shale
85	110	Red Sandstone Rock
110	140	Brown Limestone Rock
140	230	Brown Rock
230	240	Gravel Black Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	PVC-SDR 171B	+2'/180'
4.5	New	PVC-17 Slotted .035	180'/240'

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## STATE OF TEXAS WELL REPORT for Tracking #342864

Owner:	<b>Rod Sellers</b>	Owner Well #:	<b>1</b>
Address:	<b>P.O. Box 890649 Houston, TX 77289</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25714 Cliff Circle Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 21" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 26" W</b>
		Elevation:	<b>768 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **9/24/2013**      Drilling End Date: **9/25/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>220</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>177</b>	<b>2hlp5bnsI9TypH</b>

Seal Method: **Pos. Displacement**

Distance to Property Line (ft.): **5**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **250+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **144 ft. below land surface on 2013-09-26**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**      Pump Depth (ft.): **180**

Well Tests: **Jetted**      Yield: **15+ GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>160/220</b>	<b>Good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**P.O. Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Apprentice Name: **Travis Haffelder**

Comments: **TDS 500**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>22</b>	<b>White Limestone</b>
<b>22</b>	<b>45</b>	<b>Brown Limestone Sand Wet</b>
<b>45</b>	<b>95</b>	<b>Gray Limestone Shale</b>
<b>95</b>	<b>118</b>	<b>Red Sandstone Sand</b>
<b>118</b>	<b>160</b>	<b>Red Brown Sandstone</b>
<b>160</b>	<b>216</b>	<b>Brown Sandstone Rock</b>
<b>216</b>	<b>220</b>	<b>Gray Black Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>New</b>	<b>PVC-SDR 171B</b>	<b>+2'/160'</b>
<b>4.5</b>	<b>New</b>	<b>PVC-17 Slotted .035</b>	<b>160'/220'</b>

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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #342868

Owner:	<b>Bill Thomas</b>	Owner Well #:	<b>1</b>
Address:	<b>25616 Kahala Sunset Ct. Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25616 Kahala Sunset Ct. Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 11" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 26" W</b>
		Elevation:	<b>793 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **9/25/2013**      Drilling End Date: **9/27/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>260</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>123</b>	<b>200</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>127</b>	<b>1h1pg5bns16TypH</b>

Seal Method: **Pos. Displacement**

Distance to Property Line (ft.): **6**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **150+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **167 ft. below land surface on 2013-09-26**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**      Pump Depth (ft.): **200**

Well Tests: **Jetted**      Yield: **20+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
200/260	Good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**P.O. Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Apprentice Name: **Travis Haffelder**

Comments: **TDS 500**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-1/2		Topsoil
1/2-6		Red Clay Sand
6-18		Red Sandstone White Limestone
18-20		Brown Limestone
20-45		White Limestone
45-47		Brown Sandstone White Limestone
47-53		Brown Limestone
53-110		Gray Limestone
110-135		Red Sandstone
135-137		Brown Sandstone
137-200		Red Rock Sandstone
200-250		Brown Limestone
250-260		Black Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	PVC-SDR 171B	+2'/200'
4.5	New	PVC-17 Slotted	.035 200'/260'

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #342870

Owner:	<b>John &amp; Sheryl Scott</b>	Owner Well #:	<b>1</b>
Address:	<b>25617 Kahala Sunset Ct. Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25617 Kahala Sunset Ct Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 10" N</b>
		Longitude:	<b>098° 04' 26" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>793 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **9/18/2013**      Drilling End Date: **9/23/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>280</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>164</b>	<b>280</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>153</b>	<b>1hlp6bns16TypH</b>

Seal Method: **Pos. Displacement**

Distance to Property Line (ft.): **8**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **300+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **163 ft. below land surface on 2013-09-18**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**      Pump Depth (ft.): **240**

Well Tests: **Jetted**      Yield: **15+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
230/275	Good

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**P.O. Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Apprentice Name: **Travis Haffelder**

Comments: **TDS 500**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Caliche
1	5	Red Sandstone
5	8	Brown Sandstone
8	10	Gray Brown Sandstone
10	12	Brown Red Limestone
12	18	Red Sandstone
18	20	Brown Limestone
20	21	Red Shale
21	23	Brown Limestone
23	30	Light Brown Red Sandstone
30	32	Yellow Limestone
32	50	White Limestone
50	55	Brown Red Sand
55	95	Gray Limestone
95	97	Brown Red Shale
97	115	Gray Limestone
115	117	Red Sandstone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	PVC-SDR 171B	+2'/240'
4.5	New	PVC-17 Slotted	.035 240'/280'

117	140	Brown Red Sandstone
140	145	Rock Red Sandstone
145	200	Red Sandstone
200	275	Brown Rock Sandstone
275	280	Gray & Black Clay

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## STATE OF TEXAS WELL REPORT for Tracking #342989

Owner: **Mary Beth Meier**

Owner Well #: **1**

Address: **349 Scenic Ridge Dr  
Spicewood, TX 78669**

Grid #: **57-39-6**

Well Location: **Mary Beth  
TX**

Latitude: **30° 26' 47" N**

Longitude: **098° 08' 24" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/5/2013**

Drilling End Date: **8/5/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>395</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 235,230,30,20**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 2 GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>315-375</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G.** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>24</b>	<b>Tan Limestone</b>
<b>24</b>	<b>165</b>	<b>Gray Tan Limestone</b>
<b>165</b>	<b>175</b>	<b>Gray Sand</b>
<b>175</b>	<b>258</b>	<b>Red Clay w/ Sand</b>
<b>258</b>	<b>315</b>	<b>Tan Limestone</b>
<b>315</b>	<b>336</b>	<b>Red Sandstone</b>
<b>336</b>	<b>375</b>	<b>Gravel</b>
<b>375</b>	<b>395</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5" (5OD)</b>	<b>New</b>	<b>PVC</b>	<b>+2 to 235 SDR 17</b>
<b>4.5" (5OD)</b>	<b>Slotted</b>	<b>235 to 255</b>	<b>.035</b>
<b>4.5" (5OD)</b>	<b>New</b>	<b>PVC</b>	<b>255 to 335 SDR 17</b>
<b>4.5" (5OD)</b>	<b>Slotted</b>	<b>335 to 375</b>	<b>.035</b>
<b>4.5" (5OD)</b>	<b>New</b>	<b>PVC</b>	<b>375 to 395 SDR 17</b>

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## STATE OF TEXAS WELL REPORT for Tracking #342990

Owner: **Mary Beth Meier**

Owner Well #: **2**

Address: **349 Scenic Ridge Dr  
Spicewood, TX 78669**

Grid #: **57-39-6**

Well Location: **Mary Beth  
TX**

Latitude: **30° 26' 47" N**

Longitude: **098° 08' 15" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/7/2013**

Drilling End Date: **8/7/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>401</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Unknown**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Distance to Property Line (ft.): **No Data**

Sealed By: **Unknown**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G.** License Number: **54516**

Comments: **Backfill**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
000-001		Topsoil
001-028		Tan Limestone
028-205		Gray Limestone w/ Clay
205-248		Red Clay-Sand
248-350		Tan Limestone
350-395		Red Sandstone
395-398		Red Sandstone Gravel
398-401		Tan Clay
DRY-Backfill		

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5"	(5OD)	New PVC	+2 to 235 SDR 17
4.5"	(5OD)	Slotted	235 to 255 .035
4.5"	(5OD)	New PVC	255 to 335 SDR 17
4.5"	(5OD)	Slotted	335 to 375 .035
4.5"	(5OD)	New PVC	375 to 395 SDR 17

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## STATE OF TEXAS WELL REPORT for Tracking #343517

Owner: **Zolton Papp**

Owner Well #: **No Data**

Address: **3713 Bee Creek  
Spicewood, TX 78669**

Grid #: **57-39-6**

Well Location: **12804 S Hwy 71  
Spicewood, TX 78669**

Latitude: **30° 25' 32" N**

Longitude: **098° 07' 48" W**

Well County: **Blanco**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **9/19/2013**

Drilling End Date: **9/19/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>297</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 port</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **APEX Drillin Inc.**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap 210,205,30,20**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 4.5 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>211-277</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G.** License Number: **54516**

Comments: **Amended at driller's request (well location address and county). Unable to utilize amendment request system - 10/31/13 - DT**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>18</b>	<b>Tan Limestone</b>
<b>18</b>	<b>36</b>	<b>Gray Tan Limestone</b>
<b>36</b>	<b>105</b>	<b>Red Limestone w/ Sand</b>
<b>105</b>	<b>135</b>	<b>White Limestone</b>
<b>135</b>	<b>157</b>	<b>Gray Tan Limestone</b>
<b>157</b>	<b>194</b>	<b>Gray Clay</b>
<b>194</b>	<b>211</b>	<b>Red Sandstone</b>
<b>211</b>	<b>277</b>	<b>Gravel H2o</b>
<b>277</b>	<b>297</b>	<b>Tan Clay</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>4.5 (5OD)</b>	<b>New</b>	<b>PVC +2 to 217</b>	<b>SDR 17</b>
<b>4.5 (5OD)</b>	<b>Slotted</b>	<b>217 to 277</b>	<b>.035</b>
<b>4.5 (5OD)</b>	<b>New</b>	<b>PVC 277 to 297</b>	<b>SDR 17</b>

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## STATE OF TEXAS WELL REPORT for Tracking #343750

Owner:	<b>Julie Queenson</b>	Owner Well #:	<b>2</b>
Address:	<b>2601 Fall Creek Estates Dr. Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>2601 Fall Creek Estates Dr. Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 36" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 44" W</b>
		Elevation:	<b>839 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/23/2013**      Drilling End Date: **8/23/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>260</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>260</b>	<b>Gravel</b>	<b>3/8"</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>5</b>	<b>2 cement</b>
	<b>5</b>	<b>50</b>	<b>16 bentonite</b>

Seal Method: **slurry and pour**

Sealed By: **Steve Stewart**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **202 ft. below land surface on 2013-08-29**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**      Pump Depth (ft.): **240**

Well Tests: **Pump**      **Yield: 7 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair** License Number: **54416**

Apprentice Name: **Steve Stewart**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	6	topsoil
6	16	pink limestone
16	55	white limestone (hard)
55	110	gray limestone
110	140	gray shale
140	145	brown shale
145	175	brown & red shale w/ white rock
175	195	red shale w/ tan rock
195	248	lost circulation firm rock
248	260	lost circulation clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	new	sdr-17	0 180
4.5	new	perf	180 260



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## STATE OF TEXAS WELL REPORT for Tracking #350471

Owner: **Mike Delamore**

Owner Well #: **No Data**

Address: **1313 Majesctic Hill Blvd  
Spicewood, TX 78669**

Grid #: **57-40-4**

Well Location: **1117 Starlight Canyon Ct.  
Spicewood, TX 78669**

Latitude: **30° 27' 16" N**

Longitude: **098° 06' 22" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/25/2013**

Drilling End Date: **10/25/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>300</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 port</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 215,210,105,20**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 2-3 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
216-279	L Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G** License Number: **54516**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	8	Tan Limestone
8	8	Gray Tan Limestone
8	81	Tan Limestone w/Sand
81	111	Red Sandstone w/ clay
111	127	Tan Limestone
127	164	Gray Tan Limestone
164	196	Gray Clay
196	216	Red Sandstone
216	224	Gravel H2o
224	236	Red Sandstone
236	279	Gravel H2o
279	300	Tan Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5"	(5OD)	New PVC	+2 to 225 SDR 17
4.5"	(5OD)	New Slotted	225 to 285 .035
4.5"	(5OD)	New PVC	285 to 300 SDR 17

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #352933

Owner:	<b>Russell Griffen &amp; Ray Windsor</b>	Owner Well #:	<b>No Data</b>
Address:	<b>4507 Navajo Path Austin, TX 78745</b>	Grid #:	<b>57-40-1</b>
Well Location:	<b>Lot 16 ( Oak Rd ) Shady Creek Ranches Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 47" N</b>
		Longitude:	<b>098° 07' 10.23" W</b>
Well County:	<b>Burnet</b>	Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/20/2005**      Drilling End Date: **8/20/2005**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>170</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>20</b>	<b>4 portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 104,100,20**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 4-5 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
104-145	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

**Report Amended on 3/17/2025 by Request #44641**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	8	Tan Limestone
8	30	Gray Sandstone
30	37	Tan-White Limestone
37	75	Gray Clay
75	104	Red Sandstone w/ Clay
104	108	Gravel
108	117	Sandy Clay
117	145	Gravel H2o
145	165	Tan Clay
165	170	Blue Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5"	(5OD)	New PVC	+2 to 170 SDR17

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## STATE OF TEXAS WELL REPORT for Tracking #352968

Owner: **Jairo Lopez**  
Address: **1113 Ave. D  
Marble Falls, TX 78611**  
Well Location: **12649 St Hwy 71  
Spicewood, TX 78669**  
Well County: **Blanco**

Owner Well #: **No Data**  
Grid #: **57-39-6**  
Latitude: **30° 25' 26" N**  
Longitude: **098° 07' 54" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **1/13/2014**

Drilling End Date: **1/13/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>230</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>4 portland</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 150,140,30,20**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 3 GPM**



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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>163-210</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling Inc.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Michael G Becker P.G** License Number: **54516**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>12</b>	<b>Black Dirt</b>
<b>12</b>	<b>18</b>	<b>Tan Limestone w Sand</b>
<b>18</b>	<b>35</b>	<b>Red Clay</b>
<b>35</b>	<b>43</b>	<b>Tan White Limestone w / Clay</b>
<b>43</b>	<b>83</b>	<b>Tan White Limestone</b>
<b>83</b>	<b>85</b>	<b>Gray Tan Limestone</b>
<b>85</b>	<b>125</b>	<b>Gray Clay</b>
<b>125</b>	<b>163</b>	<b>Red Sandstone</b>
<b>163</b>	<b>210</b>	<b>Gravel H2o</b>
<b>210</b>	<b>212</b>	<b>Turquoise Clay</b>
<b>212</b>	<b>230</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5"</b>	<b>(5OD)</b>	<b>New PVC</b>	<b>+2 to 150 SDR17</b>
<b>4.5"</b>	<b>(5OD)</b>	<b>New Slotted</b>	<b>150 to 210 .035</b>
<b>4.5"</b>	<b>(5OD)</b>	<b>New PVC</b>	<b>210 to 230 SDR17</b>

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## STATE OF TEXAS WELL REPORT for Tracking #356159

Owner:	<b>Bart Jones</b>	Owner Well #:	<b>1</b>
Address:	<b>25630 Cliff Crossing Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25630 Cliff Crossing Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 20" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 23" W</b>
		Elevation:	<b>731 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **2/21/2014**      Drilling End Date: **2/24/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.5</b>	<b>0</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>140</b>	<b>200</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>140</b>	<b>10bns/7hlp/3tyH</b>

Seal Method: **Pos. Displacement**

Distance to Property Line (ft.): **20**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **6**

Variance Number: **032-14**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Unknown**

Water Level: **112 ft. below land surface on 2014-02-24**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 15-18 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>140/200</b>	<b>Good</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**P.O. Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Apprentice Name: **Travis Haffelder**

Comments: **TDS 650  
Variance 032-14**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>6</b>	<b>White Limestone Hard</b>
<b>6</b>	<b>7</b>	<b>Brown Limestone</b>
<b>7</b>	<b>15</b>	<b>Brown White Limestone Hard</b>
<b>15</b>	<b>17</b>	<b>Brown Sandstone</b>
<b>17</b>	<b>32</b>	<b>Gray Limestone</b>
<b>32</b>	<b>55</b>	<b>Gray Limestone</b>
<b>55</b>	<b>60</b>	<b>Gray Shale</b>
<b>60</b>	<b>62</b>	<b>Brown Sandstone</b>
<b>62</b>	<b>80</b>	<b>Gray Limestone</b>
<b>80</b>	<b>90</b>	<b>Red Sandstone Damp</b>
<b>90</b>	<b>92</b>	<b>Blue Shale Gravel</b>
<b>92</b>	<b>120</b>	<b>Red Sandstone</b>
<b>120</b>	<b>140</b>	<b>Gravel Red Sandstone</b>
<b>140</b>	<b>198</b>	<b>Gravel &amp; Rock</b>
<b>198</b>	<b>200</b>	<b>Blue Shale Clay</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>4.5</b>	<b>New</b>	<b>PVC-SDR 171B</b>	<b>+2'/140'</b>
<b>4.5</b>	<b>PVC-17</b>	<b>Slotted .035</b>	<b>140'/200'</b>

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## STATE OF TEXAS WELL REPORT for Tracking #365692

Owner:	<b>John Morgan</b>	Owner Well #:	<b>No Data</b>
Address:	<b>25222 River Rd. Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25116 River Rd. Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 17" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 54" W</b>
		Elevation:	<b>755 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/15/2014**      Drilling End Date: **4/16/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>8</b>	<b>10</b>	<b>225</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>225</b>	<b>Gravel</b>	<b>3/8"</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>26 cement</b>

Seal Method: **pressure cemented**

Sealed By: **Steve Stewart**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **153 ft. below land surface on 2014-04-16**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **not set yet**

Well Tests: **Jetted**      **Yield: 15 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair**

License Number: **54416**

Comments: **Amended 7/7/14 Ref.# 12071**

**Report Amended on by Request #12071**

**Report Amended on by Request #12073**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	4	topsoil
4	12	tan caliche
12	40	tan limestone
40	100	gray limestone
100	130	red & gray clay
130	155	Trinity gravel wb
155	198	sandstone & gravel wb 15 gpm
198	225	yellow clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	new	sdr-17	0 120
4.5	new	perf	120 200
4.5	new	sdr-17	200 225

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## STATE OF TEXAS WELL REPORT for Tracking #365693

Owner:	<b>John Morgan</b>	Owner Well #:	<b>No Data</b>
Address:	<b>25222 River Rd. Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25228 River Rd. Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 25" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 56" W</b>
		Elevation:	<b>774 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/16/2014**      Drilling End Date: **4/16/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>210</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>210</b>	<b>Gravel</b>	<b>3/8"</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>21 cement</b>

Seal Method: **pressure cemented**

Sealed By: **Steve Stewart**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **147 ft. below land surface on 2014-04-17**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**      Pump Depth (ft.): **200**

Well Tests: **Jetted**      Yield: **10 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair**

License Number: **54416**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>6</b>	<b>tan limestone</b>
<b>6</b>	<b>35</b>	<b>hard white rock</b>
<b>35</b>	<b>40</b>	<b>yellow limestone</b>
<b>40</b>	<b>70</b>	<b>gray limestone</b>
<b>70</b>	<b>100</b>	<b>gray clay</b>
<b>100</b>	<b>130</b>	<b>red clay</b>
<b>130</b>	<b>145</b>	<b>red clay &amp; gravel</b>
<b>145</b>	<b>200</b>	<b>red &amp; tan trinity gravel wb 10 gpm</b>
<b>200</b>	<b>210</b>	<b>yellow clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>new</b>	<b>sdr-17</b>	<b>0 120</b>
<b>4.5</b>	<b>new</b>	<b>perf</b>	<b>120 200</b>
<b>4.5</b>	<b>new</b>	<b>sdr-17</b>	<b>200 210</b>

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## STATE OF TEXAS WELL REPORT for Tracking #365694

Owner:	<b>John Morgan</b>	Owner Well #:	<b>No Data</b>
Address:	<b>25222 River Rd. Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25222 River Rd. Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 24" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 57" W</b>
		Elevation:	<b>774 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/16/2014**      Drilling End Date: **4/16/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>210</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>210</b>	<b>Gravel</b>	<b>3/8"</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>25 cement</b>

Seal Method: **pressure cementing**

Sealed By: **Steve Stewart**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **149 ft. below land surface on 2014-04-17**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**      Pump Depth (ft.): **200**

Well Tests: **Jetted**      Yield: **10 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair** License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>6</b>	<b>topsoil</b>
<b>6</b>	<b>10</b>	<b>white limestone</b>
<b>10</b>	<b>48</b>	<b>hard white rock</b>
<b>48</b>	<b>60</b>	<b>gray limestone</b>
<b>60</b>	<b>105</b>	<b>gray clay</b>
<b>105</b>	<b>125</b>	<b>red clay</b>
<b>125</b>	<b>145</b>	<b>gravel &amp; clay</b>
<b>145</b>	<b>200</b>	<b>sandstone &amp; gravel wb 10 gpm</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>new</b>	<b>sdr-17</b>	<b>0 120</b>
<b>4.5</b>	<b>new</b>	<b>perf</b>	<b>120 200</b>
<b>4.5</b>	<b>new</b>	<b>sdr-17</b>	<b>200 210</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #366269

Owner:	<b>Terry Neiman</b>	Owner Well #:	<b>No Data</b>
Address:	<b>PO Box 4007 Horseshoe Bay, TX 78657</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25264 Kahala Sunset Court Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 11" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 27" W</b>
		Elevation:	<b>771 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **6/2/2014**

Drilling End Date: **6/4/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>240</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>154</b>	<b>240</b>	<b>Gravel</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>154</b>	<b>2 3/8hp12bs2ptl</b>

Seal Method: **Pos. displacement**

Distance to Property Line (ft.): **15**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Variance Number: **064-14**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **160 ft. below land surface on 2014-06-02** Measurement Method: **Unknown**

Packers: **Gravel Pack**

Type of Pump: **Submersible** Pump Depth (ft.): **200**

Well Tests: **Jetted** Yield: **10-15 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>140-240</b>	<b>Good TDS 470</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**PO Box 525  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Apprentice Name: **Travis Haffelder**

Apprentice Number: **58603**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>3</b>	<b>Red tan sandstone</b>
<b>3</b>	<b>4</b>	<b>White limestone</b>
<b>4</b>	<b>10</b>	<b>Brown tan limestone sandstone</b>
<b>10</b>	<b>21</b>	<b>Red tan sand clay</b>
<b>21</b>	<b>24</b>	<b>White limestone</b>
<b>24</b>	<b>44</b>	<b>White brown sandstone</b>
<b>44</b>	<b>51</b>	<b>Brown sandstone</b>
<b>51</b>	<b>85</b>	<b>Gray limestone</b>
<b>85</b>	<b>90</b>	<b>Gray shale</b>
<b>90</b>	<b>95</b>	<b>Red gray shale</b>
<b>95</b>	<b>113</b>	<b>Gray sandstone</b>
<b>113</b>	<b>130</b>	<b>Red sandstone</b>
<b>130</b>	<b>230</b>	<b>Brown sandstone rock</b>
<b>230</b>	<b>240</b>	<b>Blue brown shale</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>4.5</b>	<b>New</b>	<b>PVC-SDR 17IB</b>	<b>+2 to 160</b>
<b>4.5</b>	<b>New</b>	<b>PVC-17 Slotted .035</b>	<b>160 to 220</b>
<b>4.5</b>	<b>New</b>	<b>PVC-SDR 17IB</b>	<b>220 to 240</b>

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## STATE OF TEXAS WELL REPORT for Tracking #369054

Owner:	Holzapfel	Owner Well #:	No Data
Address:	26804 masters parkway spicewood, TX 78669	Grid #:	57-40-4
Well Location:	26804 masters parkway spicewood, TX 78669	Latitude:	30° 27' 01" N
Well County:	Travis	Longitude:	098° 05' 01" W
		Elevation:	No Data
			<b>**Plugged Within 48 Hours**</b>

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #147051**

Type of Work:	New Well	Proposed Use:	Closed-Loop Geothermal
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Drilling Start Date: **5/17/2014**      Drilling End Date: **5/23/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>4.5</b>	<b>0</b>	<b>250</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>20</b>	<b>250</b>	<b>Gravel</b>	<b>3/8</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>3 bentonite</b>

Seal Method: **Poured**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **owner**

Surface Completion: **Alternative Procedure Used**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Sarris well Drilling**  
**p o box**  
**austin, TX 78760**

Driller Name: **Anthony Sarris** License Number: **58870**

Comments: **drilled 5 new geothermal closed loop wells 0-250**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>From (ft)</i>	<i>To (ft)</i>	<i>Description</i>
<b>0-3</b>	<b>ft</b>	<b>clay</b>
<b>3- 250</b>		<b>rock and limestone</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>one inch</b>	<b>new</b>	<b>polyethylene pipe</b>	<b>0 -250</b>

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## STATE OF TEXAS WELL REPORT for Tracking #379880

Owner:	<b>Paul Motheral</b>	Owner Well #:	<b>No Data</b>
Address:	<b>26100 Country Side Dr Spicewood, TX 78669</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>1116 Saddlebrook Canyon Ct Spicewood, TX 78669</b>	Latitude:	<b>30° 27' 19" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 05" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/15/2014**      Drilling End Date: **8/15/2014**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>8</b>	<b>0</b>	<b>70</b>
	<b>6.25</b>	<b>70</b>	<b>145</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>60</b>	<b>3ben 1 port</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **5+**

Distance to Septic Field or other  
concentrated contamination (ft.): **50+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 60**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 16 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
60-117	M Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling INC.**

**P O Box 867  
Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	16	Tan Limestone
16	18	Gray Tan Limestone
18	58	Tan Limestone
58	60	Red Clay
60	72	Red Tan Sandstone
72	76	Sand
76	82	Red Tan Sandstone
82	103	Tan Limestone w Red Clay
103	117	Tan White Limestone
117	144	Gray Limestone
144	145	Gray Limestone w Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5"	( 5OD )	New PVC	+2' to 65' SDR17
4.5"	( 5OD )	New Slotted	65' to 85' .035
4.5"	( 5OD )	New PVC	85' to 105' SDR17
4.5"	( 5OD )	New Slotted	105' to 125' .035
4.5"	( 5OD )	New PVC	125' to 145' SDR17

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# STATE OF TEXAS WELL REPORT for Tracking #380214

Owner: **Aqua Texas Inc.**

Owner Well #: **1**

Address: **1106 Clayton Lane, Suite 400W  
Austin, TX 78723**

Grid #: **57-40-4**

Well Location: **Barton Creek  
TX**

Latitude: **30° 27' 20" N**

Longitude: **098° 06' 15" W**

Well County: **Travis**

Elevation: **No Data**

**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #97872**

Type of Work: **New Well**

Proposed Use: **Test Well**

Drilling Start Date: **9/15/2014**

Drilling End Date: **9/15/2014**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>20</b>
<b>6.25</b>	<b>20</b>	<b>320</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Plugged**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>320</b>	<b>18 Benseal</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 2.6 GPM**

Plug Information:

<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>None 320 3 18 Benseal</b>		
<b>3 0 1 Portland</b>		

Water Quality:

Strata Depth (ft.)	Water Type
110-271	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling INC.**

**P O Box 867  
Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	9	Tan Limestone
9	41	Gray Tan Limestone
41	55	Tan Limestone w Sand
55	110	Red Sandstone w Clay
110	122	Tan White Limestone H2o 1.6gpm
122	153	Gray Tan Limestone
153	195	Gray Clay ( Hammet )
170	271	Torques Clay
195	220	Red Sandstone
220	225	Gravel
225	270	Red Sandstone & Gravel H2o 1gpm
271	295	Tan Clay
295	320	Gray Clay ( Smithwick )

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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# STATE OF TEXAS WELL REPORT for Tracking #380217

Owner: **Aqua Texas Inc.**

Owner Well #: **2**

Address: **1106 Clayton Lane, Suite 400W  
Austin, TX 78723**

Grid #: **57-40-4**

Well Location: **Barton Creek  
TX**

Latitude: **30° 27' 13" N**

Longitude: **098° 06' 09" W**

Well County: **Travis**

Elevation: **No Data**

**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #97873**

Type of Work: **New Well**

Proposed Use: **Test Well**

Drilling Start Date: **9/16/2014**

Drilling End Date: **9/16/2014**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>20</b>
<b>6.25</b>	<b>20</b>	<b>263</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Plugged**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>263</b>	<b>14 Benseal</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 7.3 GPM**

Plug Information:

<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>None 263 3 14 Benseal</b>		
<b>3 0 1 Portland</b>		

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>55-223</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling INC.**

**P O Box 867  
Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Top Soil</b>
<b>2</b>	<b>33</b>	<b>Tan Red Sandstone w Clay</b>
<b>33</b>	<b>42</b>	<b>Red Clay</b>
<b>42</b>	<b>55</b>	<b>Red Clay Tan Limestone</b>
<b>55</b>	<b>80</b>	<b>Tan White Limestone 4gpm</b>
<b>80</b>	<b>107</b>	<b>Gray Tan Limestone</b>
<b>107</b>	<b>140</b>	<b>Gray Clay</b>
<b>140</b>	<b>179</b>	<b>Red Sandstone</b>
<b>179</b>	<b>193</b>	<b>Red Sandstone w gravel</b>
<b>193</b>	<b>223</b>	<b>Gravel 3.3gpm</b>
<b>223</b>	<b>225</b>	<b>Turquoise Clay</b>
<b>225</b>	<b>258</b>	<b>Tan Clay</b>
<b>258</b>	<b>263</b>	<b>Gray Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #389265

Owner: **Mark Shank**

Owner Well #: **No Data**

Address: **3405 Wendy Lane  
Dallas, TX 75214**

Grid #: **57-40-4**

Well Location: **25515 Red Brangus Rd  
Spicewood, TX 78669**

Latitude: **30° 25' 46" N**

Longitude: **098° 05' 42" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **2/19/2015**

Drilling End Date: **2/19/2015**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>15</b>
	<b>6.25</b>	<b>15</b>	<b>245</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Not Applicable**

Sealed By: **Unknown**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Land Owner**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

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Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **Unknown**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **APEX Drilling INC.**  
**P O Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
000-001		Top Soil
001-+016		Tan LS
016-036		Gray Tan LS
036-071		Gray Clay
071-098		Red SS
098-118		Gravel
118-147		Red SS
147-168		Tan Clay
168-177		Gray Clay
177-198		Red Tan Clay
198-238		Tan Gray Green Clay
238-245		Blue Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #394995

Owner:	Tom Etheredge	Owner Well #:	No Data
Address:	500 Paleface Ranch Rd. S. Spicewood, TX 78669	Grid #:	57-40-4
Well Location:	500 Paleface Ranch Rd. S. Spicewood, TX 78669	Latitude:	30° 26' 14" N
Well County:	Travis	Longitude:	098° 06' 25" W
		Elevation:	817 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **3/24/2015**      Drilling End Date: **3/24/2015**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	10	0	9
	8.5	9	225

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	90	225	Gravel	3/8"

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	40	6 cement
	40	90	4 bentonite

Seal Method: **slurried & poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Derek Scott**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level:	145 ft. below land surface on <b>No Data</b>	Measurement Method:	<b>Unknown</b>
Packers:	<b>No Data</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>195</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>15 GPM</b>

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair** License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>5</b>	<b>topsoil</b>
<b>5</b>	<b>15</b>	<b>tan limestone &amp; clay</b>
<b>15</b>	<b>20</b>	<b>red clay</b>
<b>20</b>	<b>70</b>	<b>tan sandstone</b>
<b>70</b>	<b>110</b>	<b>clay</b>
<b>110</b>	<b>140</b>	<b>red sandstone &amp; clay</b>
<b>140</b>	<b>190</b>	<b>trinity mix w/ gravel wb</b>
<b>190</b>	<b>225</b>	<b>red clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>new</b>	<b>sdr-17</b>	<b>0 225</b>
<b>perf</b>	<b>140 - 200</b>		

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## STATE OF TEXAS WELL REPORT for Tracking #400260

Owner:	<b>Mark Cleveland</b>	Owner Well #:	<b>No Data</b>
Address:	<b>25205 Pedernales Canyon Trail Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>25215 Pedernales Canyon Trail Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 00" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 28" W</b>
		Elevation:	<b>766 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **6/17/2015**      Drilling End Date: **6/18/2015**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>9</b>
	<b>8.5</b>	<b>9</b>	<b>210</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>100</b>	<b>210</b>	<b>Gravel</b>	<b>3/8"</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>15</b>	<b>3 cement</b>
	<b>15</b>	<b>100</b>	<b>14 bentonite</b>

Seal Method: **pressure cemented**

Distance to Property Line (ft.): **No Data**

Sealed By: **Derek Scott**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level:	<b>96 ft. below land surface on No Data</b>	Measurement Method:	<b>Unknown</b>
Packers:	<b>No Data</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>180</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>2 GPM</b>

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair** License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>topsoil</b>
<b>3</b>	<b>30</b>	<b>tan limestone</b>
<b>30</b>	<b>70</b>	<b>gray limestone w/ shale</b>
<b>70</b>	<b>100</b>	<b>brown limestone</b>
<b>100</b>	<b>170</b>	<b>red sandstone &amp; gravel wb 2 gpm 1000tds</b>
<b>170</b>	<b>190</b>	<b>red sandstone &amp; clay</b>
<b>190</b>	<b>210</b>	<b>gray clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>new</b>	<b>sdr-17 0 210 perf</b>	<b>130-210</b>

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# STATE OF TEXAS WELL REPORT for Tracking #400701

Owner: **Aqua Texas** Owner Well #: **BCLakesideTW**  
Address: **3209 Hillbilly Ln** Grid #: **57-40-1**  
**Austin, TX 78669**  
Well Location: **26413 Sailpoint Ct.** Latitude: **30° 27' 41" N**  
**Spicewood, TX 78669** Longitude: **098° 05' 26" W**  
Well County: **Travis** Elevation: **765 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #151258**

Type of Work: **New Well**

Proposed Use: **Test Well**

Drilling Start Date: **7/21/2015** Drilling End Date: **7/28/2015**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>420</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Plugged**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>-1</b>	<b>15</b>	<b>3 Cement</b>
	<b>15</b>	<b>420</b>	<b>53 Bentonite</b>

Seal Method: **Pos. Displacement**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Unknown**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 15 GPM**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>-1 to 15 3 Cement</b>		
	<b>15-420 53 Bentonite</b>		

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>120/180</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**PO Box 525  
Dripping Springs, TX 78620**

Driller Name: **Brice Bormann**

License Number: **54855**

Apprentice Name: **Tyler Loman**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>1</b>	<b>25</b>	<b>Gray Limestone</b>
<b>25</b>	<b>50</b>	<b>Tan Limestone</b>
<b>50</b>	<b>80</b>	<b>Shale</b>
<b>80</b>	<b>120</b>	<b>Brown Limestone</b>
<b>120</b>	<b>180</b>	<b>Gravel</b>
<b>180</b>	<b>420</b>	<b>Shale</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #401733

Owner: **Amelia Bryant** Owner Well #: **TW#1**  
Address: **1400 CR 420** Grid #: **57-40-1**  
**Spicewood, TX 78669**  
Well Location: **1400 CR 420** Latitude: **30° 27' 58" N**  
**Spicewood, TX 78669** Longitude: **098° 06' 20" W**  
Well County: **Burnet** Elevation: **854 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #151478**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **7/10/2015** Drilling End Date: **7/10/2015**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.875</b>	<b>0</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Pour**

Distance to Property Line (ft.): **51**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Unknown**

Water Level: **0 ft. below land surface on 2015-07-10** Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	<i>Description (number of sacks &amp; material)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Plug Information:	<b>2 to 200 Backfill Cutting</b>		
	<b>0 to 2 2 Portland cement</b>		

---

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

---

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**  
**PO Box 525**  
**Dripping Springs, TX 78620**

Driller Name: **Martin Lingle** License Number: **54813**

Comments: **No Data**

**Report Amended on 11/30/2015 by Request #15252**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>0</b>	<b>Plug</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #402044

Owner:	<b>Amelia Bryant</b>	Owner Well #:	<b>Well#2</b>
Address:	<b>1400 CR 420 Spicewood, TX 78669</b>	Grid #:	<b>57-40-1</b>
Well Location:	<b>1400 CR 420 Spicewood, TX 78669</b>	Latitude:	<b>30° 28' 01.42" N</b>
Well County:	<b>Burnet</b>	Longitude:	<b>098° 06' 20.16" W</b>
		Elevation:	<b>779 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **7/2/2015**

Drilling End Date: **7/8/2015**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.875</b>	<b>0</b>	<b>180</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>60</b>	<b>10 cement</b>

Seal Method: **Pos Displacement**

Distance to Property Line (ft.): **51**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **114 ft. below land surface on 2015-07-06** Measurement Method: **Unknown**

Packers: **Shale Packer 65  
6Mil Poly 70  
Shale Packer 75  
6Mil Poly 80**

Type of Pump: **Submersible** Pump Depth (ft.): **160**

Well Tests: **Jetted** Yield: **.5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>60-180</b>	<b>Good TDS 600</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

**PO Box 525  
Dripping Springs, TX 78620**

Driller Name: **Brice Bormann**

License Number: **54855**

Apprentice Name: **Tyler Loman**

Comments: **No Data**

**Report Amended on 11/30/2015 by Request #15262**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>5</b>	<b>brown sandy loam</b>
<b>5</b>	<b>60</b>	<b>gray red sandstone shale</b>
<b>60</b>	<b>175</b>	<b>rock gravel sand</b>
<b>175</b>	<b>180</b>	<b>smith wick clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>4.5</b>	<b>New</b>	<b>PVC-SDR 171B</b>	<b>+2-140</b>
<b>4.5</b>	<b>New</b>	<b>PVC-17 Slotted</b>	<b>140-180 .032</b>

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## STATE OF TEXAS WELL REPORT for Tracking #414548

Owner:	<b>Luke Blair</b>	Owner Well #:	<b>1</b>
Address:	<b>5940 Lomita Verde Cir. Austin, TX 78749</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>26806 Hwy 71 W. Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 29.24" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 07' 26.55" W</b>
		Elevation:	<b>946 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **1/14/2016**      Drilling End Date: **1/14/2016**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>340</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>50</b>	<b>340</b>	<b>Gravel</b>	<b>3/8</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Cement 3 Bags/Sacks</b>
	<b>20</b>	<b>50</b>	<b>Bentonite 6 Bags/Sacks</b>

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **120 ft. below land surface on 2016-01-15**      Measurement Method: **Electric Line**

Packers: **No Data**

Type of Pump: **Submersible**

Pump Depth (ft.): **300**

Well Tests: **Jetted**      **Yield: 8 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair**

License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Topsoil and Loose Rock</b>
<b>2</b>	<b>6</b>	<b>Tan Clay</b>
<b>6</b>	<b>10</b>	<b>Tan Lime</b>
<b>10</b>	<b>60</b>	<b>Grey Lime</b>
<b>60</b>	<b>75</b>	<b>Grey Shale</b>
<b>75</b>	<b>110</b>	<b>Red/Grey Clay</b>
<b>110</b>	<b>190</b>	<b>Red and Tan Sand W/B 130-170 3GPM 450TDS</b>
<b>190</b>	<b>245</b>	<b>Grey Clay</b>
<b>245</b>	<b>320</b>	<b>Trinity Mix W/B 8GPM</b>
<b>320</b>	<b>340</b>	<b>Trinity Mix/Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>		<b>New Plastic (PVC)</b>	<b>SDR-17</b>	<b>-2</b>	<b>340</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>SDR-17</b>	<b>280</b>	<b>340</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #417990

Owner: **Luke Blair** Owner Well #: **1**  
Address: **PO Box 341659** Grid #: **57-40-7**  
**Austin, TX 78734**  
Well Location: **26601 Hwy 71 W** Latitude: **30° 24' 57.95" N**  
**Spicewood, TX 78669** Longitude: **098° 07' 26.43" W**  
Well County: **Travis** Elevation: **820 ft. above sea level**

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #158605**

Type of Work: **New Well**

Proposed Use: **Test Well**

Drilling Start Date: **2/2/2016**

Drilling End Date: **2/3/2016**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>80</b>	<b>220</b>	<b>Gravel</b>	<b>3/8"</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>2</b>	<b>Cement 2 Bags/Sacks</b>
	<b>2</b>	<b>80</b>	<b>Bentonite 10 Bags/Sacks</b>

Seal Method: **Poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **42 ft. below land surface on 2016-02-24** Measurement Method: **Electric Line**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Pump** **Yield: 1 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair**

License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>Topsoil</b>
<b>1</b>	<b>5</b>	<b>Tan Lime</b>
<b>5</b>	<b>10</b>	<b>Tan Lime and Red Clay</b>
<b>10</b>	<b>20</b>	<b>White Sandstone</b>
<b>20</b>	<b>40</b>	<b>Tan Lime</b>
<b>40</b>	<b>50</b>	<b>Grey and Tan Lime</b>
<b>50</b>	<b>85</b>	<b>Gray Clay</b>
<b>85</b>	<b>115</b>	<b>Gray Clay w/ Grey Sandstone</b>
<b>115</b>	<b>125</b>	<b>Red Clay</b>
<b>125</b>	<b>140</b>	<b>Trinity Mix, Fracs 130-140</b>
<b>140</b>	<b>150</b>	<b>Trinity Mix w/ Clay</b>
<b>150</b>	<b>170</b>	<b>Trinity Mix W/B</b>
<b>170</b>	<b>190</b>	<b>Gravel W/B</b>
<b>190</b>	<b>220</b>	<b>Red/Blue Clay</b>

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR-17</b>	<b>-2</b>	<b>120</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>SDR-17</b>	<b>120</b>	<b>220</b>

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #421110

Owner:	<b>Eric Debner</b>	Owner Well #:	<b>No Data</b>
Address:	<b>600 Twisted Oaks Horseshoe Bay , TX 78657</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>25583 Pedernales Pt Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 57" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 37" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/15/2016**      Drilling End Date: **4/15/2016**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>85</b>
	<b>6.25</b>	<b>85</b>	<b>187</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>5</b>	<b>Portland 2 Bags/Sacks</b>
	<b>5</b>	<b>85</b>	<b>Benseal 6 Bags/Sacks</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **50+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**      **Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 85 ft.  
Burlap/Neoprene at 90 ft.**

Type of Pump: **No Data**

Well Tests: **Pump**      **Yield: 5 1/2 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
85 - 167	Trinity - TDS 920

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

**The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **No Data**

**Report Amended on 3/9/2023 by Request #38895**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	45	Tan White LS
45	52	Gray LS w/ Clay
52	85	Gray Clay
85	145	Red SS
145	167	Gravel
167	187	Tan Clay

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17	2	107
4.5	Screen	New Plastic (PVC)	.035	107	167
4.5	Blank	New Plastic (PVC)	SDR17	167	187



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## STATE OF TEXAS WELL REPORT for Tracking #425170

Owner:	<b>Tyler O'Brian</b>	Owner Well #:	<b>No Data</b>
Address:	<b>P O Box 634 Spicewood , TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>3200 Fall Creek Estates Dr Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 16" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 49" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **6/21/2016**      Drilling End Date: **6/21/2016**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>8</b>	<b>0</b>	<b>15</b>
	<b>6.25</b>	<b>15</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**      **Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap / Neoprene at 20 ft.  
Burlap / Neoprene at 30 ft.  
Burlap / Neoprene at 115 ft.  
Burlap / Neoprene at 120 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 2 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
120 - 200	Trinity - TDS 740

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	10	Tan LS Red Clay
10	32	Tan White LS
32	67	Gray Tan LS
67	112	Gray Clay
112	120	Red SS
120	125	Gravel
125	157	Red SS
157	200	Gravel
200	201	Turquoise Clay
201	220	Tan Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17	2	140
4.5	Screen	New Plastic (PVC)	.035	140	200
4.5	Blank	New Plastic (PVC)	SDR17	200	220

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## STATE OF TEXAS WELL REPORT for Tracking #438698

Owner: **Paul D. & Cynthia G. Jones**

Owner Well #: **No Data**

Address: **1229 CR 420  
Spicewood, TX 78669**

Grid #: **57-40-1**

Well Location: **1229 CR 420  
Spicewood, TX 78669**

Latitude: **30° 27' 54" N**

Longitude: **098° 06' 21" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/20/2016**

Drilling End Date: **10/20/2016**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>15</b>
	<b>6.25</b>	<b>15</b>	<b>180</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 30 ft.  
Burlap/Neoprene at 85 ft.  
Burlap/Neoprene at 90 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 2.5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>85 - 160</b>	<b>Trinity - TDS 600</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>20</b>	<b>Tan Red LS</b>
<b>20</b>	<b>52</b>	<b>Gray LS</b>
<b>52</b>	<b>58</b>	<b>Gray Clay</b>
<b>58</b>	<b>160</b>	<b>Red SS</b>
<b>160</b>	<b>161</b>	<b>Tortoise Clay</b>
<b>161</b>	<b>180</b>	<b>Tan Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>100</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>100</b>	<b>160</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>160</b>	<b>180</b>

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## STATE OF TEXAS WELL REPORT for Tracking #447531

Owner: **Tyler O'Brian**

Owner Well #: **1**

Address: **P O Box 634  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **3200 Fall Creek Estate Dr  
Spicewood, TX 78611**

Latitude: **30° 24' 13" N**

Longitude: **098° 06' 52" W**

Well County: **Travis**

Elevation: **No Data**

Number of Wells Drilled: **2**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **3/6/2017**

Drilling End Date: **3/6/2017**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>18</b>
<b>6.25</b>	<b>18</b>	<b>205</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Back Filled 2' Cement Cap ( DRY )**

Annular Seal Data: **No Data**

Seal Method: **Unknown**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Unknown**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **DRY Hole**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>3</b>	<b>Tan LS Red Clay</b>
<b>3</b>	<b>29</b>	<b>Tan White LS</b>
<b>29</b>	<b>54</b>	<b>Gray Tan LS</b>
<b>54</b>	<b>104</b>	<b>Gray LS w/ Clay</b>
<b>104</b>	<b>115</b>	<b>Red SS</b>
<b>115</b>	<b>125</b>	<b>Gravel</b>
<b>125</b>	<b>135</b>	<b>Red SS</b>
<b>135</b>	<b>200</b>	<b>Gravel</b>
<b>200</b>	<b>202</b>	<b>Turquoise Clay</b>
<b>202</b>	<b>205</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			



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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #447537

Owner:	<b>Tyler O'Brain</b>	Owner Well #:	<b>2</b>
Address:	<b>P O Box 634 Spicewood , TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>3200 Fall Creek Estate Dr Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 15" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 49" W</b>
Number of Wells Drilled:	<b>2</b>	Elevation:	<b>No Data</b>

Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>
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Drilling Start Date: **3/7/2017**      Drilling End Date: **3/7/2017**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>8</b>	<b>0</b>	<b>50</b>
	<b>6.25</b>	<b>50</b>	<b>210</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>30</b>	<b>2 Benseal 1 Portland 3 Bags/Sacks</b>

Seal Method: **Pressure Tremie**

Sealed By: **Driller**

Distance to Property Line (ft.): **10**

Distance to Septic Field or other  
concentrated contamination (ft.): **50+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion:	<b>Surface Sleeve Installed</b>	<b>Surface Completion by Driller</b>
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Water Level: **No Data**

Packers: **Burlap/Neoprene at 30 ft.  
Burlap/Neoprene at 155 ft.  
Burlap/Neoprene at 158 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 3.5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>30 - 190</b>	<b>Trinity - TDS 410</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>7</b>	<b>Tan LS w/ Red Clay</b>
<b>7</b>	<b>42</b>	<b>Tan White LS</b>
<b>42</b>	<b>65</b>	<b>Gray Tan LS</b>
<b>65</b>	<b>110</b>	<b>Gray LS w/ Clay</b>
<b>110</b>	<b>158</b>	<b>Red SS</b>
<b>158</b>	<b>190</b>	<b>Gravel</b>
<b>190</b>	<b>191</b>	<b>Turquoise Clay</b>
<b>191</b>	<b>210</b>	<b>Tan Clay</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>30</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>30</b>	<b>50</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>50</b>	<b>170</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>170</b>	<b>190</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>190</b>	<b>210</b>

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #454576

Owner: **Frank Marquez**

Owner Well #: **No Data**

Address: **P O Box 297  
Marble Falls, TX 78654**

Grid #: **57-40-7**

Well Location: **3221 Fall Creek Est. Dr  
Spicewood, TX 78669**

Latitude: **30° 24' 19" N**

Longitude: **098° 06' 42" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/22/2017**

Drilling End Date: **5/22/2017**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>15</b>
	<b>6.25</b>	<b>15</b>	<b>242</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **100**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 30 ft.  
Burlap/Neoprene at 140 ft.  
Burlap/Neoprene at 150 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 1 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>152 - 242</b>	<b>Trinity - TDS 810</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

**Report Amended on 7/21/2017 by Request #22259**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>17</b>	<b>Tan Red LS</b>
<b>17</b>	<b>45</b>	<b>Tan LS</b>
<b>45</b>	<b>71</b>	<b>Gray Tan LS</b>
<b>71</b>	<b>113</b>	<b>Gray LS w/ Clay</b>
<b>113</b>	<b>152</b>	<b>Red SS</b>
<b>152</b>	<b>162</b>	<b>Red SS w/ Gravel</b>
<b>162</b>	<b>206</b>	<b>Gravel</b>
<b>206</b>	<b>215</b>	<b>Chert</b>
<b>215</b>	<b>222</b>	<b>Sand</b>
<b>222</b>	<b>242</b>	<b>Tan Clay</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>162</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>162</b>	<b>222</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>222</b>	<b>242</b>

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #457629

Owner: **Kristin Bevis**

Owner Well #: **No Data**

Address: **P O Box 12992  
Austin , TX 78711**

Grid #: **57-40-4**

Well Location: **1320 Lakeshore Dr  
Spicewood, TX 78669**

Latitude: **30° 26' 42" N**

Longitude: **098° 05' 04" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/29/2017**

Drilling End Date: **6/29/2017**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>95</b>
	<b>6.25</b>	<b>95</b>	<b>205</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>95</b>	<b>6 Benseal 2 Portland 8 Bags/Sacks</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **20**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **50+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 95 ft.  
Burlap/Neoprene at 97 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 25 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
95 - 185	Trinity TDS-500

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	20	Tan LS
20	32	Gray Tan LS
32	64	Gray Clay
64	95	Red SS
95	185	Gravel
185	205	Tan Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17	2	125
4.5	Screen	New Plastic (PVC)	.035	125	185
4.5	Blank	New Plastic (PVC)	SDR17	185	205

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## STATE OF TEXAS WELL REPORT for Tracking #458570

Owner:	<b>Action Water Well Service ( Budde )</b>	Owner Well #:	<b>No Data</b>
Address:	<b>100 Spanish Oak Trail Spicewood , TX 78669</b>	Grid #:	<b>57-39-6</b>
Well Location:	<b>Fall Creek Est. Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 04" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 07' 40" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **6/23/2017**      Drilling End Date: **6/23/2017**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>8</b>	<b>0</b>	<b>15</b>
	<b>6.25</b>	<b>15</b>	<b>232</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **50**

Distance to Septic Field or other  
concentrated contamination (ft.): **50+**

Distance to Septic Tank (ft.): **100+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**      **Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 25 ft.  
Burlap/Neoprene at 45 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 5.5 GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>45 - 204</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>5</b>	<b>Tan Clay</b>
<b>5</b>	<b>32</b>	<b>Red Clay</b>
<b>32</b>	<b>45</b>	<b>Tan Red LS w/ Clay</b>
<b>45</b>	<b>72</b>	<b>Tan LS</b>
<b>72</b>	<b>118</b>	<b>Gray Tan LS</b>
<b>118</b>	<b>156</b>	<b>Red SS</b>
<b>156</b>	<b>204</b>	<b>Gravel</b>
<b>204</b>	<b>205</b>	<b>Turquoise Clay</b>
<b>205</b>	<b>232</b>	<b>Tan Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>52</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>52</b>	<b>72</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>72</b>	<b>172</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>172</b>	<b>212</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>212</b>	<b>232</b>

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## STATE OF TEXAS WELL REPORT for Tracking #474708

Owner:	<b>Brian Parker</b>	Owner Well #:	<b>No Data</b>
Address:	<b>1335 Lakeshore Dr. Spicewood, TX 78669</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>1335 Lakeshore Dr. Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 47.8" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 02.54" W</b>
		Elevation:	<b>708 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **3/3/2018**

Drilling End Date: **3/3/2018**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>10</b>	<b>0</b>	<b>8</b>
	<b>8.5</b>	<b>8</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	<b>100</b>	<b>200</b>	<b>Gravel</b>	<b>3/8"</b>

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>98</b>	<b>Cement 30 Bags/Sacks</b>
	<b>98</b>	<b>100</b>	<b>Bentonite 2 Bags/Sacks</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **40 ft. below land surface on 2018-03-07**

Packers: **No Data**

Type of Pump: **Submersible**

Pump Depth (ft.): **180**

Well Tests: **Jetted** **Yield: 50+ GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair**

License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>8</b>	<b>tan limestone</b>
<b>8</b>	<b>76</b>	<b>red clay and limestone</b>
<b>76</b>	<b>148</b>	<b>red sandstone &amp; rock</b>
<b>148</b>	<b>160</b>	<b>gray shale and clay</b>
<b>160</b>	<b>200</b>	<b>gray limestone &amp; sandstone w/ gravel layers</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>0</b>	<b>140</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>140</b>	<b>200</b>

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## STATE OF TEXAS WELL REPORT for Tracking #476156

Owner: **Mac ( David ) Lane**

Owner Well #: **No Data**

Address: **5204 Crystal Water Dr  
Austin , TX 78735**

Grid #: **57-40-5**

Well Location: **1215 Lakeshore Dr  
Spicewood, TX 78669**

Latitude: **30° 26' 29" N**

Longitude: **098° 04' 40" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **3/1/2018**

Drilling End Date: **3/1/2018**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>100</b>
	<b>6.25</b>	<b>100</b>	<b>185</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>7 Benseal 1 Portland 8 Bags/Sacks</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **5**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **50**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 100 ft.  
Burlap/Neoprene at 105 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 60 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>119 - 165</b>	<b>Trinity / TDS 600</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>7</b>	<b>Tan LS</b>
<b>7</b>	<b>15</b>	<b>Gravel</b>
<b>15</b>	<b>27</b>	<b>Tan LS</b>
<b>27</b>	<b>50</b>	<b>Tan Red Clay</b>
<b>50</b>	<b>54</b>	<b>Tan LS</b>
<b>54</b>	<b>60</b>	<b>Gray Clay</b>
<b>60</b>	<b>119</b>	<b>Red SS</b>
<b>119</b>	<b>165</b>	<b>Gravel</b>
<b>165</b>	<b>185</b>	<b>Tan Red Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>105</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>105</b>	<b>165</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>165</b>	<b>185</b>

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**



## STATE OF TEXAS WELL REPORT for Tracking #484790

Owner: **Lake Travis Builders ( Mead )**

Owner Well #: **No Data**

Address: **3100 Fall Creek Estates  
Spicewood , TX 78669**

Grid #: **57-40-7**

Well Location: **3100 Fall Creek Estates  
Spicewood, TX 78669**

Latitude: **30° 24' 20" N**

Longitude: **098° 06' 57" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Unknown**

Drilling Start Date: **6/1/2018**

Drilling End Date: **6/1/2018**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>15</b>
	<b>6.25</b>	<b>15</b>	<b>205</b>

Drilling Method: **Unknown**

Borehole Completion: **Unknown**

Annular Seal Data: **No Data**

Seal Method: **Unknown**

Sealed By: **Driller**

Distance to Property Line (ft.): **Unknown**

Distance to Septic Field or other  
concentrated contamination (ft.): **Unknown**

Distance to Septic Tank (ft.): **Unknown**

Method of Verification: **Land Owner**

Surface Completion: **Unknown**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **Backfilled 2" Cement Cap**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>29</b>	<b>Tan LS</b>
<b>29</b>	<b>36</b>	<b>Gray Tan LS</b>
<b>36</b>	<b>44</b>	<b>Tan LS</b>
<b>44</b>	<b>58</b>	<b>Gray Tan LS</b>
<b>58</b>	<b>101</b>	<b>Gray LS w/ Clay</b>
<b>101</b>	<b>140</b>	<b>Red SS</b>
<b>140</b>	<b>183</b>	<b>Red SS w/ Gravel</b>
<b>183</b>	<b>200</b>	<b>Tan LS w/ Gravel</b>
<b>200</b>	<b>202</b>	<b>Turquoise Clay</b>
<b>202</b>	<b>205</b>	<b>Tan Clay</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #486560

Owner: **Lake Travis Builders ( Mead )**

Owner Well #: **2**

Address: **P O Box 342105  
Austin, TX 78734**

Grid #: **57-40-7**

Well Location: **3100 Fall Creek Estate  
Spicewood, TX 78669**

Latitude: **30° 24' 20" N**

Longitude: **098° 06' 52" W**

Well County: **Travis**

Elevation: **No Data**

Number of Wells Drilled: **3**

Type of Work: **Unknown**

Proposed Use: **Unknown**

Drilling Start Date: **6/15/2018**

Drilling End Date: **6/15/2018**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>15</b>
<b>6.25</b>	<b>15</b>	<b>209</b>

Drilling Method: **Unknown**

Borehole Completion: **Unknown**

Annular Seal Data: **No Data**

Seal Method: **Unknown**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **No Data**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **DRY - Backfilled w/ 2" Cement Cap**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>1</b>	<b>2</b>	<b>Top Soil</b>
<b>2</b>	<b>47</b>	<b>Tan LS</b>
<b>47</b>	<b>58</b>	<b>Gray Tan LS</b>
<b>58</b>	<b>102</b>	<b>Gray Clay</b>
<b>102</b>	<b>121</b>	<b>Red SS</b>
<b>121</b>	<b>125</b>	<b>Red SS w/ Clay</b>
<b>125</b>	<b>142</b>	<b>Red SS</b>
<b>142</b>	<b>207</b>	<b>Red SS w/ Gravel</b>
<b>207</b>	<b>209</b>	<b>Tan LS</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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**Austin, TX 78711**  
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## STATE OF TEXAS WELL REPORT for Tracking #489225

Owner:	Lee Grote	Owner Well #:	No Data
Address:	25300 Pedernales Point Spicewood, TX 78669	Grid #:	57-40-4
Well Location:	25300 Pedernales Point Spicewood, TX 78669	Latitude:	30° 26' 14.91" N
Well County:	Travis	Longitude:	098° 05' 07.7" W
		Elevation:	701 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **7/27/2018**      Drilling End Date: **7/27/2018**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	10.5	0	8.5
	8.5	8.5	204

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	80	204	Gravel	3/8"

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	80	Cement 14 Bags/Sacks

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**      **Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 10-15 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>80 - 160</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **Jim Blair**

License Number: **54416**

Comments: **top of production zone was at 80'**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>11</b>	<b>caliche</b>
<b>11</b>	<b>21</b>	<b>red shale</b>
<b>21</b>	<b>35</b>	<b>gravel</b>
<b>35</b>	<b>72</b>	<b>gray limestone</b>
<b>72</b>	<b>92</b>	<b>gravel</b>
<b>92</b>	<b>111</b>	<b>shale</b>
<b>111</b>	<b>130</b>	<b>tan limestone</b>
<b>130</b>	<b>140</b>	<b>gravel</b>
<b>140</b>	<b>160</b>	<b>gray limestone</b>
<b>160</b>	<b>204</b>	<b>gray limestone w/ shale stringers</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>0</b>	<b>80</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>80</b>	<b>200</b>

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## STATE OF TEXAS WELL REPORT for Tracking #491869

Owner: **Lake Travis Builders ( Mead )**

Owner Well #: **3**

Address: **P O Box 342105  
Austin, TX 78734**

Grid #: **57-40-7**

Well Location: **3100 Fall Creek Pkw  
Spicewood, TX 78669**

Latitude: **30° 24' 20" N**

Longitude: **098° 06' 55" W**

Well County: **Travis**

Elevation: **No Data**

Number of Wells Drilled: **3**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/1/2018**

Drilling End Date: **8/1/2018**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>100</b>
<b>6.25</b>	<b>100</b>	<b>223</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>100</b>	<b>7 Benseal 1 Portland 8 Bags/Sacks</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **5**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **50**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 100 ft.  
Burlap/Neoprene at 105 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: .5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>100 - 223</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

**Report Amended on 10/1/2018 by Request #26135**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top SOil</b>
<b>1</b>	<b>11</b>	<b>Tan LS</b>
<b>11</b>	<b>57</b>	<b>Gray Tan LS</b>
<b>57</b>	<b>100</b>	<b>Gray Clay</b>
<b>100</b>	<b>118</b>	<b>Red SS</b>
<b>118</b>	<b>203</b>	<b>Gravel</b>
<b>203</b>	<b>223</b>	<b>Tan Clay</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>143</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>143</b>	<b>203</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>203</b>	<b>223</b>

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## STATE OF TEXAS WELL REPORT for Tracking #494592

Owner: **Thomas Weasley Deathridge**

Owner Well #: **No Data**

Address: **100 Oaks Rd.  
Spicewood , TX 78669**

Grid #: **57-40-1**

Well Location: **100 Oaks Rd.  
Spicewood, TX 78669**

Latitude: **30° 27' 38" N**

Longitude: **098° 07' 23" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **9/28/2018**

Drilling End Date: **9/28/2018**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>15</b>
	<b>6.25</b>	<b>15</b>	<b>198</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 15 ft.  
Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 110 ft.  
Burlap/Neoprene at 115 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 4 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
115 - 178	Trinity - TDS 720

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	10	Tan LS
10	25	Tan Red LS
25	37	Tan LS w/ Sand
37	71	Gray Tan LS w / Sand
71	105	Gray Clay
105	121	Red SS
121	178	Gravel
178	198	Tan Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17	2	118
4.5	Screen	New Plastic (PVC)	.035	118	178
4.5	Blank	New Plastic (PVC)	SDR17	178	198

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## STATE OF TEXAS WELL REPORT for Tracking #511022

Owner: **Jorge Burgos**

Owner Well #: **No Data**

Address: **201 N. Paleface Ranch  
Spicewood, TX 78669**

Grid #: **57-40-4**

Well Location: **201 N. Paleface Ranch  
Spicewood, TX 78669**

Latitude: **30° 26' 25" N**

Longitude: **098° 06' 00" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **3/19/2019**

Drilling End Date: **3/19/2019**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>18</b>
	<b>6.25</b>	<b>18</b>	<b>224</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **50**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 25 ft.  
Burlap/Neoprene at 120 ft.  
Burlap/Neoprene at 130 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>137 - 204</b>	<b>Trinity - TDS 620</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>35</b>	<b>Tan Red LS</b>
<b>35</b>	<b>61</b>	<b>Tan White LS</b>
<b>61</b>	<b>77</b>	<b>Gray Tan LS</b>
<b>77</b>	<b>85</b>	<b>Gray LS w/ Clay</b>
<b>85</b>	<b>114</b>	<b>Gray Clay</b>
<b>114</b>	<b>137</b>	<b>Red LS</b>
<b>137</b>	<b>141</b>	<b>Gravel</b>
<b>141</b>	<b>160</b>	<b>Red SS</b>
<b>160</b>	<b>204</b>	<b>Gravel</b>
<b>204</b>	<b>205</b>	<b>Turquoise Clay</b>
<b>205</b>	<b>224</b>	<b>Tan Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>144</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>144</b>	<b>204</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>204</b>	<b>224</b>

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #512433

Owner: **Austin Golf Club**

Owner Well #: **No Data**

Address: **24900 Hwy 71 West  
Spicewood, TX 78669**

Grid #: **57-40-7**

Well Location: **2205 Paleface Ranch Rd S  
Spicewood, TX 78669**

Latitude: **30° 24' 59" N**

Longitude: **098° 06' 07" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Public Supply**

Drilling Start Date: **4/10/2019**

Drilling End Date: **4/10/2019**

Plans Approved by TCEQ - YES  
PWS# 2270344

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>9.87</b>	<b>0</b>	<b>137</b>
<b>8</b>	<b>137</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>137</b>	<b>Class H 42 Bags/Sacks</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **150+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **150+**

Distance to Septic Tank (ft.): **150+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **130 ft. below land surface on 2019-04-11**

Measurement Method: **Electric Line**

Packers: **Neoprene at 134 ft.  
Neoprene at 135 ft.  
Neoprene at 137 ft.**

Type of Pump: **No Data**

Well Tests: **Pump** **Yield: 25.5 GPM with 18 ft. drawdown after 36 Hrs hours**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>139 - 175</b>	<b>L. Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **No Data**

**Report Amended on 11/30/2020 by Request #33170**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>14</b>	<b>Tan LS</b>
<b>14</b>	<b>37</b>	<b>Gray Tan LS</b>
<b>37</b>	<b>46</b>	<b>Gray LS / W Clay</b>
<b>46</b>	<b>64</b>	<b>Gray Clay</b>
<b>64</b>	<b>65</b>	<b>Gray LS</b>
<b>65</b>	<b>66</b>	<b>Gray Clay</b>
<b>66</b>	<b>67</b>	<b>Gray Tan LS</b>
<b>67</b>	<b>80</b>	<b>Gray Sandy CLay</b>
<b>80</b>	<b>84</b>	<b>Red Gray LS</b>
<b>84</b>	<b>114</b>	<b>Red SS</b>
<b>114</b>	<b>119</b>	<b>Sand and Gravel</b>
<b>119</b>	<b>120</b>	<b>Red Clay</b>
<b>120</b>	<b>128</b>	<b>Tan Red LS SS</b>
<b>128</b>	<b>139</b>	<b>Red SS</b>
<b>139</b>	<b>160</b>	<b>Gravel &amp; Gray LS</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>140</b>
<b>5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>140</b>	<b>180</b>
<b>5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>180</b>	<b>200</b>

160	165	Red Tan Gray LS w/ Yellow Clay
165	168	Yellow Gray Clay
168	169	Gravel and Sand
169	175	Tan White LS
175	178	Blue Clay
178	200	Tan Clay

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #512967

Owner: **Hugh Robertson**  
Address: **1336 Lake Shore Dr.  
Spicewood , TX 78669**  
Well Location: **1336 Lake Shore Dr.  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **No Data**  
Grid #: **57-40-4**  
Latitude: **30° 26' 42" N**  
Longitude: **098° 05' 04" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **4/19/2019**

Drilling End Date: **4/19/2019**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>75</b>
	<b>6.25</b>	<b>75</b>	<b>196</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>75</b>	<b>5 Benseal 2 Portland 7 Bags/Sacks</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **7**

Distance to Septic Field or other  
concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **50**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 75 ft.  
Burlap/Neoprene at 77 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 19 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>75 - 176</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>12</b>	<b>Tan LS</b>
<b>12</b>	<b>30</b>	<b>Gray Tan LS</b>
<b>30</b>	<b>52</b>	<b>Gray Clay</b>
<b>52</b>	<b>75</b>	<b>Red SS</b>
<b>75</b>	<b>176</b>	<b>Gravel and SS</b>
<b>176</b>	<b>177</b>	<b>Turquoise Clay</b>
<b>177</b>	<b>196</b>	<b>Tan Clay</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>116</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>116</b>	<b>176</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>176</b>	<b>196</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #523352

Owner: **William Brady**

Owner Well #: **No Data**

Address: **P O Box 721  
Spicewood, TX 78669**

Grid #: **57-40-1**

Well Location: **880 CR 414  
Spicewood, TX 78669**

Latitude: **30° 28' 05" N**

Longitude: **098° 06' 58" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/2/2019**

Drilling End Date: **8/2/2019**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>68</b>
	<b>6.25</b>	<b>68</b>	<b>170</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>68</b>	<b>5 Benseal 1 Portland 6 Bags/Sacks</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **10**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **50**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 68 ft.  
Burlap/Neoprene at 70 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 1 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>68 - 151</b>	<b>Trinity - TDS 720</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top SOil</b>
<b>1</b>	<b>17</b>	<b>Tan LS</b>
<b>17</b>	<b>20</b>	<b>Gray Tan LS</b>
<b>20</b>	<b>37</b>	<b>White LS</b>
<b>37</b>	<b>68</b>	<b>Gray LS w/ Clay</b>
<b>68</b>	<b>81</b>	<b>Red SS</b>
<b>81</b>	<b>85</b>	<b>Gravel</b>
<b>85</b>	<b>118</b>	<b>Red SS</b>
<b>118</b>	<b>150</b>	<b>Gravel</b>
<b>150</b>	<b>151</b>	<b>Tortoise Clay</b>
<b>151</b>	<b>165</b>	<b>Tan Clay</b>
<b>165</b>	<b>170</b>	<b>Gray Shale</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>90</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>90</b>	<b>150</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>150</b>	<b>170</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #532030

Owner:	<b>Delton Glass</b>	Owner Well #:	<b>1</b>
Address:	<b>12620 Pauls Valley Road Austin, TX 78737</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>2618 Fall Creek Estate Drive Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 43.62" N</b>
		Longitude:	<b>098° 06' 57.06" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>829 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/1/2019**      Drilling End Date: **11/1/2019**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>9</b>	<b>0</b>	<b>50</b>
	<b>6.25</b>	<b>50</b>	<b>225</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>-1</b>	<b>50</b>	<b>5 cement 4 bentonite Bags/Sacks</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **65**

Distance to Septic Field or other  
concentrated contamination (ft.): **unknown**

Distance to Septic Tank (ft.): **unknown**

Method of Verification: **owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **150 ft. below land surface on 2019-11-01**      Measurement Method: **Sonic/Radar**

Packers: **burlap and plastic 125', 105'**  
**Burlap at 50 ft.**

Type of Pump: **Submersible**

Well Tests: **Estimated**      **Yield: 1 GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>130 - 220</b>	<b>hosston trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Associated Drilling Inc**  
**PO Box 673**  
**Dripping Springs, TX 78620**

Driller Name: **James Benoit**

License Number: **4064**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>5</b>	<b>topsoil</b>
<b>5</b>	<b>75</b>	<b>white blue lime</b>
<b>75</b>	<b>135</b>	<b>grey lime and shale</b>
<b>135</b>	<b>160</b>	<b>red clay and sandstone</b>
<b>160</b>	<b>200</b>	<b>white limestone</b>
<b>200</b>	<b>225</b>	<b>yellow clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr17</b>	<b>-3</b>	<b>145</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>sdr17 0.020</b>	<b>145</b>	<b>185</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr17</b>	<b>185</b>	<b>225</b>

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #532031

Owner:	<b>Delton Glass</b>	Owner Well #:	<b>2</b>
Address:	<b>12620 Pauls Valley Road Austin, TX 78737</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>2618 Fall Creek Estate Drive Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 45.24" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 06' 55.38" W</b>
		Elevation:	<b>823 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/1/2019**      Drilling End Date: **11/1/2019**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>50</b>
	<b>6.25</b>	<b>50</b>	<b>225</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>-1</b>	<b>50</b>	<b>5 cement 4 bentonite Bags/Sacks</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **+65**

Distance to Septic Field or other  
concentrated contamination (ft.): **unknown**

Distance to Septic Tank (ft.): **unknown**

Method of Verification: **owner**

Surface Completion: **No Data**

**Surface Completion by Driller**

Water Level:	<b>45 ft. below land surface on 2019-11-01</b>	Measurement Method:	<b>Sonic/Radar</b>
Packers:	<b>burlap and plastic 145', 125'</b>		
Type of Pump:	<b>Submersible</b>		
Well Tests:	<b>Estimated</b>	Yield:	<b>2-3 GPM</b>

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>140 - 225</b>	<b>hosston trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Associated Drilling Inc**  
**PO Box 673**  
**Dripping Springs, TX 78620**

Driller Name: **James Benoit**

License Number: **4064**

Comments: **This well is close to HWY 71**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>topsoil</b>
<b>2</b>	<b>65</b>	<b>white yellow limestone</b>
<b>65</b>	<b>70</b>	<b>grey limestone</b>
<b>70</b>	<b>130</b>	<b>grey lime and shale</b>
<b>130</b>	<b>165</b>	<b>red clay</b>
<b>165</b>	<b>205</b>	<b>white tan limestone</b>
<b>205</b>	<b>225</b>	<b>yellow and red clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr17</b>	<b>-3</b>	<b>165</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>sdr17 0.020</b>	<b>165</b>	<b>205</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr17</b>	<b>205</b>	<b>225</b>

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #532132

Owner:	<b>Mike Lorenz</b>	Owner Well #:	<b>No Data</b>
Address:	<b>25409 Mathis Circle Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>25409 Mathis Circle Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 34" N</b>
		Longitude:	<b>098° 04' 59" W</b>
Well County:	<b>Travis</b>	Elevation:	<b>737 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **12/5/2019**      Drilling End Date: **12/5/2019**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>10.5</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>100</b>
	<b>6.75</b>	<b>100</b>	<b>175</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Perforated or Slotted**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>90</b>	<b>Cement 18</b>
	<b>90</b>	<b>100</b>	<b>Bentonite 3</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **40**

Distance to Septic Field or other  
concentrated contamination (ft.): **120**

Distance to Septic Tank (ft.): **100**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **Rubber at 100 ft.  
Rubber at 102 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 70 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **jim blair**

License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>Topsoil</b>
<b>2</b>	<b>15</b>	<b>gravel/sand</b>
<b>15</b>	<b>40</b>	<b>tan shale</b>
<b>40</b>	<b>50</b>	<b>brown shale</b>
<b>50</b>	<b>55</b>	<b>dark grey shale</b>
<b>55</b>	<b>60</b>	<b>tan sandstone</b>
<b>60</b>	<b>65</b>	<b>grey limestone/clay</b>
<b>65</b>	<b>75</b>	<b>red sandstone</b>
<b>75</b>	<b>80</b>	<b>black rock</b>
<b>80</b>	<b>90</b>	<b>shale</b>
<b>90</b>	<b>125</b>	<b>gravel wb 20-25 gpm at 700 tds</b>
<b>125</b>	<b>170</b>	<b>gravel wb 50 gpm at 560 tds</b>
<b>170</b>	<b>175</b>	<b>tan clay</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>0</b>	<b>115</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>115</b>	<b>175</b>

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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #538042

Owner:	Sean and April Girard	Owner Well #:	No Data
Address:	P O Box 341 Spicewood, TX 78669	Grid #:	57-39-3
Well Location:	10571 CR 404 Spicewood, TX 78669	Latitude:	30° 27' 51.04" N
	Burnet Co App 7320	Longitude:	098° 07' 44.35" W
Well County:	Burnet	Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 1/30/2020      Drilling End Date: 1/30/2020

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	8.5	0	100
	6.25	100	295

Drilling Method: Air Rotary

Borehole Completion: Straight Wall

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	0	100	7 Benseal 2 Portland 9 Bags/Sacks

Seal Method: Pressure

Sealed By: Driller

Distance to Property Line (ft.): 5

Distance to Septic Field or other  
concentrated contamination (ft.): 50

Distance to Septic Tank (ft.): 50

Method of Verification: Land Owner

Surface Completion: Surface Sleeve Installed

Surface Completion by Driller

Water Level: No Data

Packers: Burlap/Neoprene at 100 ft.  
Burlap/Neoprene at 105 ft.  
Burlap/Neoprene at 200 ft.  
Burlap/Neoprene at 205 ft.

Type of Pump: No Data

Well Tests: Jetted      Yield: 4-5 GPM

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>216 - 275</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

**Report Amended on 3/17/2025 by Request #44637**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>36</b>	<b>Tan LS</b>
<b>36</b>	<b>60</b>	<b>Gray Tan LS</b>
<b>60</b>	<b>141</b>	<b>Red Tan LS w/ Clay</b>
<b>141</b>	<b>176</b>	<b>Gray Tan LS</b>
<b>176</b>	<b>200</b>	<b>Gray Clay</b>
<b>200</b>	<b>210</b>	<b>Red SS</b>
<b>210</b>	<b>275</b>	<b>Red SS and Gravel</b>
<b>275</b>	<b>295</b>	<b>Red Gray Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>215</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>215</b>	<b>275</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>275</b>	<b>295</b>



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## STATE OF TEXAS WELL REPORT for Tracking #538512

Owner:	Alejandra Paredon	Owner Well #:	No Data
Address:	25104 Lakeview Dr. Spicewood, TX 78669	Grid #:	57-40-4
Well Location:	25104 Lakeview Dr. Spicewood, TX 78669	Latitude:	30° 26' 08.6" N
Well County:	Travis	Longitude:	098° 05' 26.2" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **2/24/2020**      Drilling End Date: **2/24/2020**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	9	0	100
	6.125	100	230

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **CUTTINGS/ CEMENT**

Sealed By: **CTD**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **No Data**      **Surface Completion NOT by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
Plug Information:	Cement	0	5
	Cuttings	5	230

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

**The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Centex Pump & Supply, Inc.**

**2520 Hwy. 290 West  
Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	SAND/ROCK
20	25	GRAY LIMESTONE
25	60	GRAY W/ CLAY LIMESTONE
60	65	RED CLAY
65	85	GRAY LIMESTONE/CLAY
85	120	RED SAND/ GRAVEL
120	125	BROWN CLAY
125	190	RED BROWN
190	230	YELLOW CLAY

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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## STATE OF TEXAS WELL REPORT for Tracking #543926

Owner:	<b>Action Water Well Service ( Frakes )</b>	Owner Well #:	<b>No Data</b>
Address:	<b>100 Spanish Oak Trail Spicewood, TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>1289 Lakeshore Dr Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 38" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 53" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/5/2020**

Drilling End Date: **5/5/2020**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>8</b>	<b>0</b>	<b>60</b>
	<b>6.25</b>	<b>60</b>	<b>192</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>60</b>	<b>5 Benseal 1 Portland 6 Bags/Sacks</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **5**

Distance to Septic Field or other  
concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **50**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 55 ft.  
Burlap/Neoprene at 60 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 40 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>60 - 172</b>	<b>Trinity - TDS 650</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>27</b>	<b>Tan LS</b>
<b>27</b>	<b>30</b>	<b>Gray LS w/ Clay</b>
<b>30</b>	<b>56</b>	<b>Gray Clay</b>
<b>56</b>	<b>90</b>	<b>Red SS</b>
<b>90</b>	<b>93</b>	<b>Gravel</b>
<b>93</b>	<b>104</b>	<b>Red SS</b>
<b>104</b>	<b>172</b>	<b>Sand &amp; Gravel</b>
<b>172</b>	<b>173</b>	<b>Turquoise Clay</b>
<b>173</b>	<b>192</b>	<b>Tan Red Gray Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>112</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>112</b>	<b>172</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>172</b>	<b>192</b>

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## STATE OF TEXAS WELL REPORT for Tracking #548603

Owner: **Lakecliff Racquet Club**

Owner Well #: **No Data**

Address: **25609 Kahala Sunset Ct  
Spicewood, TX 78669**

Grid #: **57-40-5**

Well Location: **25609 Kahala Sunset Ct  
Spicewood, TX 78669**

Latitude: **30° 27' 19" N**

Longitude: **098° 04' 42" W**

Well County: **Travis**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/7/2020**

Drilling End Date: **5/7/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.5</b>	<b>0</b>	<b>246</b>

Drilling Method: **Air Rotary**

Borehole Completion: **3/8 Pea Gravel 100-246**

Annular Seal Data: **No Data**

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **15**

Distance to Septic Field or other  
concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **50**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 60+ GPM**



Water Quality:

Strata Depth (ft.)	Water Type
107 - 226	Trinity - TDS 650

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	22	Ta Red LS
22	47	Tan LS
47	80	Gray Tan LS
80	107	Gray Clay
107	128	Red SS
128	159	Gravel
159	169	Red SS
169	226	Gravel
226	246	Tan Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17	2	166
4.5	Screen	New Plastic (PVC)	.035	166	226
4.5	Blank	New Plastic (PVC)	SDR17	226	246

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #551963

Owner: **HWY 71 Land, LLC** Owner Well #: **2**  
Address: **PO Box 91882** Grid #: **57-39-6**  
**Austin, TX 78709**  
Well Location: **12700 HWY 71** Latitude: **30° 25' 45.27" N**  
**Spicewood, TX 78669** Longitude: **098° 07' 52.71" W**  
**Through Gate 1/2 mile up hill on left** Elevation: **927 ft. above sea level**  
**side of road**  
Well County: **Burnet**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **8/12/2020** Drilling End Date: **8/13/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>7.875</b>	<b>10</b>	<b>345</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>12</b>	<b>Cement 8 Bags/Sacks</b>
	<b>165</b>	<b>185</b>	<b>Bentonite 15 Bags/Sacks</b>

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **650 ft**

Distance to Septic Field or other  
concentrated contamination (ft.): **500+ ft**

Distance to Septic Tank (ft.): **500+ ft**

Method of Verification: **gps**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **260 ft. below land surface, and 0 GPM** Measurement Method: **Sonic/Radar**  
**artesian flow on 2020-08-17**  
Packers: **Rubber at 185 ft.**  
Type of Pump: **Submersible** Pump Depth (ft.): **320**  
Well Tests: **Jetted** Yield: **5 GPM with 50 ft. drawdown after 4 hours**

Water Quality:

Strata Depth (ft.)	Water Type
190 - 320	fresh

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BULLS EYE SERVICES LLC**  
**PO BOX 1408**  
**PEARSALL, TX 78061**

Driller Name: **Danny J. Busa**

License Number: **60065**

Comments: **CTGCD Well number 7568**

**Report Amended on 9/2/2020 by Request #32592**

**Report Amended on 9/4/2020 by Request #32618**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	3	topsoil
3	28	rock
28	45	grey clay
45	103	red clay
103	150	white limestone
150	185	grey clay/rock
185	320	gravel/sand
320	345	grey/blue clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5		New Plastic (PVC)	sdr 17	2	285
4.5		New Plastic (PVC)	sdr17 0.016	285	325
4.5		New Plastic (PVC)	sdr17	325	345

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #551966

Owner: **HWY 71 Land, LLC** Owner Well #: **3**  
Address: **PO Box 91882** Grid #: **57-39-6**  
**Austin, TX 78709**  
Well Location: **12700 HWY 71** Latitude: **30° 25' 40.5" N**  
**Spicewood, TX 78669** Longitude: **098° 07' 45" W**  
**Through Gate 1/4 mile up hill turn left** Elevation: **987 ft. above sea level**  
**follow road 1/4 mile to well**  
Well County: **Burnet**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **8/17/2020** Drilling End Date: **8/18/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>7.875</b>	<b>10</b>	<b>355</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>12</b>	<b>Cement 8 Bags/Sacks</b>
	<b>185</b>	<b>205</b>	<b>Bentonite 15 Bags/Sacks</b>

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **650 ft**

Distance to Septic Field or other  
concentrated contamination (ft.): **500+ ft**

Distance to Septic Tank (ft.): **500+ ft**

Method of Verification: **gps**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **266 ft. below land surface, and 0 GPM** Measurement Method: **Sonic/Radar**  
**artesian flow on 2020-08-17**

Packers: **Rubber at 205 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 10 GPM with 50 ft. drawdown after 4 hours**

Water Quality:

Strata Depth (ft.)	Water Type
<b>210 - 335</b>	<b>fresh</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BULLS EYE SERVICES LLC**  
**PO BOX 1408**  
**PEARSALL, TX 78061**

Driller Name: **Danny J. Busa**

License Number: **60065**

Comments: **CTGCD Well number 7569**

**Report Amended on 9/4/2020 by Request #32617**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>3</b>	<b>topsoil</b>
<b>3</b>	<b>28</b>	<b>rock</b>
<b>28</b>	<b>45</b>	<b>grey clay with layered rock</b>
<b>45</b>	<b>103</b>	<b>red clay</b>
<b>103</b>	<b>150</b>	<b>white limestone</b>
<b>150</b>	<b>185</b>	<b>grey clay/rock</b>
<b>185</b>	<b>225</b>	<b>white limestone</b>
<b>225</b>	<b>285</b>	<b>red sandy clay</b>
<b>285</b>	<b>335</b>	<b>sand/gravel mix</b>
<b>335</b>	<b>355</b>	<b>red clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
<b>4.5</b>		<b>New Plastic (PVC)</b>	<b>sdr 17</b>	<b>2</b>	<b>295</b>
<b>4.5</b>		<b>New Plastic (PVC)</b>	<b>sdr17 0.016</b>	<b>295</b>	<b>335</b>
<b>4.5</b>		<b>New Plastic (PVC)</b>	<b>sdr17</b>	<b>335</b>	<b>355</b>

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## STATE OF TEXAS WELL REPORT for Tracking #551973

Owner:	<b>HWY 71 Land, LLC</b>	Owner Well #:	<b>4</b>
Address:	<b>PO Box 91882 Austin, TX 78709</b>	Grid #:	<b>57-39-6</b>
Well Location:	<b>12700 HWY 71 Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 42.63" N</b>
		Longitude:	<b>098° 07' 55.8" W</b>
Well County:	<b>Burnet</b>	Elevation:	<b>898 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/19/2020**      Drilling End Date: **8/20/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>10</b>
	<b>7.875</b>	<b>10</b>	<b>290</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>12</b>	<b>Cement 8 Bags/Sacks</b>
	<b>185</b>	<b>205</b>	<b>Bentonite 15 Bags/Sacks</b>

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **300 ft**

Distance to Septic Field or other  
concentrated contamination (ft.): **500+ ft**

Distance to Septic Tank (ft.): **500+ ft**

Method of Verification: **gps**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level:	<b>175 ft. below land surface, and 0 GPM artesian flow on 2020-08-21</b>	Measurement Method:	<b>Sonic/Radar</b>
Packers:	<b>Rubber at 205 ft.</b>		
Type of Pump:	<b>No Data</b>		
Well Tests:	<b>Jetted</b>	<b>Yield: 10 GPM with 50 ft. drawdown after 4 hours</b>	

Water Quality:

Strata Depth (ft.)	Water Type
<b>210 - 275</b>	<b>fresh</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **BULLS EYE SERVICES LLC**  
**PO BOX 1408**  
**PEARSALL, TX 78061**

Driller Name: **Danny J. Busa**

License Number: **60065**

Comments: **CTGCD Well number 7570**

**Report Amended on 9/4/2020 by Request #32616**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>3</b>	<b>topsoil</b>
<b>3</b>	<b>28</b>	<b>caliche</b>
<b>28</b>	<b>80</b>	<b>grey clay with layered rock</b>
<b>80</b>	<b>145</b>	<b>white limestone</b>
<b>145</b>	<b>200</b>	<b>grey and red clay</b>
<b>200</b>	<b>275</b>	<b>Red sand and gravel mix</b>
<b>275</b>	<b>290</b>	<b>Grey Clay</b>

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
<b>4.5</b>		<b>New Plastic (PVC)</b>	<b>sdr 17</b>	<b>2</b>	<b>240</b>
<b>4.5</b>		<b>New Plastic (PVC)</b>	<b>sdr17 0.016</b>	<b>240</b>	<b>280</b>
<b>4.5</b>		<b>New Plastic (PVC)</b>	<b>sdr17</b>	<b>280</b>	<b>290</b>

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## STATE OF TEXAS WELL REPORT for Tracking #553035

Owner:	<b>William Huynh</b>	Owner Well #:	<b>No Data</b>
Address:	<b>1352 Lakeshore Dr Spicewood, TX 78669</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>1352 Lakeshore Dr Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 48" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 06" W</b>
		Elevation:	<b>706 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **7/29/2020**      Drilling End Date: **7/30/2020**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>10.625</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>100</b>
	<b>6.75</b>	<b>100</b>	<b>170</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Perforated or Slotted**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>2</b>	<b>8</b>	<b>Cement 2</b>
	<b>8</b>	<b>100</b>	<b>Bentonite 9</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **25**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **54 ft. below land surface on 2020-09-03**      Measurement Method: **Electric Line**

Packers: **Rubber at 100 ft.  
Rubber at 105 ft.  
Rubber at 110 ft.  
Rubber at 115 ft.**

Type of Pump: **Submersible**      Pump Depth (ft.): **160**

Well Tests: **Jetted**      **Yield: 20+ GPM**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **jim blair**

License Number: **54416**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>2</b>	<b>topsoil</b>
<b>2</b>	<b>18</b>	<b>sand/sandstone</b>
<b>18</b>	<b>22</b>	<b>grey clay</b>
<b>22</b>	<b>30</b>	<b>limestone w/clay</b>
<b>30</b>	<b>90</b>	<b>red limestone</b>
<b>90</b>	<b>105</b>	<b>hard limestone</b>
<b>105</b>	<b>160</b>	<b>tan sandstone</b>
<b>160</b>	<b>170</b>	<b>grey clay</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>0</b>	<b>120</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>120</b>	<b>170</b>

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## STATE OF TEXAS WELL REPORT for Tracking #555318

Owner:	<b>John Knox</b>	Owner Well #:	<b>No Data</b>
Address:	<b>2400 Fall Creek Spicewood , TX 78669</b>	Grid #:	<b>57-39-6</b>
Well Location:	<b>2400 Fall Creek Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 11" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 07' 38" W</b>
		Elevation:	<b>830 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/20/2020**      Drilling End Date: **8/20/2020**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>10.625</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>50</b>
	<b>6.75</b>	<b>50</b>	<b>205</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Perforated or Slotted**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>40</b>	<b>Cement 9</b>
	<b>40</b>	<b>50</b>	<b>Bentonite 2</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **80**

Distance to Septic Field or other  
concentrated contamination (ft.): **300**

Distance to Septic Tank (ft.): **250**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **Rubber at 50 ft.  
Rubber at 55 ft.  
Rubber at 115 ft.  
Rubber at 120 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted                      Yield: 3-4 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **jim blair**

License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>10</b>	<b>tan limestone</b>
<b>10</b>	<b>60</b>	<b>tan / white limestone</b>
<b>60</b>	<b>120</b>	<b>grey limestone / clay</b>
<b>120</b>	<b>200</b>	<b>red sandstone wb 3-4 gpm at 760 tds</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>0</b>	<b>125</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>125</b>	<b>205</b>

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## STATE OF TEXAS WELL REPORT for Tracking #559779

Owner:	David June	Owner Well #:	No Data
Address:	14622 Carols Way Dr. Houston , TX 77070	Grid #:	57-40-4
Well Location:	521 Nomad Dr Spicewood, TX 78669	Latitude:	30° 25' 44" N
Well County:	Travis	Longitude:	098° 05' 37" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 11/12/2020 Drilling End Date: 11/12/2020

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8.5	0	100
	6.25	100	196

Drilling Method: Air Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	100	7 Benseal 2 Portland 9 Bags/Sacks

Seal Method: Pressure

Sealed By: Driller

Distance to Property Line (ft.): 10

Distance to Septic Field or other  
concentrated contamination (ft.): 50

Distance to Septic Tank (ft.): 50

Method of Verification: Land Owner

Surface Completion: Surface Sleeve Installed

Surface Completion by Driller

Water Level: No Data

Packers: Burlap/Neoprene at 100 ft.  
Burlap/Neoprene at 105 ft.

Type of Pump: No Data

Well Tests: Jetted Yield: 25 GPM

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>105 - 176</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **S. Travis Co**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>20</b>	<b>Tan White LS</b>
<b>20</b>	<b>40</b>	<b>Gray LS</b>
<b>40</b>	<b>55</b>	<b>Gray LS w/ Clay</b>
<b>55</b>	<b>60</b>	<b>Brown Clay</b>
<b>60</b>	<b>76</b>	<b>Gray LS w/ Clay</b>
<b>76</b>	<b>132</b>	<b>Red SS</b>
<b>132</b>	<b>138</b>	<b>Gravel Red SS</b>
<b>138</b>	<b>142</b>	<b>Gravel W/ Sand</b>
<b>142</b>	<b>174</b>	<b>Gravel W/ Sand</b>
<b>174</b>	<b>176</b>	<b>Turquoise Clay</b>
<b>176</b>	<b>196</b>	<b>Tan Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>116</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>116</b>	<b>176</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>176</b>	<b>196</b>



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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #560551

Owner:	<b>John Knox</b>	Owner Well #:	<b>No Data</b>
Address:	<b>2400 Fall Creek Spicewood, TX 78669</b>	Grid #:	<b>57-39-6</b>
Well Location:	<b>2400 Fall Creek Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 09" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 07' 39" W</b>
		Elevation:	<b>824 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **10/28/2020**      Drilling End Date: **10/28/2020**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>10.625</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>50</b>
	<b>6.75</b>	<b>50</b>	<b>170</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Perforated or Slotted**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>40</b>	<b>Cement 7</b>
	<b>40</b>	<b>50</b>	<b>Bentonite 3</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **80+**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **Rubber at 50 ft.  
Rubber at 55 ft.  
Rubber at 85 ft.  
Rubber at 90 ft.**

Type of Pump: **Submersible**

Well Tests: **No Test Data Specified**

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

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Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **jim blair**

License Number: **54416**

Comments: **No Data**

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Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>4</b>	<b>topsoil</b>
<b>4</b>	<b>5</b>	<b>clay</b>
<b>5</b>	<b>50</b>	<b>tan / white limestone</b>
<b>50</b>	<b>90</b>	<b>grey clay / strips of limestone</b>
<b>90</b>	<b>170</b>	<b>red sandstone</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>0</b>	<b>110</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>110</b>	<b>170</b>

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**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #563205

Owner: **Ryan Nesloney**  
Address: **1215 Lakeshore Dr  
Spicewood , TX 78669**  
Well Location: **1215 Lakeshore Dr  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **No Data**  
Grid #: **57-40-5**  
Latitude: **30° 26' 30" N**  
Longitude: **098° 04' 41" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **12/28/2020** Drilling End Date: **12/28/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.5</b>	<b>0</b>	<b>100</b>
	<b>6.5</b>	<b>100</b>	<b>185</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>7 Benseal 2 Portland 9 Bags/Sacks</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **15**

Distance to Septic Field or other  
concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **50**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 100 ft.  
Burlap/Neoprene at 105 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 60 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>118 - 166</b>	<b>L. Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **S. Travis Co**  
**Reg. ONLY**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>5</b>	<b>Tan LS</b>
<b>5</b>	<b>22</b>	<b>Gravel</b>
<b>22</b>	<b>37</b>	<b>Gray Red Clay</b>
<b>37</b>	<b>42</b>	<b>Tan LS</b>
<b>42</b>	<b>58</b>	<b>Gray LS</b>
<b>58</b>	<b>118</b>	<b>Red SS</b>
<b>118</b>	<b>165</b>	<b>Gravel</b>
<b>165</b>	<b>166</b>	<b>Turquoise Clay</b>
<b>166</b>	<b>185</b>	<b>Tan Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>105</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>105</b>	<b>165</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>165</b>	<b>185</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #564213

Owner:	<b>John Knox</b>	Owner Well #:	<b>No Data</b>
Address:	<b>2400 Fall Creek Rd Spicewood , TX 78669</b>	Grid #:	<b>57-39-6</b>
Well Location:	<b>2400 Fall Creek Rd Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 09" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 07' 39" W</b>
		Elevation:	<b>824 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **12/1/2020**      Drilling End Date: **12/1/2020**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>10.625</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>260</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	<b>50</b>	<b>260</b>	<b>Gravel</b>	<b>3/8</b>

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>40</b>	<b>Cement 7</b>
	<b>40</b>	<b>50</b>	<b>Bentonite 2</b>

Seal Method: **Poured**

Distance to Property Line (ft.): **70**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 3 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Dr.**  
**Dripping Springs, TX 78620**

Driller Name: **jim blair**

License Number: **54416**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>4</b>	<b>topsoil</b>
<b>4</b>	<b>6</b>	<b>clay</b>
<b>6</b>	<b>50</b>	<b>tan / white limestone</b>
<b>50</b>	<b>90</b>	<b>grey clay / strips of grey limestone</b>
<b>90</b>	<b>175</b>	<b>red sandstone wb 3 gpm</b>
<b>175</b>	<b>250</b>	<b>tan limestone / grey clay strips</b>
<b>250</b>	<b>260</b>	<b>grey clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>0</b>	<b>120</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>sdr-17</b>	<b>120</b>	<b>260</b>

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**P.O. Box 12157**  
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## STATE OF TEXAS WELL REPORT for Tracking #571040

Owner: **Glenville Development LLC**

Owner Well #: **No Data**

Address: **20808 W. Hwy 71  
Spicewood , TX 78669**

Grid #: **57-40-1**

Well Location: **600 CR 414  
( Lot 4 )  
Spicewood, TX 78669**

Latitude: **30° 28' 00" N**

Longitude: **098° 07' 09" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **3/18/2021**

Drilling End Date: **3/18/2021**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>18</b>
<b>6.25</b>	<b>18</b>	<b>165</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 25 ft.  
Burlap/Neoprene at 70 ft.  
Burlap/Neoprene at 75 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 5 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>105 - 145</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Johnson Jackson**

License Number: **54989**

Comments: **CTGCD # 7897**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>18</b>	<b>Tan LS</b>
<b>18</b>	<b>40</b>	<b>Gray Tan LS</b>
<b>40</b>	<b>72</b>	<b>Hammet Clay</b>
<b>72</b>	<b>75</b>	<b>Red SS</b>
<b>75</b>	<b>95</b>	<b>Gravel /Red SS</b>
<b>95</b>	<b>105</b>	<b>Red SS</b>
<b>105</b>	<b>145</b>	<b>Gravel/W Sand</b>
<b>145</b>	<b>146</b>	<b>Turquoise Clay</b>
<b>146</b>	<b>165</b>	<b>Tan Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>85</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>85</b>	<b>145</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>145</b>	<b>165</b>

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## STATE OF TEXAS WELL REPORT for Tracking #586295

Owner: **Gary Wier**

Owner Well #: **No Data**

Address: **P O Box 268  
Spicewood , TX 78611**

Grid #: **57-40-1**

Well Location: **293 Oaks Rd  
Spicewood, TX 78669**

Latitude: **30° 27' 38" N**

Longitude: **098° 07' 19" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/6/2021**

Drilling End Date: **10/6/2021**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>200</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 25 ft.  
Burlap/Neoprene at 105 ft.  
Burlap/Neoprene at 110 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 1.6 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
112 - 180	Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Comments: **CTGCD # 8288**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	1	Top SOil
1	11	Tan LS w /Red Clay
11	17	White Tan LS
17	30	Tan LS w/ Sand
30	37	Gray LS
37	48	Gray LS w/ Clay
48	59	Gray Tan LS
59	64	Gray Tan LS w/ CLay
64	98	Hammet Clay
98	112	Red SS
112	135	Red SS w / Gravel
135	180	Gravel
180	198	Tan Clay
198	200	Gray Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17	2	120
4.5	Screen	New Plastic (PVC)	.035	120	180
4.5	Blank	New Plastic (PVC)	SDR17	180	200

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## STATE OF TEXAS WELL REPORT for Tracking #595029

Owner: **Glenville Development LLC**

Owner Well #: **No Data**

Address: **20808 W Hwy 71  
Spicewood , TX 78669**

Grid #: **57-40-1**

Well Location: **600 CR 414  
Lot # 3  
Spicewood, TX 78669**

Latitude: **30° 27' 59" N**

Longitude: **098° 07' 11" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **1/14/2022**

Drilling End Date: **1/14/2022**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>8</b>	<b>0</b>	<b>20</b>
<b>6.25</b>	<b>20</b>	<b>157</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 25 ft.  
Burlap/Neoprene at 77 ft.  
Burlap/Neoprene at 80 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 4 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>81 - 137</b>	<b>Trinity TDS -400</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Apprentice Name: **Alfonso Rodriguez Jr.**

Apprentice Number: **60952**

Comments: **CTGCD # 8445**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>Top SOil</b>
<b>1</b>	<b>5</b>	<b>White Tan LS</b>
<b>5</b>	<b>7</b>	<b>Gravel w/ Sand</b>
<b>7</b>	<b>12</b>	<b>Tan Gray LS</b>
<b>12</b>	<b>35</b>	<b>Gray LS</b>
<b>35</b>	<b>70</b>	<b>Hammet Clay</b>
<b>70</b>	<b>81</b>	<b>Red SS</b>
<b>81</b>	<b>102</b>	<b>Red SS w/ Gravel</b>
<b>102</b>	<b>137</b>	<b>Gravel w/ Sand</b>
<b>137</b>	<b>157</b>	<b>Turquoise Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>77</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>77</b>	<b>137</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>137</b>	<b>157</b>



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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #600456

Owner:	Lloyd Helms	Owner Well #:	No Data
Address:	26000 Master Parkway Spicewood , TX 78669	Grid #:	57-40-4
Well Location:	25646 Pedernales Point Dr Spicewood, TX 78669	Latitude:	30° 26' 01" N
Well County:	Travis	Longitude:	098° 05' 37" W
		Elevation:	No Data
Type of Work:	Unknown	Proposed Use:	Unknown

Drilling Start Date: 3/18/2022      Drilling End Date: 3/18/2022

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8	0	92
	6.25	92	180

Drilling Method: Unknown

Borehole Completion: Unknown

Annular Seal Data: No Data

Seal Method: Unknown

Sealed By: Driller

Distance to Property Line (ft.): UNKNOWN

Distance to Septic Field or other  
concentrated contamination (ft.): UNKNOWN

Distance to Septic Tank (ft.): UNKNOWN

Method of Verification: No Data

Surface Completion: Unknown

Surface Completion by Driller

Water Level: No Data

Packers: No Data

Type of Pump: No Data

Well Tests: No Test Data Specified

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Apprentice Name: **Alfonso Rodriguez Jr.**

Apprentice Number: **60952**

Comments: **SWTCGCD - Approved**

**DRY**  
**Backfilled 2' Cement Cap**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	27	White Tan LS
27	36	Tan LS
36	53	Gray Tan LS
53	92	Gray Clay ( Hammet )
92	106	Red SS
106	112	Red Tan SS
112	149	Red Tan LS w/ Gravel
149	175	Gravel
175	180	Turquoise Tan Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #603201

Owner:	Forestar Real Estate Group Inc	Owner Well #:	2
Address:	2221 E. Lamar Blvd. Arlington, TX 76006	Grid #:	57-40-4
Well Location:	316 Paleface Point Dr Spicewood, TX 78669	Latitude:	30° 26' 10.71" N
Well County:	Travis	Longitude:	098° 05' 52.32" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **3/28/2022**      Drilling End Date: **3/29/2022**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8.75	0	210

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	100	210	Gravel	.375

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	20	Cement 5 Bags/Sacks
	20	100	QuilkgROUT 10 Bags/Sacks

Seal Method: **Pumped**

Sealed By: **Driller**

Distance to Property Line (ft.): **300+**

Distance to Septic Field or other  
concentrated contamination (ft.): **300+**

Distance to Septic Tank (ft.): **300+**

Method of Verification: **Map**

Surface Completion: **Surface Sleeve Installed**      **Surface Completion by Driller**

Water Level: **124 ft. below land surface on 2022-04-04**      Measurement Method: **Electric Line**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Pump**      **Yield: 4 GPM with 60 ft. drawdown after 24 hours**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **NextGen Water Well Service**  
**11911 West County Road 56**  
**Midland, TX 79707**

Driller Name: **Cody Myers**

License Number: **60303**

Apprentice Name: **Billy Sheckler**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	8	Top Soil/Clay
8	40	Limestone
40	110	Gray Shale and Clay
110	135	Sandstone
135	145	Brown Clay
145	200	Sandstone with Clay Stringers
200	210	Gray Clay

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR 17	0	130
4.5	Screen	New Plastic (PVC)	SDr 17 0.035	130	210

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #603203

Owner:	<b>Forestar Real Estate Group Inc</b>	Owner Well #:	<b>1</b>
Address:	<b>2221 E. Lamar Blvd. Arlington, TX 76006</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>316 Paleface Point Dr Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 12.14" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 56.58" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **3/28/2022**      Drilling End Date: **3/29/2022**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>215</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>110</b>	<b>215</b>	<b>Gravel</b>	<b>.375</b>

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Cement 5 Bags/Sacks</b>
	<b>20</b>	<b>110</b>	<b>Quikgrout 10 Bags/Sacks</b>

Seal Method: **Pumped**

Sealed By: **Driller**

Distance to Property Line (ft.): **300+**

Distance to Septic Field or other  
concentrated contamination (ft.): **300+**

Distance to Septic Tank (ft.): **300+**

Method of Verification: **Map**

Surface Completion: **Surface Sleeve Installed**      **Surface Completion by Driller**

Water Level: **121 ft. below land surface on 2022-03-30**      Measurement Method: **Electric Line**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **NextGen Water Well Service**  
**11911 West County Road 56**  
**Midland, TX 79707**

Driller Name: **Cody Myers**

License Number: **60303**

Apprentice Name: **Billy Sheckler**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>6</b>	<b>Top Soil</b>
<b>6</b>	<b>30</b>	<b>Limestone</b>
<b>30</b>	<b>110</b>	<b>Gray Shale and Clay</b>
<b>110</b>	<b>145</b>	<b>Tan Sandstone</b>
<b>145</b>	<b>155</b>	<b>Brown CLay</b>
<b>155</b>	<b>205</b>	<b>Sandstone with clay stringers</b>
<b>205</b>	<b>215</b>	<b>Gray Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR 17</b>	<b>0</b>	<b>135</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>SDR 17 0.035</b>	<b>135</b>	<b>215</b>

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**(512) 334-5540**



## STATE OF TEXAS WELL REPORT for Tracking #610596

Owner: **Dereck Norwood**  
Address: **126 CR 420  
Spicewood , TX 78669**  
Well Location: **12001 CR 404  
Spicewood, TX 78669**  
Well County: **Burnet**

Owner Well #: **No Data**  
Grid #: **57-40-4**  
Latitude: **30° 27' 29" N**  
Longitude: **098° 07' 01" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/29/2022**

Drilling End Date: **6/29/2022**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>213</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 25 ft.  
Burlap/Neoprene at 108 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 3 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>108 - 193</b>	<b>Trinity - TDS 360</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Apprentice Name: **Alfonso Rodriguez Jr.**

Apprentice Number: **60952**

Comments: **CTGCD # 8769**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>6</b>	<b>Tan Clay</b>
<b>6</b>	<b>14</b>	<b>Tan LS w/ Gravel</b>
<b>14</b>	<b>21</b>	<b>Tan KS w Red Clay</b>
<b>21</b>	<b>39</b>	<b>White Tan LS</b>
<b>39</b>	<b>53</b>	<b>Gray LS</b>
<b>53</b>	<b>63</b>	<b>Gray LS w/ Clay</b>
<b>63</b>	<b>85</b>	<b>Hammet Clay</b>
<b>85</b>	<b>101</b>	<b>Red SS</b>
<b>101</b>	<b>108</b>	<b>Red SS w/ Gravel</b>
<b>108</b>	<b>126</b>	<b>Sand Red SS Gravel Mix</b>
<b>126</b>	<b>140</b>	<b>Red SS</b>
<b>140</b>	<b>193</b>	<b>Gravel</b>
<b>193</b>	<b>213</b>	<b>Turquoise Tan Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>133</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>133</b>	<b>193</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>193</b>	<b>213</b>

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## STATE OF TEXAS WELL REPORT for Tracking #616691

Owner: **Shumate Homes Inc.**  
Address: **3516 S. Pace Bend Rd  
Spicewood , TX 78611**  
Well Location: **1248 Lakeshore Dr  
Spicewood, TX 78669**  
Well County: **Travis**

Owner Well #: **No Data**  
Grid #: **57-40-5**  
Latitude: **30° 26' 33" N**  
Longitude: **098° 04' 46" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/15/2022**

Drilling End Date: **8/15/2022**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>100</b>
	<b>6.25</b>	<b>100</b>	<b>213</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>6 Benseal 5 Portland 11 Bags/Sacks</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **60+**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 100 ft.  
Burlap/Neoprene at 105 ft.  
Burlap/Neoprene at 120 ft.  
Burlap/Neoprene at 125 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 42 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>130 - 193</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Apprentice Name: **Alfonso Rodriguez Jr**

Apprentice Number: **60952**

Comments: **SW Travis Co Approved**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>7</b>	<b>Gravel</b>
<b>7</b>	<b>18</b>	<b>White Tan LS w/ Gravel</b>
<b>18</b>	<b>32</b>	<b>Gravel</b>
<b>32</b>	<b>45</b>	<b>Gray LS w/ Clay</b>
<b>45</b>	<b>77</b>	<b>Hammet Clay</b>
<b>77</b>	<b>130</b>	<b>Red SS</b>
<b>130</b>	<b>141</b>	<b>Gravel w/ Red SS ( H2O )</b>
<b>141</b>	<b>193</b>	<b>Gravel w/ Sand ( H2o )</b>
<b>193</b>	<b>213</b>	<b>Turquoise Tan Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>133</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>133</b>	<b>193</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>193</b>	<b>213</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #628725

Owner:	<b>Odus Wittenburg Jr.</b>	Owner Well #:	<b>57405OW2</b>
Address:	<b>2501 Martin Rd. Dripping Springs, TX 78620</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>1253 Lakeshor Dr. Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 37" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 49" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **12/15/2022**      Drilling End Date: **12/15/2022**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>100</b>
	<b>6.125</b>	<b>100</b>	<b>190</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>100</b>	<b>Cement 14 Bags/Sacks</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **15**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **N/A**

Method of Verification: **Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap at 100 ft.  
Burlap/Plastic at 120 ft.  
Burlap/Plastic at 130 ft.**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 25 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
130 - 190	Lower Trinity

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Centex Pump & Supply, Inc.**  
**2520 Hwy. 290 West**  
**Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	30	Tan
30	33	Gray w/ Strip Clay
33	57	Gray Clay
57	90	Red Sand Stone
90	130	Red Sand Stone w/ Clay
130	185	Sand Gravel
185	190	Gray Clay

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17	2	130
4.5	Perforated or Slotted	New Plastic (PVC)	SDR17	130	190

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## STATE OF TEXAS WELL REPORT for Tracking #629045

Owner:	<b>Tonkawa Water Supply</b>	Owner Well #:	<b>No Data</b>
Address:	<b>25501 Red Brangus Road Spicewood , TX 78669</b>	Grid #:	<b>57-40-4</b>
Well Location:	<b>25501 Red Brangus Road Spicewood, TX 78669</b>	Latitude:	<b>30° 25' 32.44" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 41.17" W</b>
		Elevation:	<b>797 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Public Supply</b>

Drilling Start Date: **11/29/2022**

Drilling End Date: **12/2/2022**

Plans Approved by TCEQ - YES  
PWS# 2270116

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>10.625</b>	<b>0</b>	<b>10</b>
<b>9</b>	<b>10</b>	<b>225</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
<b>150</b>	<b>220</b>	<b>Gravel</b>	<b>3/8</b>

Annular Seal Data:

<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>150</b>	<b>Cement 52 Bags/Sacks</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Rd.**  
**Dripping Springs, TX 78620**

Driller Name: **michael scott**

License Number: **59719**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>topsoil</b>
<b>3</b>	<b>10</b>	<b>tan limestone</b>
<b>10</b>	<b>70</b>	<b>grey limestone</b>
<b>70</b>	<b>105</b>	<b>grey shale</b>
<b>105</b>	<b>115</b>	<b>grey shale / red clay</b>
<b>115</b>	<b>125</b>	<b>gravel</b>
<b>125</b>	<b>170</b>	<b>red sandstone / clay</b>
<b>170</b>	<b>180</b>	<b>tan limestone / gravel</b>
<b>180</b>	<b>200</b>	<b>tan limestone / clay</b>
<b>200</b>	<b>220</b>	<b>tan / blue clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sch-80</b>	<b>0</b>	<b>160</b>
<b>5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>sch-80</b>	<b>160</b>	<b>220</b>

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## STATE OF TEXAS WELL REPORT for Tracking #633176

Owner: **Jim F. Madigan**

Owner Well #: **No Data**

Address: **1020 CR 414  
Spicewood, TX 78669**

Grid #: **57-40-1**

Well Location: **1020 CR 414  
Spicewood, TX 78669**

Latitude: **30° 28' 06" N**

Longitude: **098° 06' 56" W**

Well County: **Burnet**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **2/27/2023**

Drilling End Date: **2/27/2023**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>165</b>

Drilling Method: **Air Hammer**

Borehole Completion: **Straight Wall**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Portland 4 Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **50+**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **Land Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap/Neoprene at 20 ft.  
Burlap/Neoprene at 25 ft.  
Burlap/Neoprene at 82 ft.  
Burlap/Neoprene at 85 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 2 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>88 - 145</b>	<b>Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**  
**P.O. Box 867**  
**Marble Falls, TX 78654**

Driller Name: **Andrew Jackson Johnson**

License Number: **54989**

Apprentice Name: **Alfonso Rodriguez Jr.**

Apprentice Number: **60952**

Comments: **CTGCD # 9060**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1</b>	<b>Top Soil</b>
<b>1</b>	<b>7</b>	<b>Sandy Loam</b>
<b>7</b>	<b>19</b>	<b>Tan LS</b>
<b>19</b>	<b>27</b>	<b>Gray LS</b>
<b>27</b>	<b>46</b>	<b>Gray Tan LS</b>
<b>46</b>	<b>51</b>	<b>Gray LS w/ Clay</b>
<b>51</b>	<b>73</b>	<b>Hammet Clay</b>
<b>73</b>	<b>88</b>	<b>Red SS</b>
<b>88</b>	<b>94</b>	<b>Red SS w/ Gravel</b>
<b>94</b>	<b>113</b>	<b>Red SS w/ Sand</b>
<b>113</b>	<b>143</b>	<b>Tan Gravel w/ Sand H2o</b>
<b>143</b>	<b>165</b>	<b>Turquoise Tan Clay</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>85</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>85</b>	<b>145</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>145</b>	<b>165</b>

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## STATE OF TEXAS WELL REPORT for Tracking #636797

Owner:	Jay Raulerson	Owner Well #:	57404JR
Address:	115 Vicinty Trail Spicewood, TX 78669	Grid #:	57-40-4
Well Location:	115 Vicinty Trail Spicewood, TX 78669	Latitude:	30° 25' 53" N
Well County:	Travis	Longitude:	098° 05' 14" W
		Elevation:	710 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **3/29/2023**      Drilling End Date: **3/29/2023**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	9	0	100
	6.13	100	250

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	100	Cement 12 Bags/Sacks

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **50**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **60**

Method of Verification: **Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level:	71 ft. below land surface, and 1 GPM artesian flow on <b>2023-04-04</b>	Measurement Method: <b>Electric Line</b>
Packers:	Burlap at 100 ft. Burlap/Plastic at 120 ft. Burlap/Plastic at 200 ft.	
Type of Pump:	Submersible	Pump Depth (ft.): <b>220</b>
Well Tests:	Jetted      Yield: 1 GPM	

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>210 - 250</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Centex Pump & Supply, Inc.**  
**2520 Hwy. 290 West**  
**Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>10</b>	<b>Brown Tan Shale</b>
<b>10</b>	<b>15</b>	<b>Gray</b>
<b>15</b>	<b>22</b>	<b>Red Clay</b>
<b>22</b>	<b>90</b>	<b>Red Sandy Clay</b>
<b>90</b>	<b>110</b>	<b>Brown Tan</b>
<b>110</b>	<b>140</b>	<b>Red Sand Stone</b>
<b>140</b>	<b>220</b>	<b>Tan Sand w/ Gravel</b>
<b>220</b>	<b>240</b>	<b>Sand Gravel</b>
<b>240</b>	<b>250</b>	<b>Tan Shale</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>2</b>	<b>210</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>210</b>	<b>250</b>

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## STATE OF TEXAS WELL REPORT for Tracking #656699

Owner:	Hunter Mark F 2010 Living Trust	Owner Well #:	57405MH2
Address:	1227 Lakeshore Dr. Spicewood, TX 78669	Grid #:	57-40-5
Well Location:	1227 Lakeshore Dr. Spicewood, TX 78669	Latitude:	30° 26' 32" N
Well County:	Travis	Longitude:	098° 04' 42" W
		Elevation:	743 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 12/27/2023      Drilling End Date: 12/27/2023

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	9	0	100
	6.25	100	190

Drilling Method: Air Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	100	Cement 12 Bags/Sacks

Seal Method: Pressure

Sealed By: Driller

Distance to Property Line (ft.): 5

Distance to Septic Field or other  
concentrated contamination (ft.): 100+

Distance to Septic Tank (ft.): 100+

Method of Verification: Owner

Surface Completion: Pitless Adapter Used

Surface Completion by Driller

Water Level: 120 ft. below land surface on 2023-12-27

Packers: Burlap at 100 ft.  
Burlap/Plastic at 110 ft.  
Burlap/Plastic at 120 ft.  
Burlap/Plastic at 130 ft.

Type of Pump: Submersible

Pump Depth (ft.): 180

Well Tests: Jetted      No Test Data Specified

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>130 - 190</b>	<b>Lower Trinity</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Centex Pump & Supply, Inc.**  
**2520 Hwy. 290 West**  
**Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>20</b>	<b>Caliche/Rock</b>
<b>20</b>	<b>65</b>	<b>Tan-Gray Strip Clay</b>
<b>65</b>	<b>95</b>	<b>Red Clay</b>
<b>95</b>	<b>120</b>	<b>Gravel w/ Red Clay</b>
<b>120</b>	<b>130</b>	<b>Gray Clay</b>
<b>130</b>	<b>160</b>	<b>Gravel</b>
<b>160</b>	<b>181</b>	<b>Sand &amp; Sand Stone</b>
<b>181</b>	<b>190</b>	<b>Tan w/ Yellow Clay</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>0</b>	<b>130</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>130</b>	<b>190</b>

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## STATE OF TEXAS WELL REPORT for Tracking #664544

Owner:	<b>Austin Golf Club</b>	Owner Well #:	<b>PZ-2</b>
Address:	<b>24900 State Hwy 71 Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>24900 State Highway 71 W Spicewood, TX 78669</b>	Latitude:	<b>30° 24' 58" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 59" W</b>
		Elevation:	<b>778 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Test Well</b>

Drilling Start Date: **2/28/2024**      Drilling End Date: **2/28/2024**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6</b>	<b>0</b>	<b>30</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Screened**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>2</b>	<b>Cement 2 Bags/Sacks</b>
	<b>2</b>	<b>3</b>	<b>Bentonite 1 Bags/Sacks</b>

Seal Method: **Hand Mixed**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Austin Geo-Logic**  
**1316 Ridgefield Loop**  
**Round Rock, TX 78665**

Driller Name: **Hamilton L. McRae** License Number: **59656**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>2</b>	<b>30</b>	<b>white and grey limestone</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #664545

Owner:	<b>Austin Golf Club</b>	Owner Well #:	<b>PZ-1</b>
Address:	<b>24900 W State Highway 71 Spicewood, TX 78669</b>	Grid #:	<b>57-40-7</b>
Well Location:	<b>24900 W State Highway 71 Spicewood, TX</b>	Latitude:	<b>30° 24' 55" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 05' 57" W</b>
		Elevation:	<b>781 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Test Well</b>

Drilling Start Date: **2/28/2024**      Drilling End Date: **2/28/2024**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6</b>	<b>0</b>	<b>30</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>2</b>	<b>30</b>	<b>Sand</b>	

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
Annular Seal Data:	<b>0</b>	<b>2</b>	<b>Concrete 2 Bags/Sacks</b>
	<b>2</b>	<b>3</b>	<b>Bentonite 1 Bags/Sacks</b>

Seal Method: **Hand Mixed**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**      **Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

---

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

---

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Austin Geo-Logic**  
**1316 Ridgefield Loop**  
**Round Rock, TX 78665**

Driller Name: **Hamilton L. McRae** License Number: **59656**

Comments: **No Data**

---

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>1</b>	<b>2.5</b>	<b>Tan sandy clay</b>
<b>3</b>	<b>30</b>	<b>white/tan to grey limestone</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>No Data</b>			

---

#### IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #676449

Owner:	<b>Russell Young</b>	Owner Well #:	<b>No Data</b>
Address:	<b>1323 Lakeshore Drive Spicewood , TX 78669</b>	Grid #:	<b>57-40-5</b>
Well Location:	<b>1323 Lakeshore Drive Spicewood, TX 78669</b>	Latitude:	<b>30° 26' 43.7" N</b>
Well County:	<b>Travis</b>	Longitude:	<b>098° 04' 57.9" W</b>
		Elevation:	<b>725 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **7/10/2024**      Drilling End Date: **7/11/2024**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>10.625</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>220</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	<b>100</b>	<b>220</b>	<b>Gravel</b>	<b>3/8</b>

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>10</b>	<b>Cement 4</b>
	<b>10</b>	<b>100</b>	<b>Bentonite 12</b>

Seal Method: **Pressure**

Distance to Property Line (ft.): **40**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **100**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level:	<b>86 ft. below land surface on 2024-07-19</b>	Measurement Method:	<b>Electric Line</b>
Packers:	<b>No Data</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>200</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>15 GPM</b>

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Rd.**  
**Dripping Springs, TX 78620**

Driller Name: **Michael Scott**

License Number: **59719**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>4</b>	<b>topsoil</b>
<b>4</b>	<b>10</b>	<b>tan limestone</b>
<b>10</b>	<b>100</b>	<b>grey limestone</b>
<b>100</b>	<b>130</b>	<b>red clay</b>
<b>130</b>	<b>140</b>	<b>red sand</b>
<b>140</b>	<b>160</b>	<b>tan limestone / gravel</b>
<b>160</b>	<b>180</b>	<b>grey clay / limestone</b>
<b>180</b>	<b>200</b>	<b>tan sandstone / grey clay wb 15+gpm</b>
<b>200</b>	<b>220</b>	<b>tan limestone</b>

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>		<b>0</b>	<b>180</b>
<b>5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>		<b>180</b>	<b>220</b>



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**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #679858

Owner: **Charles H. Morrison** Owner Well #: **No Data**  
Address: **2902 Greenlee Dr** Grid #: **57-40-7**  
**Austin, TX 78703**  
Well Location: **Paleface Ranch Rd** Latitude: **30° 24' 51.3" N**  
**Spicewood, TX 78669** Longitude: **098° 06' 37.26" W**  
Well County: **Travis** Elevation: **811 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #240782**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **9/9/2024**

Drilling End Date: **9/10/2024**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>10.625</b>	<b>0</b>	<b>10</b>
<b>8.5</b>	<b>10</b>	<b>350</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Plugged**

Annular Seal Data: **No Data**

Seal Method: **Tremie**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **No Data**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Rd.**  
**Dripping Springs, TX 78620**

Driller Name: **Michael Scott** License Number: **59719**

Comments: **plugged**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	topsoil
2	10	white limestone
10	110	grey / white limestone
110	130	grey / red clay
130	200	tan sandstone /partial returns
200	280	red / tan clay partial returns
280	350	no returns

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #681979

Owner: **Charles H. Morrison** Owner Well #: **SWTCGCD#57407MF**  
Address: **2902 Greenlee Dr.  
Austin, TX 78703** Grid #: **57-40-7**  
Well Location: **Paleface Ranch Rd  
Spicewood, TX 78669** Latitude: **30° 24' 48.46" N**  
Longitude: **098° 06' 29.56" W**  
Well County: **Travis** Elevation: **797 ft. above sea level**  
**\*\*Plugged Within 48 Hours\*\***

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #241402**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/17/2024** Drilling End Date: **10/18/2024**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10.625</b>	<b>0</b>	<b>10</b>
	<b>8.5</b>	<b>10</b>	<b>350</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Plugged**

Annular Seal Data: **No Data**

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **No Data**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which  
contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**  
**185 Angel Fire Rd.**  
**Dripping Springs, TX 78620**

Driller Name: **michael scott** License Number: **59719**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	10	white limestone
10	20	grey / white limestone
20	100	grey limestone / shale mix
100	120	red clay / sandstone mix
120	170	red clay / tan sandstone
170	180	gravel mix wb .5gpm
180	240	red clay / tan limestone
240	350	grey clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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**(512) 334-5540**

## **Attachment 17**

### Groundwater Quality Technical Report

To Be Provided Later

## **Attachment 18**

### Soil Map





United States  
Department of  
Agriculture

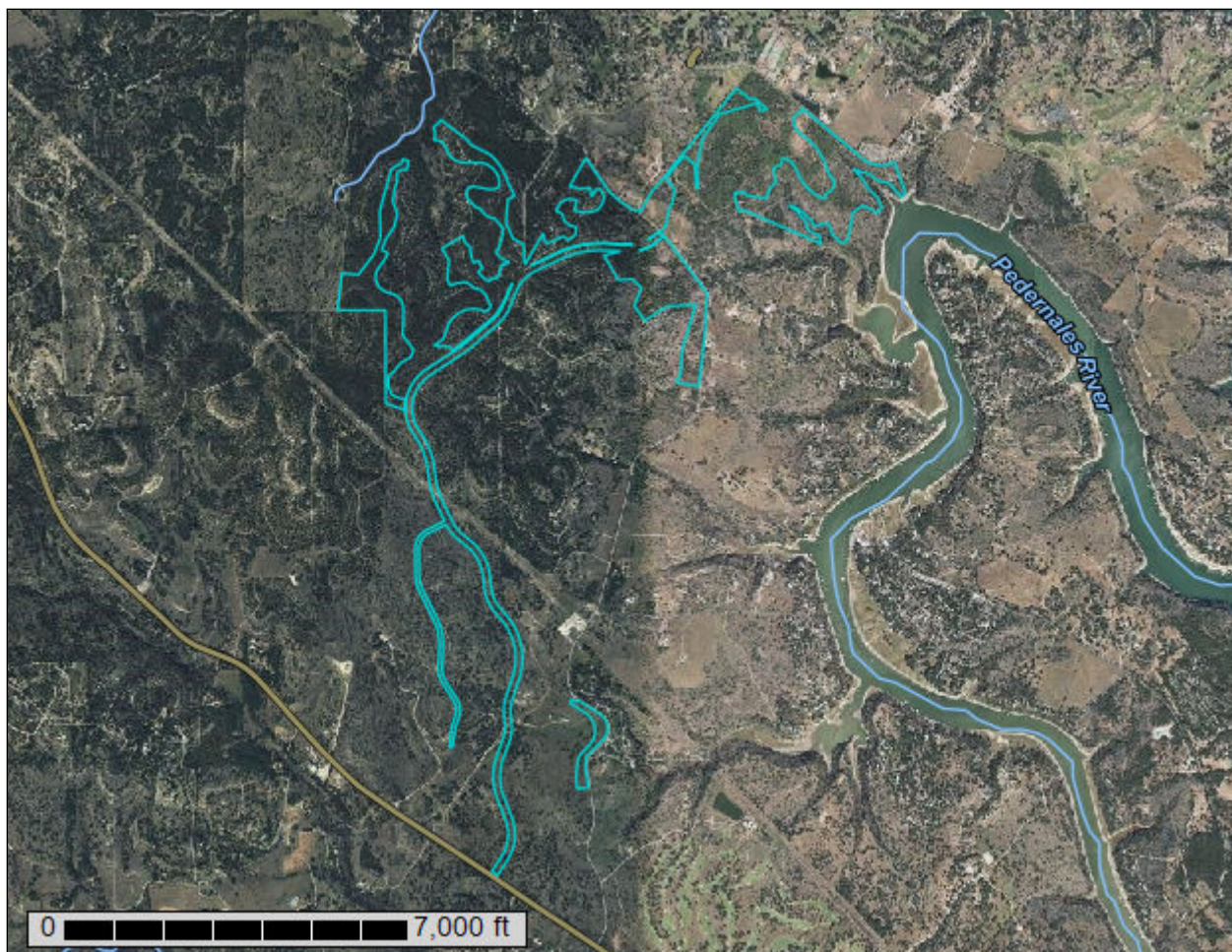
**NRCS**

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for Blanco and Burnet Counties, Texas, and Travis County, Texas

## Soip Map



# Preface

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Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# How Soil Surveys Are Made

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Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

## Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

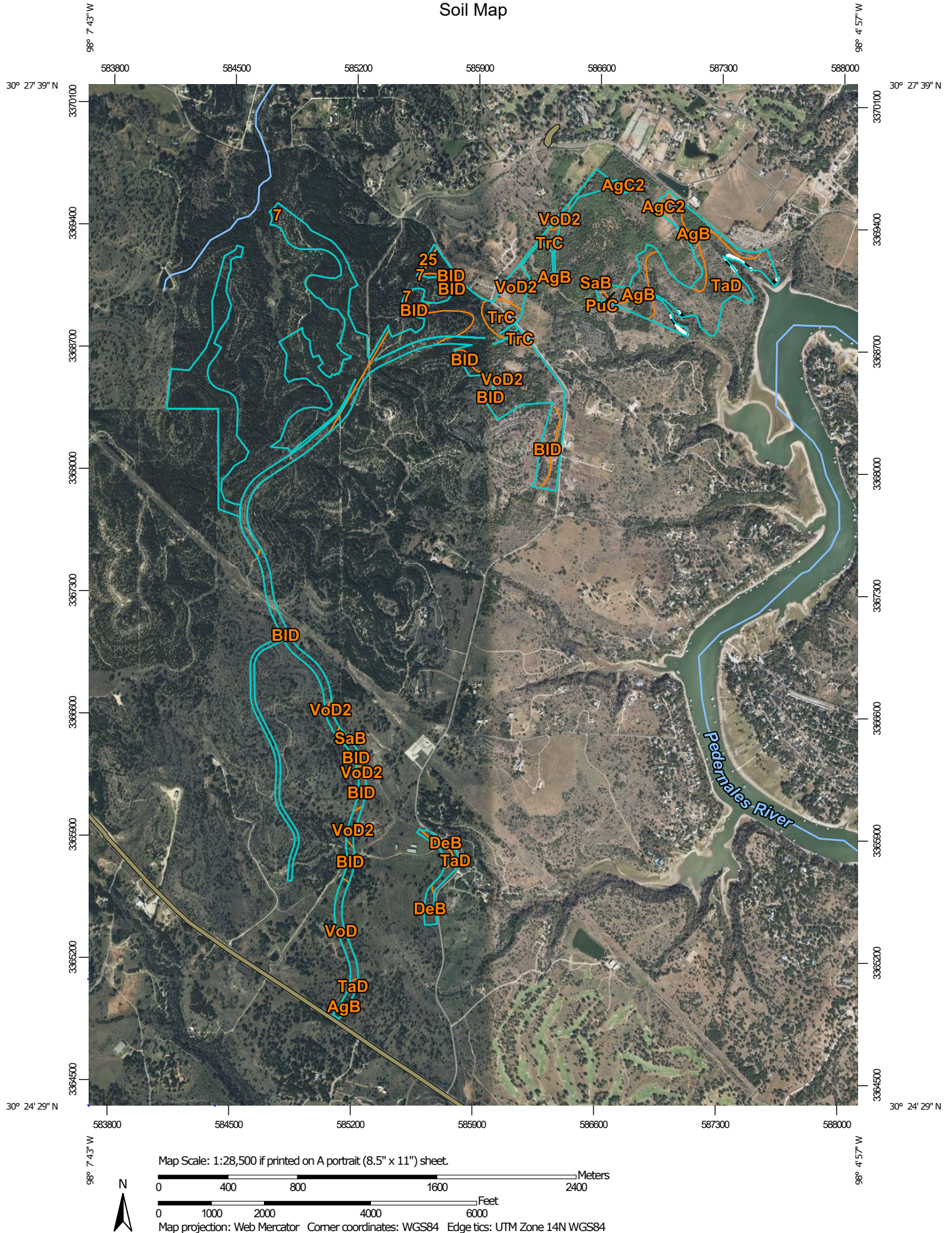
# Soil Map

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The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.



# Custom Soil Resource Report Soil Map





# Custom Soil Resource Report

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot

 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

### Water Features

 Streams and Canals

### Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:24,000 to 1:31,700.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Blanco and Burnet Counties, Texas

Survey Area Data: Version 21, Aug 30, 2024

Soil Survey Area: Travis County, Texas

Survey Area Data: Version 26, Aug 30, 2024

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 2, 2016—Nov 25, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

## MAP LEGEND

## MAP INFORMATION

imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
7	Brackett-Real association, 10 to 30 percent slopes	119.8	31.9%
25	Krum clay, 3 to 5 percent slopes	1.0	0.3%
<b>Subtotals for Soil Survey Area</b>		<b>120.9</b>	<b>32.2%</b>
<b>Totals for Area of Interest</b>		<b>375.1</b>	<b>100.0%</b>

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AgB	Altoga silty clay, 1 to 3 percent slopes	19.5	5.2%
AgC2	Altoga silty clay, 3 to 6 percent slopes, moderately eroded	1.2	0.3%
BID	Brackett-Rock outcrop complex, 1 to 12 percent slopes	62.5	16.7%
DeB	Denton silty clay, 1 to 3 percent slopes	5.0	1.3%
PuC	Purves clay, 1 to 5 percent slopes	10.7	2.8%
SaB	San Saba clay, 1 to 2 percent slopes	2.6	0.7%
TaD	Eckrant very stony clay, 5 to 18 percent slopes	53.0	14.1%
TrC	Travis soils, 1 to 5 percent slopes	18.6	5.0%
VoD	Volente silty clay loam, 1 to 8 percent slopes	6.2	1.7%
VoD2	Volente silty clay loam, 1 to 8 percent slopes, moderately eroded	75.0	20.0%
<b>Subtotals for Soil Survey Area</b>		<b>254.2</b>	<b>67.8%</b>
<b>Totals for Area of Interest</b>		<b>375.1</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the

characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered

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practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

## Blanco and Burnet Counties, Texas

### 7—Brackett-Real association, 10 to 30 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2t271  
*Elevation:* 670 to 2,000 feet  
*Mean annual precipitation:* 30 to 37 inches  
*Mean annual air temperature:* 64 to 68 degrees F  
*Frost-free period:* 230 to 265 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Brackett and similar soils:* 58 percent  
*Real and similar soils:* 30 percent  
*Minor components:* 12 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Brackett

##### Setting

*Landform:* Ridges  
*Landform position (two-dimensional):* Shoulder, backslope, footslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Residuum weathered from limestone

##### Typical profile

*A - 0 to 6 inches:* gravelly clay loam  
*Bk - 6 to 14 inches:* gravelly clay loam  
*Cr - 14 to 60 inches:* bedrock

##### Properties and qualities

*Slope:* 10 to 30 percent  
*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock  
*Drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to high  
(0.06 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 90 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* Very low (about 1.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* D  
*Ecological site:* R081CY362TX - Steep Adobe 29-35 PZ  
*Hydric soil rating:* No

## Description of Real

### Setting

*Landform:* Ridges  
*Landform position (two-dimensional):* Backslope, footslope  
*Landform position (three-dimensional):* Side slope, base slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Residuum weathered from limestone

### Typical profile

*A - 0 to 8 inches:* gravelly clay loam  
*Ak - 8 to 15 inches:* extremely gravelly clay loam  
*Cr - 15 to 60 inches:* bedrock

### Properties and qualities

*Slope:* 10 to 30 percent  
*Depth to restrictive feature:* 8 to 19 inches to paralithic bedrock  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to high (0.06 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 70 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* Very low (about 1.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* D  
*Ecological site:* R081CY362TX - Steep Adobe 29-35 PZ  
*Hydric soil rating:* No

## Minor Components

### Tarpley

*Percent of map unit:* 3 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Ecological site:* R081CY361TX - Redland 29-35 PZ  
*Hydric soil rating:* No

### Doss

*Percent of map unit:* 3 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Ecological site:* R081CY574TX - Shallow 29-35 PZ



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*Hydric soil rating:* No

### **Eckrant**

*Percent of map unit:* 3 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Summit, shoulder, backslope, footslope

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Ecological site:* R081CY363TX - Steep Rocky 29-35 PZ

*Hydric soil rating:* No

### **Rock outcrop**

*Percent of map unit:* 3 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Summit, shoulder, backslope, footslope

*Landform position (three-dimensional):* Interfluve, side slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Hydric soil rating:* No

## **25—Krum clay, 3 to 5 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2t2j6

*Elevation:* 620 to 1,820 feet

*Mean annual precipitation:* 31 to 37 inches

*Mean annual air temperature:* 65 to 69 degrees F

*Frost-free period:* 230 to 250 days

*Farmland classification:* All areas are prime farmland

### **Map Unit Composition**

*Krum and similar soils:* 90 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Krum**

#### **Setting**

*Landform:* Stream terraces

*Landform position (three-dimensional):* Riser

*Down-slope shape:* Concave

*Across-slope shape:* Linear

*Parent material:* Calcareous silty and clayey alluvium derived from limestone

#### **Typical profile**

*A - 0 to 13 inches:* clay

*Bk1 - 13 to 27 inches:* clay

*Bk2 - 27 to 40 inches:* clay

*Ck - 40 to 80 inches:* clay

**Properties and qualities**

*Slope:* 3 to 5 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 50 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 3.0  
*Available water supply, 0 to 60 inches:* Moderate (about 9.0 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

**Minor Components**

**Bolar**

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

**Doss**

*Percent of map unit:* 3 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Ecological site:* R081CY574TX - Shallow 29-35 PZ  
*Hydric soil rating:* No

**Lewisville**

*Percent of map unit:* 2 percent  
*Landform:* Stream terraces  
*Landform position (three-dimensional):* Riser  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No



## Travis County, Texas

### AgB—Altoga silty clay, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tr6s

*Elevation:* 330 to 970 feet

*Mean annual precipitation:* 34 to 38 inches

*Mean annual air temperature:* 66 to 69 degrees F

*Frost-free period:* 238 to 278 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Altoga and similar soils:* 95 percent

*Minor components:* 5 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Altoga

##### Setting

*Landform:* Stream terraces

*Landform position (three-dimensional):* Riser

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Parent material:* Calcareous clayey alluvium derived from mudstone

##### Typical profile

*Ap - 0 to 5 inches:* silty clay

*Bk - 5 to 40 inches:* silty clay

*C - 40 to 80 inches:* silty clay loam

##### Properties and qualities

*Slope:* 1 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 75 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water supply, 0 to 60 inches:* High (about 10.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* C

*Ecological site:* R086AY007TX - Southern Clay Loam

*Hydric soil rating:* No

#### Minor Components

##### Houston black

*Percent of map unit:* 5 percent

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*Landform:* Ridges  
*Landform position (two-dimensional):* Summit, shoulder  
*Landform position (three-dimensional):* Interfluve  
*Microfeatures of landform position:* Circular gilgai  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Ecological site:* R086AY011TX - Southern Blackland  
*Hydric soil rating:* No

### **AgC2—Altoga silty clay, 3 to 6 percent slopes, moderately eroded**

#### **Map Unit Setting**

*National map unit symbol:* f525  
*Elevation:* 500 to 1,500 feet  
*Mean annual precipitation:* 28 to 40 inches  
*Mean annual air temperature:* 64 to 70 degrees F  
*Frost-free period:* 230 to 270 days  
*Farmland classification:* Not prime farmland

#### **Map Unit Composition**

*Altoga, moderately eroded, and similar soils:* 95 percent  
*Minor components:* 5 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Altoga, Moderately Eroded**

##### **Setting**

*Landform:* Stream terraces  
*Landform position (three-dimensional):* Riser  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Clayey alluvium derived from mixed sources

##### **Typical profile**

*H1 - 0 to 5 inches:* silty clay  
*H2 - 5 to 24 inches:* silty clay loam  
*H3 - 24 to 60 inches:* silty clay loam

##### **Properties and qualities**

*Slope:* 3 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 75 percent  
*Available water supply, 0 to 60 inches:* High (about 10.2 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* B

*Ecological site:* R086AY007TX - Southern Clay Loam

*Hydric soil rating:* No

**Minor Components**

**Unnamed**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

**BID—Brackett-Rock outcrop complex, 1 to 12 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 2yltz

*Elevation:* 820 to 1,330 feet

*Mean annual precipitation:* 33 to 37 inches

*Mean annual air temperature:* 65 to 69 degrees F

*Frost-free period:* 220 to 260 days

*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Brackett and similar soils:* 68 percent

*Rock outcrop:* 20 percent

*Minor components:* 12 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Brackett**

**Setting**

*Landform:* Ridges

*Landform position (two-dimensional):* Shoulder, backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Residuum weathered from limestone

**Typical profile**

*A - 0 to 6 inches:* gravelly clay loam

*Bw - 6 to 18 inches:* clay loam

*Cr - 18 to 60 inches:* bedrock

**Properties and qualities**

*Slope:* 1 to 12 percent

*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock

*Drainage class:* Well drained

*Runoff class:* High

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*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to high  
(0.06 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 90 percent

*Gypsum, maximum content:* 5 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water supply, 0 to 60 inches:* Very low (about 2.4 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* D

*Ecological site:* R081CY355TX - Adobe 29-35 PZ

*Hydric soil rating:* No

### Description of Rock Outcrop

#### Setting

*Landform:* Ridges

*Landform position (two-dimensional):* Shoulder

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Limestone

#### Typical profile

*R - 0 to 48 inches:* bedrock

#### Properties and qualities

*Slope:* 3 to 12 percent

*Depth to restrictive feature:* 0 to 2 inches to lithic bedrock

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to high  
(0.06 to 1.98 in/hr)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8

*Hydrologic Soil Group:* D

*Hydric soil rating:* No

### Minor Components

#### San saba

*Percent of map unit:* 4 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Footslope, toeslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Linear

*Across-slope shape:* Concave

*Ecological site:* R081CY356TX - Blackland 29-35 PZ

*Hydric soil rating:* No

#### Volente

*Percent of map unit:* 4 percent

*Landform:* Ridges

## Custom Soil Resource Report

*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

### **Eckrant**

*Percent of map unit:* 4 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Shoulder, backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R081CY363TX - Steep Rocky 29-35 PZ  
*Hydric soil rating:* No

## **DeB—Denton silty clay, 1 to 3 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2t26l  
*Elevation:* 570 to 1,870 feet  
*Mean annual precipitation:* 31 to 36 inches  
*Mean annual air temperature:* 65 to 68 degrees F  
*Frost-free period:* 220 to 260 days  
*Farmland classification:* All areas are prime farmland

### **Map Unit Composition**

*Denton and similar soils:* 88 percent  
*Minor components:* 12 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Denton**

#### **Setting**

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Silty and clayey slope alluvium over residuum weathered from limestone

#### **Typical profile**

*A - 0 to 14 inches:* silty clay  
*Bw - 14 to 25 inches:* silty clay  
*Bk - 25 to 33 inches:* silty clay  
*Ck - 33 to 36 inches:* gravelly silty clay  
*R - 36 to 80 inches:* bedrock



**Properties and qualities**

*Slope:* 1 to 3 percent  
*Depth to restrictive feature:* 22 to 60 inches to lithic bedrock  
*Drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 80 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* Low (about 4.3 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3s  
*Hydrologic Soil Group:* D  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

**Minor Components**

**Krum**

*Percent of map unit:* 6 percent  
*Landform:* Drainageways  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

**Doss**

*Percent of map unit:* 4 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Ecological site:* R081BY343TX - Shallow 23-31 PZ  
*Hydric soil rating:* No

**Anhalt**

*Percent of map unit:* 2 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* R081CY358TX - Deep Redland 29-35 PZ  
*Hydric soil rating:* No

## **PuC—Purves clay, 1 to 5 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2ylvf  
*Elevation:* 400 to 1,800 feet  
*Mean annual precipitation:* 33 to 37 inches  
*Mean annual air temperature:* 65 to 69 degrees F  
*Frost-free period:* 220 to 260 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Purves and similar soils:* 90 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Purves**

#### **Setting**

*Landform:* Ridges  
*Landform position (two-dimensional):* Shoulder, backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from limestone

#### **Typical profile**

*Ak1 - 0 to 10 inches:* clay  
*Ak2 - 10 to 16 inches:* clay  
*Bk - 16 to 19 inches:* clay  
*R - 19 to 40 inches:* bedrock

#### **Properties and qualities**

*Slope:* 1 to 5 percent  
*Depth to restrictive feature:* 8 to 20 inches to lithic bedrock  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.57 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 50 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Very low (about 2.4 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4s  
*Hydrologic Soil Group:* D

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*Ecological site:* R081CY574TX - Shallow 29-35 PZ

*Hydric soil rating:* No

### Minor Components

#### Eckrant

*Percent of map unit:* 4 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Ecological site:* R081CY360TX - Low Stony Hill 29-35 PZ

*Hydric soil rating:* No

#### Brackett

*Percent of map unit:* 3 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Shoulder, backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Ecological site:* R081CY355TX - Adobe 29-35 PZ

*Hydric soil rating:* No

#### Doss

*Percent of map unit:* 2 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Ecological site:* R081CY574TX - Shallow 29-35 PZ

*Hydric soil rating:* No

#### Rock outcrop

*Percent of map unit:* 1 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Hydric soil rating:* No

### SaB—San Saba clay, 1 to 2 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2ylv0

*Elevation:* 800 to 1,300 feet

*Mean annual precipitation:* 30 to 35 inches

*Mean annual air temperature:* 65 to 69 degrees F

## Custom Soil Resource Report

*Frost-free period:* 220 to 260 days

*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*San saba and similar soils:* 95 percent

*Minor components:* 5 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of San Saba

#### Setting

*Landform:* Ridges

*Landform position (two-dimensional):* Footslope, toeslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Concave

*Across-slope shape:* Linear

*Parent material:* Calcareous clayey slope alluvium and/or residuum weathered from limestone and/or marl over hard residuum weathered from limestone

#### Typical profile

*A - 0 to 22 inches:* clay

*Bss - 22 to 38 inches:* clay

*R - 38 to 80 inches:* bedrock

#### Properties and qualities

*Slope:* 1 to 2 percent

*Depth to restrictive feature:* 24 to 40 inches to lithic bedrock

*Drainage class:* Moderately well drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 15 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Low (about 5.7 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* D

*Ecological site:* R081CY358TX - Deep Redland 29-35 PZ

*Hydric soil rating:* No

### Minor Components

#### Volente

*Percent of map unit:* 3 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Footslope, toeslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Concave

*Across-slope shape:* Linear

*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ

*Hydric soil rating:* No

**Speck**

*Percent of map unit:* 2 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Ecological site:* R081CY361TX - Redland 29-35 PZ  
*Hydric soil rating:* No

**TaD—Eckrant very stony clay, 5 to 18 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 2xmt6  
*Elevation:* 450 to 1,350 feet  
*Mean annual precipitation:* 30 to 35 inches  
*Mean annual air temperature:* 66 to 69 degrees F  
*Frost-free period:* 220 to 270 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Eckrant and similar soils:* 90 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Eckrant**

**Setting**

*Landform:* Ridges  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from limestone

**Typical profile**

*A1 - 0 to 5 inches:* very stony clay  
*A2 - 5 to 8 inches:* extremely flaggy clay  
*R - 8 to 30 inches:* bedrock

**Properties and qualities**

*Slope:* 5 to 18 percent  
*Depth to restrictive feature:* 6 to 14 inches to lithic bedrock  
*Drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.57 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None

## Custom Soil Resource Report

*Calcium carbonate, maximum content:* 40 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water supply, 0 to 60 inches:* Very low (about 0.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* D

*Ecological site:* R081CY360TX - Low Stony Hill 29-35 PZ

*Hydric soil rating:* No

### Minor Components

#### Rock outcrop

*Percent of map unit:* 5 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Hydric soil rating:* No

#### Brackett

*Percent of map unit:* 5 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Ecological site:* R081CY355TX - Adobe 29-35 PZ

*Hydric soil rating:* No

## TrC—Travis soils, 1 to 5 percent slopes

### Map Unit Setting

*National map unit symbol:* f66f

*Elevation:* 300 to 1,200 feet

*Mean annual precipitation:* 32 to 36 inches

*Mean annual air temperature:* 64 to 70 degrees F

*Frost-free period:* 240 to 270 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Travis and similar soils:* 95 percent

*Minor components:* 5 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Travis

#### Setting

*Landform:* Stream terraces

## Custom Soil Resource Report

*Landform position (three-dimensional):* Tread, riser

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Parent material:* Loamy alluvium of pleistocene age derived from mixed sources

### Typical profile

*H1 - 0 to 14 inches:* fine sandy loam

*H2 - 14 to 50 inches:* sandy clay

*H3 - 50 to 75 inches:* gravelly sandy clay loam

### Properties and qualities

*Slope:* 1 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 30.0

*Available water supply, 0 to 60 inches:* Moderate (about 7.1 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* C

*Ecological site:* R087AY005TX - Sandy Loam

*Hydric soil rating:* No

### Minor Components

#### Unnamed

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

## VoD—Volente silty clay loam, 1 to 8 percent slopes

### Map Unit Setting

*National map unit symbol:* 2ynhg

*Elevation:* 400 to 1,400 feet

*Mean annual precipitation:* 32 to 35 inches

*Mean annual air temperature:* 65 to 69 degrees F

*Frost-free period:* 230 to 260 days

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Volente and similar soils:* 75 percent

*Minor components:* 25 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Volente

### Setting

*Landform:* Ridges  
*Landform position (two-dimensional):* Footslope, toeslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Parent material:* Calcareous clayey colluvium and/or alluvium derived from limestone

### Typical profile

*A - 0 to 22 inches:* silty clay loam  
*BA - 22 to 36 inches:* silty clay  
*Bw - 36 to 46 inches:* silty clay  
*Ck - 46 to 59 inches:* clay loam

### Properties and qualities

*Slope:* 1 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* High  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.57 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 10 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* High (about 10.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* C  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

## Minor Components

### Lewisville

*Percent of map unit:* 15 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope, tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

### Brackett

*Percent of map unit:* 5 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Shoulder, backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear



## Custom Soil Resource Report

*Across-slope shape:* Convex  
*Ecological site:* R081CY355TX - Adobe 29-35 PZ  
*Hydric soil rating:* No

### **Eckrant**

*Percent of map unit:* 2 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Shoulder, backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R081CY360TX - Low Stony Hill 29-35 PZ  
*Hydric soil rating:* No

### **Orif**

*Percent of map unit:* 2 percent  
*Landform:* Drainageways  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Ecological site:* R081CY561TX - Loamy Bottomland 29-35 PZ  
*Hydric soil rating:* No

### **Rock outcrop**

*Percent of map unit:* 1 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Hydric soil rating:* No

## **VoD2—Volente silty clay loam, 1 to 8 percent slopes, moderately eroded**

### **Map Unit Setting**

*National map unit symbol:* 2ylvd  
*Elevation:* 400 to 1,400 feet  
*Mean annual precipitation:* 32 to 35 inches  
*Mean annual air temperature:* 65 to 69 degrees F  
*Frost-free period:* 230 to 260 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Volente, moderately eroded, and similar soils:* 75 percent  
*Minor components:* 25 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Volente, Moderately Eroded**

#### **Setting**

*Landform:* Ridges

## Custom Soil Resource Report

*Landform position (two-dimensional):* Footslope, toeslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Concave

*Across-slope shape:* Linear

*Parent material:* Calcareous clayey colluvium and/or alluvium derived from limestone

### Typical profile

*A - 0 to 13 inches:* silty clay loam

*BA - 13 to 27 inches:* silty clay

*Bw - 27 to 37 inches:* silty clay

*Ck - 37 to 59 inches:* clay loam

### Properties and qualities

*Slope:* 1 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.57 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 10 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water supply, 0 to 60 inches:* High (about 10.4 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ

*Hydric soil rating:* No

### Minor Components

#### Lewisville

*Percent of map unit:* 10 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Footslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ

*Hydric soil rating:* No

#### Altoga

*Percent of map unit:* 10 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Footslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* R086AY007TX - Southern Clay Loam

*Hydric soil rating:* No

## Custom Soil Resource Report

### **Brackett**

*Percent of map unit:* 5 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Shoulder, backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Ecological site:* R081CY355TX - Adobe 29-35 PZ

*Hydric soil rating:* No

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# Glossary

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Many of the terms relating to landforms, geology, and geomorphology are defined in more detail in the following National Soil Survey Handbook link: "[National Soil Survey Handbook](#)."

## **ABC soil**

A soil having an A, a B, and a C horizon.

## **Ablation till**

Loose, relatively permeable earthy material deposited during the downwasting of nearly static glacial ice, either contained within or accumulated on the surface of the glacier.

## **AC soil**

A soil having only an A and a C horizon. Commonly, such soil formed in recent alluvium or on steep, rocky slopes.

## **Aeration, soil**

The exchange of air in soil with air from the atmosphere. The air in a well aerated soil is similar to that in the atmosphere; the air in a poorly aerated soil is considerably higher in carbon dioxide and lower in oxygen.

## **Aggregate, soil**

Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

## **Alkali (sodic) soil**

A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

## **Alluvial cone**

A semiconical type of alluvial fan having very steep slopes. It is higher, narrower, and steeper than a fan and is composed of coarser and thicker layers of material deposited by a combination of alluvial episodes and (to a much lesser degree) landslides (debris flow). The coarsest materials tend to be concentrated at the apex of the cone.

**Alluvial fan**

A low, outspread mass of loose materials and/or rock material, commonly with gentle slopes. It is shaped like an open fan or a segment of a cone. The material was deposited by a stream at the place where it issues from a narrow mountain valley or upland valley or where a tributary stream is near or at its junction with the main stream. The fan is steepest near its apex, which points upstream, and slopes gently and convexly outward (downstream) with a gradual decrease in gradient.

**Alluvium**

Unconsolidated material, such as gravel, sand, silt, clay, and various mixtures of these, deposited on land by running water.

**Alpha,alpha-dipyridyl**

A compound that when dissolved in ammonium acetate is used to detect the presence of reduced iron (Fe II) in the soil. A positive reaction implies reducing conditions and the likely presence of redoximorphic features.

**Animal unit month (AUM)**

The amount of forage required by one mature cow of approximately 1,000 pounds weight, with or without a calf, for 1 month.

**Aquic conditions**

Current soil wetness characterized by saturation, reduction, and redoximorphic features.

**Argillic horizon**

A subsoil horizon characterized by an accumulation of illuvial clay.

**Arroyo**

The flat-floored channel of an ephemeral stream, commonly with very steep to vertical banks cut in unconsolidated material. It is usually dry but can be transformed into a temporary watercourse or short-lived torrent after heavy rain within the watershed.

**Aspect**

The direction toward which a slope faces. Also called slope aspect.

**Association, soil**

A group of soils or miscellaneous areas geographically associated in a characteristic repeating pattern and defined and delineated as a single map unit.

**Available water capacity (available moisture capacity)**

The capacity of soils to hold water available for use by most plants. It is commonly defined as the difference between the amount of soil water at field moisture capacity and the amount at wilting point. It is commonly expressed as inches of water per inch of soil. The capacity, in inches, in a 60-inch profile or to a limiting layer is expressed as:

*Very low:* 0 to 3

*Low:* 3 to 6

*Moderate:* 6 to 9

*High:* 9 to 12

*Very high:* More than 12

**Backslope**

The position that forms the steepest and generally linear, middle portion of a hillslope. In profile, backslopes are commonly bounded by a convex shoulder above and a concave footslope below.

**Backswamp**

A flood-plain landform. Extensive, marshy or swampy, depressed areas of flood plains between natural levees and valley sides or terraces.

**Badland**

A landscape that is intricately dissected and characterized by a very fine drainage network with high drainage densities and short, steep slopes and narrow interfluves. Badlands develop on surfaces that have little or no vegetative cover overlying unconsolidated or poorly cemented materials (clays, silts, or sandstones) with, in some cases, soluble minerals, such as gypsum or halite.

**Bajada**

A broad, gently inclined alluvial piedmont slope extending from the base of a mountain range out into a basin and formed by the lateral coalescence of a series of alluvial fans. Typically, it has a broadly undulating transverse profile, parallel to the mountain front, resulting from the convexities of component fans. The term is generally restricted to constructional slopes of intermontane basins.

**Basal area**

The area of a cross section of a tree, generally referring to the section at breast height and measured outside the bark. It is a measure of stand density, commonly expressed in square feet.

**Base saturation**

The degree to which material having cation-exchange properties is saturated with exchangeable bases (sum of Ca, Mg, Na, and K), expressed as a percentage of the total cation-exchange capacity.

**Base slope (geomorphology)**

A geomorphic component of hills consisting of the concave to linear (perpendicular to the contour) slope that, regardless of the lateral shape, forms an apron or wedge at the bottom of a hillside dominated by colluvium and slope-wash sediments (for example, slope alluvium).

**Bedding plane**

A planar or nearly planar bedding surface that visibly separates each successive layer of stratified sediment or rock (of the same or different lithology)



from the preceding or following layer; a plane of deposition. It commonly marks a change in the circumstances of deposition and may show a parting, a color difference, a change in particle size, or various combinations of these. The term is commonly applied to any bedding surface, even one that is conspicuously bent or deformed by folding.

**Bedding system**

A drainage system made by plowing, grading, or otherwise shaping the surface of a flat field. It consists of a series of low ridges separated by shallow, parallel dead furrows.

**Bedrock**

The solid rock that underlies the soil and other unconsolidated material or that is exposed at the surface.

**Bedrock-controlled topography**

A landscape where the configuration and relief of the landforms are determined or strongly influenced by the underlying bedrock.

**Bench terrace**

A raised, level or nearly level strip of earth constructed on or nearly on a contour, supported by a barrier of rocks or similar material, and designed to make the soil suitable for tillage and to prevent accelerated erosion.

**Bisequum**

Two sequences of soil horizons, each of which consists of an illuvial horizon and the overlying eluvial horizons.

**Blowout (map symbol)**

A saucer-, cup-, or trough-shaped depression formed by wind erosion on a preexisting dune or other sand deposit, especially in an area of shifting sand or loose soil or where protective vegetation is disturbed or destroyed. The adjoining accumulation of sand derived from the depression, where recognizable, is commonly included. Blowouts are commonly small.

**Borrow pit (map symbol)**

An open excavation from which soil and underlying material have been removed, usually for construction purposes.

**Bottom land**

An informal term loosely applied to various portions of a flood plain.

**Boulders**

Rock fragments larger than 2 feet (60 centimeters) in diameter.

**Breaks**

A landscape or tract of steep, rough or broken land dissected by ravines and gullies and marking a sudden change in topography.

**Breast height**

An average height of 4.5 feet above the ground surface; the point on a tree where diameter measurements are ordinarily taken.

**Brush management**

Use of mechanical, chemical, or biological methods to make conditions favorable for reseeding or to reduce or eliminate competition from woody vegetation and thus allow understory grasses and forbs to recover. Brush management increases forage production and thus reduces the hazard of erosion. It can improve the habitat for some species of wildlife.

**Butte**

An isolated, generally flat-topped hill or mountain with relatively steep slopes and talus or precipitous cliffs and characterized by summit width that is less than the height of bounding escarpments; commonly topped by a caprock of resistant material and representing an erosion remnant carved from flat-lying rocks.

**Cable yarding**

A method of moving felled trees to a nearby central area for transport to a processing facility. Most cable yarding systems involve use of a drum, a pole, and wire cables in an arrangement similar to that of a rod and reel used for fishing. To reduce friction and soil disturbance, felled trees generally are reeled in while one end is lifted or the entire log is suspended.

**Calcareous soil**

A soil containing enough calcium carbonate (commonly combined with magnesium carbonate) to effervesce visibly when treated with cold, dilute hydrochloric acid.

**Caliche**

A general term for a prominent zone of secondary carbonate accumulation in surficial materials in warm, subhumid to arid areas. Caliche is formed by both geologic and pedologic processes. Finely crystalline calcium carbonate forms a nearly continuous surface-coating and void-filling medium in geologic (parent) materials. Cementation ranges from weak in nonindurated forms to very strong in indurated forms. Other minerals (e.g., carbonates, silicate, and sulfate) may occur as accessory cements. Most petrocalcic horizons and some calcic horizons are caliche.

**California bearing ratio (CBR)**

The load-supporting capacity of a soil as compared to that of standard crushed limestone, expressed as a ratio. First standardized in California. A soil having a CBR of 16 supports 16 percent of the load that would be supported by standard crushed limestone, per unit area, with the same degree of distortion.

**Canopy**

The leafy crown of trees or shrubs. (See Crown.)

**Canyon**

A long, deep, narrow valley with high, precipitous walls in an area of high local relief.

**Capillary water**

Water held as a film around soil particles and in tiny spaces between particles. Surface tension is the adhesive force that holds capillary water in the soil.

**Catena**

A sequence, or “chain,” of soils on a landscape that formed in similar kinds of parent material and under similar climatic conditions but that have different characteristics as a result of differences in relief and drainage.

**Cation**

An ion carrying a positive charge of electricity. The common soil cations are calcium, potassium, magnesium, sodium, and hydrogen.

**Cation-exchange capacity**

The total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. The term, as applied to soils, is synonymous with base-exchange capacity but is more precise in meaning.

**Catsteps**

See Terracettes.

**Cement rock**

Shaly limestone used in the manufacture of cement.

**Channery soil material**

Soil material that has, by volume, 15 to 35 percent thin, flat fragments of sandstone, shale, slate, limestone, or schist as much as 6 inches (15 centimeters) along the longest axis. A single piece is called a channer.

**Chemical treatment**

Control of unwanted vegetation through the use of chemicals.

**Chiseling**

Tillage with an implement having one or more soil-penetrating points that shatter or loosen hard, compacted layers to a depth below normal plow depth.

**Cirque**

A steep-walled, semicircular or crescent-shaped, half-bowl-like recess or hollow, commonly situated at the head of a glaciated mountain valley or high on the side of a mountain. It was produced by the erosive activity of a mountain glacier. It commonly contains a small round lake (tarn).

**Clay**

As a soil separate, the mineral soil particles less than 0.002 millimeter in diameter. As a soil textural class, soil material that is 40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.

**Clay depletions**

See Redoximorphic features.

**Clay film**

A thin coating of oriented clay on the surface of a soil aggregate or lining pores or root channels. Synonyms: clay coating, clay skin.

**Clay spot (map symbol)**

A spot where the surface texture is silty clay or clay in areas where the surface layer of the soils in the surrounding map unit is sandy loam, loam, silt loam, or coarser.

**Claypan**

A dense, compact subsoil layer that contains much more clay than the overlying materials, from which it is separated by a sharply defined boundary. The layer restricts the downward movement of water through the soil. A claypan is commonly hard when dry and plastic and sticky when wet.

**Climax plant community**

The stabilized plant community on a particular site. The plant cover reproduces itself and does not change so long as the environment remains the same.

**Coarse textured soil**

Sand or loamy sand.

**Cobble (or cobblestone)**

A rounded or partly rounded fragment of rock 3 to 10 inches (7.6 to 25 centimeters) in diameter.

**Cobbly soil material**

Material that has 15 to 35 percent, by volume, rounded or partially rounded rock fragments 3 to 10 inches (7.6 to 25 centimeters) in diameter. Very cobbly soil material has 35 to 60 percent of these rock fragments, and extremely cobbly soil material has more than 60 percent.

**COLE (coefficient of linear extensibility)**

See Linear extensibility.

**Colluvium**

Unconsolidated, unsorted earth material being transported or deposited on side slopes and/or at the base of slopes by mass movement (e.g., direct gravitational action) and by local, unconcentrated runoff.

**Complex slope**

Irregular or variable slope. Planning or establishing terraces, diversions, and other water-control structures on a complex slope is difficult.

**Complex, soil**

A map unit of two or more kinds of soil or miscellaneous areas in such an intricate pattern or so small in area that it is not practical to map them separately at the selected scale of mapping. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas.

**Concretions**

See Redoximorphic features.

**Conglomerate**

A coarse grained, clastic sedimentary rock composed of rounded or subangular rock fragments more than 2 millimeters in diameter. It commonly has a matrix of sand and finer textured material. Conglomerate is the consolidated equivalent of gravel.

**Conservation cropping system**

Growing crops in combination with needed cultural and management practices. In a good conservation cropping system, the soil-improving crops and practices more than offset the effects of the soil-depleting crops and practices. Cropping systems are needed on all tilled soils. Soil-improving practices in a conservation cropping system include the use of rotations that contain grasses and legumes and the return of crop residue to the soil. Other practices include the use of green manure crops of grasses and legumes, proper tillage, adequate fertilization, and weed and pest control.

**Conservation tillage**

A tillage system that does not invert the soil and that leaves a protective amount of crop residue on the surface throughout the year.

**Consistence, soil**

Refers to the degree of cohesion and adhesion of soil material and its resistance to deformation when ruptured. Consistence includes resistance of soil material to rupture and to penetration; plasticity, toughness, and stickiness of puddled soil material; and the manner in which the soil material behaves when subject to compression. Terms describing consistence are defined in the "Soil Survey Manual."

**Contour stripcropping**

Growing crops in strips that follow the contour. Strips of grass or close-growing crops are alternated with strips of clean-tilled crops or summer fallow.

**Control section**

The part of the soil on which classification is based. The thickness varies among different kinds of soil, but for many it is that part of the soil profile between depths of 10 inches and 40 or 80 inches.

**Coprogenous earth (sedimentary peat)**

A type of limnic layer composed predominantly of fecal material derived from aquatic animals.

**Corrosion (geomorphology)**

A process of erosion whereby rocks and soil are removed or worn away by natural chemical processes, especially by the solvent action of running water, but also by other reactions, such as hydrolysis, hydration, carbonation, and oxidation.

**Corrosion (soil survey interpretations)**

Soil-induced electrochemical or chemical action that dissolves or weakens concrete or uncoated steel.

**Cover crop**

A close-growing crop grown primarily to improve and protect the soil between periods of regular crop production, or a crop grown between trees and vines in orchards and vineyards.

**Crop residue management**

Returning crop residue to the soil, which helps to maintain soil structure, organic matter content, and fertility and helps to control erosion.

**Cropping system**

Growing crops according to a planned system of rotation and management practices.

**Cross-slope farming**

Deliberately conducting farming operations on sloping farmland in such a way that tillage is across the general slope.

**Crown**

The upper part of a tree or shrub, including the living branches and their foliage.

**Cryoturbate**

A mass of soil or other unconsolidated earthy material moved or disturbed by frost action. It is typically coarser than the underlying material.

**Cuesta**

An asymmetric ridge capped by resistant rock layers of slight or moderate dip (commonly less than 15 percent slopes); a type of homocline produced by differential erosion of interbedded resistant and weak rocks. A cuesta has a long, gentle slope on one side (dip slope) that roughly parallels the inclined beds; on the other side, it has a relatively short and steep or clifflike slope (scarp) that cuts through the tilted rocks.

**Culmination of the mean annual increment (CMAI)**

The average annual increase per acre in the volume of a stand. Computed by dividing the total volume of the stand by its age. As the stand increases in age, the mean annual increment continues to increase until mortality begins to reduce the rate of increase. The point where the stand reaches its maximum annual rate of growth is called the culmination of the mean annual increment.

**Cutbanks cave**

The walls of excavations tend to cave in or slough.

**Decreasers**

The most heavily grazed climax range plants. Because they are the most palatable, they are the first to be destroyed by overgrazing.

**Deferred grazing**

Postponing grazing or resting grazing land for a prescribed period.

**Delta**

A body of alluvium having a surface that is fan shaped and nearly flat; deposited at or near the mouth of a river or stream where it enters a body of relatively quiet water, generally a sea or lake.

**Dense layer**

A very firm, massive layer that has a bulk density of more than 1.8 grams per cubic centimeter. Such a layer affects the ease of digging and can affect filling and compacting.

**Depression, closed (map symbol)**

A shallow, saucer-shaped area that is slightly lower on the landscape than the surrounding area and that does not have a natural outlet for surface drainage.

**Depth, soil**

Generally, the thickness of the soil over bedrock. Very deep soils are more than 60 inches deep over bedrock; deep soils, 40 to 60 inches; moderately deep, 20 to 40 inches; shallow, 10 to 20 inches; and very shallow, less than 10 inches.

**Desert pavement**

A natural, residual concentration or layer of wind-polished, closely packed gravel, boulders, and other rock fragments mantling a desert surface. It forms where wind action and sheetwash have removed all smaller particles or where rock fragments have migrated upward through sediments to the surface. It typically protects the finer grained underlying material from further erosion.

**Diatomaceous earth**

A geologic deposit of fine, grayish siliceous material composed chiefly or entirely of the remains of diatoms.

**Dip slope**

A slope of the land surface, roughly determined by and approximately conforming to the dip of the underlying bedrock.

**Diversion (or diversion terrace)**

A ridge of earth, generally a terrace, built to protect downslope areas by diverting runoff from its natural course.

**Divided-slope farming**

A form of field stripcropping in which crops are grown in a systematic arrangement of two strips, or bands, across the slope to reduce the hazard of water erosion. One strip is in a close-growing crop that provides protection from erosion, and the other strip is in a crop that provides less protection from erosion. This practice is used where slopes are not long enough to permit a full stripcropping pattern to be used.

**Drainage class (natural)**

Refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized—*excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained*. These classes are defined in the “Soil Survey Manual.”

**Drainage, surface**

Runoff, or surface flow of water, from an area.

**Drainageway**

A general term for a course or channel along which water moves in draining an area. A term restricted to relatively small, linear depressions that at some time move concentrated water and either do not have a defined channel or have only a small defined channel.

**Draw**

A small stream valley that generally is shallower and more open than a ravine or gulch and that has a broader bottom. The present stream channel may appear inadequate to have cut the drainageway that it occupies.

**Drift**

A general term applied to all mineral material (clay, silt, sand, gravel, and boulders) transported by a glacier and deposited directly by or from the ice or transported by running water emanating from a glacier. Drift includes unstratified material (till) that forms moraines and stratified deposits that form outwash plains, eskers, kames, varves, and glaciofluvial sediments. The term is generally applied to Pleistocene glacial deposits in areas that no longer contain glaciers.



**Drumlin**

A low, smooth, elongated oval hill, mound, or ridge of compact till that has a core of bedrock or drift. It commonly has a blunt nose facing the direction from which the ice approached and a gentler slope tapering in the other direction. The longer axis is parallel to the general direction of glacier flow. Drumlins are products of streamline (laminar) flow of glaciers, which molded the subglacial floor through a combination of erosion and deposition.

**Duff**

A generally firm organic layer on the surface of mineral soils. It consists of fallen plant material that is in the process of decomposition and includes everything from the litter on the surface to underlying pure humus.

**Dune**

A low mound, ridge, bank, or hill of loose, windblown granular material (generally sand), either barren and capable of movement from place to place or covered and stabilized with vegetation but retaining its characteristic shape.

**Earthy fill**

See Mine spoil.

**Ecological site**

An area where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. An ecological site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other ecological sites in kind and/or proportion of species or in total production.

**Eluviation**

The movement of material in true solution or colloidal suspension from one place to another within the soil. Soil horizons that have lost material through eluviation are eluvial; those that have received material are illuvial.

**Endosaturation**

A type of saturation of the soil in which all horizons between the upper boundary of saturation and a depth of 2 meters are saturated.

**Eolian deposit**

Sand-, silt-, or clay-sized clastic material transported and deposited primarily by wind, commonly in the form of a dune or a sheet of sand or loess.

**Ephemeral stream**

A stream, or reach of a stream, that flows only in direct response to precipitation. It receives no long-continued supply from melting snow or other source, and its channel is above the water table at all times.

**Episaturation**

A type of saturation indicating a perched water table in a soil in which saturated layers are underlain by one or more unsaturated layers within 2 meters of the surface.

**Erosion**

The wearing away of the land surface by water, wind, ice, or other geologic agents and by such processes as gravitational creep.

**Erosion (accelerated)**

Erosion much more rapid than geologic erosion, mainly as a result of human or animal activities or of a catastrophe in nature, such as a fire, that exposes the surface.

**Erosion (geologic)**

Erosion caused by geologic processes acting over long geologic periods and resulting in the wearing away of mountains and the building up of such landscape features as flood plains and coastal plains. Synonym: natural erosion.

**Erosion pavement**

A surficial lag concentration or layer of gravel and other rock fragments that remains on the soil surface after sheet or rill erosion or wind has removed the finer soil particles and that tends to protect the underlying soil from further erosion.

**Erosion surface**

A land surface shaped by the action of erosion, especially by running water.

**Escarpment**

A relatively continuous and steep slope or cliff breaking the general continuity of more gently sloping land surfaces and resulting from erosion or faulting. Most commonly applied to cliffs produced by differential erosion. Synonym: scarp.

**Escarpment, bedrock (map symbol)**

A relatively continuous and steep slope or cliff, produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.

**Escarpment, nonbedrock (map symbol)**

A relatively continuous and steep slope or cliff, generally produced by erosion but in some places produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.

**Esker**

A long, narrow, sinuous, steep-sided ridge of stratified sand and gravel deposited as the bed of a stream flowing in an ice tunnel within or below the ice (subglacial) or between ice walls on top of the ice of a wasting glacier and left

behind as high ground when the ice melted. Eskers range in length from less than a kilometer to more than 160 kilometers and in height from 3 to 30 meters.

**Extrusive rock**

Igneous rock derived from deep-seated molten matter (magma) deposited and cooled on the earth's surface.

**Fallow**

Cropland left idle in order to restore productivity through accumulation of moisture. Summer fallow is common in regions of limited rainfall where cereal grain is grown. The soil is tilled for at least one growing season for weed control and decomposition of plant residue.

**Fan remnant**

A general term for landforms that are the remaining parts of older fan landforms, such as alluvial fans, that have been either dissected or partially buried.

**Fertility, soil**

The quality that enables a soil to provide plant nutrients, in adequate amounts and in proper balance, for the growth of specified plants when light, moisture, temperature, tilth, and other growth factors are favorable.

**Fibric soil material (peat)**

The least decomposed of all organic soil material. Peat contains a large amount of well preserved fiber that is readily identifiable according to botanical origin. Peat has the lowest bulk density and the highest water content at saturation of all organic soil material.

**Field moisture capacity**

The moisture content of a soil, expressed as a percentage of the oven-dry weight, after the gravitational, or free, water has drained away; the field moisture content 2 or 3 days after a soaking rain; also called *normal field capacity*, *normal moisture capacity*, or *capillary capacity*.

**Fill slope**

A sloping surface consisting of excavated soil material from a road cut. It commonly is on the downhill side of the road.

**Fine textured soil**

Sandy clay, silty clay, or clay.

**Firebreak**

An area cleared of flammable material to stop or help control creeping or running fires. It also serves as a line from which to work and to facilitate the movement of firefighters and equipment. Designated roads also serve as firebreaks.

**First bottom**

An obsolete, informal term loosely applied to the lowest flood-plain steps that are subject to regular flooding.

**Flaggy soil material**

Material that has, by volume, 15 to 35 percent flagstones. Very flaggy soil material has 35 to 60 percent flagstones, and extremely flaggy soil material has more than 60 percent flagstones.

**Flagstone**

A thin fragment of sandstone, limestone, slate, shale, or (rarely) schist 6 to 15 inches (15 to 38 centimeters) long.

**Flood plain**

The nearly level plain that borders a stream and is subject to flooding unless protected artificially.

**Flood-plain landforms**

A variety of constructional and erosional features produced by stream channel migration and flooding. Examples include backswamps, flood-plain splays, meanders, meander belts, meander scrolls, oxbow lakes, and natural levees.

**Flood-plain splay**

A fan-shaped deposit or other outspread deposit formed where an overloaded stream breaks through a levee (natural or artificial) and deposits its material (commonly coarse grained) on the flood plain.

**Flood-plain step**

An essentially flat, terrace-like alluvial surface within a valley that is frequently covered by floodwater from the present stream; any approximately horizontal surface still actively modified by fluvial scour and/or deposition. May occur individually or as a series of steps.

**Fluvial**

Of or pertaining to rivers or streams; produced by stream or river action.

**Foothills**

A region of steeply sloping hills that fringes a mountain range or high-plateau escarpment. The hills have relief of as much as 1,000 feet (300 meters).

**Footslope**

The concave surface at the base of a hillslope. A footslope is a transition zone between upslope sites of erosion and transport (shoulders and backslopes) and downslope sites of deposition (toeslopes).

**Forb**

Any herbaceous plant not a grass or a sedge.

**Forest cover**

All trees and other woody plants (underbrush) covering the ground in a forest.

**Forest type**

A stand of trees similar in composition and development because of given physical and biological factors by which it may be differentiated from other stands.

**Fragipan**

A loamy, brittle subsurface horizon low in porosity and content of organic matter and low or moderate in clay but high in silt or very fine sand. A fragipan appears cemented and restricts roots. When dry, it is hard or very hard and has a higher bulk density than the horizon or horizons above. When moist, it tends to rupture suddenly under pressure rather than to deform slowly.

**Genesis, soil**

The mode of origin of the soil. Refers especially to the processes or soil-forming factors responsible for the formation of the solum, or true soil, from the unconsolidated parent material.

**Gilgai**

Commonly, a succession of microbasins and microknolls in nearly level areas or of microvalleys and microridges parallel with the slope. Typically, the microrelief of clayey soils that shrink and swell considerably with changes in moisture content.

**Glaciofluvial deposits**

Material moved by glaciers and subsequently sorted and deposited by streams flowing from the melting ice. The deposits are stratified and occur in the form of outwash plains, valley trains, deltas, kames, eskers, and kame terraces.

**Glaciolacustrine deposits**

Material ranging from fine clay to sand derived from glaciers and deposited in glacial lakes mainly by glacial meltwater. Many deposits are bedded or laminated.

**Gleyed soil**

Soil that formed under poor drainage, resulting in the reduction of iron and other elements in the profile and in gray colors.

**Graded stripcropping**

Growing crops in strips that grade toward a protected waterway.

**Grassed waterway**

A natural or constructed waterway, typically broad and shallow, seeded to grass as protection against erosion. Conducts surface water away from cropland.

**Gravel**

Rounded or angular fragments of rock as much as 3 inches (2 millimeters to 7.6 centimeters) in diameter. An individual piece is a pebble.

**Gravel pit (map symbol)**

An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel.

**Gravelly soil material**

Material that has 15 to 35 percent, by volume, rounded or angular rock fragments, not prominently flattened, as much as 3 inches (7.6 centimeters) in diameter.

**Gravelly spot (map symbol)**

A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area that has less than 15 percent rock fragments.

**Green manure crop (agronomy)**

A soil-improving crop grown to be plowed under in an early stage of maturity or soon after maturity.

**Ground water**

Water filling all the unblocked pores of the material below the water table.

**Gully (map symbol)**

A small, steep-sided channel caused by erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. The distinction between a gully and a rill is one of depth. A gully generally is an obstacle to farm machinery and is too deep to be obliterated by ordinary tillage whereas a rill is of lesser depth and can be smoothed over by ordinary tillage.

**Hard bedrock**

Bedrock that cannot be excavated except by blasting or by the use of special equipment that is not commonly used in construction.

**Hard to reclaim**

Reclamation is difficult after the removal of soil for construction and other uses. Revegetation and erosion control are extremely difficult.

**Hardpan**

A hardened or cemented soil horizon, or layer. The soil material is sandy, loamy, or clayey and is cemented by iron oxide, silica, calcium carbonate, or other substance.

**Head slope (geomorphology)**

A geomorphic component of hills consisting of a laterally concave area of a hillside, especially at the head of a drainageway. The overland waterflow is converging.

**Hemic soil material (mucky peat)**

Organic soil material intermediate in degree of decomposition between the less decomposed fibric material and the more decomposed sapric material.

**High-residue crops**

Such crops as small grain and corn used for grain. If properly managed, residue from these crops can be used to control erosion until the next crop in the rotation is established. These crops return large amounts of organic matter to the soil.

**Hill**

A generic term for an elevated area of the land surface, rising as much as 1,000 feet above surrounding lowlands, commonly of limited summit area and having a well defined outline. Slopes are generally more than 15 percent. The distinction between a hill and a mountain is arbitrary and may depend on local usage.

**Hillslope**

A generic term for the steeper part of a hill between its summit and the drainage line, valley flat, or depression floor at the base of a hill.

**Horizon, soil**

A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil-forming processes. In the identification of soil horizons, an uppercase letter represents the major horizons. Numbers or lowercase letters that follow represent subdivisions of the major horizons. An explanation of the subdivisions is given in the "Soil Survey Manual." The major horizons of mineral soil are as follows:

*O horizon:* An organic layer of fresh and decaying plant residue.

*L horizon:* A layer of organic and mineral limnic materials, including coprogenous earth (sedimentary peat), diatomaceous earth, and marl.

*A horizon:* The mineral horizon at or near the surface in which an accumulation of humified organic matter is mixed with the mineral material. Also, a plowed surface horizon, most of which was originally part of a B horizon.

*E horizon:* The mineral horizon in which the main feature is loss of silicate clay, iron, aluminum, or some combination of these.

*B horizon:* The mineral horizon below an A horizon. The B horizon is in part a layer of transition from the overlying A to the underlying C horizon. The B horizon also has distinctive characteristics, such as (1) accumulation of clay, sesquioxides, humus, or a combination of these; (2) prismatic or blocky structure; (3) redder or browner colors than those in the A horizon; or (4) a combination of these.

*C horizon:* The mineral horizon or layer, excluding indurated bedrock, that is little affected by soil-forming processes and does not have the properties typical of the overlying soil material. The material of a C horizon may be either like or unlike that in which the solum formed. If the material is known to differ from that in the solum, an Arabic numeral, commonly a 2, precedes the letter C.

*Cr horizon:* Soft, consolidated bedrock beneath the soil.

*R layer:* Consolidated bedrock beneath the soil. The bedrock commonly underlies a C horizon, but it can be directly below an A or a B horizon.

*M layer:* A root-limiting subsoil layer consisting of nearly continuous, horizontally oriented, human-manufactured materials.

*W layer:* A layer of water within or beneath the soil.

## **Humus**

The well decomposed, more or less stable part of the organic matter in mineral soils.

## **Hydrologic soil groups**

Refers to soils grouped according to their runoff potential. The soil properties that influence this potential are those that affect the minimum rate of water infiltration on a bare soil during periods after prolonged wetting when the soil is not frozen. These properties include depth to a seasonal high water table, the infiltration rate, and depth to a layer that significantly restricts the downward movement of water. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff.

## **Igneous rock**

Rock that was formed by cooling and solidification of magma and that has not been changed appreciably by weathering since its formation. Major varieties include plutonic and volcanic rock (e.g., andesite, basalt, and granite).

## **Illuviation**

The movement of soil material from one horizon to another in the soil profile. Generally, material is removed from an upper horizon and deposited in a lower horizon.



**Impervious soil**

A soil through which water, air, or roots penetrate slowly or not at all. No soil is absolutely impervious to air and water all the time.

**Increasesers**

Species in the climax vegetation that increase in amount as the more desirable plants are reduced by close grazing. Increasesers commonly are the shorter plants and the less palatable to livestock.

**Infiltration**

The downward entry of water into the immediate surface of soil or other material, as contrasted with percolation, which is movement of water through soil layers or material.

**Infiltration capacity**

The maximum rate at which water can infiltrate into a soil under a given set of conditions.

**Infiltration rate**

The rate at which water penetrates the surface of the soil at any given instant, usually expressed in inches per hour. The rate can be limited by the infiltration capacity of the soil or the rate at which water is applied at the surface.

**Intake rate**

The average rate of water entering the soil under irrigation. Most soils have a fast initial rate; the rate decreases with application time. Therefore, intake rate for design purposes is not a constant but is a variable depending on the net irrigation application. The rate of water intake, in inches per hour, is expressed as follows:

*Very low:* Less than 0.2

*Low:* 0.2 to 0.4

*Moderately low:* 0.4 to 0.75

*Moderate:* 0.75 to 1.25

*Moderately high:* 1.25 to 1.75

*High:* 1.75 to 2.5

*Very high:* More than 2.5

**Interfluve**

A landform composed of the relatively undissected upland or ridge between two adjacent valleys containing streams flowing in the same general direction. An elevated area between two drainageways that sheds water to those drainageways.

**Interfluve (geomorphology)**

A geomorphic component of hills consisting of the uppermost, comparatively level or gently sloping area of a hill; shoulders of backwearing hillslopes can narrow the upland or can merge, resulting in a strongly convex shape.

### **Intermittent stream**

A stream, or reach of a stream, that does not flow year-round but that is commonly dry for 3 or more months out of 12 and whose channel is generally below the local water table. It flows only during wet periods or when it receives ground-water discharge or long, continued contributions from melting snow or other surface and shallow subsurface sources.

### **Invaders**

On range, plants that encroach into an area and grow after the climax vegetation has been reduced by grazing. Generally, plants invade following disturbance of the surface.

### **Iron depletions**

See Redoximorphic features.

### **Irrigation**

Application of water to soils to assist in production of crops. Methods of irrigation are:

*Basin:* Water is applied rapidly to nearly level plains surrounded by levees or dikes.

*Border:* Water is applied at the upper end of a strip in which the lateral flow of water is controlled by small earth ridges called border dikes, or borders.

*Controlled flooding:* Water is released at intervals from closely spaced field ditches and distributed uniformly over the field.

*Corrugation:* Water is applied to small, closely spaced furrows or ditches in fields of close-growing crops or in orchards so that it flows in only one direction.

*Drip (or trickle):* Water is applied slowly and under low pressure to the surface of the soil or into the soil through such applicators as emitters, porous tubing, or perforated pipe.

*Furrow:* Water is applied in small ditches made by cultivation implements. Furrows are used for tree and row crops.

*Sprinkler:* Water is sprayed over the soil surface through pipes or nozzles from a pressure system.

*Subirrigation:* Water is applied in open ditches or tile lines until the water table is raised enough to wet the soil.

*Wild flooding:* Water, released at high points, is allowed to flow onto an area without controlled distribution.

### **Kame**

A low mound, knob, hummock, or short irregular ridge composed of stratified sand and gravel deposited by a subglacial stream as a fan or delta at the margin of a melting glacier; by a supraglacial stream in a low place or hole on the surface of the glacier; or as a ponded deposit on the surface or at the margin of stagnant ice.

**Karst (topography)**

A kind of topography that formed in limestone, gypsum, or other soluble rocks by dissolution and that is characterized by closed depressions, sinkholes, caves, and underground drainage.

**Knoll**

A small, low, rounded hill rising above adjacent landforms.

**Ksat**

See Saturated hydraulic conductivity.

**Lacustrine deposit**

Material deposited in lake water and exposed when the water level is lowered or the elevation of the land is raised.

**Lake plain**

A nearly level surface marking the floor of an extinct lake filled by well sorted, generally fine textured, stratified deposits, commonly containing varves.

**Lake terrace**

A narrow shelf, partly cut and partly built, produced along a lakeshore in front of a scarp line of low cliffs and later exposed when the water level falls.

**Landfill (map symbol)**

An area of accumulated waste products of human habitation, either above or below natural ground level.

**Landslide**

A general, encompassing term for most types of mass movement landforms and processes involving the downslope transport and outward deposition of soil and rock materials caused by gravitational forces; the movement may or may not involve saturated materials. The speed and distance of movement, as well as the amount of soil and rock material, vary greatly.

**Large stones**

Rock fragments 3 inches (7.6 centimeters) or more across. Large stones adversely affect the specified use of the soil.

**Lava flow (map symbol)**

A solidified, commonly lobate body of rock formed through lateral, surface outpouring of molten lava from a vent or fissure.

**Leaching**

The removal of soluble material from soil or other material by percolating water.

**Levee (map symbol)**

An embankment that confines or controls water, especially one built along the banks of a river to prevent overflow onto lowlands.

**Linear extensibility**

Refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. Linear extensibility is used to determine the shrink-swell potential of soils. It is an expression of the volume change between the water content of the clod at  $1/3$ - or  $1/10$ -bar tension (33kPa or 10kPa tension) and oven dryness. Volume change is influenced by the amount and type of clay minerals in the soil. The volume change is the percent change for the whole soil. If it is expressed as a fraction, the resulting value is COLE, coefficient of linear extensibility.

**Liquid limit**

The moisture content at which the soil passes from a plastic to a liquid state.

**Loam**

Soil material that is 7 to 27 percent clay particles, 28 to 50 percent silt particles, and less than 52 percent sand particles.

**Loess**

Material transported and deposited by wind and consisting dominantly of silt-sized particles.

**Low strength**

The soil is not strong enough to support loads.

**Low-residue crops**

Such crops as corn used for silage, peas, beans, and potatoes. Residue from these crops is not adequate to control erosion until the next crop in the rotation is established. These crops return little organic matter to the soil.

**Marl**

An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal proportions; formed primarily under freshwater lacustrine conditions but also formed in more saline environments.

**Marsh or swamp (map symbol)**

A water-saturated, very poorly drained area that is intermittently or permanently covered by water. Sedges, cattails, and rushes are the dominant vegetation in marshes, and trees or shrubs are the dominant vegetation in swamps. Not used in map units where the named soils are poorly drained or very poorly drained.

**Mass movement**

A generic term for the dislodgment and downslope transport of soil and rock material as a unit under direct gravitational stress.

**Masses**

See Redoximorphic features.

**Meander belt**

The zone within which migration of a meandering channel occurs; the flood-plain area included between two imaginary lines drawn tangential to the outer bends of active channel loops.

**Meander scar**

A crescent-shaped, concave or linear mark on the face of a bluff or valley wall, produced by the lateral erosion of a meandering stream that impinged upon and undercut the bluff.

**Meander scroll**

One of a series of long, parallel, close-fitting, crescent-shaped ridges and troughs formed along the inner bank of a stream meander as the channel migrated laterally down-valley and toward the outer bank.

**Mechanical treatment**

Use of mechanical equipment for seeding, brush management, and other management practices.

**Medium textured soil**

Very fine sandy loam, loam, silt loam, or silt.

**Mesa**

A broad, nearly flat topped and commonly isolated landmass bounded by steep slopes or precipitous cliffs and capped by layers of resistant, nearly horizontal rocky material. The summit width is characteristically greater than the height of the bounding escarpments.

**Metamorphic rock**

Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement at depth in the earth's crust. Nearly all such rocks are crystalline.

**Mine or quarry (map symbol)**

An open excavation from which soil and underlying material have been removed and in which bedrock is exposed. Also denotes surface openings to underground mines.

**Mine spoil**

An accumulation of displaced earthy material, rock, or other waste material removed during mining or excavation. Also called earthy fill.

**Mineral soil**

Soil that is mainly mineral material and low in organic material. Its bulk density is more than that of organic soil.

**Minimum tillage**

Only the tillage essential to crop production and prevention of soil damage.

**Miscellaneous area**

A kind of map unit that has little or no natural soil and supports little or no vegetation.

**Miscellaneous water (map symbol)**

Small, constructed bodies of water that are used for industrial, sanitary, or mining applications and that contain water most of the year.

**Moderately coarse textured soil**

Coarse sandy loam, sandy loam, or fine sandy loam.

**Moderately fine textured soil**

Clay loam, sandy clay loam, or silty clay loam.

**Mollic epipedon**

A thick, dark, humus-rich surface horizon (or horizons) that has high base saturation and pedogenic soil structure. It may include the upper part of the subsoil.

**Moraine**

In terms of glacial geology, a mound, ridge, or other topographically distinct accumulation of unsorted, unstratified drift, predominantly till, deposited primarily by the direct action of glacial ice in a variety of landforms. Also, a general term for a landform composed mainly of till (except for kame moraines, which are composed mainly of stratified outwash) that has been deposited by a glacier. Some types of moraines are disintegration, end, ground, kame, lateral, recessional, and terminal.

**Morphology, soil**

The physical makeup of the soil, including the texture, structure, porosity, consistence, color, and other physical, mineral, and biological properties of the various horizons, and the thickness and arrangement of those horizons in the soil profile.

**Mottling, soil**

Irregular spots of different colors that vary in number and size. Descriptive terms are as follows: abundance—*few*, *common*, and *many*; size—*fine*, *medium*, and *coarse*; and contrast—*faint*, *distinct*, and *prominent*. The size measurements are of the diameter along the greatest dimension. *Fine* indicates less than 5 millimeters (about 0.2 inch); *medium*, from 5 to 15 millimeters (about 0.2 to 0.6 inch); and *coarse*, more than 15 millimeters (about 0.6 inch).

**Mountain**

A generic term for an elevated area of the land surface, rising more than 1,000 feet (300 meters) above surrounding lowlands, commonly of restricted summit area (relative to a plateau) and generally having steep sides. A mountain can

occur as a single, isolated mass or in a group forming a chain or range. Mountains are formed primarily by tectonic activity and/or volcanic action but can also be formed by differential erosion.

**Muck**

Dark, finely divided, well decomposed organic soil material. (See Sapric soil material.)

**Mucky peat**

See Hemic soil material.

**Mudstone**

A blocky or massive, fine grained sedimentary rock in which the proportions of clay and silt are approximately equal. Also, a general term for such material as clay, silt, claystone, siltstone, shale, and argillite and that should be used only when the amounts of clay and silt are not known or cannot be precisely identified.

**Munsell notation**

A designation of color by degrees of three simple variables—hue, value, and chroma. For example, a notation of 10YR 6/4 is a color with hue of 10YR, value of 6, and chroma of 4.

**Natric horizon**

A special kind of argillic horizon that contains enough exchangeable sodium to have an adverse effect on the physical condition of the subsoil.

**Neutral soil**

A soil having a pH value of 6.6 to 7.3. (See Reaction, soil.)

**Nodules**

See Redoximorphic features.

**Nose slope (geomorphology)**

A geomorphic component of hills consisting of the projecting end (laterally convex area) of a hillside. The overland waterflow is predominantly divergent. Nose slopes consist dominantly of colluvium and slope-wash sediments (for example, slope alluvium).

**Nutrient, plant**

Any element taken in by a plant essential to its growth. Plant nutrients are mainly nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, copper, boron, and zinc obtained from the soil and carbon, hydrogen, and oxygen obtained from the air and water.

**Organic matter**

Plant and animal residue in the soil in various stages of decomposition. The content of organic matter in the surface layer is described as follows:

*Very low:* Less than 0.5 percent

*Low:* 0.5 to 1.0 percent

*Moderately low:* 1.0 to 2.0 percent

*Moderate:* 2.0 to 4.0 percent

*High:* 4.0 to 8.0 percent

*Very high:* More than 8.0 percent

**Outwash**

Stratified and sorted sediments (chiefly sand and gravel) removed or “washed out” from a glacier by meltwater streams and deposited in front of or beyond the end moraine or the margin of a glacier. The coarser material is deposited nearer to the ice.

**Outwash plain**

An extensive lowland area of coarse textured glaciofluvial material. An outwash plain is commonly smooth; where pitted, it generally is low in relief.

**Paleoterrace**

An erosional remnant of a terrace that retains the surface form and alluvial deposits of its origin but was not emplaced by, and commonly does not grade to, a present-day stream or drainage network.

**Pan**

A compact, dense layer in a soil that impedes the movement of water and the growth of roots. For example, *hardpan*, *fragipan*, *claypan*, *plowpan*, and *traffic pan*.

**Parent material**

The unconsolidated organic and mineral material in which soil forms.

**Peat**

Unconsolidated material, largely undecomposed organic matter, that has accumulated under excess moisture. (See Fibric soil material.)

**Ped**

An individual natural soil aggregate, such as a granule, a prism, or a block.

**Pedisediment**

A layer of sediment, eroded from the shoulder and backslope of an erosional slope, that lies on and is being (or was) transported across a gently sloping erosional surface at the foot of a receding hill or mountain slope.

**Pedon**

The smallest volume that can be called “a soil.” A pedon is three dimensional and large enough to permit study of all horizons. Its area ranges from about 10 to 100 square feet (1 square meter to 10 square meters), depending on the variability of the soil.



**Percolation**

The movement of water through the soil.

**Perennial water (map symbol)**

Small, natural or constructed lakes, ponds, or pits that contain water most of the year.

**Permafrost**

Ground, soil, or rock that remains at or below 0 degrees C for at least 2 years. It is defined on the basis of temperature and is not necessarily frozen.

**pH value**

A numerical designation of acidity and alkalinity in soil. (See Reaction, soil.)

**Phase, soil**

A subdivision of a soil series based on features that affect its use and management, such as slope, stoniness, and flooding.

**Piping**

Formation of subsurface tunnels or pipelike cavities by water moving through the soil.

**Pitting**

Pits caused by melting around ice. They form on the soil after plant cover is removed.

**Plastic limit**

The moisture content at which a soil changes from semisolid to plastic.

**Plasticity index**

The numerical difference between the liquid limit and the plastic limit; the range of moisture content within which the soil remains plastic.

**Plateau (geomorphology)**

A comparatively flat area of great extent and elevation; specifically, an extensive land region that is considerably elevated (more than 100 meters) above the adjacent lower lying terrain, is commonly limited on at least one side by an abrupt descent, and has a flat or nearly level surface. A comparatively large part of a plateau surface is near summit level.

**Playa**

The generally dry and nearly level lake plain that occupies the lowest parts of closed depressions, such as those on intermontane basin floors. Temporary flooding occurs primarily in response to precipitation and runoff. Playa deposits are fine grained and may or may not have a high water table and saline conditions.

**Plinthite**

The sesquioxide-rich, humus-poor, highly weathered mixture of clay with quartz and other diluents. It commonly appears as red mottles, usually in platy, polygonal, or reticulate patterns. Plinthite changes irreversibly to an ironstone hardpan or to irregular aggregates on repeated wetting and drying, especially if it is exposed also to heat from the sun. In a moist soil, plinthite can be cut with a spade. It is a form of laterite.

**Plowpan**

A compacted layer formed in the soil directly below the plowed layer.

**Ponding**

Standing water on soils in closed depressions. Unless the soils are artificially drained, the water can be removed only by percolation or evapotranspiration.

**Poorly graded**

Refers to a coarse grained soil or soil material consisting mainly of particles of nearly the same size. Because there is little difference in size of the particles, density can be increased only slightly by compaction.

**Pore linings**

See Redoximorphic features.

**Potential native plant community**

See Climax plant community.

**Potential rooting depth (effective rooting depth)**

Depth to which roots could penetrate if the content of moisture in the soil were adequate. The soil has no properties restricting the penetration of roots to this depth.

**Prescribed burning**

Deliberately burning an area for specific management purposes, under the appropriate conditions of weather and soil moisture and at the proper time of day.

**Productivity, soil**

The capability of a soil for producing a specified plant or sequence of plants under specific management.

**Profile, soil**

A vertical section of the soil extending through all its horizons and into the parent material.

**Proper grazing use**

Grazing at an intensity that maintains enough cover to protect the soil and maintain or improve the quantity and quality of the desirable vegetation. This practice increases the vigor and reproduction capacity of the key plants and

promotes the accumulation of litter and mulch necessary to conserve soil and water.

### **Rangeland**

Land on which the potential natural vegetation is predominantly grasses, grasslike plants, forbs, or shrubs suitable for grazing or browsing. It includes natural grasslands, savannas, many wetlands, some deserts, tundras, and areas that support certain forb and shrub communities.

### **Reaction, soil**

A measure of acidity or alkalinity of a soil, expressed as pH values. A soil that tests to pH 7.0 is described as precisely neutral in reaction because it is neither acid nor alkaline. The degrees of acidity or alkalinity, expressed as pH values, are:

*Ultra acid:* Less than 3.5

*Extremely acid:* 3.5 to 4.4

*Very strongly acid:* 4.5 to 5.0

*Strongly acid:* 5.1 to 5.5

*Moderately acid:* 5.6 to 6.0

*Slightly acid:* 6.1 to 6.5

*Neutral:* 6.6 to 7.3

*Slightly alkaline:* 7.4 to 7.8

*Moderately alkaline:* 7.9 to 8.4

*Strongly alkaline:* 8.5 to 9.0

*Very strongly alkaline:* 9.1 and higher

### **Red beds**

Sedimentary strata that are mainly red and are made up largely of sandstone and shale.

### **Redoximorphic concentrations**

See Redoximorphic features.

### **Redoximorphic depletions**

See Redoximorphic features.

### **Redoximorphic features**

Redoximorphic features are associated with wetness and result from alternating periods of reduction and oxidation of iron and manganese compounds in the soil. Reduction occurs during saturation with water, and oxidation occurs when the soil is not saturated. Characteristic color patterns are created by these processes. The reduced iron and manganese ions may be removed from a soil if vertical or lateral fluxes of water occur, in which case there is no iron or manganese precipitation in that soil. Wherever the iron and manganese are oxidized and precipitated, they form either soft masses or hard concretions or nodules. Movement of iron and manganese as a result of redoximorphic processes in a soil may result in redoximorphic features that are defined as follows:

1. Redoximorphic concentrations.—These are zones of apparent accumulation of iron-manganese oxides, including:
  - A. Nodules and concretions, which are cemented bodies that can be removed from the soil intact. Concretions are distinguished from nodules on the basis of internal organization. A concretion typically has concentric layers that are visible to the naked eye. Nodules do not have visible organized internal structure; *and*
  - B. Masses, which are noncemented concentrations of substances within the soil matrix; *and*
  - C. Pore linings, i.e., zones of accumulation along pores that may be either coatings on pore surfaces or impregnations from the matrix adjacent to the pores.
2. Redoximorphic depletions.—These are zones of low chroma (chromas less than those in the matrix) where either iron-manganese oxides alone or both iron-manganese oxides and clay have been stripped out, including:
  - A. Iron depletions, i.e., zones that contain low amounts of iron and manganese oxides but have a clay content similar to that of the adjacent matrix; *and*
  - B. Clay depletions, i.e., zones that contain low amounts of iron, manganese, and clay (often referred to as silt coatings or skeletans).
3. Reduced matrix.—This is a soil matrix that has low chroma *in situ* but undergoes a change in hue or chroma within 30 minutes after the soil material has been exposed to air.

**Reduced matrix**

See Redoximorphic features.

**Regolith**

All unconsolidated earth materials above the solid bedrock. It includes material weathered in place from all kinds of bedrock and alluvial, glacial, eolian, lacustrine, and pyroclastic deposits.

**Relief**

The relative difference in elevation between the upland summits and the lowlands or valleys of a given region.

**Residuum (residual soil material)**

Unconsolidated, weathered or partly weathered mineral material that accumulated as bedrock disintegrated in place.

**Rill**

A very small, steep-sided channel resulting from erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. A rill generally is not an obstacle to wheeled vehicles and is shallow enough to be smoothed over by ordinary tillage.

**Riser**

The vertical or steep side slope (e.g., escarpment) of terraces, flood-plain steps, or other stepped landforms; commonly a recurring part of a series of natural, steplike landforms, such as successive stream terraces.

**Road cut**

A sloping surface produced by mechanical means during road construction. It is commonly on the uphill side of the road.

**Rock fragments**

Rock or mineral fragments having a diameter of 2 millimeters or more; for example, pebbles, cobbles, stones, and boulders.

**Rock outcrop (map symbol)**

An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where “Rock outcrop” is a named component of the map unit.

**Root zone**

The part of the soil that can be penetrated by plant roots.

**Runoff**

The precipitation discharged into stream channels from an area. The water that flows off the surface of the land without sinking into the soil is called surface runoff. Water that enters the soil before reaching surface streams is called ground-water runoff or seepage flow from ground water.

**Saline soil**

A soil containing soluble salts in an amount that impairs growth of plants. A saline soil does not contain excess exchangeable sodium.

**Saline spot (map symbol)**

An area where the surface layer has an electrical conductivity of 8 mmhos/cm more than the surface layer of the named soils in the surrounding map unit. The surface layer of the surrounding soils has an electrical conductivity of 2 mmhos/cm or less.

**Sand**

As a soil separate, individual rock or mineral fragments from 0.05 millimeter to 2.0 millimeters in diameter. Most sand grains consist of quartz. As a soil textural class, a soil that is 85 percent or more sand and not more than 10 percent clay.

**Sandstone**

Sedimentary rock containing dominantly sand-sized particles.

**Sandy spot (map symbol)**

A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer.

**Sapric soil material (muck)**

The most highly decomposed of all organic soil material. Muck has the least amount of plant fiber, the highest bulk density, and the lowest water content at saturation of all organic soil material.

**Saturated hydraulic conductivity (Ksat)**

The ease with which pores of a saturated soil transmit water. Formally, the proportionality coefficient that expresses the relationship of the rate of water movement to hydraulic gradient in Darcy's Law, a law that describes the rate of water movement through porous media. Commonly abbreviated as "Ksat." Terms describing saturated hydraulic conductivity are:

*Very high:* 100 or more micrometers per second (14.17 or more inches per hour)

*High:* 10 to 100 micrometers per second (1.417 to 14.17 inches per hour)

*Moderately high:* 1 to 10 micrometers per second (0.1417 inch to 1.417 inches per hour)

*Moderately low:* 0.1 to 1 micrometer per second (0.01417 to 0.1417 inch per hour)

*Low:* 0.01 to 0.1 micrometer per second (0.001417 to 0.01417 inch per hour)

*Very low:* Less than 0.01 micrometer per second (less than 0.001417 inch per hour).

To convert inches per hour to micrometers per second, multiply inches per hour by 7.0572. To convert micrometers per second to inches per hour, multiply micrometers per second by 0.1417.

**Saturation**

Wetness characterized by zero or positive pressure of the soil water. Under conditions of saturation, the water will flow from the soil matrix into an unlined auger hole.

**Scarification**

The act of abrading, scratching, loosening, crushing, or modifying the surface to increase water absorption or to provide a more tillable soil.

**Sedimentary rock**

A consolidated deposit of clastic particles, chemical precipitates, or organic remains accumulated at or near the surface of the earth under normal low temperature and pressure conditions. Sedimentary rocks include consolidated equivalents of alluvium, colluvium, drift, and eolian, lacustrine, and marine deposits. Examples are sandstone, siltstone, mudstone, claystone, shale, conglomerate, limestone, dolomite, and coal.

**Sequum**

A sequence consisting of an illuvial horizon and the overlying eluvial horizon. (See Eluviation.)

**Series, soil**

A group of soils that have profiles that are almost alike, except for differences in texture of the surface layer. All the soils of a series have horizons that are similar in composition, thickness, and arrangement.

**Severely eroded spot (map symbol)**

An area where, on the average, 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units in which "severely eroded," "very severely eroded," or "gullied" is part of the map unit name.

**Shale**

Sedimentary rock that formed by the hardening of a deposit of clay, silty clay, or silty clay loam and that has a tendency to split into thin layers.

**Sheet erosion**

The removal of a fairly uniform layer of soil material from the land surface by the action of rainfall and surface runoff.

**Short, steep slope (map symbol)**

A narrow area of soil having slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.

**Shoulder**

The convex, erosional surface near the top of a hillslope. A shoulder is a transition from summit to backslope.

**Shrink-swell**

The shrinking of soil when dry and the swelling when wet. Shrinking and swelling can damage roads, dams, building foundations, and other structures. It can also damage plant roots.

**Shrub-coppice dune**

A small, streamlined dune that forms around brush and clump vegetation.

**Side slope (geomorphology)**

A geomorphic component of hills consisting of a laterally planar area of a hillside. The overland waterflow is predominantly parallel. Side slopes are dominantly colluvium and slope-wash sediments.

**Silica**

A combination of silicon and oxygen. The mineral form is called quartz.

**Silica-sesquioxide ratio**

The ratio of the number of molecules of silica to the number of molecules of alumina and iron oxide. The more highly weathered soils or their clay fractions in warm-temperate, humid regions, and especially those in the tropics, generally have a low ratio.

**Silt**

As a soil separate, individual mineral particles that range in diameter from the upper limit of clay (0.002 millimeter) to the lower limit of very fine sand (0.05 millimeter). As a soil textural class, soil that is 80 percent or more silt and less than 12 percent clay.

**Siltstone**

An indurated silt having the texture and composition of shale but lacking its fine lamination or fissility; a massive mudstone in which silt predominates over clay.

**Similar soils**

Soils that share limits of diagnostic criteria, behave and perform in a similar manner, and have similar conservation needs or management requirements for the major land uses in the survey area.

**Sinkhole (map symbol)**

A closed, circular or elliptical depression, commonly funnel shaped, characterized by subsurface drainage and formed either by dissolution of the surface of underlying bedrock (e.g., limestone, gypsum, or salt) or by collapse of underlying caves within bedrock. Complexes of sinkholes in carbonate-rock terrain are the main components of karst topography.

**Site index**

A designation of the quality of a forest site based on the height of the dominant stand at an arbitrarily chosen age. For example, if the average height attained by dominant and codominant trees in a fully stocked stand at the age of 50 years is 75 feet, the site index is 75.

**Slickensides (pedogenic)**

Grooved, striated, and/or glossy (shiny) slip faces on structural peds, such as wedges; produced by shrink-swell processes, most commonly in soils that have a high content of expansive clays.

**Slide or slip (map symbol)**

A prominent landform scar or ridge caused by fairly recent mass movement or descent of earthy material resulting from failure of earth or rock under shear stress along one or several surfaces.

**Slope**

The inclination of the land surface from the horizontal. Percentage of slope is the vertical distance divided by horizontal distance, then multiplied by 100. Thus, a slope of 20 percent is a drop of 20 feet in 100 feet of horizontal distance.



**Slope alluvium**

Sediment gradually transported down the slopes of mountains or hills primarily by nonchannel alluvial processes (i.e., slope-wash processes) and characterized by particle sorting. Lateral particle sorting is evident on long slopes. In a profile sequence, sediments may be distinguished by differences in size and/or specific gravity of rock fragments and may be separated by stone lines. Burnished peds and sorting of rounded or subrounded pebbles or cobbles distinguish these materials from unsorted colluvial deposits.

**Slow refill**

The slow filling of ponds, resulting from restricted water transmission in the soil.

**Slow water movement**

Restricted downward movement of water through the soil. See Saturated hydraulic conductivity.

**Sodic (alkali) soil**

A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

**Sodic spot (map symbol)**

An area where the surface layer has a sodium adsorption ratio that is at least 10 more than that of the surface layer of the named soils in the surrounding map unit. The surface layer of the surrounding soils has a sodium adsorption ratio of 5 or less.

**Sodicity**

The degree to which a soil is affected by exchangeable sodium. Sodicity is expressed as a sodium adsorption ratio (SAR) of a saturation extract, or the ratio of  $\text{Na}^+$  to  $\text{Ca}^{++} + \text{Mg}^{++}$ . The degrees of sodicity and their respective ratios are:

*Slight:* Less than 13:1

*Moderate:* 13-30:1

*Strong:* More than 30:1

**Sodium adsorption ratio (SAR)**

A measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration.

**Soft bedrock**

Bedrock that can be excavated with trenching machines, backhoes, small rippers, and other equipment commonly used in construction.

## **Soil**

A natural, three-dimensional body at the earth's surface. It is capable of supporting plants and has properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief and by the passage of time.

## **Soil separates**

Mineral particles less than 2 millimeters in equivalent diameter and ranging between specified size limits. The names and sizes, in millimeters, of separates recognized in the United States are as follows:

*Very coarse sand:* 2.0 to 1.0

*Coarse sand:* 1.0 to 0.5

*Medium sand:* 0.5 to 0.25

*Fine sand:* 0.25 to 0.10

*Very fine sand:* 0.10 to 0.05

*Silt:* 0.05 to 0.002

*Clay:* Less than 0.002

## **Solum**

The upper part of a soil profile, above the C horizon, in which the processes of soil formation are active. The solum in soil consists of the A, E, and B horizons. Generally, the characteristics of the material in these horizons are unlike those of the material below the solum. The living roots and plant and animal activities are largely confined to the solum.

## **Spoil area (map symbol)**

A pile of earthy materials, either smoothed or uneven, resulting from human activity.

## **Stone line**

In a vertical cross section, a line formed by scattered fragments or a discrete layer of angular and subangular rock fragments (commonly a gravel- or cobble-sized lag concentration) that formerly was draped across a topographic surface and was later buried by additional sediments. A stone line generally caps material that was subject to weathering, soil formation, and erosion before burial. Many stone lines seem to be buried erosion pavements, originally formed by sheet and rill erosion across the land surface.

## **Stones**

Rock fragments 10 to 24 inches (25 to 60 centimeters) in diameter if rounded or 15 to 24 inches (38 to 60 centimeters) in length if flat.

## **Stony**

Refers to a soil containing stones in numbers that interfere with or prevent tillage.

**Stony spot (map symbol)**

A spot where 0.01 to 0.1 percent of the soil surface is covered by rock fragments that are more than 10 inches in diameter in areas where the surrounding soil has no surface stones.

**Strath terrace**

A type of stream terrace; formed as an erosional surface cut on bedrock and thinly mantled with stream deposits (alluvium).

**Stream terrace**

One of a series of platforms in a stream valley, flanking and more or less parallel to the stream channel, originally formed near the level of the stream; represents the remnants of an abandoned flood plain, stream bed, or valley floor produced during a former state of fluvial erosion or deposition.

**Stripcropping**

Growing crops in a systematic arrangement of strips or bands that provide vegetative barriers to wind erosion and water erosion.

**Structure, soil**

The arrangement of primary soil particles into compound particles or aggregates. The principal forms of soil structure are:

*Platy*: Flat and laminated

*Prismatic*: Vertically elongated and having flat tops

*Columnar*: Vertically elongated and having rounded tops

*Angular blocky*: Having faces that intersect at sharp angles (planes)

*Subangular blocky*: Having subrounded and planar faces (no sharp angles)

*Granular*: Small structural units with curved or very irregular faces

Structureless soil horizons are defined as follows:

*Single grained*: Entirely noncoherent (each grain by itself), as in loose sand

*Massive*: Occurring as a coherent mass

**Stubble mulch**

Stubble or other crop residue left on the soil or partly worked into the soil. It protects the soil from wind erosion and water erosion after harvest, during preparation of a seedbed for the next crop, and during the early growing period of the new crop.

**Subsoil**

Technically, the B horizon; roughly, the part of the solum below plow depth.

**Subsoiling**

Tilling a soil below normal plow depth, ordinarily to shatter a hardpan or claypan.

**Substratum**

The part of the soil below the solum.

**Subsurface layer**

Any surface soil horizon (A, E, AB, or EB) below the surface layer.

**Summer fallow**

The tillage of uncropped land during the summer to control weeds and allow storage of moisture in the soil for the growth of a later crop. A practice common in semiarid regions, where annual precipitation is not enough to produce a crop every year. Summer fallow is frequently practiced before planting winter grain.

**Summit**

The topographically highest position of a hillslope. It has a nearly level (planar or only slightly convex) surface.

**Surface layer**

The soil ordinarily moved in tillage, or its equivalent in uncultivated soil, ranging in depth from 4 to 10 inches (10 to 25 centimeters). Frequently designated as the “plow layer,” or the “Ap horizon.”

**Surface soil**

The A, E, AB, and EB horizons, considered collectively. It includes all subdivisions of these horizons.

**Talus**

Rock fragments of any size or shape (commonly coarse and angular) derived from and lying at the base of a cliff or very steep rock slope. The accumulated mass of such loose broken rock formed chiefly by falling, rolling, or sliding.

**Taxadjuncts**

Soils that cannot be classified in a series recognized in the classification system. Such soils are named for a series they strongly resemble and are designated as taxadjuncts to that series because they differ in ways too small to be of consequence in interpreting their use and behavior. Soils are recognized as taxadjuncts only when one or more of their characteristics are slightly outside the range defined for the family of the series for which the soils are named.

**Terminal moraine**

An end moraine that marks the farthest advance of a glacier. It typically has the form of a massive arcuate or concentric ridge, or complex of ridges, and is underlain by till and other types of drift.

**Terrace (conservation)**

An embankment, or ridge, constructed across sloping soils on the contour or at a slight angle to the contour. The terrace intercepts surface runoff so that water soaks into the soil or flows slowly to a prepared outlet. A terrace in a field

generally is built so that the field can be farmed. A terrace intended mainly for drainage has a deep channel that is maintained in permanent sod.

**Terrace (geomorphology)**

A steplike surface, bordering a valley floor or shoreline, that represents the former position of a flood plain, lake, or seashore. The term is usually applied both to the relatively flat summit surface (tread) that was cut or built by stream or wave action and to the steeper descending slope (scarp or riser) that has graded to a lower base level of erosion.

**Terracettes**

Small, irregular steplike forms on steep hillslopes, especially in pasture, formed by creep or erosion of surficial materials that may be induced or enhanced by trampling of livestock, such as sheep or cattle.

**Texture, soil**

The relative proportions of sand, silt, and clay particles in a mass of soil. The basic textural classes, in order of increasing proportion of fine particles, are *sand, loamy sand, sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay, and clay*. The sand, loamy sand, and sandy loam classes may be further divided by specifying “coarse,” “fine,” or “very fine.”

**Thin layer**

Otherwise suitable soil material that is too thin for the specified use.

**Till**

Dominantly unsorted and nonstratified drift, generally unconsolidated and deposited directly by a glacier without subsequent reworking by meltwater, and consisting of a heterogeneous mixture of clay, silt, sand, gravel, stones, and boulders; rock fragments of various lithologies are embedded within a finer matrix that can range from clay to sandy loam.

**Till plain**

An extensive area of level to gently undulating soils underlain predominantly by till and bounded at the distal end by subordinate recessional or end moraines.

**Tilth, soil**

The physical condition of the soil as related to tillage, seedbed preparation, seedling emergence, and root penetration.

**Toeslope**

The gently inclined surface at the base of a hillslope. Toeslopes in profile are commonly gentle and linear and are constructional surfaces forming the lower part of a hillslope continuum that grades to valley or closed-depression floors.

**Topsoil**

The upper part of the soil, which is the most favorable material for plant growth. It is ordinarily rich in organic matter and is used to topdress roadbanks, lawns, and land affected by mining.

**Trace elements**

Chemical elements, for example, zinc, cobalt, manganese, copper, and iron, in soils in extremely small amounts. They are essential to plant growth.

**Tread**

The flat to gently sloping, topmost, laterally extensive slope of terraces, flood-plain steps, or other stepped landforms; commonly a recurring part of a series of natural steplike landforms, such as successive stream terraces.

**Tuff**

A generic term for any consolidated or cemented deposit that is 50 percent or more volcanic ash.

**Upland**

An informal, general term for the higher ground of a region, in contrast with a low-lying adjacent area, such as a valley or plain, or for land at a higher elevation than the flood plain or low stream terrace; land above the footslope zone of the hillslope continuum.

**Valley fill**

The unconsolidated sediment deposited by any agent (water, wind, ice, or mass wasting) so as to fill or partly fill a valley.

**Variegation**

Refers to patterns of contrasting colors assumed to be inherited from the parent material rather than to be the result of poor drainage.

**Varve**

A sedimentary layer or a lamina or sequence of laminae deposited in a body of still water within a year. Specifically, a thin pair of graded glaciolacustrine layers seasonally deposited, usually by meltwater streams, in a glacial lake or other body of still water in front of a glacier.

**Very stony spot (map symbol)**

A spot where 0.1 to 3.0 percent of the soil surface is covered by rock fragments that are more than 10 inches in diameter in areas where the surface of the surrounding soil is covered by less than 0.01 percent stones.

**Water bars**

Smooth, shallow ditches or depressional areas that are excavated at an angle across a sloping road. They are used to reduce the downward velocity of water and divert it off and away from the road surface. Water bars can easily be driven over if constructed properly.

**Weathering**

All physical disintegration, chemical decomposition, and biologically induced changes in rocks or other deposits at or near the earth's surface by atmospheric or biologic agents or by circulating surface waters but involving essentially no transport of the altered material.

**Well graded**

Refers to soil material consisting of coarse grained particles that are well distributed over a wide range in size or diameter. Such soil normally can be easily increased in density and bearing properties by compaction. Contrasts with poorly graded soil.

**Wet spot (map symbol)**

A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit.

**Wilting point (or permanent wilting point)**

The moisture content of soil, on an oven-dry basis, at which a plant (specifically a sunflower) wilts so much that it does not recover when placed in a humid, dark chamber.

**Windthrow**

The uprooting and tipping over of trees by the wind.

## **Attachment 19**

### Soil Analysis



To Be Provided Later

## **Attachment 20**

### Water Balance

Water Balance Calculations

Month	Average Precipitation	Average Runoff	Average Infiltrated Rainfall (Ri)	EvapoTranspiration	Required Leaching	Total Water Needs (5)+(6)	Effluent Needed in Root Zone (7)-(4)	Evaporation from Reservoir Surface	Effluent to be Applied to Land (8)/K	Consumption from Reservoir (9)+(10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
January	1.66	0.37	1.29	1.35	0.01	1.36	0.07	0.05	0.08	0.12
February	1.92	0.51	1.41	1.35	0.00	1.35	0.00	0.05	0.00	0.05
March	2.08	0.61	1.47	3.42	0.32	3.74	2.27	0.06	2.67	2.73
April	2.49	0.88	1.61	4.05	0.39	4.44	2.84	0.07	3.34	3.40
May	4.20	2.21	1.99	7.47	0.88	8.35	6.36	0.12	7.48	7.60
June	3.31	1.48	1.82	7.74	0.96	8.70	6.87	0.09	8.09	8.18
July	1.91	0.51	1.40	8.01	1.07	9.08	7.67	0.05	9.03	9.08
August	2.11	0.63	1.48	5.04	0.57	5.61	4.13	0.06	4.86	4.92
September	3.23	1.42	1.80	6.21	0.71	6.92	5.12	0.09	6.02	6.11
October	3.43	1.58	1.85	4.86	0.49	5.35	3.50	0.10	4.11	4.21
November	2.23	0.70	1.52	2.43	0.15	2.58	1.06	0.06	1.24	1.30
December	1.70	0.39	1.31	1.08	0.00	1.08	0.00	0.05	0.00	0.05
Total	30.27	11.31	18.96	53.01	5.54	58.55	39.88	0.84	46.92	47.76
Column Note References	a)	b)	Ri	c)	d)			e)	f)	g)

(All Units are Inches of Water per Acre of Irrigated Area)

Irrigation Efficiency (K) = 0.85  
 Curve number (N) = 80  
 S = 2.50  
 Ce = 1.39  
 Ci = 10

## Water Balance Calculation Notes:

### Column (2):

Up-to-date rainfall and evaporation data sets are available from the Texas Natural Resource Information System.

### Column (3):

Runoff should be determined by an acceptable method such as the Soil Conservation Service method found in SCS Technical Release No. 55.

A curve number (N) of 80 is appropriate for continuous grass planted in hydrologic soil group D.

Potential maximum retention after runoff begins (S) =  $1000/N - 10 = 2.5$

### Column (5):

Source of values is the "Bulletin 6019, Consumptive Use of Water by Major Crops in Texas," Texas Board of Water Engineers. Applied 90% of the listed values for alfalfa as noted on Table 5.

### Column (6):

In low rainfall areas, this is the required leaching to avoid salinity build-up in the soil is calculated using the following equation:

$$L = Ce (E - Ri) / (CI - Ce)$$

Where:

Ce = Electrical Conductivity of Effluent = 1.39 mmhos/cm

E = Evapotranspiration

Ri = Infiltrated Rainfall

CI = Maximum Allowable Conductivity of Soil Solution (Value obtained from 30 TAC 309.20, Table 3) = 10

### Column (9):

Net Average Evaporation from Reservoir Surface.

### Column (10):

K is the irrigation efficiency. K value is 0.85 unless specific information is provided to support a different value.

### Column (11):

The total of this column is the maximum allowable application rate in acre-inch per acre per year.

### Storage Volume Calculations

Month	Effluent Received for Application or Storage	Mean Rainfall Distribution*	Rainfall Highest Year in Past 25 Year	Runoff Highest Year in Past 25 Year	Infiltrated Rainfall (14b)-(15)	Available Water (13)+(16)	Distribution of Mean*	Net 25 Year Low Evaporation from Reservoir Surface	Storage	Accumulated Storage
(12)	(13)	(14a)	(14b)	(15)	(16)	(17)	(18a)	(18b)	(19)	(20)
January	1.53	5.58%	2.63	0.98	1.65	3.18	3.97%		1.53	1.38
February	1.38	6.51%	3.07	1.30	1.77	3.15	4.53%		1.38	2.76
March	1.53	6.94%	3.27	1.45	1.81	3.34	6.94%		-0.73	2.03
April	1.48	8.83%	4.16	2.18	1.99	3.46	8.43%		-1.41	0.61
May	1.53	13.52%	6.37	4.12	2.25	3.78	9.00%		-5.65	-5.04
June	1.48	10.74%	5.06	2.95	2.11	3.59	11.80%		-6.26	-11.30
July	1.53	6.21%	2.93	1.19	1.73	3.26	13.80%		-7.11	-18.42
August	1.53	7.05%	3.32	1.50	1.83	3.35	13.38%		-2.93	-21.35
September	1.48	10.90%	5.14	3.01	2.12	3.60	10.07%		-4.17	-25.51
October	1.53	10.76%	5.07	2.95	2.12	3.64	8.19%		-2.27	-2.27
November	1.48	7.10%	3.34	1.51	1.83	3.31	5.75%		0.60	-1.67
December	1.53	5.86%	2.76	1.08	1.69	3.22	4.13%		1.53	-0.15
Total	17.98	100.0%	47.12	24.22	22.90	40.88	100.0%	0.00	-25.51	2.76

END

START

(All Units are Inches of Water per Acre of Irrigated Area)

Maximum Monthly Avg Application Rate = 3.98 in/month  
 Daily Average Flow to Irrigation Field = 255,500 gallons/day  
 Irrigation Surface Area = 191.00 acres  
 Worst (Highest) Annual Rainfall in Past 25 Years = 47.12 in  
 Lagoon/Pond Surface Area = 5.30 acres  
 Lowest Annual Evaporation in Past 25 Years = 43.61 in

Storage Volume Requirement = 43.95 ac-ft  
 Storage Volume Requirement = 14,318,583 gal

\*Data collected from <https://waterdatafortexas.org/lake-evaporation-rainfall>

#### Storage Volume Calculation Notes:

Column (13): Maximum values for Column (13) are the value (total) of Column (11) divided by 12.

Column (14b): Annual rainfall amount from the highest year in past 25 years of data. Total rainfall is then distributed proportional to monthly averages.

Column (15): Using rainfall figures in Column (14), calculate runoff with the same method used in Column (3).

Column (18b): Lowest annual evaporation in past 25 years from reservoir surface. Distribute annual value proportionally to monthly average evaporation expressed in inches per irrigated acre.

Column (19): Storage =  $[(13) - (18b)] - \{[(7) - (16)]/K\}$ . If the term  $\{[(7) - (16)]/K\}$  is negative, then the value for storage =  $[(13) - (18b)]$ . Irrigation efficiency is 0.85 unless specific information is provided to support a different value.

Column (20): To allow for the worst condition, the summation of storage is obtained by adding the values obtained in Column (19), beginning with the first consecutive month of positive values (START) and ending before incorporating the first month of negative values (END).

## **Attachment 21**

### Recharge Feature Plan

To Be Provided Later



## **Attachment 22**

### Soil Evaluation

To Be Provided Later

**Attachment 23**  
Site Preparation Plan

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## Site Preparation Plan

Thomas Ranch WWTP  
Spicewood, Texas

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The following Site Preparation Plan composed by WWD Engineering in 2025 establishes what steps need to be taken in order to properly prepare the surface irrigation site and guard against any site-specific limitations.

The WWD plan found no significant limitations that could not be easily mitigated. The site will be properly graded to eliminate any stormwater run-on from upstream areas and to promote efficient run-off from the surface irrigation area. Of the fourteen profile holes that were evaluated by WWD in Attachment 18, Soil Sampling/Testing, of this permit, no restrictive horizons were found. If necessary, soil will be imported to maintain the appropriate soil column depths and allow for optimal nutrient uptake. The minimal herbaceous and smaller woody vegetation currently located on site will be removed during construction, and the proper turf grasses will be planted in its place.



*Behnaz Jalili*

Behnaz Jalili, PhD, P.E.  
KIMLEY-HORN AND ASSOCIATES, INC.  
Texas Firm No. 928

Attachments:

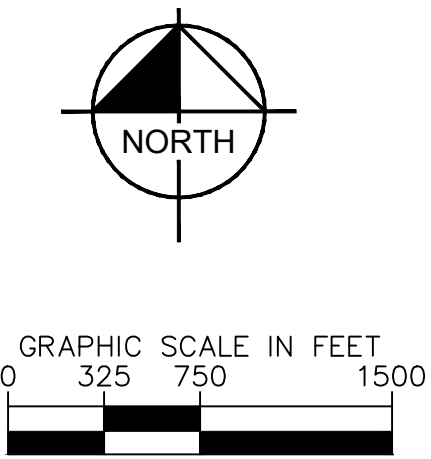
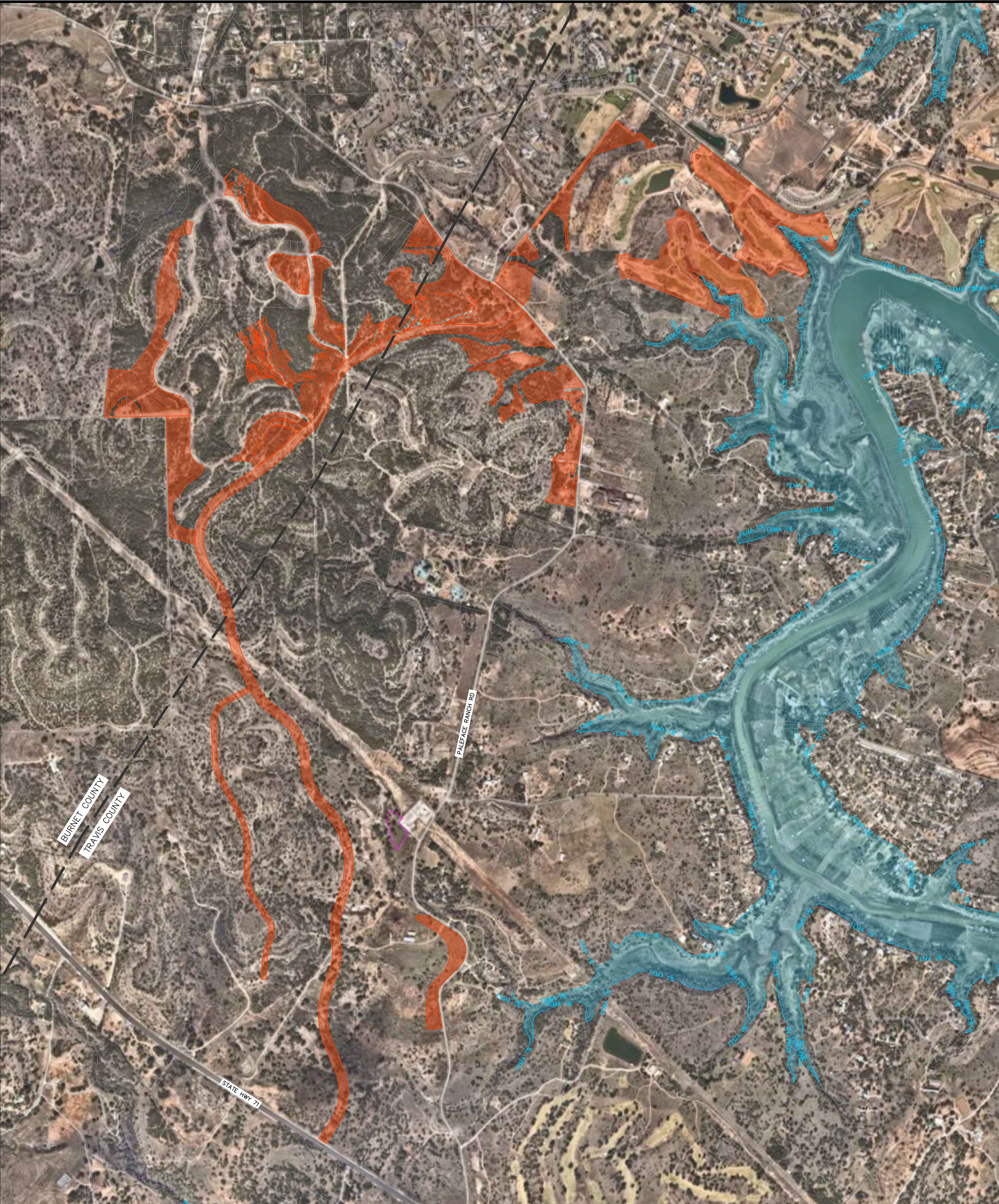
Thomas Ranch Soil Sampling/Testing

**Attachment 24**  
Soil Sampling/Testing




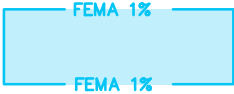
To Be Provided Later

**Attachment 25**  
FEMA Flood Plain Map





LEGEND

-  EXISTING PARCEL
-  TREATMENT FACILITY PROPERTY BOUNDARY
-  LAND DISPOSAL AREAS
-  FEMA 100-YR FLOODPLAIN


SHEET	DATE:	MARCH 2025
	DESIGN:	IMC
	DRAWN:	BJ
	CHECKED:	IMC
	KHA NO.:	069406207

FEMA FLOOD MAP

THOMAS RANCH  
WWTP TLAP

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SERIAL NO. 126771  
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