



# 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

## English Plain Language Summary

*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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.*

Taylor Morrison of Texas, Inc (CN603324757), 4900 N Scottsdale Rd, Ste 2000, Scottsdale, AZ 85251 and CVR Land and Cattle LLC (CN606353647), 740 County Rd 278 Liberty Hill, TX 78642 propose to operate Cypress Valley Ranch WWTF (RN112143342), a membrane bioreactor (MBR) system consisting of several process trains. The facility will be located approximately 3,750 feet west of the intersection of SH 183 and Live Oak Trail in Williamson County, Texas 78642.

This application is for a new permit to dispose a daily average flow of not to exceed 280,000 gallons per day of treated domestic wastewater via public access surface spray irrigation system with a minimum of 81 acres. This permit will not authorize a discharge of pollutants into water in the state.

Land application of domestic wastewater from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>) and total suspended solids (TSS). Domestic wastewater will be treated by an MBR, and the system will have a primary screen, equalization tank, multiple process trains consisting of anoxic, aeration, membrane zones, and sludge holding tanks. The facility will utilize UV or chlorine disinfection.



## **Spanish Plain Language Summary**

*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 exige 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 federal. representaciones ejecutables de la solicitud de permiso.*

Taylor Morrison de Texas, Inc (CN603324757), 4900 N Scottsdale Rd, Ste 2000, Scottsdale, AZ 85251 y CVR Land and Cattle LLC (CN606353647), 740 County Rd 278 Liberty Hill, TX 78642 proponen operar Cypress Valley Ranch WWTF (RN112143342), un sistema de biorreactor de membrana (MBR) compuesto por varios trenes de proceso. La instalación estará ubicada aproximadamente a 3750 pies al oeste de la intersección de SH 183 y Live Oak Trail en el condado de Williamson, Texas 78642.

Esta solicitud es para un nuevo permiso para eliminar un flujo promedio diario que no exceda los 280,000 galones por día de aguas residuales domésticas tratadas a través de un sistema de riego por aspersión de superficie de acceso público con un mínimo de 81 acres. Este permiso no autorizará una descarga de contaminantes al agua del estado.

Se espera que la aplicación al suelo de las aguas residuales domésticas de la instalación contenga la demanda bioquímica de oxígeno carbonoso (CBOD5) y los sólidos suspendidos totales (TSS) de cinco días. Las aguas residuales domésticas serán tratadas mediante un MBR y el sistema tendrá una pantalla primaria, un tanque de equalización, múltiples trenes de proceso que constan de zonas anóxicas, de aireación, de membrana y tanques de retención de lodos. La instalación utilizará desinfección con UV o cloro.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

**PROPOSED PERMIT NO. WQ0016727001**

**APPLICATION.** Taylor Morrison of Texas, Inc. and CVR Land and Cattle, LLC, 4900 North Scottsdale Road, Suite 2000, Scottsdale, Arizona 85251, have applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Land Application Permit (TLAP) No. WQ0016727001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 280,000 gallons per day via surface application on 81 acres of land. The domestic wastewater treatment facility and disposal area will be located approximately 3,750 feet west of the intersection of U.S. Highway 183 and Live Oak Trail, near the city of Liberty Hill, in Williamson County, Texas 78642. TCEQ received this application on February 14, 2025. The permit application will be available for viewing and copying at Liberty Hill Public Library, Circulation Desk, 355 Main Street, Liberty Hill, 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=-97.8884,30.7415&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 Taylor Morrison of Texas, Inc. and CVR Land and Cattle, LLC at the address stated above or by calling Ms. Janela Revilla, JA Wastewater, LLC, at (737) 864-3476.

Issuance Date: February 28, 2025

# Comisión de Calidad Ambiental del Estado de Texas



## AVISO DE RECIBO DE LA SOLICITUD E INTENCION DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA

### PERMISO PROPUESTO NO. WQ0016727001

**SOLICITUD.** Taylor Morrison of Texas, Inc. and CVR Land and Cattle, LLC, 4900 North Scottsdale Road, Suite 2000, Scottsdale, Arizona 85251, han solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) para el propuesto Permiso No. WQ0016727001 de disposición de aguas residuales] para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 280,000 galones por día mediante aplicación superficial en 81 acres de tierra. La planta de aguas domésticos residuales y el área de disposición están ubicados en aproximadamente 3,750 pies al oeste de la intersección de U.S. Highway 183 y Live Oak Trail, cerca de la ciudad de Liberty Hill, en el condado de Williamson, Texas 78642. La TCEQ recibió esta solicitud el día 14 de febrero de 2025. La solicitud para el permiso está disponible para leer y copiar en Liberty Hill Public Library, Mostrador de circulación, 355 Main Street, Liberty Hill, Texas. 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=-97.8884,30.7415&level=18>

**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 de correos siguientes (1) la lista de correo permanente para recibir los avisos de el 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.

**CONTACTOS E INFORMACIÓN DE LA TCEQ.** Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at [www.tceq.texas.gov/about/comments.html](http://www.tceq.texas.gov/about/comments.html). 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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: [www.tceq.texas.gov](http://www.tceq.texas.gov).

También se puede obtener información adicional del Taylor Morrison of Texas, Inc. and CVR Land and Cattle, LLC a la dirección indicada arriba o llamando a Janela Revilla, JA Wastewater, LLC, al (737) 864-3476.

Fecha de emisión 28 de febrero de 2025

Brooke T. Paup,  
Chairwoman Bobby Janecka,  
Commissioner Catarina R.  
Gonzales, Commissioner Kelly  
Keel, Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
Protecting Texas by Reducing and Preventing Pollution

February 19, 2025

Ms. Janela Revilla, E.I.T.  
Project Engineer  
JA Wastewater, LLC  
3410 Far West Boulevard, Suite 170  
Austin, Texas 78731

RE: Application for Proposed Permit No.: WQ0016727001  
Applicant Name: Taylor Morrison of Texas, Inc. (CN603324757) and  
CVR Land and Cattle, LLC (CN606353647) Site  
Name: Cypress Valley Ranch WWTF (RN112143342) Type of  
Application: New

VIA EMAIL

Dear Ms. Revilla:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

1. Section II, item 15 on page 1 of the Core Data Forms (CDF): Two different mailing addresses were provided for the applicant and co-applicant. Only one address can be used on the permit and for permit correspondence. Please verify which address, the applicant or the co-applicant, will be used on the permit and for permit correspondence from the TCEQ.

Please use this address: 4900 N Scottsdale Rd, Ste 2000, Scottsdale AZ 85251

2. Section 1. Application Fees on page 2 of the administrative report: The application indicates that \$1,250.00 was paid for application fee and a copy of the payment voucher is enclosed. However, we are unable to locate. Please email the copy of a check or any proof of payment along with this letter.

Please see attached payment vouchers.

3. Section 9, item E on page 7 of the administrative report: This item was left blank. However, the effluent disposal area owner has to be identified. Please update and submit a revised page 7. If the effluent disposal area is not owned by applicant or co-applicant, please submit a deed or a long-term lease agreement signed by both parties.

The effluent disposal area owner is the same as the co-applicant/landowner. Please see attached updated Section 9, item E of Admin Report.



4. Section 1, item C, affected landowner information, on page 12 of the Administrative Report 1.0: Thank you for submitting the 4-sets of mailing labels. Please email the updated, affected landowners mailing labels in Avery 5160 label format (3 columns across, 10 columns down). To ensure we can use the media to print labels, they must be evenly spaced, so that each address prints on one label. Please remove if there is any additional information included with the list, no punctuation

Please see attached mailing labels both in pdf and Word format.

5. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Taylor Morrison of Texas, Inc. and CVR Land and Cattle, LLC, 4900 North Scottsdale Road, Scottsdale, Arizona 85251, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Land Application Permit (TLAP) No. WQ0016727001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 280,000 gallons per day via surface application on 81 acres of land. The domestic wastewater treatment facility and disposal area will be located approximately 3,750 feet west of the intersection of State Highway 183 and Live Oak Trail, near the city of Liberty Hill, in Williamson County, Texas 78642. TCEQ received this application on February 14, 2025. The permit application will be available for viewing and copying at Liberty Hill Public Library, Circulation Desk, 355 Main St, Liberty Hill, in Williamson 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=-97.8884,30.7415&level=18>

Further information may also be obtained from Taylor Morrison of Texas, Inc. and CVR Land and Cattle, LLC at the address stated above or by calling Ms. Janela Revilla, Project Engineer, at (737) 864-3476.

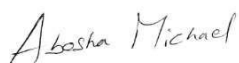
The Suite number is missing from the address: 4900 North Scottsdale Road, Ste 2000, Scottsdale, Arizona 85251. There is also a typo "Highwat" instead of "Highway".

6. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

Please see attached Spanish translation.

Please submit the complete response, addressed to my attention by March 5, 2025. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-4912 or by email at [abesha.michael@tceq.texas.gov](mailto:abesha.michael@tceq.texas.gov).

Sincerely,



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

Enclosure(s)

cc: Ms. Jamie Miller, P.E., President, JA Wastewater, LLC, 3410 Far West Boulevard, Suite 170,

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:** 745308**Trace Number:** 582EA000647778**Date:** 01/30/2025 09:17 AM**Payment Method:** CC - Authorization 0000225425**Voucher Amount:** \$1,200.00**Fee Type:** WW PERMIT - FACILITY WITH FLOW >= .25 & < .50 MGD - NEW AND MAJOR AMENDMENTS**ePay Actor:** JAKE STYSLINGER**Actor Email:** jstyslinger@pape-dawson.com**IP:** 12.125.178.162**Payment Contact Information****Name:** JAKE STYSLINGER**Company:** PAPE-DAWSON ENGINEERS**Address:** 10801 N MOPAC EXPY BLDG 3, AUSTIN, TX 78759**Phone:** 512-454-8711**Site Information****Site Name:** CYPRESS VALLEY RANCH WWTP**Site Location:** 3 750 FT W OF THE INTERSECTION OF SH 183 AND LIVE OAK TRAIL**Customer Information****Customer Name:** TAYLOR MORRISON OF TEXAS INC**Customer Address:** 4900 N SCOTTSDALE RD STE 2000, SCOTTSDALE, AZ 85251[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:** 745309  
**Trace Number:** 582EA000647778  
**Date:** 01/30/2025 09:17 AM  
**Payment Method:** CC - Authorization 0000225425  
**Voucher Amount:** \$50.00  
**Fee Type:** 30 TAC 305.53B WQ NOTIFICATION FEE  
**ePay Actor:** JAKE STYSLINGER  
**Actor Email:** jstyslinger@pape-dawson.com  
**IP:** 12.125.178.162

**Payment Contact Information**

**Name:** JAKE STYSLINGER  
**Company:** PAPE-DAWSON ENGINEERS  
**Address:** 10801 N MOPAC EXPY BLDG 3, AUSTIN, TX 78759  
**Phone:** 512-454-8711

[Close](#)

E. Owner of effluent disposal site:

Prefix: Mr.

Last Name, First Name: Avery, John

Title: Manager (Authorized Signer) Credential:

Organization Name: CVR Land and Cattle, LLC

Mailing Address: 740 County Road 278

City, State, Zip Code: Liberty Hill, TX 78642

Phone No.: (512) 751-0505

E-mail Address: johnavery@pioneerdevelopment.net

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:**

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

Prefix: \_

Last Name, First Name:

Title: \_

Credential:

Organization Name:

Mailing Address: \_

City, State, Zip Code:

Phone No.: \_

E-mail Address:

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:**

## 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:

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:

City nearest the outfall(s):

County in which the outfalls(s) is/are located:

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

# Comisión de Calidad Ambiental del Estado de Texas



## AVISO DE RECIBO DE LA SOLICITUD E INTENCION DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA

### PERMISO PROPUESTO NO. WQ0016727001

**SOLICITUD.** Taylor Morrison of Texas, Inc. and CVR Land and Cattle, LLC, 4900 North Scottsdale Road, Ste 2000, Scottsdale, Arizona 85251 ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) para el propuesto Permiso No. WQ0016727001 de disposición de aguas residuales] para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 280,000 galones por día mediante aplicación superficial en 81 acres de tierra. La planta de aguas domésticos residuales y el área de disposición están ubicados en aproximadamente 3.750 pies al oeste de la intersección de State Highway 183 y Live Oak Trail, cerca de la ciudad de Liberty Hill, en el condado de Williamson, Texas 78642. La TCEQ recibió esta solicitud el día 14 de febrero de 2025. La solicitud para el permiso está disponible para leer y copiar en Liberty Hill Public Library, Mostrador de circulación, 355 Main St, Liberty Hill, en el condado de Williamson, Texas. 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=-97.8884,30.7415&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 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 de correos siguientes (1) la lista de correo permanente para recibir los avisos de el 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.

**CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at [www.tceq.texas.gov/about/comments.html](http://www.tceq.texas.gov/about/comments.html).** 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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: [www.tceq.texas.gov](http://www.tceq.texas.gov).

También se puede obtener información adicional del Taylor Morrison of Texas, Inc. and CVR Land and Cattle, LLC a la dirección indicada arriba o llamando a Janela Revilla, Project Engineer al at (737) 864-3476.

Fecha de emisión \_\_\_\_\_ *[Date notice issued]*

GRIFFIS JAMES TRUSTEE OF  
GRIFFIS 2020 IRREVOCABLE TRUST  
1411 W CUTHBERT AVE  
MIDLAND TX 79707

PILOT KNOB CORPORATION  
PO BOX 689  
GEORGETOWN TX 78627

EWING IRRIGATION PRODUCTS INC  
PROPERTY ADMINISTRATOR  
660 N CENTRAL EXPY STE 240  
PLANO TX 75074

EVANS KENNETH E & LELA R  
491 PR 905  
LIBERTY HILL TX 78642

HELLER LLOYD B & PAMELA S  
691 PRIVATE ROAD 905  
LIBERTY HILL TX 78642

ROBERTS JAMES PATRICK  
891 PRIVATE ROAD 905  
LIBERTY HILL TX 78642

PRIDGEON JOHN S & SUSAN M  
901 PRIVATE ROAD 905  
LIBERTY HILL TX 78642

GODFREY CASSIE SHEWMAKER  
975 PRIVATE ROAD 905  
LIBERTY HILL TX 78642

LANGE SHARON D  
1291 PR 905  
LIBERTY HILL TX 78642

DUNCAN JUSTIN T & MICHELLE R  
300 CYBERONICS BLVD #UNIT 1014  
HOUSTON TX 77058

MOORING BENJAMIN WAYNE & PATRICIA  
MILLER TRUSTEES OF MOORING 2008 REV  
TRUST  
3160 COUNTRY ROAD 207  
LIBERTY HILL TX 78642

RUCKER ERIN LEIGH & JAMES DEAN  
3180 CR 207  
LIBERTY HILL TX 78642

GETTERMAN LOUIS T IV & MIDORI O  
13492 RESEARCH BLVD 120-213  
AUSTIN TX 78750

ARMULOWICZ TED T & ANIELA  
450 BRANCH CREEK TRL  
LIBERTY HILL TX 78642

WILSON NATHAN & DESIRAE  
PO BOX 356  
LIBERTY HILL TX 78642

CALLAN PATRICK M  
PO BOX 142587  
AUSTIN TX 78714

RAMIREZ JAIME & CHRISANTA  
RAMIREZ PEREZ  
408 HORSESHOE LOOP  
LIBERTY HILL TX 78642

PRIDDY HILAN & SHARON  
208 WESTON DR  
LIBERTY HILL TX 78642

ADAMS PAUL TITUS & COURTNEY ROSE  
204 WESTON DR  
LIBERTY HILL TX 78642

JIMENEZ WILFREDO JR & PAULA MARIE  
3603 TURKEY PATH BND  
CEDAR PARK TX 78613

DAVISON DAN M  
407 SPRING GROVE DR  
LIBERTY HILL TX 78642

PAYNE MYLES J & NICOLE L  
142 SAVANNA TERRACE DR  
LIBERTY HILL TX 78642

MOSER CHRISTIAN & CORNELIA  
140 SAVANNA TERRACE DR  
LIBERTY HILL TX 78642

GALVAN JORGE M  
12401 CEDARSPUR RD  
AUSTIN TX 78758

FREEBURG CHRISTOPHER  
134 SAVANNA TERRACE DR  
LIBERTY HILL TX 78642

PEREZ SIMON  
132 SAVANNA TERRACE DR  
LIBERTY HILL TX 78642

SWINDLE PATRICIA A  
130 SAVANNA TERRACE DR  
LIBERTY HILL TX 78642

CALVIN BRENT & JESSICA  
PO BOX 239  
LIBERTY HILL TX 78642

183KING PROPERTIES LLC  
7930 THAXTON RD 100  
AUSTIN TX 78747

S2 TX PROPERTIES LLC  
PO BOX 1149  
LIBERTY HILL TX 78642



GRIFFIS EMMA GENE DIDWAY  
1701 COUNTY ROAD 254  
GEORGETOWN TX 78633

**Cypress Valley Ranch  
Wastewater Treatment Facility**

**TCEQ Application for New TLAP Permit**

**Submitted to  
Texas Commission on Environmental Quality**

**January 2025**





# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

**Complete and submit this checklist with the application.**

APPLICANT NAME: Taylor Morrison of Texas, Inc. and CVR Land and Cattle, LLC

PERMIT NUMBER (If new, leave blank): WQ0016727001

**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 type="checkbox"/>	<input checked="" 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:

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:

f. For existing permits:

Permit Number: WQ00

EPA I.D. (TPDES only): TX

Expiration Date:

### Section 3. Facility Owner (Applicant) and Co-Applclicant 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?

Taylor Morrison of Texas, Inc.

*(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: 603324757

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: Slack, Michael

Title: Director of Development

Credential:

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?

CVR Land and Cattle, LLC

*(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:

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: Avery, John

Title: MANAGER

Credential:

Provide a brief description of the need for a co-permittee: Landowner is a co-applicant

### 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. Core Data Form (Taylor Morrison of Texas, Inc.), Core Data Form (CVR Land and Cattle, LLC)

## 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: Ms.

Last Name, First Name: Revilla, Janela

Title: Project Engineer

Credential: E.I.T.

Organization Name: JA Wastewater, LLC

Mailing Address: 3410 Far West Blvd, Ste 170 City, State, Zip Code: Austin, TX 78731

Phone No.: (737) 864-3476

E-mail Address: jrevilla@jawastewater.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Ms.

Last Name, First Name: Miller, Jamie

Title: President

Credential: P.E.

Organization Name: JA Wastewater, LLC

Mailing Address: 3410 Far West Blvd, Ste 170 City, State, Zip Code: Austin, TX 78731

Phone No.: (970) 443-9096

E-mail Address: jmiller@jawastewater.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: Ms.

Last Name, First Name: Revilla, Janela

Title: Project Engineer

Credential: E.I.T.

Organization Name: JA Wastewater, LLC

Mailing Address: 3410 Far West Blvd, Ste 170 City, State, Zip Code: Austin, TX 78731

Phone No.: (737) 864-3476

E-mail Address: [jrevilla@jawastewater.com](mailto:jrevilla@jawastewater.com)

B. Prefix: Ms.

Last Name, First Name: Miller, Jamie

Title: President

Credential: P.E.

Organization Name: JA Wastewater, LLC

Mailing Address: 3410 Far West Blvd, Ste 170 City, State, Zip Code: Austin, TX 78731

Phone No.: (970) 443-9096

E-mail Address: [jmiller@jawastewater.com](mailto:jmiller@jawastewater.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: Slack, Michael

Title: Director of Development

Credential:

Organization Name: Taylor Morrison of Texas, Inc.

Mailing Address: 4900 N Scottsdale Rd, Ste 2000 City, State, Zip Code: Scottsdale, AZ 85251

Phone No.: (512) 532-2127

E-mail Address: [mslack@taylormorrison.com](mailto:mslack@taylormorrison.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: Slack, Michael

Title: Director of Development

Credential:

Organization Name: Taylor Morrison of Texas, Inc.

Mailing Address: 4900 N Scottsdale Rd, Ste 2000 City, State, Zip Code: Scottsdale, AZ 85251

Phone No.: (512) 532-2127

E-mail Address: [mslack@taylormorrison.com](mailto:mslack@taylormorrison.com)

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

### A. Individual Publishing the Notices

Prefix: Ms.

Last Name, First Name: Revilla, Janela

Title: Project Engineer

Credential: E.I.T.

Organization Name: JA Wastewater, LLC

Mailing Address: 3410 Far West Blvd, Ste 2000 City, State, Zip Code: Austin, TX 78731

Phone No.: (737) 864-3476

E-mail Address: [jrevilla@jawastewater.com](mailto:jrevilla@jawastewater.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: Revilla, Janela

Title: Project Engineer

Credential: E.I.T.

Organization Name: JA Wastewater, LLC

Mailing Address: 3410 Far West Blvd, Ste 2000

City, State, Zip Code: Austin, TX 78731

Phone No.: (737) 864-3476

E-mail Address: jrevilla@jawastewater.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: Liberty Hill Public Library

Location within the building: Circulation Desk

Physical Address of Building: 355 Main St

City: Liberty Hill

County: Williamson

Contact (Last Name, First Name):

Phone No.: (512) 778-6400 Ext.:

**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? Spanish

#### F. Plain Language Summary Template

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

**Attachment:** Plain Language Summary

#### 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:** Public Involvement Plan Form

## 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. RN112143342

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):

Cypress Valley Ranch WWTF

C. Owner of treatment facility: Taylor Morrison of Texas, Inc.

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

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

Prefix: Mr.

Last Name, First Name: Avery, John

Title: \_

Credential:

Organization Name: CVR Land and Cattle, LLC

Mailing Address: 740 County Road 278

City, State, Zip Code: Liberty Hill, TX 78642

Phone No.: (512) 751- 0505

E-mail Address: johnavery@pioneerdevelopment.net

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:**

E. Owner of effluent disposal site:

Prefix: \_

Last Name, First Name:

Title: \_

Credential:

Organization Name:

Mailing Address: \_

City, State, Zip Code:

Phone No.: \_

E-mail Address:

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:**

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

Prefix: \_

Last Name, First Name:

Title: \_

Credential:

Organization Name:

Mailing Address: \_

City, State, Zip Code:

Phone No.: \_

E-mail Address:

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:**

## 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:

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:

City nearest the outfall(s):

County in which the outfalls(s) is/are located:

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:**

- 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:

## 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 disposal is located approximately 3,750 feet west of the intersection of SH 183 and Live Oak Trail, near the city of Liberty Hill, Williamson County, Texas 78642

- B. City nearest the disposal site: Liberty Hill

- C. County in which the disposal site is located: Williamson

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

The treated effluent disposal will be routed to the effluent disposal site via pipe.

- E. For TLAPs, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: North Fork San Gabriel 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.

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:

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number:

Amount past due:

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number:

Amount past due:

### 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:

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

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

Permit Number:

Applicant: Taylor Morrison of Texas, Inc.

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.

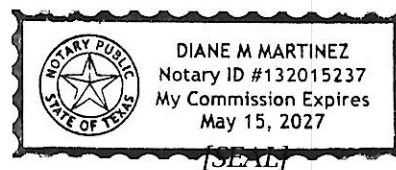
Signatory name (typed or printed): Michael Slack

Signatory title: Director of Development

Signature: Michael Slack Date: 01/29/2025  
(Use blue ink)

Subscribed and Sworn to before me by the said Michael Slack  
on this 29th day of January, 20 25.  
My commission expires on the 15th day of May, 20 27.

[Signature]  
Notary Public



Travis  
County, Texas

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

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

Permit Number:

Applicant: CVR Land and Cattle, 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): John Avery

Signatory title: Manager (Authorized Signer)

Signature: \_\_\_\_\_

(Use blue ink)

Date: \_\_\_\_\_

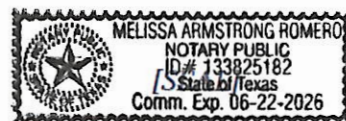
1/30/25

Subscribed and Sworn to before me by the said John Avery

on this 30<sup>th</sup> day of January, 2025.

My commission expires on the 22nd day of June, 2026.

Melissa Romero  
Notary Public



Williamson  
County, Texas

# 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: Williamson 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):

## 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



## English Plain Language Summary

*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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.*

Taylor Morrison of Texas, Inc (CN603324757), 4900 N Scottsdale Rd, Ste 2000, Scottsdale, AZ 85251 and CVR Land and Cattle LLC (CN606353647), 740 County Rd 278 Liberty Hill, TX 78642 propose to operate Cypress Valley Ranch WWTF (RN112143342), a membrane bioreactor (MBR) system consisting of several process trains. The facility will be located approximately 3,750 feet west of the intersection of SH 183 and Live Oak Trail in Williamson County, Texas 78642.

This application is for a new permit to dispose a daily average flow of not to exceed 280,000 gallons per day of treated domestic wastewater via public access surface spray irrigation system with a minimum of 81 acres. This permit will not authorize a discharge of pollutants into water in the state.

Land application of domestic wastewater from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>) and total suspended solids (TSS). Domestic wastewater will be treated by an MBR, and the system will have a primary screen, equalization tank, multiple process trains consisting of anoxic, aeration, membrane zones, and sludge holding tanks. The facility will utilize UV or chlorine disinfection.

## **Spanish Plain Language Summary**

*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 exige 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 federal. representaciones ejecutables de la solicitud de permiso.*

Taylor Morrison de Texas, Inc (CN603324757), 4900 N Scottsdale Rd, Ste 2000, Scottsdale, AZ 85251 y CVR Land and Cattle LLC (CN606353647), 740 County Rd 278 Liberty Hill, TX 78642 proponen operar Cypress Valley Ranch WWTF (RN112143342), un sistema de biorreactor de membrana (MBR) compuesto por varios trenes de proceso. La instalación estará ubicada aproximadamente a 3750 pies al oeste de la intersección de SH 183 y Live Oak Trail en el condado de Williamson, Texas 78642.

Esta solicitud es para un nuevo permiso para eliminar un flujo promedio diario que no exceda los 280,000 galones por día de aguas residuales domésticas tratadas a través de un sistema de riego por aspersión de superficie de acceso público con un mínimo de 81 acres. Este permiso no autorizará una descarga de contaminantes al agua del estado.

Se espera que la aplicación al suelo de las aguas residuales domésticas de la instalación contenga la demanda bioquímica de oxígeno carbonoso (CBOD5) y los sólidos suspendidos totales (TSS) de cinco días. Las aguas residuales domésticas serán tratadas mediante un MBR y el sistema tendrá una pantalla primaria, un tanque de equalización, múltiples trenes de proceso que constan de zonas anóxicas, de aireación, de membrana y tanques de retención de lodos. La instalación utilizará desinfección con UV o cloro.



# 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 603324757		RN

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)		1/10/2025	
<input type="checkbox"/> New Customer <input checked="" 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>	
Taylor Morrison of Texas, Inc.					
<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)
0044927200		17420124608			
<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 type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" 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 checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input 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>	4900 N Scottsdale Rd				
	Ste 2000				
	<b>City</b>	Scottsdale	<b>State</b>	AZ	<b>ZIP</b> 85251 <b>ZIP + 4</b>
<b>16. Country Mailing Information</b> (if outside USA)				<b>17. E-Mail Address</b> (if applicable)	
				mslack@taylormorrison.com	

<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b>
( 512 ) 532-2127		(   ) -

## 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.)								
Cypress Valley Ranch WWTF								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)								
	<b>City</b>	Liberty Hill	<b>State</b>	TX	<b>ZIP</b>	78642	<b>ZIP + 4</b>	
<b>24. County</b>	Williamson							

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

<b>25. Description to Physical Location:</b>	The WWTF is approximately 3,750 feet west of the intersection of SH 183 and Live Oak Trail.							
<b>26. Nearest City</b>					<b>State</b>	<b>Nearest ZIP Code</b>		
Liberty Hill					TX	78642		
<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>	30.7415				<b>28. Longitude (W) In Decimal:</b>	-97.8884		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30	44	29.40	-97	53	18.24			
<b>29. Primary SIC Code</b>	<b>30. Secondary SIC Code</b>		<b>31. Primary NAICS Code</b>		<b>32. Secondary NAICS Code</b>			
(4 digits)	(4 digits)		(5 or 6 digits)		(5 or 6 digits)			
<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>	4900 N Scottsdale Rd							
	Ste 2000							
	<b>City</b>	Scottsdale	<b>State</b>	AZ	<b>ZIP</b>	85251	<b>ZIP + 4</b>	
<b>35. E-Mail Address:</b>	mslack@taylormorrison.com							
<b>36. Telephone Number</b>	<b>37. Extension or Code</b>				<b>38. Fax Number (if applicable)</b>			
( 512 ) 532-2127					(   ) -			

**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>	Janela Revilla	<b>41. Title:</b>	Project Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 737 ) 864-3476		( ) -	jrevilla@jawastewater.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>	Taylor Morrison of Texas, Inc.	<b>Job Title:</b>	Director of Development
<b>Name (In Print):</b>	Michael Slack	<b>Phone:</b>	( 512 ) 532- 2127
<b>Signature:</b>		<b>Date:</b>	1.29.25



# 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)		1/10/2025	
<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>	
CVR Land and Cattle, 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)
0805479619		32094347518			
<b>11. Type of Customer:</b>		<input 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 checked="" type="checkbox"/> Other: LLC	
<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 checked="" 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 checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input 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>					
740 County Rd 278					
City		Liberty Hill		State	TX
ZIP		78642		ZIP + 4	
<b>16. Country Mailing Information</b> (if outside USA)				<b>17. E-Mail Address</b> (if applicable)	
				johnavery@pioneerdevelopment.net	

<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b>
( 512 ) 751-0505		(   ) -

## 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.)								
Cypress Valley Ranch WWTF								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)								
	<b>City</b>	Liberty Hill	<b>State</b>	TX	<b>ZIP</b>	78642	<b>ZIP + 4</b>	
<b>24. County</b>	Williamson							

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

<b>25. Description to Physical Location:</b>	The WWTF is approximately 3,750 feet west of the intersection of SH 183 and Live Oak Trail.							
<b>26. Nearest City</b>					<b>State</b>	<b>Nearest ZIP Code</b>		
Liberty Hill					TX	78642		
<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>		30.7415			<b>28. Longitude (W) In Decimal:</b>		-97.8884	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30	44	29.40	-97	53	18.24			
<b>29. Primary SIC Code</b>	<b>30. Secondary SIC Code</b>		<b>31. Primary NAICS Code</b>		<b>32. Secondary NAICS Code</b>			
(4 digits)	(4 digits)		(5 or 6 digits)		(5 or 6 digits)			
<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>	740 County Rd 278							
	<b>City</b>	Liberty Hill	<b>State</b>	TX	<b>ZIP</b>	78642	<b>ZIP + 4</b>	
<b>35. E-Mail Address:</b>	johnavery@pioneerdevelopment.com							
<b>36. Telephone Number</b>	<b>37. Extension or Code</b>				<b>38. Fax Number (if applicable)</b>			
( 512 ) 751-505					(   ) -			

**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>	Janela Revilla	<b>41. Title:</b>	Project Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 737 ) 864-3476		( ) -	jrevilla@jawastewater.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>	CVR Land and Cattle, LLC	<b>Job Title:</b>	Manager (Authorized Signer)
<b>Name (In Print):</b>	John Avery	<b>Phone:</b>	( 512 ) 751- 0505
<b>Signature:</b>		<b>Date:</b>	1/30/25





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:

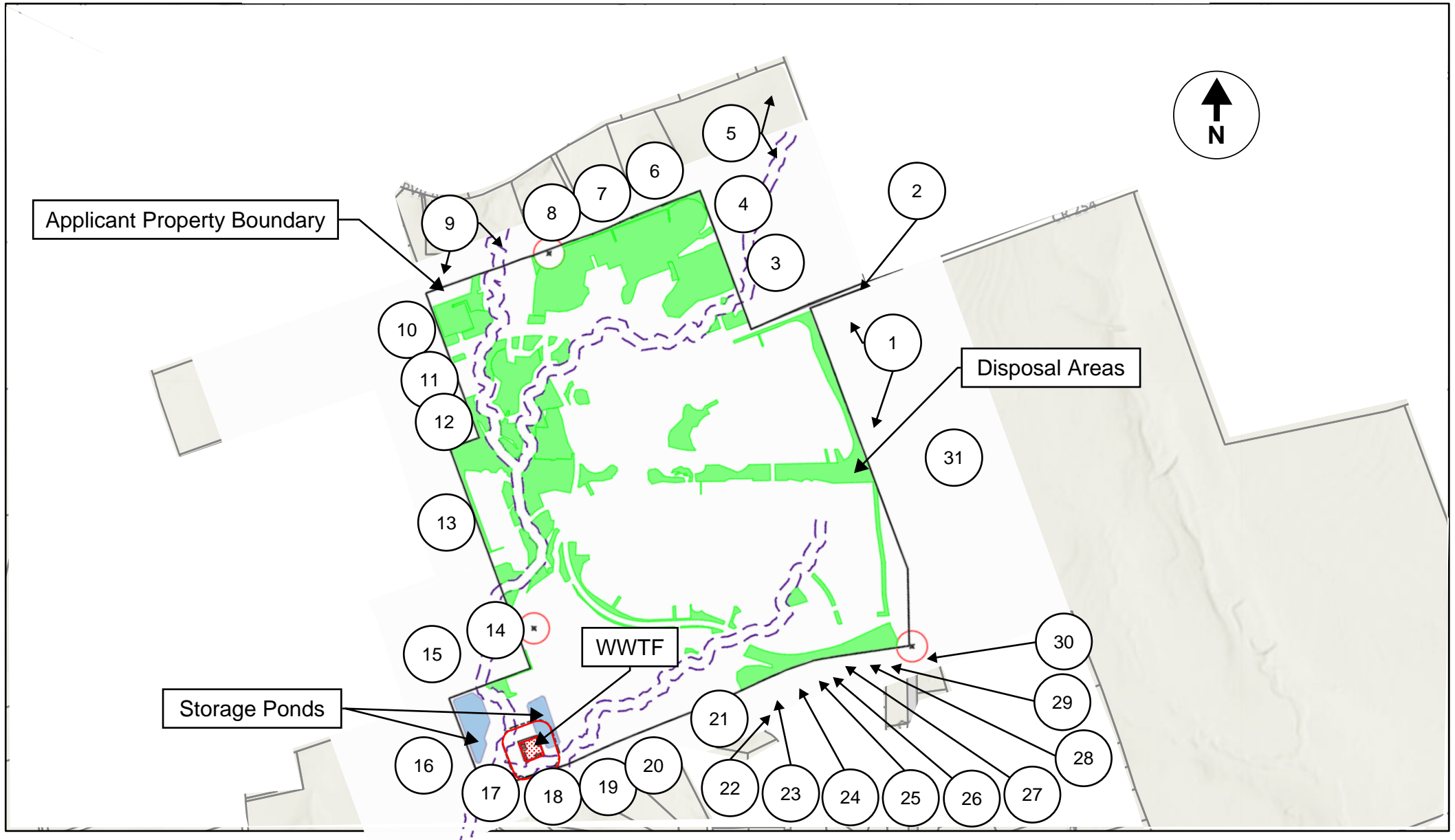
- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**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.

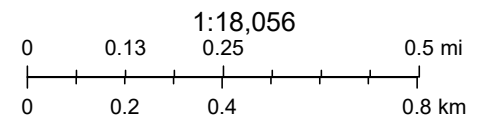
This project is not considered to have high public interest.

# Cypress Valley Ranch WWTF - Affected Landowner Map



11/24/2024, 12:28:24 PM

Parcels



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Williamson Central Appraisal District

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# Cypress Valley Ranch WWTF - Affected Landowner List

Address Source: <a href="https://publicdata.wcad.org/parcelmap/">https://publicdata.wcad.org/parcelmap/</a>		3-Dec-24	
Map Label	Property ID Number	Owner Name	Mailing Address
1	R010302, R613556	GRIFFIS, JAMES TRUSTEE OF GRIFFIS 2020 IRREVOCABLE TRUST	1411 W CUTHBERT AVE MIDLAND, TX 79701
2	R381880	PILOT KNOB CORPORATION	PO BOX 689 GEORGETOWN, TX 78627-0689
3	R079890	EWING IRRIGATION PRODUCTS INC	PROPERTY ADMINISTRATOR 660 N CENTRAL EXPY STE 240 PLANO, TX 75074-6869
4	R519323	EVANS, KENNETH E & LELA R	491 PR 905 LIBERTY HILL, TX 78642
5	R021920, R108657	HELLER, LLOYD B & PAMELA S	691 PRIVATE ROAD 905 LIBERTY HILL, TX 78642-3738
6	R021930	ROBERTS, JAMES PATRICK	891 PRIVATE ROAD 905 LIBERTY HILL, TX 78642-4001
7	R021927	PRIDGEON, JOHN S & SUSAN M	901 PRIVATE ROAD 905 LIBERTY HILL, TX 78642
8	R497959	GODFREY, CASSIE SHEWMAKER	975 PRIVATE ROAD 905 LIBERTY HILL, TX 78642
9	R519470, R519471	LANGE, SHARON D	1291 PR 905 LIBERTY HILL, TX 78642
10	R337193	DUNCAN, JUSTIN T & MICHELLE R	300 CYBERONICS BLVD #UNIT 1014 HOUSTON, TX 77058
11	R563134	MOORING, BENJAMIN WAYNE & PATRICIA MILLER TRUSTEES OF MOORING 2008 REV TRUST	3160 COUNTRY ROAD 207 LIBERTY HILL, TX 78642-4046
12	R624020	RUCKER, ERIN LEIGH & JAMES DEAN	3180 CR 207 LIBERTY HILL, TX 78642
13	R383800	GETTERMAN, LOUIS T IV & MIDORI O	13492 RESEARCH BLVD 120-213 AUSTIN, TX 78750
14	R382070	ARMULOWICZ, TED T & ANIELA	450 BRANCH CREEK TRL LIBERTY HILL, TX 78642
15	R374599	WILSON, NATHAN & DESIRAE	PO BOX 356 LIBERTY HILL, TX 78642-0356
16	R023101	CALLAN, PATRICK M	PO BOX 142587 AUSTIN, TX 78714-2587
17	R512309	RAMIREZ, JAIME & CHRISANTA RAMIREZ PEREZ	408 HORSESHOE LOOP LIBERTY HILL, TX 78642
18	R508744	PRIDDY, HILAN & SHARON	208 WESTON DR LIBERTY HILL, TX 78642-5560
19	R508743	ADAMS, PAUL TITUS & COURTNEY ROSE	204 WESTON DR LIBERTY HILL, TX 78642-5560
20	R511495	JIMENEZ, WILFREDO JR & PAULA MARIE	3603 TURKEY PATH BND CEDAR PARK, TX 78613-7395
21	R510105	DAVISON, DAN M	407 SPRING GROVE DR LIBERTY HILL, TX 78642
22	R392030	PAYNE, MYLES J & NICOLE L	142 SAVANNA TERRACE DR LIBERTY HILL, TX 78642
23	R392029	MOSER, CHRISTIAN & CORNELIA	140 SAVANNA TERRACE DR LIBERTY HILL, TX 78642
24	R392028	GALVAN, JORGE M	12401 CEDARSPUR RD AUSTIN, TX 78758
25	R392027	FREEBURG, CHRISTOPHER	134 SAVANNA TERRACE DR LIBERTY HILL, TX 78642
26	R392026	PEREZ, SIMON	132 SAVANNA TERRACE DR LIBERTY HILL, TX 78642-5502
27	R392025	SWINDLE, PATRICIA A	130 SAVANNA TERRACE DR LIBERTY HILL, TX 78642-5502
28	R392024	CALVIN, BRENT & JESSICA	P. O. BOX 239 LIBERTY HILL, TX 78642
29	R022246	183KING PROPERTIES LLC	7930 THAXTON RD 100 AUSTIN, TX 78747
30	R022261	S2 TX PROPERTIES LLC	PO BOX 1149 LIBERTY HILL, TX 78642-1149
31	R010309	GRIFFIS, EMMA GENE DIDWAY	1701 COUNTY ROAD 254, GEORGETOWN TX 78633

GRIFFIS JAMES TRUSTEE OF GRIFFIS 2020  
IRREVOCABLE TRUST  
1411 W CUTHBERT AVE  
MIDLAND TX 79707

EVANS KENNETH E & LELA R  
491 PR 905  
LIBERTY HILL TX 78642

PRIDGEON JOHN S & SUSAN M  
901 PRIVATE ROAD 905  
LIBERTY HILL TX 78642

DUNCAN JUSTIN T & MICHELLE R  
300 CYBERONICS BLVD #UNIT 1014  
HOUSTON TX 77058

GETTERMAN LOUIS T IV & MIDORI O  
13492 RESEARCH BLVD 120-213  
AUSTIN TX 78750

CALLAN PATRICK M  
PO BOX 142587  
AUSTIN TX 78714

ADAMS PAUL TITUS & COURTNEY ROSE  
204 WESTON DR  
LIBERTY HILL TX 78642

PAYNE MYLES J & NICOLE L  
142 SAVANNA TERRACE DR  
LIBERTY HILL TX 78642

FREEBURG CHRISTOPHER  
134 SAVANNA TERRACE DR  
LIBERTY HILL TX 78642

CALVIN BRENT & JESSICA  
P. O. BOX 239  
LIBERTY HILL TX 78642

PILOT KNOB CORPORATION  
PO BOX 689 GEORGETOWN  
GEORGETOWN TX 78627

HELLER LLOYD B & PAMELA S  
691 PRIVATE ROAD 905  
LIBERTY HILL TX 78642

GODFREY CASSIE SHEWMAKER  
975 PRIVATE ROAD 905  
LIBERTY HILL TX 78642

MOORING BENJAMIN WAYNE & PATRICIA  
MILLER TRUSTEES OF MOORING 2008 REV  
TRUST  
3160 COUNTRY ROAD 207  
LIBERTY HILL TX 78642

ARMULOWICZ TED T & ANIELA  
450 BRANCH CREEK TRL  
LIBERTY HILL TX 78642

RAMIREZ JAIME & CHRISANTA RAMIREZ  
PEREZ  
408 HORSESHOE LOOP  
LIBERTY HILL TX 78642

JIMENEZ WILFREDO JR & PAULA MARIE  
3603 TURKEY PATH BND  
CEDAR PARK TX 78613

MOSER CHRISTIAN & CORNELIA  
140 SAVANNA TERRACE DR  
LIBERTY HILL TX 78642

PEREZ SIMON  
132 SAVANNA TERRACE DR  
LIBERTY HILL TX 78642

183KING PROPERTIES LLC  
7930 THAXTON RD 100  
AUSTIN TX 78747

EWING IRRIGATION PRODUCTS INC  
PROPERTY ADMINISTRATOR 660 N CENTRAL  
EXPY STE 240  
PLANO TX 75074

ROBERTS JAMES PATRICK  
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LIBERTY HILL TX 78642

LANGE SHARON D  
1291 PR 905  
LIBERTY HILL TX 78642

RUCKER ERIN LEIGH & JAMES DEAN  
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GRIFFIS EMMA GENE DIDWAY

1701 COUNTY ROAD 254

GEORGETOWN TX 78633

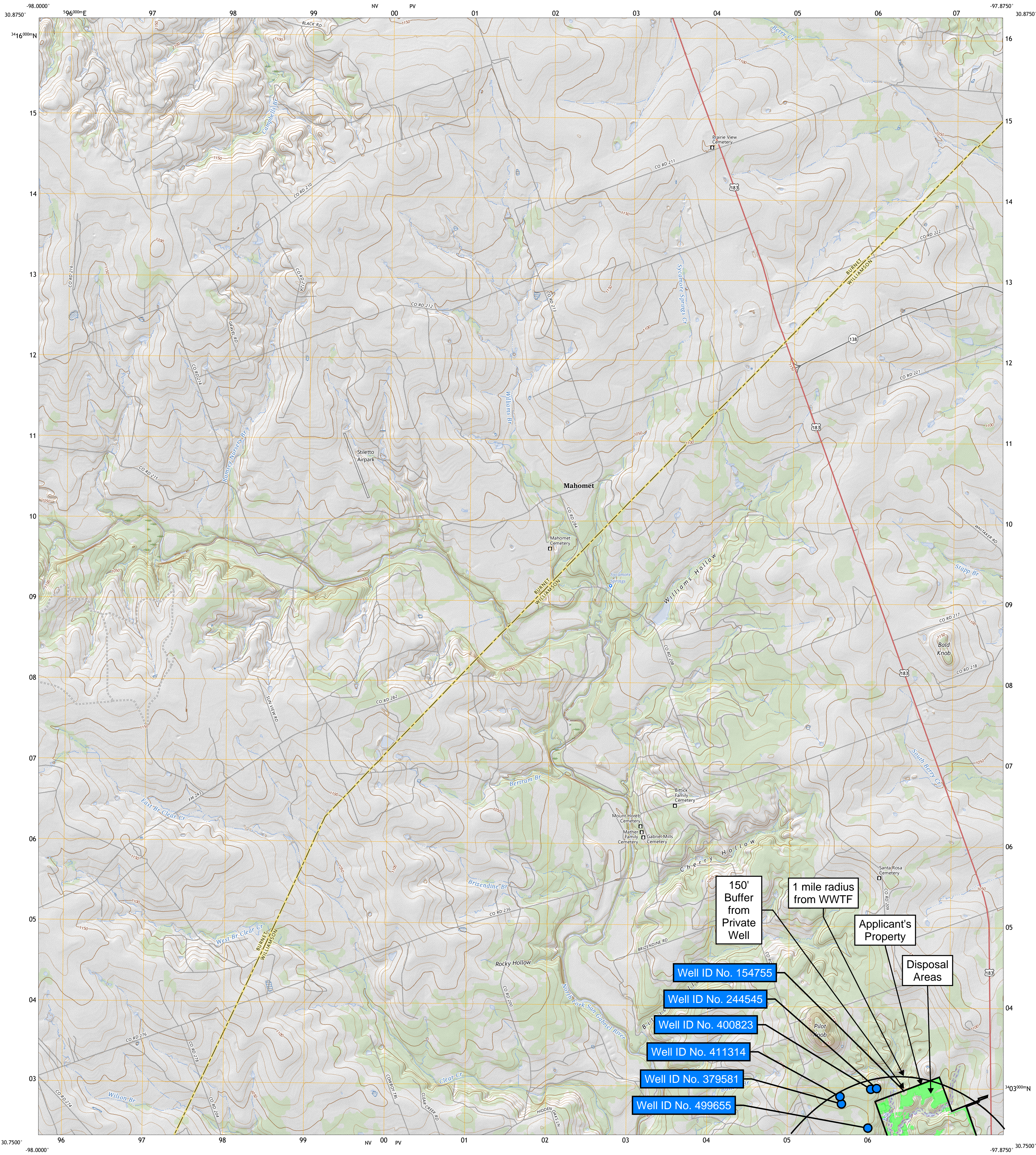




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

# Cypress Valley Ranch WWTF USGS Map

MAHOMET QUADRANGLE  
TEXAS  
7.5-MINUTE TOPO

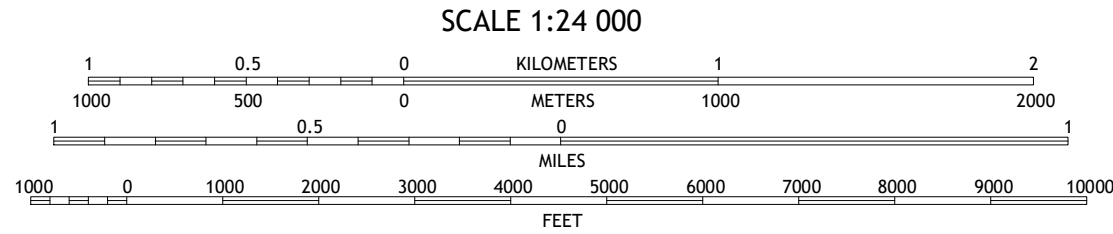
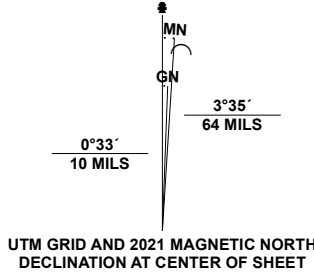


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Learn About The National Map: <https://nationalmap.gov>



CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
CONTOUR SMOOTHNESS = Medium

USER DEFINED CONTENT



Bachelor Peak	Briggs	Ding Dong
Joppa	Mahomet	Florence
Bertram	Liberty Hill	Leander NE

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route

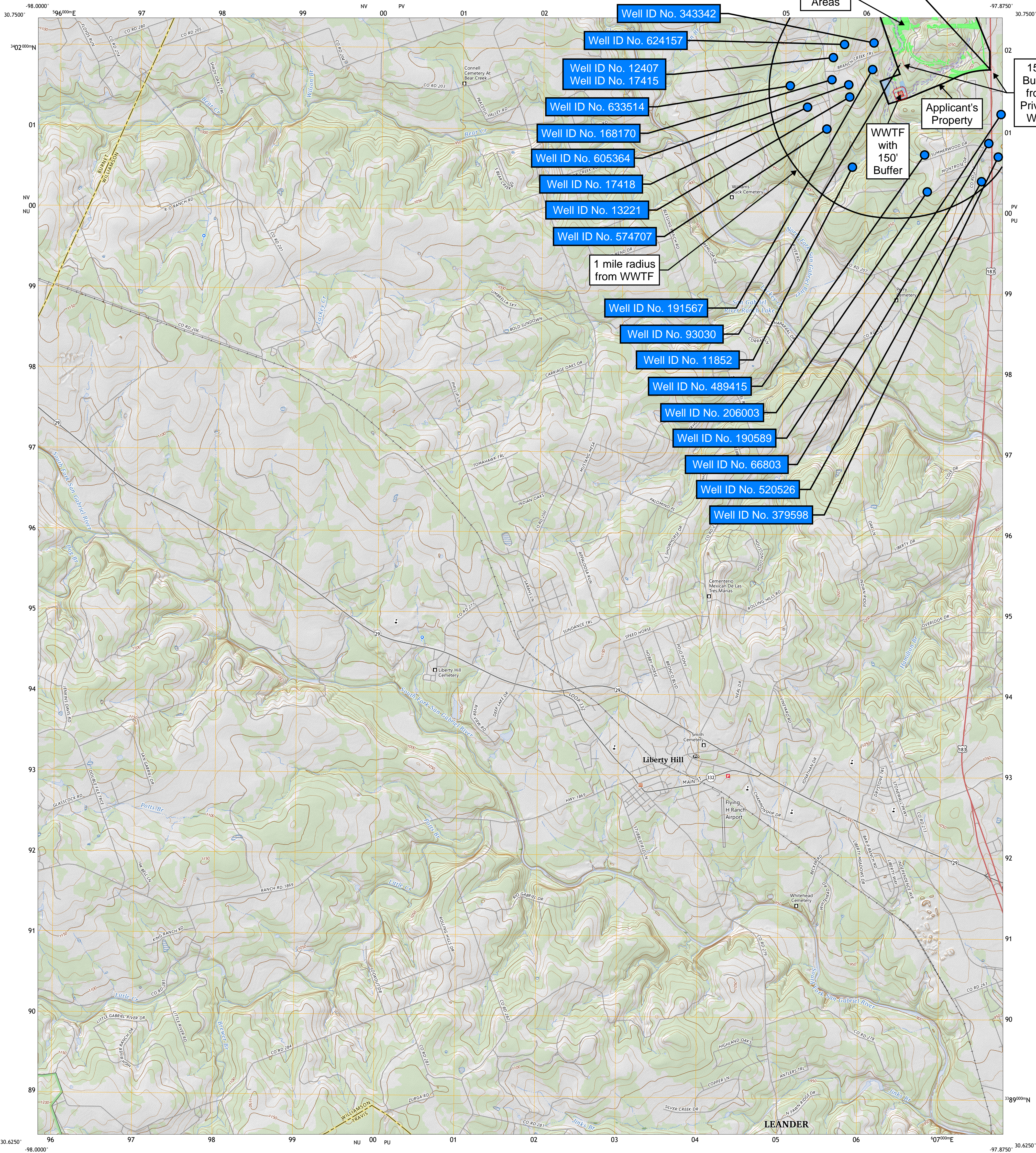






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U.S. GEOLOGICAL SURVEY

# Cypress Valley Ranch WWTF USGS Map

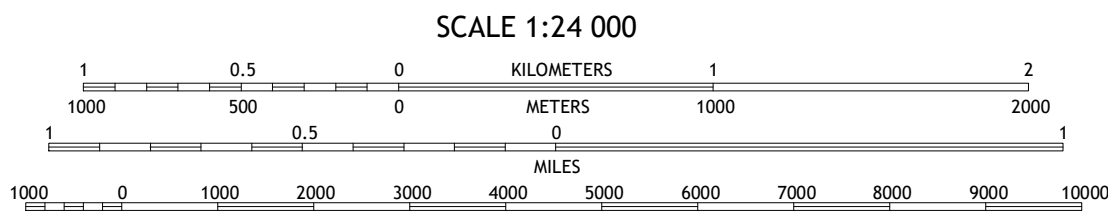
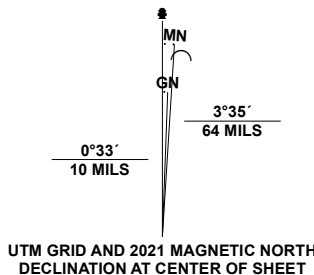


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USER DEFINED CONTENT



Joppa	Mahomet	Florence
Bertram	Liberty Hill	Leander
Travis Peak	Nameless	Leander

ADJOINING QUADRANGLES

ROAD CLASSIFICATION	
Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	FRD
Interstate Route	US Route
	State Route



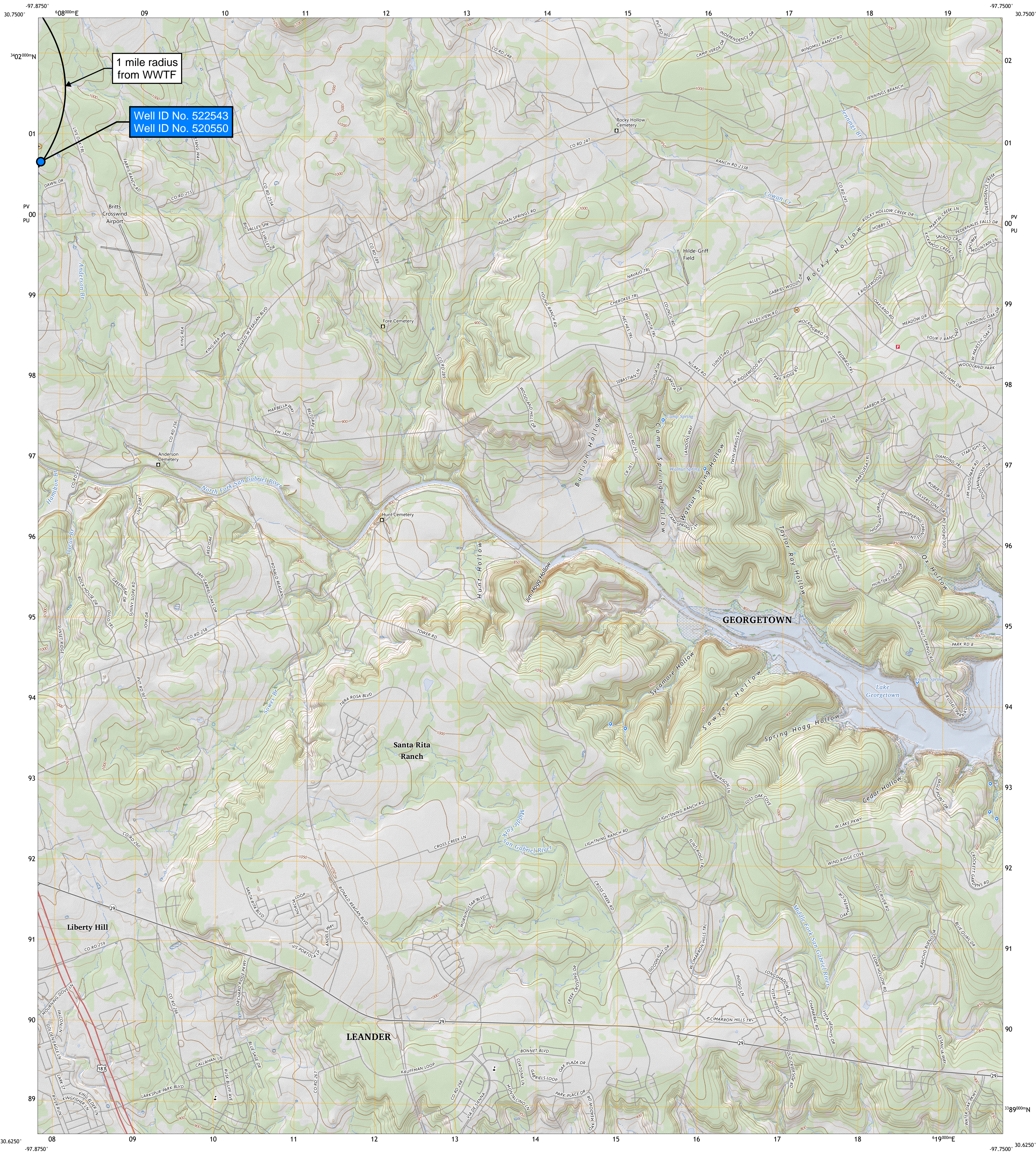




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

# Cypress Valley Ranch WWTF USGS Map

LEANDER NE QUADRANGLE  
TEXAS - WILLIAMSON COUNTY  
7.5-MINUTE TOPO

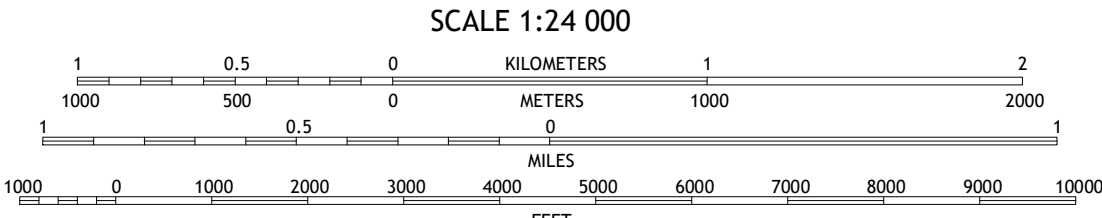
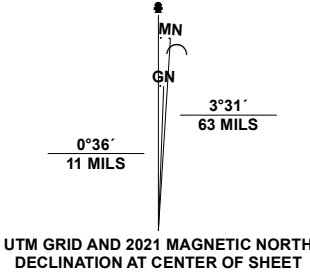


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CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
CONTOUR SMOOTHNESS = Medium

USER DEFINED CONTENT



QUADRANGLE LOCATION		
Mahomet	Florence	Gabbs Cavern
Liberty Hill	Leander NE	Georgetown
Nameless	Leander	Round Rock

ADJOINING QUADRANGLES

ROAD CLASSIFICATION	
Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route



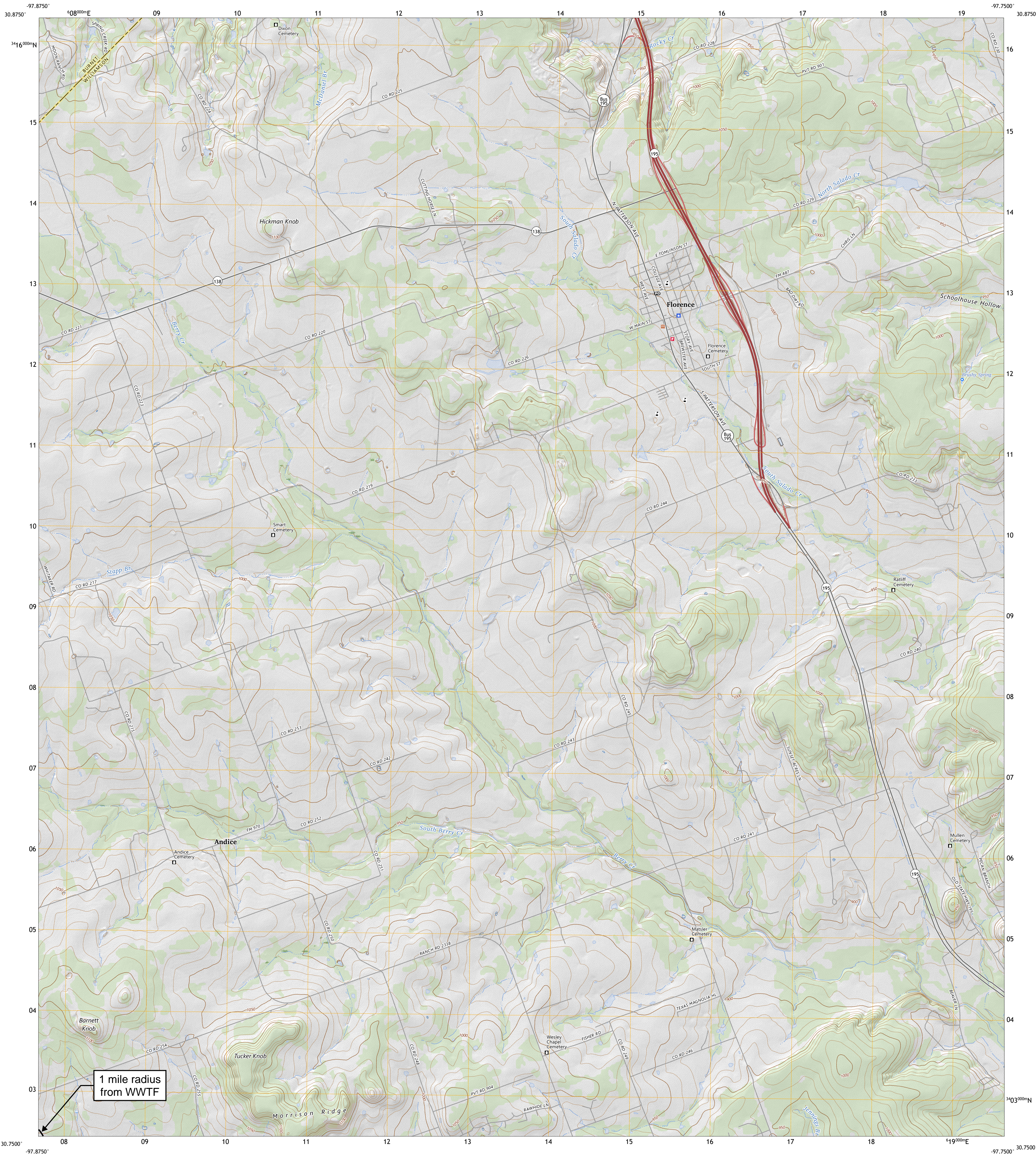




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

# Cypress Valley Ranch WWTF USGS Map

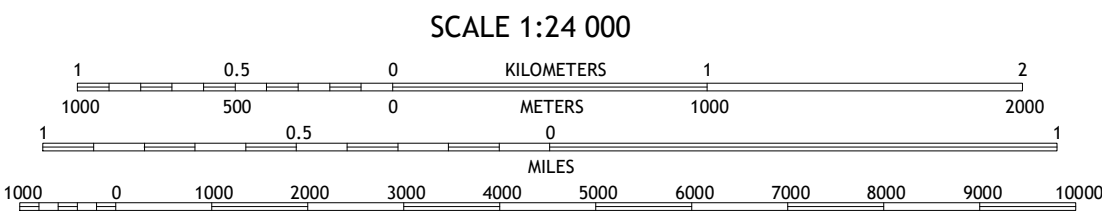
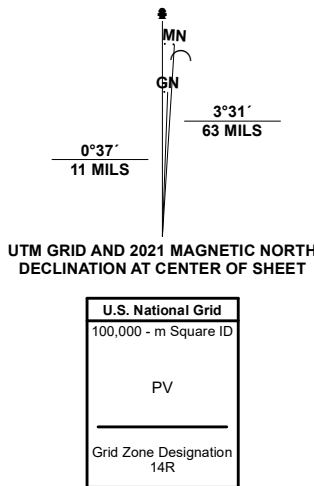
FLORENCE QUADRANGLE  
TEXAS  
7.5-MINUTE TOPO



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North American Datum of 1983 (NAD83)  
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CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
CONTOUR SMOOTHNESS = Medium

USER DEFINED CONTENT



QUADRANGLE LOCATION		
Briggs	Ding Dong	Youngsport
Mahomet	Florence	Cobbs Cavern
Liberty Hill	Leander NE	Georgetown

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route





## STATE OF TEXAS PLUGGING REPORT for Tracking #66803

Owner: **Audrey Delisle**

Owner Well #: **No Data**

Address: **5731 Hwy 183 N  
Liberty Hill, TX 78642**

Grid #: **58-17-3**

Well Location: **5731 Hwy 183 N  
Liberty hill, TX 78642**

Latitude: **30° 44' 10" N**

Longitude: **097° 52' 36" W**

Well County: **Williamson**

Elevation: **No Data**

Well Type: **Withdrawal of Water**

### Drilling Information

Company: **No Data**

Date Drilled: **No Data**

Driller: **N/A**

License Number: **No Data**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>4</b>		<b>285</b>

### Plugging Information

Date Plugged: **10/15/2010**

Plugger: **Clifford Bohannon**

Plug Method: **Tremmie pipe cement from bottom to top**

Casing Left in Well:

Plug(s) Placed in Well:

<i>Dia (in.)</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4</b>		

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>285</b>	<b>32 Cement</b>

Certification Data:

The driller certified that the driller plugged this well (or the well was plugged 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 reports(s) being returned for completion and resubmittal.

Company Information: **Highland Drilling Inc**

**4145 Hwy 29 E  
Burnet, TX 78611**

Driller Name: **Clifford Bohannon**

License Number: **4386**

Comments: **No Data**

## STATE OF TEXAS PLUGGING REPORT for Tracking #206003

Owner:	Klugman Co.	Owner Well #:	1
Address:	CR 212 Liberty Hill, TX 78642	Grid #:	58-17-3
Well Location:	CR 212 Liberty Hill, TX 78642	Latitude:	30° 43' 49.95" N
Well County:	Williamson	Longitude:	097° 53' 04.89" W
		Elevation:	No Data
Well Type:	Withdrawal of Water		

### Drilling Information

Company:	No Data	Date Drilled:	No Data
Driller:	No Data	License Number:	No Data
Borehole:	No Data		

### Plugging Information

Date Plugged: 12/22/2020      Plugger: Brice Bormann/ Jacob Buxton

Plug Method: Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet

#### Casing Left in Well:

Dia (in.)	Top (ft.)	Bottom (ft.)
5	0	500

#### Plug(s) Placed in Well:

Top (ft.)	Bottom (ft.)	Description (number of sacks & material)
0	20	Cement 8 Bags/Sacks
20	500	Bentonite 19 Bags/Sacks

Certification Data: The driller certified that the driller plugged this well (or the well was plugged 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 reports(s) being returned for completion and resubmittal.

Company Information: **Texan Water**  
**161 Industrial Loop**  
**Fredericksburg, TX 78624**

Driller Name: **Brice Bormann**      License Number: **54855**

Comments: **No Data**

## STATE OF TEXAS WELL REPORT for Tracking #11852

Owner: **David Vasquez**

Owner Well #: **No Data**

Address: **17101 Lenz Drive  
Round Rock, TX 78681**

Grid #: **58-17-3**

Well Location: **451 Branch Creek Trail  
Liberty Hill, TX 78642**

Latitude: **30° 44' 00" N**

Longitude: **097° 53' 39" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/9/2002**

Drilling End Date: **8/9/2002**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6</b>	<b>10</b>	<b>525</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>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 395',390',20'**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 50 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
435-524	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	11	Caliche
11	60	Blue LS
60	160	LT Gry LS
160	230	Gry LS
230	395	Gry-Tan LS
395	435	Tan-Sand LS
435	465	Gry-Grn-Sand (H20)
465	485	Tan LS
485	524	Gry-Grn-Sand (H20)
524	525	Tan LS

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	New	PVC +2 to 400 Sch40	
5	New	PVC 400-525 SDR17	

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #12407

Owner:	Leo Jraeue	Owner Well #:	No Data
Address:	CR 207 Liberty Hill, TX 78642	Grid #:	58-17-3
Well Location:	CR 207 Liberty Hill, TX 78642	Latitude:	30° 44' 43" N
Well County:	Williamson	Longitude:	097° 53' 48" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **8/6/2002**

Drilling End Date: **8/7/2002**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	10	0	22
	6	22	540

Drilling Method: **Air Rotary; Jetted**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	0	20	6

Seal Method: **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**

Water Level: **380 ft. below land surface on 2002-08-07** Measurement Method: **Unknown**

Packers: **Rubber 40**  
**220**  
**420**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 50 GPM**

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: **Hill Country Water Well**

**PO Box 220  
Briggs, TX 78608**

Driller Name: **Joe E McDearmon**

License Number: **2334**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	18	Cal
18	55	Gr Lime
55	85	Brn Lime
85	150	Gr Lime
150	180	Brn Lime
180	185	Gr Shale
185	280	Gr Lime
280	440	Sandstone
440	445	Sand Trinity
445	470	Sandstone
470	475	SandTrinity
475	490	Sandstone
490	495	Trinity Sand
495	515	Sandstone
515	520	Trinity Sand
520	540	Sandstone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0-540 Sch40



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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #13221

Owner: **David Vasquez**

Owner Well #: **No Data**

Address: **6405 Melrose Trail  
Austin, TX 78727**

Grid #: **58-17-3**

Well Location: **220 Branch Creek Trail  
Liberty Hill, TX 78642**

Latitude: **30° 44' 28" N**

Longitude: **097° 53' 41" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/9/2002**

Drilling End Date: **8/9/2002**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>10</b>
	<b>6</b>	<b>10</b>	<b>525</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>70</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 430',420',20'**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 50 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
435-524	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	11	Caliche
11	60	Blue LS
60	160	LT Gry LS
160	230	Gry LS w/Clay
230	395	Gry Tan LS
395	435	Tan-Sandy LS
435	465	Gry Grn-Sand
465	485	Tan LS
485	524	Gry-Grn Sand
524	525	Tan LS

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	New	PVC +2 to 400 Sch40	
5	New	PVC 400-525 SDR17	

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(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #17415

Owner: **Joseph Taver**

Owner Well #: **No Data**

Address: **2920 Co. Rd. 207  
Liberty Hill, TX 78642**

Grid #: **58-17-3**

Well Location: **2920 Co. Rd. 207  
Liberty Hill, TX 78642**

Latitude: **30° 44' 44" N**

Longitude: **097° 53' 48" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/9/2002**

Drilling End Date: **8/10/2002**

	<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</b>	<b>20</b>	<b>540</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</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 Slab Installed**

Water Level: **380 ft. below land surface on 2002-08-10** Measurement Method: **Unknown**

Packers: **Rubber 40  
260  
400**

Type of Pump: **Submersible**

Well Tests: **Unknown** Yield: **50 GPM**

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: **Hill Country Water Well**

**PO Box 220  
Briggs, TX 78608**

Driller Name: **Joe E McDearmon**

License Number: **2334**

Comments: **Verbal Warning issued late filing 8/13/09**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	18	Cal
18	160	Gr. Lime
160	185	Brn. Lime
185	190	Gr. Shale
190	240	Brn. Lime
240	245	Gr. Shale
245	290	Brn. Lime
290	380	Sandstone
380	385	Gr. Shale
385	430	Sandstone
430	435	Trinity Sands
435	470	Sandstone
470	475	Sands
475	510	Sandstone
510	513	Sand
513	525	Sandstone
525	527	Sand
527	540	Sandstone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0-540 Sch 40

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## STATE OF TEXAS WELL REPORT for Tracking #17418

Owner: **Charemon Poff**

Owner Well #: **No Data**

Address: **150 CR 202  
Liberty Hill, TX 78642**

Grid #: **58-17-3**

Well Location: **150 CR 202  
Liberty Hill, TX 78642**

Latitude: **30° 44' 24" N**

Longitude: **097° 54' 00" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/7/2002**

Drilling End Date: **10/8/2002**

	<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</b>	<b>20</b>	<b>500</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</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 Slab Installed**

Water Level: **360 ft. below land surface on 2002-10-08** Measurement Method: **Unknown**

Packers: **Rubber 40  
260  
400**

Type of Pump: **Submersible**

Well Tests: **Jetted** Yield: **60 GPM**



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: **Hill Country Water Well**  
**PO Box 220**  
**Briggs, TX 78608**

Driller Name: **Joe E McDearmon**

License Number: **2334**

Comments: **Verbal Warning issued late filing 8/13/09**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-3		Top Soil
3-17		Cal
17-120		Gr. Lime
120-125		Gr. Shale
125-180		Gr. Lime
180- 240		Brn. Lime
240-310		Gr. Lime
310-340		Sandstone
340-345		Gr. Shale
345-420		Sandstone
420-425		Trinity Sands
425-460		Sandstone
460-465		Trinity Sands
465-470		Sandstone
470-475		Trinity Sands
475-500		Sandstone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0-500 Sch 40

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**Austin, TX 78711**  
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## STATE OF TEXAS WELL REPORT for Tracking #93030

Owner: **CYPRESS VALLEY PRESERVE**

Owner Well #: **No Data**

Address: **P.O. BOX 162525  
AUSTIN, TX 78716**

Grid #: **58-17-3**

Well Location: **HWY 183  
LIBERTY HILL, TX 78642**

Latitude: **30° 44' 41" N**

Longitude: **097° 53' 18" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/18/2006**

Drilling End Date: **8/19/2006**

	<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>510</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 CEMENT</b>

Seal Method: **GRAVITY FEED**

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: **VISUAL**

Surface Completion: **Surface Sleeve Installed**

Water Level: **335 ft. below land surface on 2006-08-19** Measurement Method: **Unknown**

Packers: **RUBBER 400'**

Type of Pump: **No Data**

Well Tests: **Estimated** Yield: **70 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
422	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: **HARRISON WELL SERVICE, INC**  
**P.O. BOX 986**  
**LAMPASAS, TX 76550**

Driller Name: **JUAN MUNOZ** License Number: **54176**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	25	OVERBURDEN
25	404	GRAY SHALE
404	422	GRAY SANDSTONE
422	447	SAND (WATER)
447	459	SAND/LIMESTONE MIX
459	491	SAND (WATER)
491	510	LIMESTONE/SAND MIX

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6"	NEW	SCH 40 PVC	0-20
4 1/2"	NEW	SDR 17 PVC	0-508
		SLOTTED	438-508

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## STATE OF TEXAS WELL REPORT for Tracking #154755

Owner: **Todd Watson**

Owner Well #: **1**

Address: **2709 Candle Ridge Trail  
Georgetown, TX 78626**

Grid #: **58-09-9**

Well Location: **975 Private Road 905  
Liberty Hill, TX**

Latitude: **30° 45' 17" N**

Longitude: **097° 53' 16" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/28/2008**

Drilling End Date: **8/30/2008**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>100</b>
	<b>6.25</b>	<b>100</b>	<b>580</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>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: **No Data**

Surface Completion: **Alternative Procedure Used**

Water Level: **400 ft. below land surface on 2008-08-30** Measurement Method: **Unknown**

Packers: **RUBBER 40'  
RUBBER 500'**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 45 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	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: **HILL COUNTRY WATER WELL**  
**P.O.BOX 220**  
**BRIGGS, TX 78608**

Driller Name: **JOE E. MCDEARMON**

License Number: **2334**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	20	CAL
20	160	GR LIME
160	165	GR SHALE
165	220	GR LIME
220	320	BRN LIME
320	420	GR LIME
420	460	BRN LIME
460	510	SANDSTONE
510	515	SAND
515	525	SANDSTONE
525	530	TRINITY SAND
530	560	SANDSTONE
560	570	TRINITY SAND
570	580	SANDSTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0'/500' SDR17
4.5	NEW	PLASTIC	500'/570' .032

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## STATE OF TEXAS WELL REPORT for Tracking #168170

Owner: **Tommy Roberts**

Owner Well #: **No Data**

Address: **1616 Brazil Drive  
Cedar Park, TX 78613**

Grid #: **58-17-3**

Well Location: **100 Branch Creek Trail  
Liberty Hill, TX 78641**

Latitude: **30° 44' 35" N**

Longitude: **097° 53' 49" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/5/2004**

Drilling End Date: **7/31/2004**

	<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>520</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 Cement</b>

Seal Method: **Hand Poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **115**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape from proposed  
site**

Surface Completion: **Surface Sleeve Installed**

Water Level: **370 ft. below land surface on 2004-08-01**

Measurement Method: **Unknown**

Packers: **Shale Catcher 480', 20'**

Type of Pump: **Submersible**

Pump Depth (ft.): **480**

Well Tests: **Estimated** **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: **Tom Arnold Drilling**  
**1147 CR 170**  
**Round Rock, TX 78664**

Driller Name: **Tommy D. Arnold**

License Number: **2096**

Comments: **\$mew**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Top Soil
2	15	Yellow Limestone
15	41	Blue Limestone & Shale
41	58	Yellow Limestone
58	61	Blue Limestone & Shale
61	98	Gray Limestone
98	106	Blue Limestone
106	242	Gray Limestone
242	260	Brown Limestone
260	383	Gray Limestone
383	450	Gray Sandstone
450	480	Gray Sandstone & Sand Strips
480	500	Gray Sand & Sandstone Strips
500	520	Gray Limestone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6	New	Plastic	0 - 20
4 1/2	New	Plastic	0 - 520
Perf.			480 - 500

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #190589

Owner:	<b>SCOTT VANCE</b>	Owner Well #:	<b>001</b>
Address:	<b>5760 N. HWY 183 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>5760 N. HWY 183 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 44' 21" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 30" W</b>
		Elevation:	<b>914 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **7/22/2009** Drilling End Date: **7/22/2009**

	<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>630</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>6 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.): **300**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **STEEL TAPE**

Surface Completion: **Surface Sleeve Installed**

Water Level: **450 ft. below land surface on 2009-07-24** Measurement Method: **Unknown**

Packers: **1 NEOPRENE 12  
1 NEOPRENE 490**

Type of Pump: **Submersible** Pump Depth (ft.): **610**

Well Tests: **Jetted** Yield: **30 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: **57534**Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	TOPSOIL
1	7	CALICHE
7	12	TAN ROCK
12	90	GRAY LIMESTONE
90	140	BLUE SHALE
140	470	GRAY ROCK AND BLUE SHALE
470	490	SANDSTONE
490	510	SAND W/B 30 GPM TDS 600
510	570	WHITE AND LIGHT GREEN ROCK
570	630	GRAY BROKEN ROCK

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0 510
4.5	NEW	SCREEN MFG.	510 570 .050
4.5	NEW	PLASTIC	570 630

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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## STATE OF TEXAS WELL REPORT for Tracking #191567

Owner:	<b>Nathan &amp; Desirae Wilson</b>	Owner Well #:	<b>1</b>
Address:	<b>374 Branch Creek Trail Liberty Hill, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>374 Branch Creek Trail Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 39" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 30" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/17/2009**      Drilling End Date: **8/18/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>50</b>
	<b>7</b>	<b>50</b>	<b>525</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>50</b>	<b>8</b>

Seal Method: **hand**

Sealed By: **ADC**

Distance to Property Line (ft.): **150+**

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: **385 ft. below land surface on 2009-08-27**      Measurement Method: **Unknown**

Packers: **neophrene 50'**  
**neophrene 480'**

Type of Pump: **Submersible**      Pump Depth (ft.): **460**

Well Tests: **Estimated**      Yield: **25 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>480'-525'</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

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>1</b>	<b>topsoil</b>
<b>1</b>	<b>18</b>	<b>tan caliche</b>
<b>18</b>	<b>480</b>	<b>gray lime</b>
<b>480</b>	<b>525</b>	<b>broken 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 525' sdr17</b>
			<b>slotted 480'-525'</b>

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## STATE OF TEXAS WELL REPORT for Tracking #244545

Owner: **Steve Lange**

Owner Well #: **No Data**

Address: **1291 PR 905  
Liberty Hill, TX 78642**

Grid #: **58-09-9**

Well Location: **1291 PR 905  
Liberty Hill, TX 78642**

Latitude: **30° 45' 18" N**

Longitude: **097° 53' 29" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/7/2006**

Drilling End Date: **6/9/2006**

	<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>585</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>10</b>	<b>7</b>

Seal Method: **Hand Poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **271**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape Measure**

Surface Completion: **Surface Sleeve Installed**

Water Level: **394 ft. below land surface on 2006-06-08** Measurement Method: **Unknown**

Packers: **Shale Trap 25',525',545'**

Type of Pump: **Submersible**

Pump Depth (ft.): **500**

Well Tests: **Estimated** 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: **Tom Arnold Drilling**  
**1147 CR 170**  
**Round Rock, TX 78664**

Driller Name: **Tommy D. Arnold**

License Number: **2096**

Comments: **\$dfs**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	12	Yellow Limestone
12	88	Gray Limestone
88	111	Brown Limestone
111	154	Gray Limestone and Shale
154	278	Gray Limestone
278	310	Brown Limestone
310	438	Gray Limestone
438	448	Brown Limestone
448	455	Blue Limestone and Shale
455	470	Gray Sandstone
470	490	Brown Sandstone
490	501	Blue Limestone
501	503	Gray Sandstone
503	522	Gray and White Sand
522	530	Gray Sandstone
530	540	Gray Sand
540	550	Brown and White Limestone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0 585
		Perforated	525 565

550	565	Gray and White Sand
565	585	Gray Sandstone

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## STATE OF TEXAS WELL REPORT for Tracking #343342

Owner: **David Tatum**

Owner Well #: **No Data**

Address: **2402 Granite Creek Dr  
Leander, TX 78613**

Grid #: **58-17-3**

Well Location: **451 Branch Creek Trail  
Liberty Hill, TX 78642**

Latitude: **30° 44' 50" N**

Longitude: **097° 53' 29" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/21/2013**

Drilling End Date: **8/21/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>25</b>
	<b>6</b>	<b>25</b>	<b>500</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>25</b>	<b>6 Cement</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: **Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **PVC and Burlap 25', 400', 420'**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 20+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
40	Hensell

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**  
**500 Southland Dr.**  
**Burnet, TX 78611**

Driller Name: **Frank Glass**

License Number: **1313**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Topsoil
1	25	Caleche
25	65	Blue Limestone
65	195	Gray Limestone
195	210	Brown Limestone
210	315	Gray Limestone
315	400	Gray and Brown Limestone
400	420	Tan Limestone
420	500	Cream Limestone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	OD New	PVC +2-440	SDR-17
5"	OD New	Perf PVC 440-500	SDR-17

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## STATE OF TEXAS WELL REPORT for Tracking #379581

Owner:	<b>BRENT GILMORE</b>	Owner Well #:	<b>1</b>
Address:	<b>3680 CR 207 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>3680 CR 207 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 45' 12" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 45" W</b>
		Elevation:	<b>1039 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/9/2014**

Drilling End Date: **9/10/2014**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>540</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>5</b>

Seal Method: **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: **OWNER**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data on 2014-09-10**

Measurement Method: **Unknown**

Packers: **RUBBER 40'  
RUBBER 460'  
RUBBER 500'**

Type of Pump: **Submersible**

Pump Depth (ft.): **480**

Well Tests: **Jetted** **Yield: 35 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: **HILL COUNTRY WATER WELL**  
**POBOX 220**  
**BRIGGS, TX 78608**

Driller Name: **JOE MCDEARMON**

License Number: **2334**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	25	CALICHE
25	80	GRAY LIME
80	180	BROWN LIME
180	240	GRAY LIME
240	300	BROWN LIME
300	400	GRAY LIME
400	480	SANDSTONE
480	485	GRAY SHALE
485	510	SANDSTONE
510	515	TRINITY SAND
515	525	SANDSTONE
525	530	TRINITY SAND
530	540	SANDSTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0-540 SDR17
4.5	NEW	PLASTIC	520 - 540 .032

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## STATE OF TEXAS WELL REPORT for Tracking #379598

Owner:	<b>BRIAN &amp; KIM BUTLER</b>	Owner Well #:	<b>No Data</b>
Address:	<b>5450 HWY 183 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>5450 HWY 183 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 44' 04" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 32" W</b>
		Elevation:	<b>1018 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/11/2014**      Drilling End Date: **9/13/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>600</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>560</b>	<b>5</b>

Seal Method: **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: **OWNER**

Surface Completion: **Surface Sleeve Installed**

Water Level:	<b>No Data on 2014-09-13</b>	Measurement Method:	<b>Unknown</b>
Packers:	<b>RUBBER 40' RUBBER 400' RUBBER 500'</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>540</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>40 GPM</b>



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: **HILL COUNTRY WATER WELL**

**POBOX 220  
BRIGGS, TX 78608**

Driller Name: **JOE MCDEARMON**

License Number: **2334**

Apprentice Name: **BRAD COWAN**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-18		CALICHE
18-80		GRAY LIME
80-140		BROWN LIME
140-280		GRAY LIME
280-360		BROWN LIME
360-420		GRAY LIME
420-480		SANDSTONE
480-485		SAND
485-520		SANDSTONE
520-525		TRINITY SAND
525-545		SANDSTONE
545-547		TRINITY SAND
547-600		SANDSTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
9 3/4"	NEW	PLASTIC	0-600 SDR17
6 1/2"	NEW	PLASTIC	20-600 SCREEN .032

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## STATE OF TEXAS WELL REPORT for Tracking #400823

Owner:	<b>BRADY VEENE</b>	Owner Well #:	<b>1</b>
Address:	<b>3700 CR 207 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>3700 CR 207 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 45' 18" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 32" W</b>
		Elevation:	<b>1082 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **6/2/2015**

Drilling End Date: **6/3/2015**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>580</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>40</b>	<b>6</b>

Seal Method: **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: **OWNER**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data on 2015-06-03**

Measurement Method: **Unknown**

Packers: **RUBBER 40'  
RUBBER 440'  
RUBBER 500'**

Type of Pump: **Submersible**

Pump Depth (ft.): **500**

Well Tests: **Jetted**      **Yield: 50 GPM with 0 ft. drawdown after unspecified hours**

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: **HILL COUNTRY WATER WELL**

**POBOX 220  
BRIGGS, TX 76808**

Driller Name: **JOE MCDEARMON**

License Number: **2334**

Apprentice Name: **BRAD COWAN**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	10	WHITE LIME
10	40	GRAY LIME
40	80	BROWN LIME
80	360	GRAY LIME
360	365	GRAY SHALE
365	460	GRAY LIME
460	465	GRAY SHALE
465	520	SANDSTONE
520	525	TRINITY SAND
525	550	SANDSTONE
550	560	TRINITY SAND
560	580	SANDSTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0' - 560' SDR17
4.5	NEW	PLASTIC	520' - 560' .032 SCREEN

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #411314

Owner:	<b>Jared Stephens</b>	Owner Well #:	<b>1</b>
Address:	<b>3692 CR 207 Liberty Hill, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>3692 CR 207 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 45' 14.6" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 45.7" W</b>
		Elevation:	<b>1063 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/24/2015**      Drilling End Date: **11/24/2015**

	<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>20</b>
	<b>6.75</b>	<b>20</b>	<b>550</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>30</b>	<b>Cement 4 Bags/Sacks</b>
	<b>30</b>	<b>50</b>	<b>Bentonite 3 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: **Pitless Adapter Used**

**Surface Completion by Driller**

Water Level: **441 ft. below land surface on 2015-11-25**      Measurement Method: **Electric Line**

Packers: **Rubber at 50 ft.  
Rubber at 480 ft.  
Rubber at 485 ft.**

Type of Pump: **Submersible**      Pump Depth (ft.): **500**

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: **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>1</b>	<b>Topsoil</b>
<b>1</b>	<b>25</b>	<b>Tan Lime</b>
<b>25</b>	<b>190</b>	<b>Grey Lime</b>
<b>190</b>	<b>350</b>	<b>Grey Sandstone</b>
<b>350</b>	<b>450</b>	<b>Grey Lime</b>
<b>450</b>	<b>515</b>	<b>Grey Sandstone W/B 490-510 5gpm 700TDS</b>
<b>515</b>	<b>530</b>	<b>Conglomerate/Sand W/B 30gpm 600TDS</b>
<b>530</b>	<b>550</b>	<b>Conglomerate SS</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>-2</b>	<b>510</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>SDR-17</b>	<b>510</b>	<b>550</b>

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**Austin, TX 78711**  
**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #489415

Owner:	<b>VERGIL HAGGERTON</b>	Owner Well #:	<b>1</b>
Address:	<b>520 SUMMERWOOD DRIVE LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>520 SUMMERWOOD DRIVE LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 44' 05.61" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 05.55" W</b>
		Elevation:	<b>960 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/6/2018**

Drilling End Date: **8/7/2018**

	<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>560</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>Cement 6 Bags/Sacks</b>

Seal Method: **Hand Mixed**

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: **390 ft. below land surface on 2018-08-08** Measurement Method: **Sonic/Radar**

Packers: **Rubber at 160 ft.  
Rubber at 320 ft.  
Rubber at 480 ft.**

Type of Pump: **Submersible** Pump Depth (ft.): **500**

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: **Alpine water well service**

**10121 North IH35  
Jarrell, TX 76537**

Driller Name: **BOBBY STORK**

License Number: **2912**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	4	ROCKY TOP SOIL
4	19	CLEACHY
19	340	GREY SHALE
340	480	GREY SHALE AND Limestone
480	540	BROKEN Limestone AND WATER
540	560	Limestone

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
6		New Steel		-2	20
4.5		New Plastic (PVC)		0	500
4.5	Perforated or Slotted	New Plastic (PVC)		500	560

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## STATE OF TEXAS WELL REPORT for Tracking #499655

Owner:	<b>Lynda Jones</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3160 CR 207 Liberty Hill, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>3160 CR 207 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 45' 02.34" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 33.3" W</b>
		Elevation:	<b>1042 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/30/2018**      Drilling End Date: **11/30/2018**

	<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>570</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>6 cement 2 benseal Bags/Sacks</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **+100**

Distance to Septic Field or other  
concentrated contamination (ft.): **unknown**

Distance to Septic Tank (ft.): **unknown**

Method of Verification: **well drilled first by  
owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **437 ft. below land surface on 2018-11-30**      Measurement Method: **Sonic/Radar**

Packers: **burlap and plastic 450', 470'**  
**Burlap at 50 ft.**

Type of Pump: **Submersible**

Well Tests: **Estimated**      **Yield: 30-35 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>470 - 570</b>	<b>mid trinity, hensell</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: **SB**

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 bedrock</b>
<b>1</b>	<b>20</b>	<b>white calachie</b>
<b>20</b>	<b>415</b>	<b>blue lime</b>
<b>415</b>	<b>430</b>	<b>grey lime and clay</b>
<b>430</b>	<b>470</b>	<b>blue white limestone and clay</b>
<b>470</b>	<b>495</b>	<b>tan white limestone, H2O</b>
<b>495</b>	<b>535</b>	<b>tan brown limestone</b>
<b>535</b>	<b>545</b>	<b>course sand, H2O</b>
<b>545</b>	<b>560</b>	<b>tan grey limestone</b>
<b>560</b>	<b>570</b>	<b>white limestone</b>

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>-3</b>	<b>490</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>SDR17 0.020</b>	<b>490</b>	<b>550</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>550</b>	<b>570</b>

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## STATE OF TEXAS WELL REPORT for Tracking #520526

Owner:	<b>Martin Destefano</b>	Owner Well #:	<b>2</b>
Address:	<b>PO Box 160160 Austin, TX 78716</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>Hwy 183 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 43' 54.72" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 39.24" W</b>
		Elevation:	<b>1009 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **10/8/2011**      Drilling End Date: **10/9/2011**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>8</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>560</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>Cement 5 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: **No Data**

Packers: **Rubber at 40 ft.  
Rubber at 460 ft.**

Type of Pump: **No Data**

Well Tests: **Estimated      Yield: 30+ 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: **B & B Water Well Service, Inc**  
**PO Box 232**  
**Bertram, TX 78605**

Driller Name: **Joshua Dickinson**

License Number: **54204**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	TOPSOIL
2	15	CALICHE
15	420	BLUE SANDSTONE
420	460	SAND
460	480	BLUE SHALE
480	500	SAND
500	520	GREY SANDSTONE
520	540	SAND
540	560	BLUE SHALE

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17	20	500
4.5	Perforated or Slotted	New Plastic (PVC)	SCH40	500	540
4.5	Blank	New Plastic (PVC)	SDR17	540	560

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## STATE OF TEXAS WELL REPORT for Tracking #520550

Owner:	<b>Carlos Higgins</b>	Owner Well #:	<b>No Data</b>
Address:	<b>5490 183 Liberty Hill, TX 78642</b>	Grid #:	<b>58-18-1</b>
Well Location:	<b>5490 183 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 02.05" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 28.25" W</b>
		Elevation:	<b>1013 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **7/24/2019**      Drilling End Date: **7/25/2019**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>580</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>Cement 7 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 Sleeve Installed**

**Surface Completion by Driller**

Water Level: **389 ft. below land surface on 2019-07-25**

Packers: **Rubber at 40 ft.  
Rubber at 400 ft.  
Rubber at 500 ft.**

Type of Pump: **Submersible**

Pump Depth (ft.): **500**

Well Tests: **Jetted      Yield: 50 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	trinity sands

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**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	TOPSOIL
2	14	CALICHE
14	480	GREY LIME
480	500	SANDSTONE
500	525	TRINITYSANDS
525	540	SANDSTONE
540	565	TRINITYSANDS
565	580	SANDSTONE

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17 0.032	0	580
4.5	Screen	New Plastic (PVC)	SDR17 0.032	520	520
4.5	Screen	New Plastic (PVC)	SDR17 0.032	560	560

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## STATE OF TEXAS WELL REPORT for Tracking #522543

Owner:	<b>Carlos Higgins</b>	Owner Well #:	<b>No Data</b>
Address:	<b>5490 Hwy `83 Liberty Hill, TX 78642</b>	Grid #:	<b>58-18-1</b>
Well Location:	<b>5490 Hwy `83 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 02.05" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 28.25" W</b>
		Elevation:	<b>1013 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/16/2019**      Drilling End Date: **9/18/2019**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>580</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>40</b>	<b>Cement 8 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 Sleeve Installed**

**Surface Completion by Driller**

Water Level: **429 ft. below land surface on 2019-09-18**

Packers: **Rubber at 40 ft.  
Rubber at 360 ft.  
Rubber at 500 ft.**

Type of Pump: **Submersible**

Pump Depth (ft.): **520**

Well Tests: **Jetted      Yield: 60 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**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>20</b>	<b>TOPSOIL</b>
<b>20</b>	<b>140</b>	<b>CALICHE</b>
<b>140</b>	<b>480</b>	<b>GR.LIME</b>
<b>480</b>	<b>485</b>	<b>GRSHALE</b>
<b>485</b>	<b>500</b>	<b>SANDSTONE</b>
<b>500</b>	<b>525</b>	<b>TRINITYSANDS</b>
<b>525</b>	<b>540</b>	<b>SANDSTONE</b>
<b>540</b>	<b>565</b>	<b>TRINITYSANDS</b>
<b>565</b>	<b>580</b>	<b>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>SDR17 0.032</b>	<b>0</b>	<b>580</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>SDR17 0.032</b>	<b>540</b>	<b>540</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>SDR17 0.032</b>	<b>560</b>	<b>560</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 #574707

Owner:	<b>SANTA RITA KC / MIDDLEBROOK, LLC</b>	Owner Well #:	<b>Saddleback Park #2</b>
Address:	<b>P.O. BOX 2445 ROUND ROCK, TX 78680</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>2130 CR 258 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 44' 15" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 51" W</b>
		Elevation:	<b>938 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **3/29/2021**      Drilling End Date: **3/29/2021**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>14.75</b>	<b>0</b>	<b>40</b>
	<b>9.5</b>	<b>40</b>	<b>710</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **50**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **N/A**

Method of Verification: **WELL DRILLED 1ST**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **BURLAP / RUBBER at 100 ft.  
BURLAP / RUBBER at 120 ft.  
BURLAP / RUBBER at 300 ft.  
BURLAP / RUBBER at 580 ft.  
BURLAP / RUBBER at 600 ft.  
BURLAP / RUBBER at 610 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted      No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
610 - 710	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: **Centex Pump & Supply, Inc.**  
**2520 Hwy. 290 West**  
**Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

**Report Amended on 1/23/2023 by Request #38512**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	TOPSOIL
2	17	CALICHE
17	20	BLUE
20	190	GRAY W/ CLAY
190	210	GRAY TAN
210	280	GRAY STREAK OF CLAY
280	510	GRAY TAN
510	530	TAN WHITE
530	705	TAN WHITE BROWN
705	710	GRAY CLAY

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
10	Blank	New Plastic (PVC)	SDR17	0	40
6.9	Perforated or Slotted	New Plastic (PVC)	SDR17	2	610
6.9	Perforated or Slotted	New Plastic (PVC)	SDR17	610	710

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## STATE OF TEXAS WELL REPORT for Tracking #605364

Owner:	Tom Evans	Owner Well #:	No Data
Address:	2450 CR 207 Liberty Hill, TX 78642	Grid #:	58-17-3
Well Location:	2450 CR 207 Liberty Hill, TX 78642	Latitude:	30° 44' 32.67" N
Well County:	Williamson	Longitude:	097° 53' 40.95" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 9/15/2021      Drilling End Date: 9/15/2021

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8.75	0	20
	6.25	20	550

Drilling Method: Air Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	-1	30	4 cement 1 benseal Bags/Sacks

Seal Method: Slurry

Sealed By: Driller

Distance to Property Line (ft.): 52

Distance to Septic Field or other  
concentrated contamination (ft.): +100

Distance to Septic Tank (ft.): +100

Method of Verification: owner

Surface Completion: Surface Sleeve Installed

Surface Completion by Driller

Water Level: 432 ft. below land surface on 2021-09-15      Measurement Method: Sonic/Radar

Packers: burlap 30  
burlap and plastic 450, 430

Type of Pump: Submersible

Well Tests: Estimated      Yield: 10-15 GPM

Water Quality:

Strata Depth (ft.)	Water Type
121	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: **Associated Drilling Inc**  
**PO BOX 673**  
**Dripping Springs, TX 78620**

Driller Name: **James Benoit**

License Number: **4064**

Comments: **Drilled for Dodson Well Service**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	topsoil
2	25	tan lime
25	410	blue lime
410	430	grey lime
430	460	blue white limestone and clay
460	495	tan white limestone and sand
495	530	white limestone
530	550	grey limestone

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	sdr17	-3	470
4.5	Screen	New Plastic (PVC)	sdr17 0.020	470	530
4.5	Blank	New Plastic (PVC)	sdr17	530	550

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## STATE OF TEXAS WELL REPORT for Tracking #624157

Owner:	<b>James Rodeghero</b>	Owner Well #:	<b>1</b>
Address:	<b>265 Branch Creek Trail Liberty Hill, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>265 Branch Creek Trail Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 49" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 43" W</b>
		Elevation:	<b>1132 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/9/2022**

Drilling End Date: **9/9/2022**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>8.75</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>610</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Cement 5 Bags/Sacks</b>

Seal Method: **Hand Mixed**

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: **No Data**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Rubber at 20 ft.  
Rubber at 455 ft.  
Rubber at 460 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 10 GPM after 1 hours, no drawdown 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: **Lucy Creek Water Well Service**  
**PO Box 1847**  
**Lampasas, TX 76550**

Driller Name: **Juan Munoz**

License Number: **54176**

Apprentice Name: **Mario Munoz**

Apprentice Number: **60427**

Comments: **TDS 218 PPM**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Soil
2	15	Overburden
15	115	Grey Lime + Shale
115	238	Grey Conglomerate
238	308	Tan Lime
308	400	Tan/Grey Conglomerate
400	435	Grey Lime
435	465	Grey Conglomerate
465	570	Sand, S.S., Conglomerate
570	605	Grey Lime
605	610	Clay

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR-17	0	470
4.5	Perforated or Slotted	New Plastic (PVC)	SDR-17 0.125	470	570
4.5	Blank	New Plastic (PVC)	SDR-17	570	590
4.5	Perforated or Slotted	New Plastic (PVC)	SDR-17 0.125	590	610

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #626329

Owner:	<b>S2 Properties</b>	Owner Well #:	<b>No Data</b>
Address:	<b>6250 US 183 Liberty Hill, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>6250 US 183 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 39" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 36" W</b>
		Elevation:	<b>1040 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/1/2022**      Drilling End Date: **11/2/2022**

	<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</b>	<b>20</b>	<b>540</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>Cement 4 Bags/Sacks</b>

Seal Method: **Gravity**

Sealed By: **Driller**

Distance to Property Line (ft.): **100**

Distance to Septic Field or other  
concentrated contamination (ft.): **none**

Distance to Septic Tank (ft.): **none**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level:	<b>420 ft. below land surface on No Data</b>	Measurement Method:	<b>Sonic/Radar</b>
Packers:	<b>Rubber at 100 ft. Rubber at 200 ft. Rubber at 400 ft.</b>		
Type of Pump:	<b>Submersible</b>		
Well Tests:	<b>No Test Data Specified</b>		

Water Quality:

Strata Depth (ft.)	Water Type
500 - 540	EDWARDS

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: **Alpine water well service**

**10121 North IH35  
Jarrell, TX 76537**

Driller Name: **Bobby Wayne Stork**

License Number: **2912**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	12	topsoil
12	18	caliche
18	460	grey shale
460	500	limestone
500	540	brocken limestone water

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
6		New Steel	40	0	20
4.5		New Plastic (PVC)	sdr17	0	500
4.5		New Plastic (PVC)	sdr17 30	500	540

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #633514

Owner:	<b>Raymond Buenteo</b>	Owner Well #:	<b>No Data</b>
Address:	<b>230 CR 202 Liberty Hill, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>230 CR 202 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 32.24" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 54' 07.63" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **3/6/2023**

Drilling End Date: **3/6/2023**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>8.75</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>550</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>-1</b>	<b>30</b>	<b>4 cement, 1 Benseal Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **51**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level:	<b>403 ft. below land surface on 2023-03-06</b>	Measurement Method:	<b>Sonic/Radar</b>
Packers:	<b>Burlap &amp; PVC 430', 410' Burlap 30'</b>		
Type of Pump:	<b>Submersible</b>		
Well Tests:	<b>Estimated</b>	<b>Yield: 15-20 GPM</b>	

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>403 - 550</b>	<b>Hensel</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**  
**500 Southland Drive**  
**Burnet, TX 78611**

Driller Name: **James Benoit**

License Number: **4064**

Comments: **Drilled for A&W Water Well Service**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>15</b>	<b>tan lime</b>
<b>15</b>	<b>415</b>	<b>blue lime</b>
<b>415</b>	<b>430</b>	<b>white limestone &amp; blue clay</b>
<b>430</b>	<b>460</b>	<b>white limestone &amp; sand</b>
<b>460</b>	<b>475</b>	<b>tan limestone</b>
<b>475</b>	<b>535</b>	<b>gray limestone</b>
<b>535</b>	<b>550</b>	<b>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>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>-3</b>	<b>470</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>SDR17 0.020</b>	<b>470</b>	<b>530</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>530</b>	<b>550</b>

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# 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 42)

#### A. Existing/Interim I Phase

Design Flow (MGD): 0.09

2-Hr Peak Flow (MGD): 0.36

Estimated construction start date: February 2026

Estimated waste disposal start date: August 2026

#### B. Interim II Phase

Design Flow (MGD): 0.18

2-Hr Peak Flow (MGD): 0.72

Estimated construction start date: February 2027

Estimated waste disposal start date: August 2027

#### C. Final Phase

Design Flow (MGD): 0.28

2-Hr Peak Flow (MGD): 1.12

Estimated construction start date: February 2028

Estimated waste disposal start date: August 2028

#### D. Current Operating Phase

Provide the startup date of the facility:

### Section 2. Treatment Process (Instructions Page 42)

#### 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.**

See Treatment Unit Sizing and Process Description Attachment

**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)
See Treatment Unit Sizing and Process Description Attachment		

**C. Process Flow Diagram**

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

**Attachment:** Process Flow Diagram

**Section 3. Site Information and Drawing (Instructions Page 43)**

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: 30.7443
- Longitude: -97.8776

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: Site Drawing**

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

The Facility will serve Cypress Valley Ranch Development, a new subdivision in Williamson County, Texas.

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

**Section 4. Unbuilt Phases (Instructions Page 44)**

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.**

**Section 5. Closure Plans (Instructions Page 44)**

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.

## Section 6. Permit Specific Requirements (Instructions Page 44)

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:

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.**

### 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.

The buffer zone will be met by ownership.

### 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*.

### 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.

#### 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.

**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.

**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 \_ or TXRNE

**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:

**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.

**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.

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.

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.

#### 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.

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.

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.

## Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 49)

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 49)

Facility Operator Name: To be determined

Facility Operator's License Classification and Level: To be determined

Facility Operator's License Number: To be determined



## Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 50)

### A. WWTP's Sewage Sludge or 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 Sewage Sludge or 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:

### C. Sewage Sludge or Biosolids Management

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

permit will authorize all sewage sludge or 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
Other					

If “Other” is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Monofill – transported to processing facility for disposal

#### D. Disposal site

Disposal site name: To be determined

TCEQ permit or registration number: To be determined

County where disposal site is located: TO be determined

#### E. Transportation method

Method of transportation (truck, train, pipe, other): To be determined

Name of the hauler: To be determined

Hauler registration number: To be determined

Sludge is transported as a:

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

## Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 52)

#### A. Beneficial use authorization

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

☐ Yes ☒ No

If **yes**, are you requesting to continue this authorization to land apply biosolids 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 checked="" type="checkbox"/> No
Marketing and Distribution of Biosolids	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input checked="" 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:**
- USDA Natural Resources Conservation Service Soil Map:  
**Attachment:**
- Federal Emergency Management Map:  
**Attachment:**
- Site map:  
**Attachment:**

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:**

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:

**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:

Total Kjeldahl Nitrogen, mg/kg:

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg:

Phosphorus, mg/kg:

Potassium, mg/kg:

pH, standard units:

Ammonia Nitrogen mg/kg:

Arsenic:

Cadmium:

Chromium:

Copper:

Lead:

Mercury:

Molybdenum:

Nickel:

Selenium:

Zinc:

Total PCBs:

Provide the following information:

Volume and frequency of sludge to the lagoon(s):

Total dry tons stored in the lagoons(s) per 365-day period:

Total dry tons stored in the lagoons(s) over the life of the unit:

**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.

**D. Site development plan**

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

Attach the following documents to the application.

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

**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:**

## Section 12. Authorizations/Compliance/Enforcement (Instructions Page 54)

### 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:

### 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:

## 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:**

## Section 14. Laboratory Accreditation (Instructions Page 55)

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: Michael Slack

Title: Director of Development

Signature: 

Date: 1.29.25



# 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 56)

#### 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.

The Cypress Valley Ranch Development will serve approximately 930 LUEs at 300gpd/LUE. This will generate approximately 280,000 gallons per day of domestic strength wastewater at full-buildout. This is line with other communities in the general vicinity that uses similar flow generation. There are no facilities within 3 miles that have capacity, and it is not economically feasible to connect.

#### 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:

If yes, attach correspondence from the city.

**Attachment:**

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:**

##### 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>



## 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	0.28	350
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	0.28	
AVERAGE BOD <sub>5</sub> from all sources		350

## Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 58)

### 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:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l: ≥2

Other:

**B. Interim II Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 20

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l: ≥2

Other:

**C. Final Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 20

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l: ≥2

Other:

**D. Disinfection Method**

Identify the proposed method of disinfection.

☒ Chlorine: 1-4 mg/l after 20 minutes detention time at peak flow

Dechlorination process: OR

☒ Ultraviolet Light: 10 seconds contact time at peak flow

☐ Other:

**Section 4. Design Calculations (Instructions Page 58)**

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

**Attachment:** Design Calculations

**Section 5. Facility Site (Instructions Page 59)**

**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.

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

FEMA NHFL Viewer: 481079

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:

If **no**, provide the approximate date you anticipate submitting your application to the Corps:

#### B. Wind rose

Attach a wind rose: Windrose

### Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 59)

#### 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)**:

#### 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)**:

### Section 7. Sewage Sludge Solids Management Plan (Instructions Page 60)

Attach a solids management plan to the application.

**Attachment:** Solids Management Plan

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 67)

Identify the method of land disposal:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Surface application | <input type="checkbox"/> Subsurface application                |
| <input 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):    |  |

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

For existing authorizations, provide Registration Number:

## Section 2. Land Application Site(s) (Instructions Page 67)

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 Grass and Winter Rye Grass (Phase 1)	26.0	90,000	Y
Bermuda Grass and Winter Rye Grass (Phase 2)	52.0	180,000	Y
Bermuda Grass and Winter Rye Grass (Phase 3)	81.0	280,000	Y

## Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 67)

**Table 3.0(2) – Storage and Evaporation Ponds**

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
1	3	60	See Site Drawing	Synthetic membrane or clay liner
2	1.9	24	See Site Drawing	Synthetic membrane or clay liner

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

**Attachment:** Liner Certification

## Section 4. Flood and Runoff Protection (Instructions Page 67)

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.

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

FEMA NFHL Viewer: 481079

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



## Section 5. Annual Cropping Plan (Instructions Page 67)

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:** Annual Cropping Plan

- 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 68)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment:** USGS TLAP Map

- 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
See Well ID Attachment				

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

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

**Attachment:** Well ID Attachment

## Section 7. Groundwater Quality (Instructions Page 68)

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:** Groundwater Quality Report

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:**

## Section 8. Soil Map and Soil Analyses (Instructions Page 69)

### A. Soil map

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

**Attachment:** USDA Soils Map

### 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:** Soil Report

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
See Soil Report				

## Section 9. Effluent Monitoring Data (Instructions Page 70)

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**

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

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

# 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 71)

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

#### A. Irrigation

Area under irrigation, in acres: 81

Design application frequency:

hours/day 0.33(20 min/d) And days/week 7

Land grade (slope):

average percent (%): 3-5

maximum percent (%): 3-8

Design application rate in acre-feet/acre/year: 3.87

Design total nitrogen loading rate, in lbs N/acre/year: 315

Soil conductivity (mmhos/cm): See Soil Report

Method of application: Spray Irrigation

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

**Attachment:** Water Balance and 3.1 Surface Land Disposal Engineering Report

#### B. Evaporation ponds

Daily average effluent flow into ponds, in gallons per day:

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

**Attachment:**

#### C. Evapotranspiration beds

Number of beds:

Area of bed(s), in acres:

Depth of bed(s), in feet:

Void ratio of soil in the beds:

Storage volume within the beds, in acre-feet:

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

**Attachment:**

#### D. Overland flow

Area used for application, in acres:

Slopes for application area, percent (%):

Design application rate, in gpm/foot of slope width:

Slope length, in feet:

Design BOD<sub>5</sub> loading rate, in lbs BOD<sub>5</sub>/acre/day:

Design application frequency:

hours/day: \_ **And** days/week:

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

**Attachment:**

### Section 2. Edwards Aquifer (Instructions Page 72)

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?

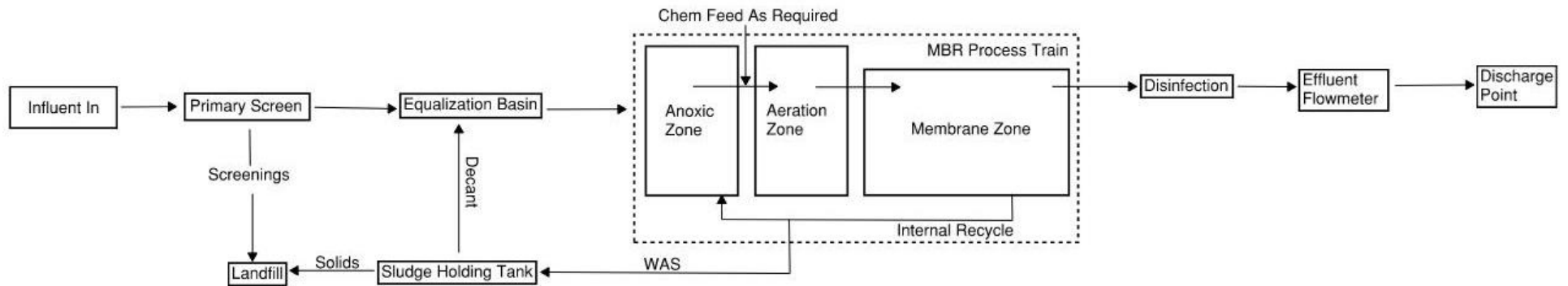
☐ Yes ☒ No

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

**Attachment:**

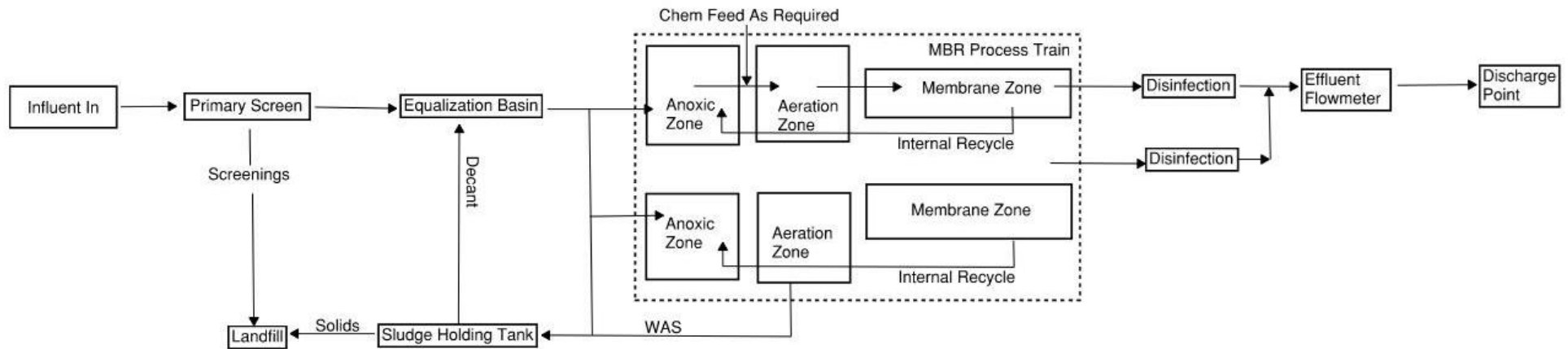
# Cypress Valley Ranch WWTF - Process Description

Phase 1 – 90,000 gpd



# Cypress Valley Ranch WWTF - Process Description

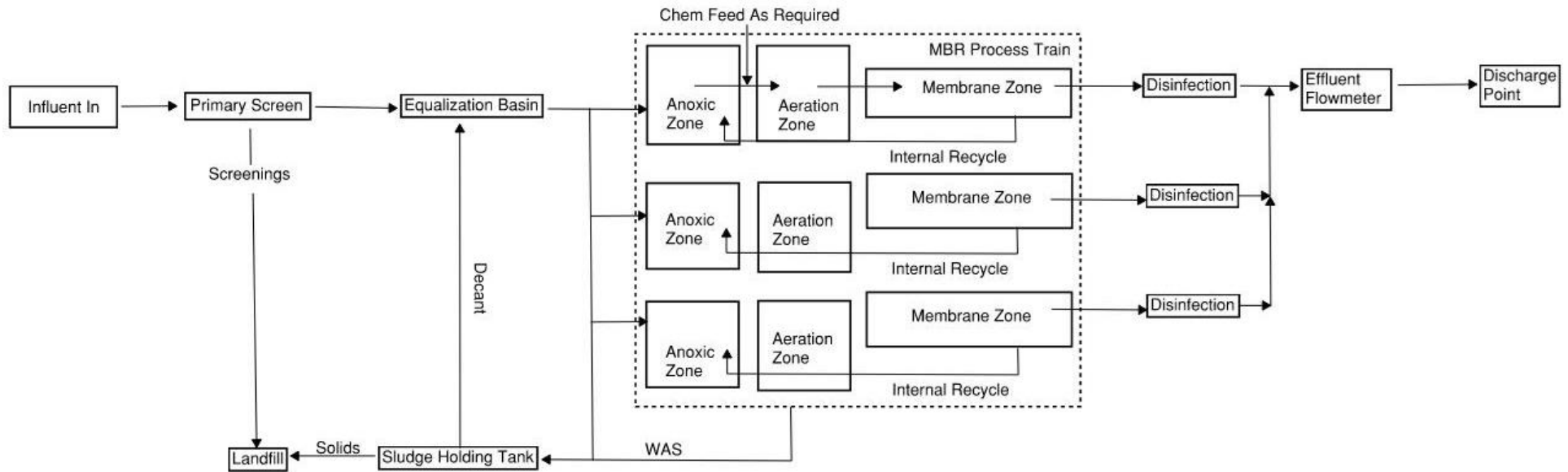
## Phase 2 – 180,000 gpd





# Cypress Valley Ranch WWTF - Process Description

Final Phase – 280,000 gpd



# Cypress Valley Ranch WWTF

## Treatment Unit Sizing and Process Description

### Treatment Process Description

Cypress Valley Ranch WWTF will be an MBR system consisting of several process trains. The system will have a primary screen, equalization tanks, multiple process trains consisting of anoxic, aeration, membrane zones, and sludge holding tanks. The facility will utilize UV or Chlorine disinfection. The design will be in accordance with Texas Administrative Code Title 30, Part 1: Texas Commission on Environmental Quality (TCEQ) Chapter 217 (Design Criteria for Domestic Wastewater Systems).

### Treatment Unit Sizing

#### Phase 1 – 90,000 GPD

Headworks with Screening	
Equalization Tank	(1) 16' X 16' X 10' SWD = 19,148 gal
Sludge Holding Tank	(1) 15'dia X 15' SWD = 19,817 gal
Process Units (MBR)	(1) 40' X 20' X 10' SWD = 47,872 gal
Chlorine Contact Chamber	(1) 10' X 15' X 5' SWD = 5,610 gal

#### Phase 2 – 180,000 GPD

Headworks with Screening	
Equalization Tank	(2) 16' X 16' X 10' SWD = 38,297 gal
Sludge Holding Tank	(2) 15'dia X 15' SWD = 39,634 gal
Process Units (MBR)	(2) 40' X 20' X 10' SWD = 95,744 gal
Chlorine Contact Chamber	(2) 10' X 15' X 5' SWD = 11,220 gal

#### Final Phase – 280,000 GPD

Headworks with Screening	
Equalization Tank	(3) 16' X 16' X 10' SWD = 57,444 gal
Sludge Holding Tank	(3) 15'dia X 15' SWD = 59,451 gal
Process Units (MBR)	(3) 40' X 20' X 10' SWD = 143,616 gal
Chlorine Contact Chamber	(3) 10' X 15' X 5' SWD = 16,830 gal

# Cypress Valley Ranch WWTF - Design Calculations

## Phase 1

Flow 90,000 gpd  
2 hr peak 360,000 gpd

Equalization Sizing Minimum  
2.5Q for 2 hours 18,750 gal  
  
Chlorine Sizing Minimum  
4Q for 20 min 5,000 gal

### Using 2% Flow for WAS Rate

WAS Rate 1,800 gpd  
  
Sludge Storage Days 10 days  
Sludge Holding Minimum 18,000 gal

## Phase 2

Flow 180,000 gpd  
2 hr peak 720,000 gpd

Equalization Sizing Minimum  
2.5Q for 2 hours 37,500 gal  
  
Chlorine Sizing Minimum  
4Q for 20 min 10,000 gal

### Using 2% Flow for WAS Rate

WAS Rate 3,600 gpd  
  
Sludge Storage Days 10 days  
Sludge Holding Minimum 36,000 gal

## Final Phase

Flow 280,000 gpd  
2 hr peak 1,120,000 gpd

Equalization Sizing Minimum  
2.5Q for 2 hours 58,333 gal  
  
Chlorine Sizing Minimum  
4Q for 20 min 15,556 gal

### Using 2% Flow for WAS Rate

WAS Rate 5,600 gpd  
  
Sludge Storage Days 10 days  
Sludge Holding Minimum 56,000 gal

# Cypress Valley Ranch WWTF - Design Calculations

Bioreactor Calculation							
<b>1. Design Calculation</b>							
<b>1.1</b>	<b>Influent (m3/day)</b>				<b>1.2</b>	<b>Factors</b>	
Items	unit	m3/day	gal/day		Items	HRT	19.0 hr
	Average	1060	280,000			SRT	25.0 day
						C/N	4.7
	Design Flow	1060	280,000			C/P	29.6
						Temp	20.0 °C
						Sludge return	250 %
<b>1.3</b>	<b>Influent Quality</b>						
Items	BOD	COD <sub>Mn</sub>	SS	T-N	T-P	E.coli.	Remarks
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(Count/mL)	
Water quality	350.0	525.0	300.0	70.0	9.0	55000	
<b>1.4</b>	<b>Influent and Effluent Water Quality</b>						
Items	BOD	COD <sub>Mn</sub>	SS	T-N	T-P	E.coli.	
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(Count/mL)	
Influent quality	350.0	525.0	300.0	70.0	9.0	55,000	
Effluent quality	5.0	10.0	5.0	20.0	1.0	1.26	
<b>1.5</b>	<b>Bioreactor Volume</b>						
Items	Width	Length	Depth	Height	tank	Volume	HRT
	(mW)	(mL)	(mHe)	(mH)	(#)	(m <sup>3</sup> )	(hr)
Anoxic	2.4	12.0	2.2	2.3	2	124.1	7.9
Oxic	2.4	12.0	2.1	2.3	2	118.4	7.5
MBR	2.4	12.0	2.0	2.3	1	56.4	3.6
Total						363.8	19.0
Note: If bioreactor volume sizes are above the volume calcauted by 30-40%, it will be okay.							
<b>1.6</b>	<b>Sludge Production</b>			<b>1.7</b>	<b>Air Requirement</b>		
Items	Sludge (m <sup>3</sup> /day)		Water contents (%)	Items	Oxic reactor (m <sup>3</sup> /min)		3.11
	6.0		99.2		MBR (m <sup>3</sup> /min)		12.0

# Cypress Valley Ranch WWTF - Design Calculations

## 2 MASS BALANCE

(Q = 1060 m<sup>3</sup>/day)

280,000 GPD

Temp. : 20 °C  
68 F

Influent		
Q	1060	
BOD	350.0	132.5
COD	525.0	198.7
SS	300.0	113.6
T-N	70.0	26.5
T-P	9.0	3.4
E.Coli	55,000	Count/ml

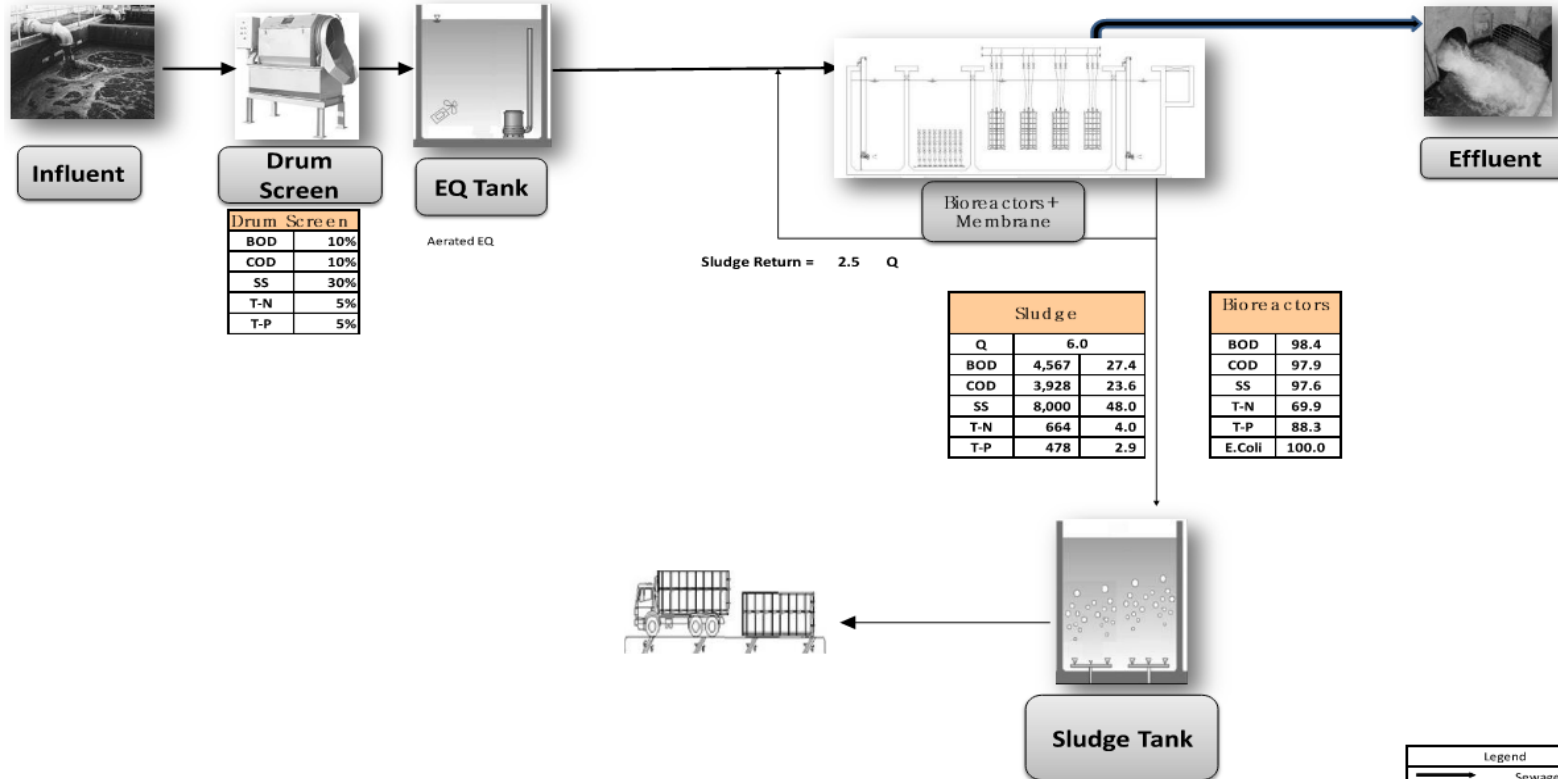
EQ Tank		
Q	1060	
BOD	315.0	119.2
COD	472.5	178.8
SS	210.0	79.5
T-N	66.5	25.2
T-P	8.6	3.2
E.Coli	55000	Count/ml

Bioreactors		
Q	1060	
BOD	315.0	119.2
COD	472.5	178.8
SS	210.0	79.5
T-N	66.5	25.2
T-P	8.6	3.2
E.Coli	55,000	Count/ml

Factors	
MLSS	5,800
	8,000
F/M	0.06
TEMP.	20
SRT	42.6
MLVSS	0.69
FLUX	0.4

Effluent		
Q	1060	
BOD	5.0	1.9
COD	10.0	3.7
SS	5.0	1.9
T-N	20.0	7.5
T-P	1.0	0.4
E.Coli	1	Count/ml

Reuse		
Q	1060	
BOD	5.0	1.9
COD	10.0	3.7
SS	5.0	1.9
T-N	20.0	7.5
T-P	1.0	0.4
E.Coli	1	Count/ml



# Cypress Valley Ranch WWTF - Design Calculations

Items	Ranges			Design Values	Unit
Anoxic/Oxic MLSS ( $X_{TSS}$ )	4,000	~	9,500	5,800	mg/L
Oxic MLSS ( $X_{OX}$ )	6,000	~	12,000	8,000	mg/L
MLVSS/MLSS( $X_V$ )	MLVSS	/	MLSS	0.7	
F/M ration	0.01	~	0.30	0.06	kgBOD/kgMLVSS-d
Sludge return ( $X_{r1}$ )	50	~	400	250	%
Sludge retention time (SRT)	15	~	50	35.6	day
Bio reactor temperature	10	~	30	20	°C
Bio reactor pH	6.8	~	7.2	7.0	
Dissolved Oxygen concentration (DO)	2.0	~	5.0	2.0	mg/L
Y(net), Sludge yield	0.30	~	0.60	0.47	mgVSS/mgBOD <sub>rem</sub>
b, Sludge decay coefficient	0.05	~	0.30	0.15	day <sup>-1</sup>
$\mu_{Nmv}$ , Max nitrifier production	0.30	~	0.60	0.47	day <sup>-1</sup>
Y <sub>N</sub> (net), Nitrifier yield	0.10	~	0.30	0.20	mgVSS/mgNH <sub>4</sub> N <sub>rem</sub>
K <sub>o</sub> , O <sub>2</sub> Half saturation coefficient	0.40	~	0.60	0.50	O <sub>2</sub> mg/L
K <sub>N</sub> NH <sub>4</sub> -N Half saturation coefficient	0.20	~	5.00	0.74	NH <sub>4</sub> -N mg/L
Membrane Flux	Design			0.40	m <sup>3</sup> /m <sup>2</sup> ·d
				16.7	LMH
				9.8	GFD
SNR, Specific Nitrification Rate	Oxic			2.70	mgNH <sub>4</sub> N/gMLVSS·hr
SDNR, Specific denitrification Rate				2.70	mgNO <sub>3</sub> N/gMLVSS·hr
SPUR				1.24	mg P/gMLSS·hr
BOD/P <sub>rel</sub>				12.0	P releasing
BOD/No <sub>x</sub> -N <sub>rem</sub>				2.86	Denitrification
N/VSS, Nitrogen % in Biomass	5.00	~	12.0	12.0	%
P/VSS, Phosphorus % in Biomass	1.00	~	7.50	5.8	P uptaking (%)

# Cypress Valley Ranch WWTF – Solids Management Plan

The permit application includes three phases of flows as described below:

- Phase 1 = 0.09 MGD
- Phase 2 = 0.18 MGD
- Final Phase = 0.28 MGD

Estimated solids generation is based on the below listed criteria:

- Average Influent BOD = 350 mg/L
- Design Influent BOD = 350 mg/L
- Solids Generated = 0.98 Pound Solids per Pound of BOD applied
- Calculations are based on the average influent BOD, as stipulated in Chapter 217.250 for firm dewatering capacity.

(a) Operating range for the mixed liquor suspended solids in the treatment process based on design flow and projected actual flow at the facility.

Phase #	Operating Range (mg/L)
Phase 1	8,000 – 12,000
Phase 2	8,000 – 12,000
Final Phase	8,000 – 12,000

(b) Description of the procedure and method of solids removal from both wastewater and sludge treatment processes.

The sludge wasting pumps will convey sludge from the treatment basins to the sludge holding basin in final phase. The sludge wasting pumps will be operated manually by the operator. The sludge holding basins/tanks will be pumped as a semi-liquid onto a transport truck where it will be taken to a permitted landfill.

(c) Quantity of solids to be removed from the process and schedule for removal of solids designed to maintain an appropriate solids inventory.

Solids will be removed from the sludge holding basin on a 10-day rotation during final phase. Cypress Valley Ranch WWTF currently does not plan to process waste activated sludge from other wastewater treatment plants in liquid or cake form through its sludge processing facilities.

## Solids Generated at 100, 75, 50, and 25 percent Design Flow:

### Phase 1: 0.09 MGD

100% Flow: Solids Generation =  $(350 \text{ mg/l})(0.09\text{MGD})(8.34 \text{ lb/mg})(0.98) = 258 \text{ lb/day}$   
75% Flow: Solids Generation =  $(350 \text{ mg/l})(0.0675\text{MGD})(8.34 \text{ lb/mg})(0.98) = 193 \text{ lb/day}$   
50% Flow: Solids Generation =  $(350 \text{ mg/l})(0.045\text{MGD})(8.34 \text{ lb/mg})(0.98) = 129 \text{ lb/day}$   
25% Flow: Solids Generation =  $(350 \text{ mg/l})(0.0225\text{MGD})(8.34 \text{ lb/mg})(0.98) = 64 \text{ lb/day}$

### Phase 2: 0.18 MGD

100% Flow: Solids Generation =  $(350 \text{ mg/l})(0.18\text{MGD})(8.34 \text{ lb/mg})(0.98) = 515 \text{ lb/day}$   
75% Flow: Solids Generation =  $(350 \text{ mg/l})(0.135\text{MGD})(8.34 \text{ lb/mg})(0.98) = 386 \text{ lb/day}$   
50% Flow: Solids Generation =  $(350 \text{ mg/l})(0.09\text{MGD})(8.34 \text{ lb/mg})(0.98) = 258 \text{ lb/day}$   
25% Flow: Solids Generation =  $(350 \text{ mg/l})(0.045\text{MGD})(8.34 \text{ lb/mg})(0.98) = 129 \text{ lb/day}$

## Cypress Valley Ranch WWTF – Solids Management Plan

Final Phase: 0.28 MGD

100% Flow: Solids Generation =  $(350 \text{ mg/l})(0.28 \text{ MGD})(8.34 \text{ lb/mg})(0.98) = 801 \text{ lb/day}$

75% Flow: Solids Generation =  $(350 \text{ mg/l})(0.21 \text{ MGD})(8.34 \text{ lb/mg})(0.98) = 601 \text{ lb/day}$

50% Flow: Solids Generation =  $(350 \text{ mg/l})(0.14 \text{ MGD})(8.34 \text{ lb/mg})(0.98) = 401 \text{ lb/day}$

25% Flow: Solids Generation =  $(350 \text{ mg/l})(0.07 \text{ MGD})(8.34 \text{ lb/mg})(0.98) = 200 \text{ lb/day}$



# Cypress Valley Ranch WWTF - Buffer Zone Map



150' BUFFER ZONE FROM WWTF

STORAGE POND 2

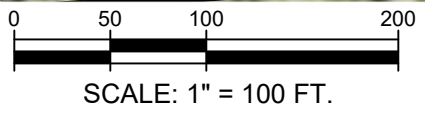
50' SETBACK FROM WATERS OF THE STATE  
(SEE ATTACHED LETTER OF REQUEST)

STORAGE POND 1

WWTF BOUNDARY

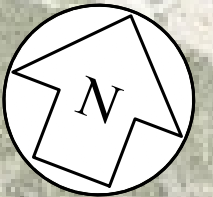


APPLICANT PROPERTY LINE



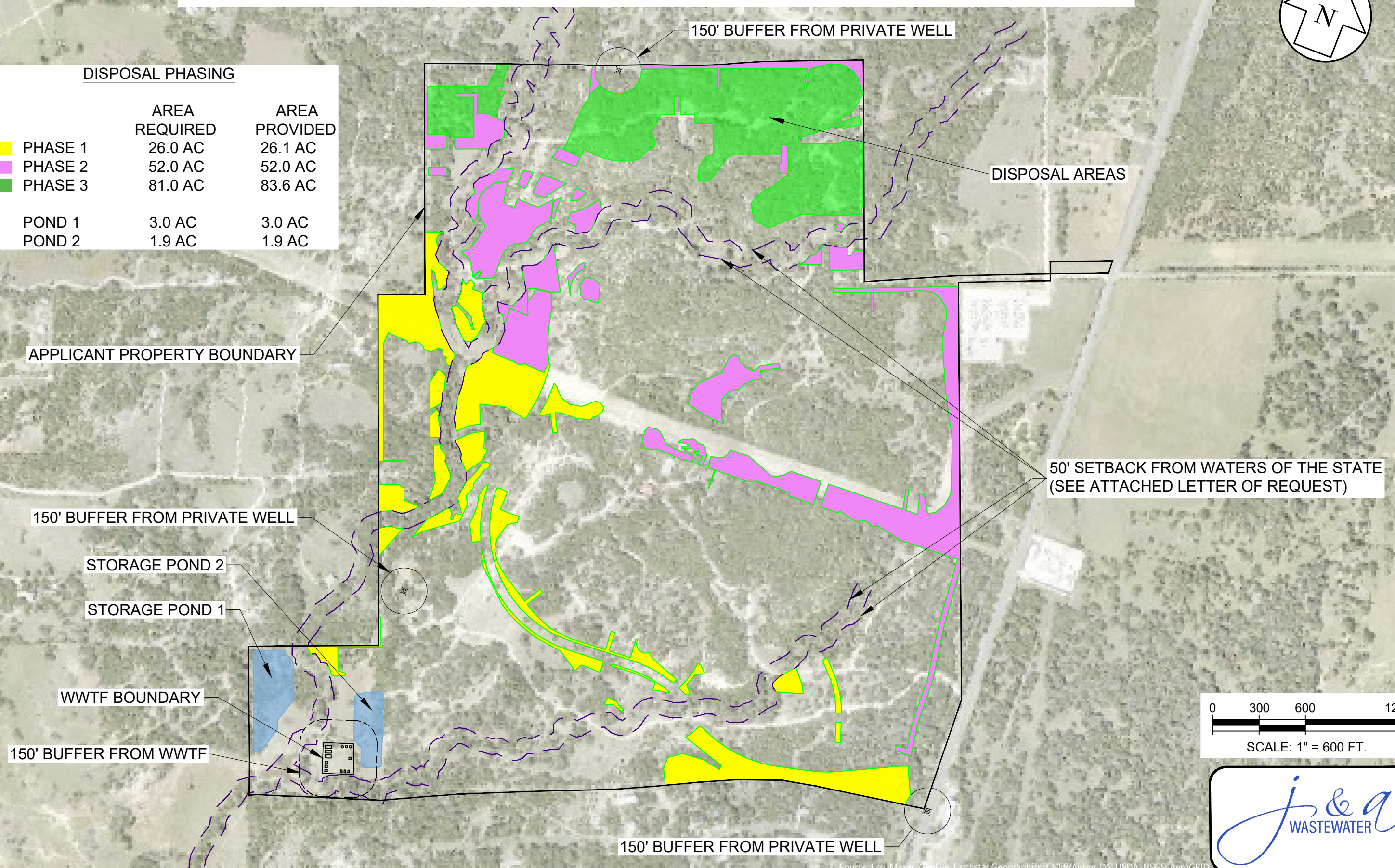


# Cypress Valley Ranch WWTF - Disposal Phasing Map

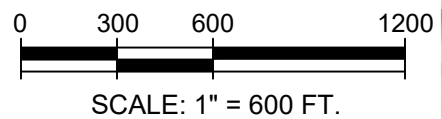
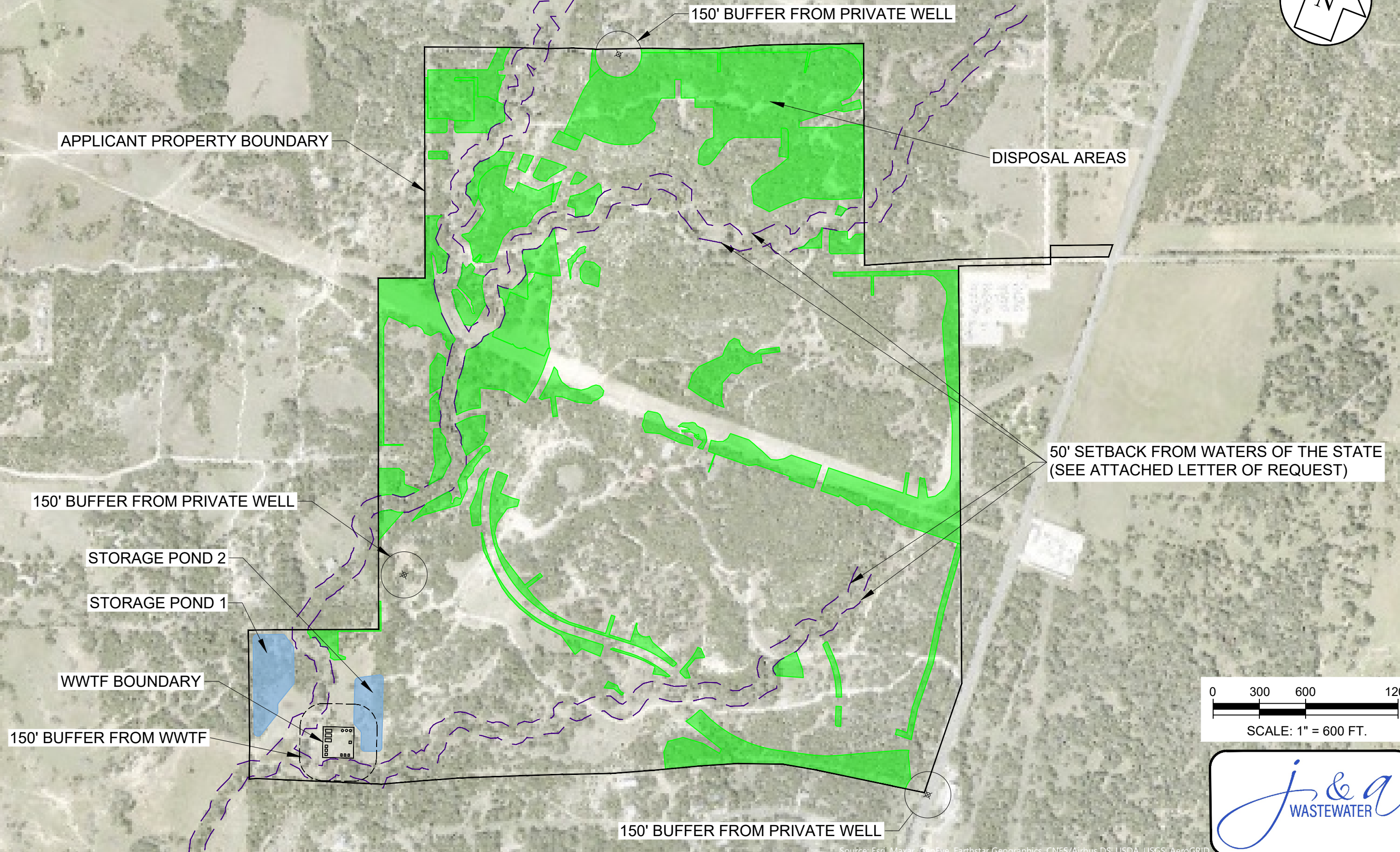
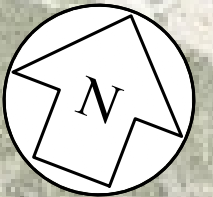


## DISPOSAL PHASING

	AREA REQUIRED	AREA PROVIDED
PHASE 1	26.0 AC	26.1 AC
PHASE 2	52.0 AC	52.0 AC
PHASE 3	81.0 AC	83.6 AC
POND 1	3.0 AC	3.0 AC
POND 2	1.9 AC	1.9 AC

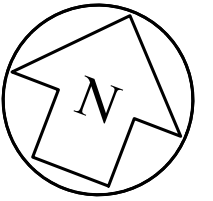


# Cypress Valley Ranch WWTF - Site Map

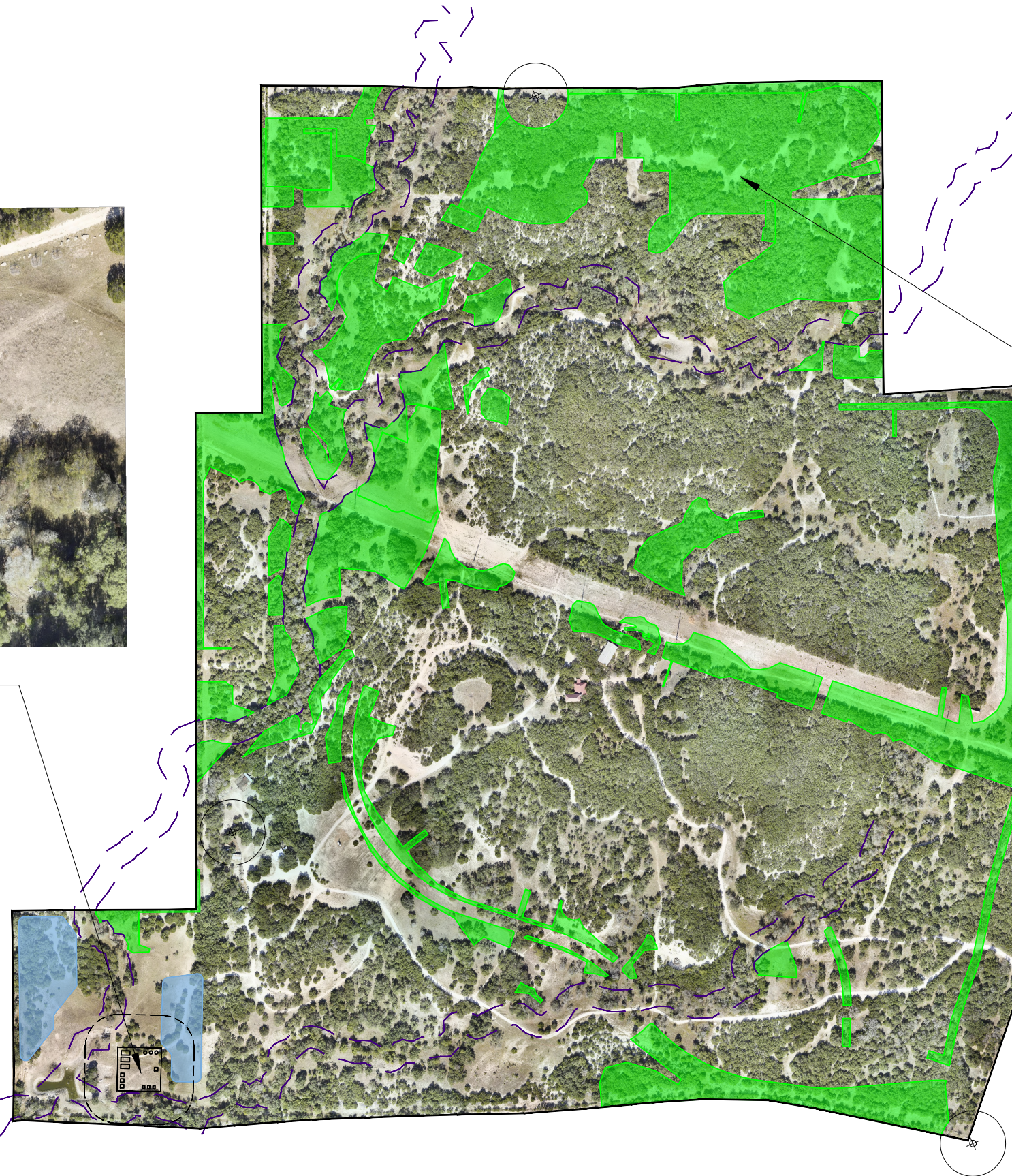




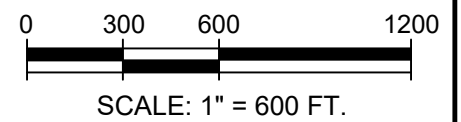
# Cypress Valley Ranch WWTF - Aerial Photo



WWTF BOUNDARY



DISPOSAL AREAS







January 2025

Texas Commission on Environmental Quality  
12100 Park 35 Circle  
Austin, TX 78753

**Subject: Request for Variance on Setback Requirement from Water Bodies**

Hello,

I am writing to formally request a variance to the setback requirement for the TLAP Application for Cypress Valley Ranch WWTF. The current regulation stipulates a 100-foot setback from waters of the state. We are requesting approval for a 50-foot setback instead of the required 100 feet.

We recognize the importance of protecting water bodies and maintaining water quality. We plan to integrate environmental safeguards into the disposal area design to minimize potential impacts on water bodies. These measures include the construction of berms and the installation of erosion control structures to mitigate any runoff into the water bodies. With these measures in place, we believe that a 50-foot setback will provide adequate protection while allowing us to proceed with the project in an efficient manner.

We are committed to ensuring that all aspects of the project adhere to regulatory requirements and best practices for environmental protection. We are happy to provide any additional information or documentation needed to support this request.

Thank you for your time and consideration. We look forward to your favorable response.

Sincerely,

A handwritten signature in black ink that reads 'Jamie L. Miller'.

Jamie Miller, PE  
President  
JA Wastewater, LLC  
Firm Number F-23372



January 2025

Texas Commission on Environmental Quality  
12100 Park 35 Circle  
Austin, TX 78753

Subject: Liner Certification for Cypress Valley Ranch WWTF

To Whom it May Concern,

The proposed liner for the storage pond for the Cypress Valley Ranch WWTF will be required to be designed to meet the liner requirements of 30 TAC Chapters 309 and 217. The liner system will consist of either a synthetic membrane, or a clay liner.

Sincerely,

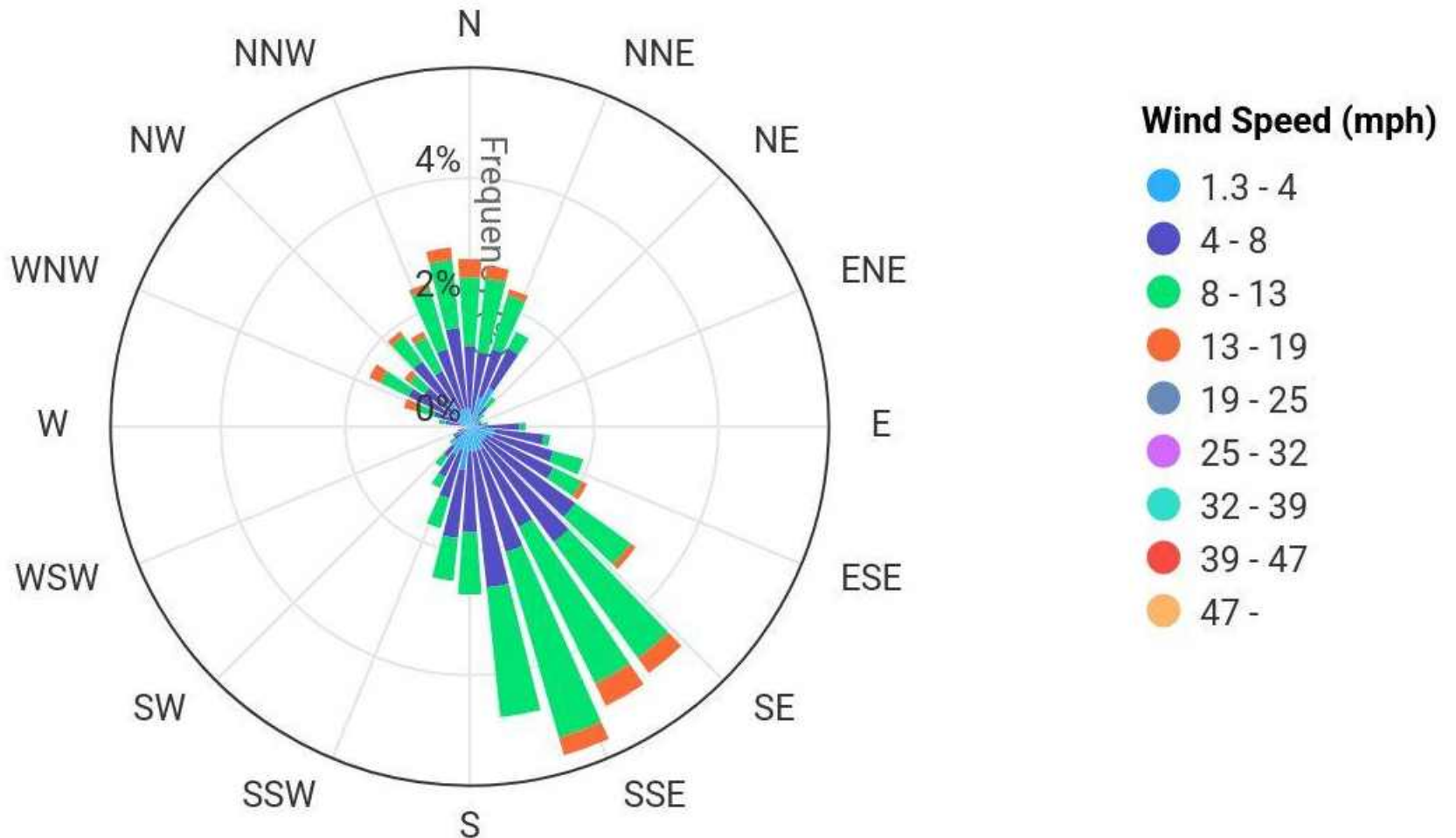
A handwritten signature in blue ink that reads 'Jamie L. Miller'.

Jamie L. Miller, P.E.  
President  
Firm Number F-23372



# AUSTIN-CAMP MABRY (TX) Wind Rose

December 01, 2023 - December 01, 2024  
Sub-Interval: January 1 - December 31, 0 - 24



# Cypress Valley Ranch WWTF – Annual Cropping Plan

**a. Soils map depicting the location of the crops proposed or currently being grown. These locations should be identified by field and crop on the soils map.**

A USDA Soils Map has been provided with the permit application.

**b. All types of crops and acreage irrigated for each crop, including warm and cool season crops.**

The 81-acre area will be seeded with Bermuda and winter rye grasses.

**c. Crop yield goals or estimates.**

Yield estimate: Bermuda grass will produce about 1 ton per acre with no applied fertilizer. Winter Rye produces 2 to 3 tons per acres.

**d. Growing seasons for each crop including months the field is left fallow (no crops).**

Growing season for Bermuda grass is from April through October. The growing season for winter rye is November through March, the fields are never left fallow.

**e. Nutrient requirements for each crop, including additional fertilizer requirements for each crop, proposed additional fertilizer applications for each crop, and methods of fertilizer application for each crop, based on annual soil sampling and analysis.**

The proposed design total nitrogen loading rate is 0.86 lb/acre/day or 315 lb/acre/year. Bermuda grass can utilize large amounts of nitrogen, with excellent yield response at 400 lbs/ acre/ year. (See Nutrient Demand High in Bermudagrass by Darst, et al. 1996). To most effectively use nitrogen, other nutrients are required such as phosphorus and potassium. These nutrient levels will be monitored through annual soil analysis and supplemented if required. Additional fertilizer is not anticipated but a manual spreader would be used if needed.

**f. Provide the minimum and maximum harvest height for the crop (e.g. mowing height of grasses).**

Minimum mowing height will be such that the grass is not scorched, approximately 3". The maximum growing height will be determined by the operator, 18" is anticipated maximum height prior to mowing.

**g. Supplemental watering requirements for each crop.**

No supplemental watering is anticipated.

**h. Salt tolerances of each crop.**

Bermuda grass is highly salt tolerant, winter rye is considered to be intermediate in salt tolerance.

**i. Describe the harvesting method and the proposed number of harvests for each crop.**

The irrigation fields will be regularly mowed with clippings hauled off.

**j. If the proposed crop is existing native vegetation that will not be harvested, include a justification that the non-removal of crops will not lead to a buildup in nutrients. If the proposed system is drip irrigation with a proposal to use the existing forested vegetation as a crop, then provide a vegetation survey by a certified arborist describing at a minimum: (1) the number of mature ashe juniper (*Juniperus ashei*) and oaks (*Quercus virginiana*) trees per acre, (2) the**



## Cypress Valley Ranch WWTF – Annual Cropping Plan

**number of other trees per acre, (3) percent of overstory canopy cover, (4) the extent of open spaces, and (5) areas with forbs and grasses expressed as percent of the land of each application site. A mature tree is one with a minimum height of 14 feet.**

Varies

# Cypress Valley Ranch WWTF – Groundwater Quality Report

## Background

The Cypress Valley Ranch WWTF will serve a new development that generates 280,000 gpd at full buildout. The treated effluent will be disposed of via spray irrigation of 81 acres at full buildout.

## Aquifer

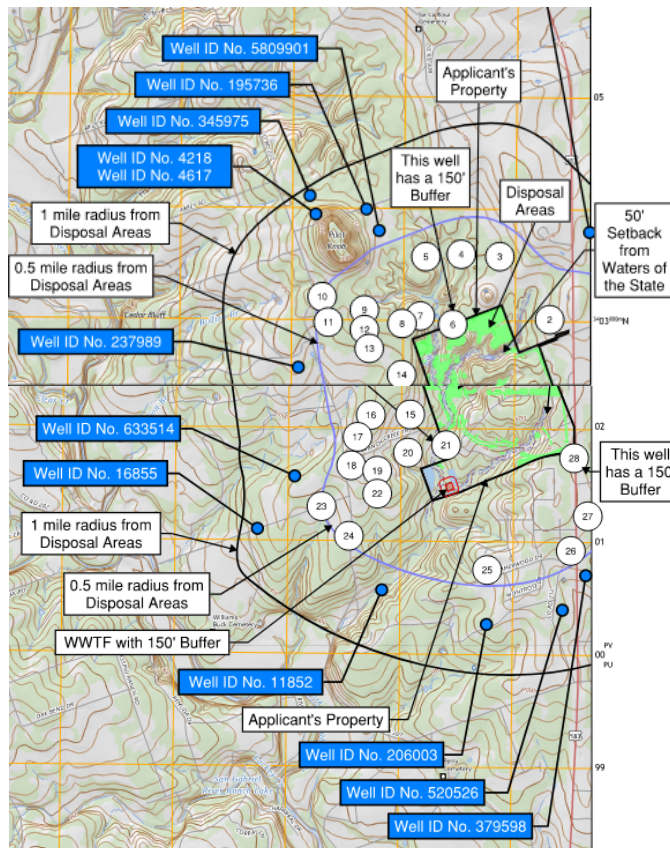
The nearby aquifer code is 218TRNT - Trinity Group.

## Nearby Well Information

A USGS map showing all wells within 1 mile of the property boundaries has been included with the application. A well reference list with well attributes such as the well ID number, well depth, well status, and proposed management practice is provided with this application. There are no wells located within 500' of the disposal areas. The well logs for the wells on the reference list are included with this application. There are no monitoring wells available, and therefore no groundwater quality baseline data has been established. Below is a portion of the USGS map depicting the WWTF site, effluent disposal areas, 0.5 mi and 1-mile radius from the property boundaries, and well locations.

## Impact on Local Groundwater Resources

The wastewater effluent is used to irrigate publicly accessible fields. The effluent applied to the land has a maximum application rate of 0.1 gal/sqft/day to ensure the effluent is taken up by the crop root systems and that potential contaminants do not migrate below the root zone. The treated effluent will be stored in a pond with a liner certified by a Texas Professional Engineer prior to being conveyed to the disposal areas.



Cypress Valley Ranch WWTF - Water Balance  
Phase 1 (90,000 GPD)

1	2	3	4	5	6	7	8		9	10	11
	Avg Rain	Avg Runoff	Avg Infiltrated Rainfall	Evapo transpiration	Required Leaching	Total Water Needs	Effluent Req'd in Root Zone	Avg Evaporation	Evap from Reservoir	Effluent Applied to Land	Consumption from Reservoir
JAN	2.46	0.86	1.60	1.30	0.00	1.30	0.00	2.20	0.25	0.00	0.25
FEB	1.95	0.53	1.42	2.30	0.35	2.65	1.23	2.31	0.27	1.45	1.72
MAR	2.88	1.16	1.72	5.70	1.59	7.29	5.57	3.38	0.39	6.56	6.95
APR	2.63	0.98	1.65	3.42	0.71	4.13	2.48	4.19	0.48	2.92	3.40
MAY	4.31	2.30	2.01	6.12	1.64	7.76	5.75	4.62	0.53	6.77	7.30
JUN	2.96	1.22	1.74	6.48	1.90	8.38	6.64	6.11	0.71	7.81	8.51
JUL	2.21	0.69	1.51	6.66	2.06	8.72	7.20	6.94	0.80	8.48	9.28
AUG	2.36	0.79	1.57	4.59	1.21	5.80	4.23	7.02	0.81	4.98	5.79
SEP	3.13	1.35	1.78	5.13	1.34	6.47	4.69	5.31	0.61	5.51	6.13
OCT	4.20	2.21	1.99	4.05	0.82	4.87	2.88	4.03	0.46	3.39	3.85
NOV	2.81	1.11	1.70	1.60	0.00	1.60	0.00	2.84	0.33	0.00	0.33
DEC	2.25	0.72	1.53	1.30	0.00	1.30	0.00	2.11	0.24	0.00	0.24
TOTAL	34.15	13.93	20.22	48.65	11.62	60.27	40.68	51.07	5.89	47.86	53.75

12	13	14a	14b	15	16	17	18a		18b	19	20
	Effluent Applied to Land (in)	Mean Rainfall Distribution (%)	Rainfall (Max) (in)	Runoff (Max) (in)	Infiltrated Rainfall (in)	Total Avail H2O (in)	% Distribution of Mean	Evap Proportionally Distributed (in)	Net Evaporation (min) (in)	Storage (in-ac/ac)	Accumulated Storage (in-ac/ac)
JAN	3.878	7.2	3.74	1.83	1.91	5.79	4.32	1.76	0.20	3.67	10.97
FEB	3.878	5.7	2.97	1.23	1.74	5.62	4.52	1.84	0.21	2.59	13.57
MAR	3.878	8.4	4.38	2.36	2.02	5.90	6.62	2.70	0.31	-2.64	10.93
APR	3.878	7.7	3.99	2.03	1.96	5.83	8.20	3.34	0.39	0.94	11.87
MAY	3.878	12.6	6.55	4.28	2.27	6.15	9.05	3.68	0.43	-3.01	8.86
JUN	3.878	8.7	4.49	2.45	2.04	5.91	11.96	4.87	0.56	-4.14	4.72
JUL	3.878	6.5	3.35	1.52	1.83	5.71	13.59	5.53	0.64	-4.86	-0.15
AUG	3.878	6.9	3.59	1.71	1.88	5.76	13.74	5.59	0.65	-1.38	-1.52
SEP	3.878	9.2	4.76	2.68	2.08	5.95	10.40	4.24	0.49	-1.78	-3.30
OCT	3.878	12.3	6.39	4.13	2.25	6.13	7.89	3.21	0.37	0.43	-2.88
NOV	3.878	8.2	4.26	2.26	2.00	5.88	5.57	2.27	0.26	3.62	3.62
DEC	3.878	6.6	3.42	1.57	1.85	5.72	4.14	1.68	0.19	3.68	7.30
TOTAL	46.53	100.00	51.88	28.05	23.83	70.36	100.00	40.71	4.70		

Hydro Group: D  
Curve Number (N): 80  
S = 1000/N - 10: 2.500  
C<sub>E</sub>: 2  
C<sub>1</sub>: 7  
irrigation efficiency: 0.85  
  
Required Capacity: 29.40 acre-ft  
9.58 MG  
9579205 gal  
app rate: 0.079 gal/sqft/day  
3.877421087 ac-ft/ac/yr

Effluent Quantity: 90,000 gpd  
Pond Size: 3 acres  
Disposal area: 26 acres  
Ratio: 0.1154  
  
Max Year Annual Rainfall: 51.88 in  
Min Year Annual Evaporation: 40.71 in



Cypress Valley Ranch WWTF - Water Balance  
Phase 2 (180,000 GPD)

1	2	3	4	5	6	7	8		9	10	11
	Avg Rain	Avg Runoff	Avg Infiltrated Rainfall	Evapo transpiration	Required Leaching	Total Water Needs	Effluent Req'd in Root Zone	Avg Evaporation	Evap from Reservoir	Effluent Applied to Land	Consumption from Reservoir
JAN	2.46	0.86	1.60	1.30	0.00	1.30	0.00	2.20	0.13	0.00	0.13
FEB	1.95	0.53	1.42	2.30	0.35	2.65	1.23	2.31	0.13	1.45	1.58
MAR	2.88	1.16	1.72	5.70	1.59	7.29	5.57	3.38	0.20	6.56	6.75
APR	2.63	0.98	1.65	3.42	0.71	4.13	2.48	4.19	0.24	2.92	3.16
MAY	4.31	2.30	2.01	6.12	1.64	7.76	5.75	4.62	0.27	6.77	7.04
JUN	2.96	1.22	1.74	6.48	1.90	8.38	6.64	6.11	0.35	7.81	8.16
JUL	2.21	0.69	1.51	6.66	2.06	8.72	7.20	6.94	0.40	8.48	8.88
AUG	2.36	0.79	1.57	4.59	1.21	5.80	4.23	7.02	0.40	4.98	5.38
SEP	3.13	1.35	1.78	5.13	1.34	6.47	4.69	5.31	0.31	5.51	5.82
OCT	4.20	2.21	1.99	4.05	0.82	4.87	2.88	4.03	0.23	3.39	3.62
NOV	2.81	1.11	1.70	1.60	0.00	1.60	0.00	2.84	0.16	0.00	0.16
DEC	2.25	0.72	1.53	1.30	0.00	1.30	0.00	2.11	0.12	0.00	0.12
TOTAL	34.15	13.93	20.22	48.65	11.62	60.27	40.68	51.07	2.95	47.86	50.81

12	13	14a	14b	15	16	17	18a		18b	19	20
	Effluent Applied to Land (in)	Mean Rainfall Distribution (%)	Rainfall (Max) (in)	Runoff (Max) (in)	Infiltrated Rainfall (in)	Total Avail H2O (in)	% Distribution of Mean	Evap Proportionally Distributed (in)	Net Evaporation (min) (in)	Storage (in-ac/ac)	Accumulated Storage (in-ac/ac)
JAN	3.878	7.2	3.74	1.83	1.91	5.79	4.32	1.76	0.10	3.78	11.30
FEB	3.878	5.7	2.97	1.23	1.74	5.62	4.52	1.84	0.11	2.70	14.00
MAR	3.878	8.4	4.38	2.36	2.02	5.90	6.62	2.70	0.16	-2.48	11.52
APR	3.878	7.7	3.99	2.03	1.96	5.83	8.20	3.34	0.19	1.13	12.65
MAY	3.878	12.6	6.55	4.28	2.27	6.15	9.05	3.68	0.21	-2.80	9.85
JUN	3.878	8.7	4.49	2.45	2.04	5.91	11.96	4.87	0.28	-3.86	5.99
JUL	3.878	6.5	3.35	1.52	1.83	5.71	13.59	5.53	0.32	-4.54	1.45
AUG	3.878	6.9	3.59	1.71	1.88	5.76	13.74	5.59	0.32	-1.05	0.40
SEP	3.878	9.2	4.76	2.68	2.08	5.95	10.40	4.24	0.24	-1.54	-1.14
OCT	3.878	12.3	6.39	4.13	2.25	6.13	7.89	3.21	0.19	0.61	-0.53
NOV	3.878	8.2	4.26	2.26	2.00	5.88	5.57	2.27	0.13	3.75	3.75
DEC	3.878	6.6	3.42	1.57	1.85	5.72	4.14	1.68	0.10	3.78	7.53
TOTAL	46.53	100.00	51.88	28.05	23.83	70.36	100.00	40.71	2.35		

Hydro Group: D  
Curve Number (N): 80  
S = 1000/N - 10: 2.500  
C<sub>E</sub>: 2  
C<sub>I</sub>: 7  
irrigation efficiency: 0.85  
  
Required Capacity: 60.69 acre-ft  
19.77 MG  
19773250 gal  
app rate: 0.079 gal/sqft/day  
3.877421087 ac-ft/ac/yr

Effluent Quantity: 180,000 gpd  
Pond Size: 3 acres  
Disposal area: 52 acres  
Ratio: 0.0577  
  
Max Year Annual Rainfall: 51.88 in  
Min Year Annual Evaporation: 40.71 in



Cypress Valley Ranch WWTF - Water Balance  
Final Phase (280,000 GPD)

1	2	3	4	5	6	7	8		9	10	11
	Avg Rain	Avg Runoff	Avg Infiltrated Rainfall	Evapo transpiration	Required Leaching	Total Water Needs	Effluent Req'd in Root Zone	Avg Evaporation	Evap from Reservoir	Effluent Applied to Land	Consumption from Reservoir
JAN	2.46	0.86	1.60	1.30	0.00	1.30	0.00	2.20	0.13	0.00	0.13
FEB	1.95	0.53	1.42	2.30	0.35	2.65	1.23	2.31	0.14	1.45	1.59
MAR	2.88	1.16	1.72	5.70	1.59	7.29	5.57	3.38	0.20	6.56	6.76
APR	2.63	0.98	1.65	3.42	0.71	4.13	2.48	4.19	0.25	2.92	3.17
MAY	4.31	2.30	2.01	6.12	1.64	7.76	5.75	4.62	0.28	6.77	7.05
JUN	2.96	1.22	1.74	6.48	1.90	8.38	6.64	6.11	0.37	7.81	8.18
JUL	2.21	0.69	1.51	6.66	2.06	8.72	7.20	6.94	0.42	8.48	8.90
AUG	2.36	0.79	1.57	4.59	1.21	5.80	4.23	7.02	0.42	4.98	5.40
SEP	3.13	1.35	1.78	5.13	1.34	6.47	4.69	5.31	0.32	5.51	5.84
OCT	4.20	2.21	1.99	4.05	0.82	4.87	2.88	4.03	0.24	3.39	3.63
NOV	2.81	1.11	1.70	1.60	0.00	1.60	0.00	2.84	0.17	0.00	0.17
DEC	2.25	0.72	1.53	1.30	0.00	1.30	0.00	2.11	0.13	0.00	0.13
TOTAL	34.15	13.93	20.22	48.65	11.62	60.27	40.68	51.07	3.09	47.86	50.95

12	13	14a	14b	15	16	17	18a		18b	19	20
	Effluent Applied to Land (in)	Mean Rainfall Distribution (%)	Rainfall (Max) (in)	Runoff (Max) (in)	Infiltrated Rainfall (in)	Total Avail H2O (in)	% Distribution of Mean	Evap Proportionally Distributed (in)	Net Evaporation (min) (in)	Storage (in-ac/ac)	Accumulated Storage (in-ac/ac)
JAN	3.872	7.2	3.74	1.83	1.91	5.78	4.32	1.76	0.11	3.77	11.27
FEB	3.872	5.7	2.97	1.23	1.74	5.61	4.52	1.84	0.11	2.69	13.96
MAR	3.872	8.4	4.38	2.36	2.02	5.89	6.62	2.70	0.16	-2.49	11.47
APR	3.872	7.7	3.99	2.03	1.96	5.83	8.20	3.34	0.20	1.12	12.58
MAY	3.872	12.6	6.55	4.28	2.27	6.14	9.05	3.68	0.22	-2.82	9.77
JUN	3.872	8.7	4.49	2.45	2.04	5.91	11.96	4.87	0.29	-3.88	5.89
JUL	3.872	6.5	3.35	1.52	1.83	5.70	13.59	5.53	0.33	-4.56	1.32
AUG	3.872	6.9	3.59	1.71	1.88	5.75	13.74	5.59	0.34	-1.07	0.25
SEP	3.872	9.2	4.76	2.68	2.08	5.95	10.40	4.24	0.26	-1.55	-1.30
OCT	3.872	12.3	6.39	4.13	2.25	6.13	7.89	3.21	0.19	0.60	-0.71
NOV	3.872	8.2	4.26	2.26	2.00	5.87	5.57	2.27	0.14	3.74	3.74
DEC	3.872	6.6	3.42	1.57	1.85	5.72	4.14	1.68	0.10	3.77	7.51
TOTAL	46.47	100.00	51.88	28.05	23.83	70.30	100.00	40.71	2.46		

Hydro Group: D  
Curve Number (N): 80  
S = 1000/N - 10: 2.500  
C<sub>E</sub>: 2  
C<sub>I</sub>: 7  
irrigation efficiency: 0.85  
  
Required Capacity: 94.24 acre-ft  
30.71 MG  
30707337 gal  
app rate: 0.079 gal/sqft/day  
3.872102265 ac-ft/ac/yr

Effluent Quantity: 280,000 gpd  
Pond Size: 4.9 acres  
Disposal area: 81 acres  
Ratio: 0.0605  
  
Max Year Annual Rainfall: 51.88 in  
Min Year Annual Evaporation: 40.71 in



## Cypress Valley Ranch WWTF – Domestic Worksheet 3.1 Surface Land Disposal of Effluent Engineering Report

Water balance and storage volume calculations have been completed for final phase. The effluent storage pond required for full buildout is 4.9 acres. At full buildout of 280,000GPD, 81 acres area disposal is required. The following is a summary providing references/sources for the data used to develop the tables. Also enclosed are the irrigation efficiency assumptions, summary of the application rates per month per acre, nitrogen loading, and water balance. The clarifications are below, water balance with storage volume calculations is presented separately as their own attachments titled “Water Balance”.

<b>Water Balance Table Column</b>	<b>Assumptions and References/Sources</b>
Column 2: Average Rainfall	Data obtained from Texas Water Development Board Quadrangle 710; <a href="https://waterdatafortexas.org/lake-evaporation-rainfall">https://waterdatafortexas.org/lake-evaporation-rainfall</a> ; years 1998 – 2023.
Column 3: Average Runoff	Curve number (CN) was obtained from SCS Technical Release No. 55. A curve number of 80 was used, considering lawns and parks in fair condition (grass cover between 50% to 75%) in soils that fall into hydro groups D.
Column 4: Average Infiltrated Rainfall	Obtained by subtracting average runoff from average rainfall.
Column 5: Evapotranspiration	Data obtained from Mean Crop Consumptive Use and Free-Water Evaporation for Texas by Borelli et. al – Table 5 – Grass Reference Crop Evapotranspiration (ET <sub>o</sub> ). Used a K <sub>c</sub> value of 1.0 for cool season rye grass, and 0.85 for warm season Bermuda grass. Cold season is Jan-Mar, Nov-Dec; warm season is Apr-Oct.
Column 6: Required Leaching	Ce (electrical conductivity) was based on a close by groundwater well, a value of 2 mmhos/cm was used. Cl (allowable conductivity of soil) = 7 based on 30 TAC 309.20, Table 3, Winter Rye and Bermuda grass.
Column 7: Total Water Needs	Obtained by adding evapotranspiration and required leaching.
Column 8: Effluent Needed in Root Zone	Obtained by subtracting average infiltrated rainfall from total water needs (assume zero if value is less than zero).
Column 9: Net Evaporation from Reservoir Surface	Data obtained from Texas Water Development Board Quadrangle 710; <a href="https://waterdatafortexas.org/lake-evaporation-rainfall">https://waterdatafortexas.org/lake-evaporation-rainfall</a> ; years 1998 – 2023.
Column 10: Effluent Applied to Land	Obtained by dividing the effluent needed in root zone by the irrigation efficiency, K, assumed to be 0.85 or 85%
Column 11: Consumption from Reservoir	Obtained by adding net evaporation and effluent applied to land.
Column 13: Effluent Received for Application or Storage	Based on full buildout flows of 280,000 gpd and 81 acres of TLAP disposal area.
Column 14: Rainfall (Maximum)	Data on maximum rainfall year in the past 25 years was obtained from Texas Water Development Board Quadrangle 710 Precipitation (inches) from 1998 to 2023, 51.88 inches in 2004. The total was distributed proportionally to monthly average rainfall.



## Cypress Valley Ranch WWTF – Domestic Worksheet 3.1 Surface Land Disposal of Effluent Engineering Report

Column 15: Runoff (Maximum)	Calculated as shown above for Column 3 using maximum rainfall numbers from Column 14.
Column 16: Infiltrated Rainfall	Obtained by subtracting maximum runoff (Column 15) from maximum rainfall (Column 14).
Column 17: Available Water	Obtained by adding effluent received (Column 13) and infiltrated rainfall (Column 16).
Column 18b: Lowest Annual Net Evaporation	Data on minimum net evaporation year in the past 25 years was obtained from Texas Water Development Board Quadrangle 710, Monthly Evaporation (inches) from 1998 to 2023: 40.71 inches in 2021. The total was distributed proportionally to monthly average evaporation.
Column 19: Storage	Obtained by subtracting lowest annual net evaporation (Column 18b) from effluent received (Column 13), then subtracting total water needs (Column 7) – infiltrated rainfall (Column 16) divided by k (irrigation efficiency of 0.85).  If total water needs (Column 7) – infiltrated rainfall (Column 16) divided by k (irrigation efficiency of 0.85) is < 0, then storage = Column 13 – Column 18b).
Column 20: Accumulated Storage	Summation beginning with the first consecutive month of possible values from Column 19.

### Irrigation Efficiency

Based on Howell 2003, average irrigation efficiency for spray irrigation in a field environment ranges from 85 to 90 percent. Therefore, an efficiency of 85 percent was assumed for water balance and storage calculations.

### Nitrogen Balance

It is anticipated that total nitrogen in the effluent will be ≤30 mg/L. Loading will be as follows:

$$30 \text{ mg/L} \times 280,000 \text{ g/day} \times 3.78 \text{ L/g} / 453,592 \text{ lbs/mg} \times 365 \text{ day/year} =$$

$$25,550 \text{ lbs/year spread across 81 acres} = 315 \text{ lbs/acre/year}$$

Bermuda grass is able to utilize large amounts of nitrogen, with excellent yield response at around 400 pounds per acre per year. (See: Nutrient Demand High In Bermudagrass by Darst, et al. 1996).





MAHOMET QUADRANGLE  
TEXAS  
7.5-MINUTE TOPO

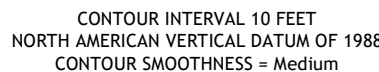
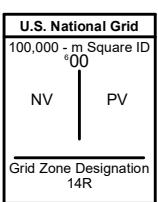


North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84). Projection and  
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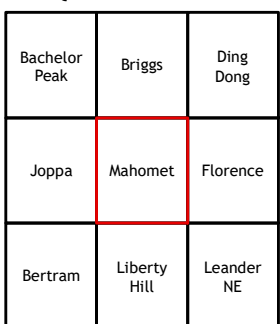
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USER DEFINED CONTENT



Expressway  Local Connector   
 Secondary Hwy  Local Road   
 Ramp  4WD   
 Interstate Route  US Route  State Route

Applicant's Property

This well has a 150'

1 mile radius from Disposal Areas

0.5 mile radius from  
Disposal Areas

Well ID No. 237989

Well ID No. 5809901

Well ID No. 195736

Well ID No. 345975

Well ID No. 4218  
Well ID No. 4617

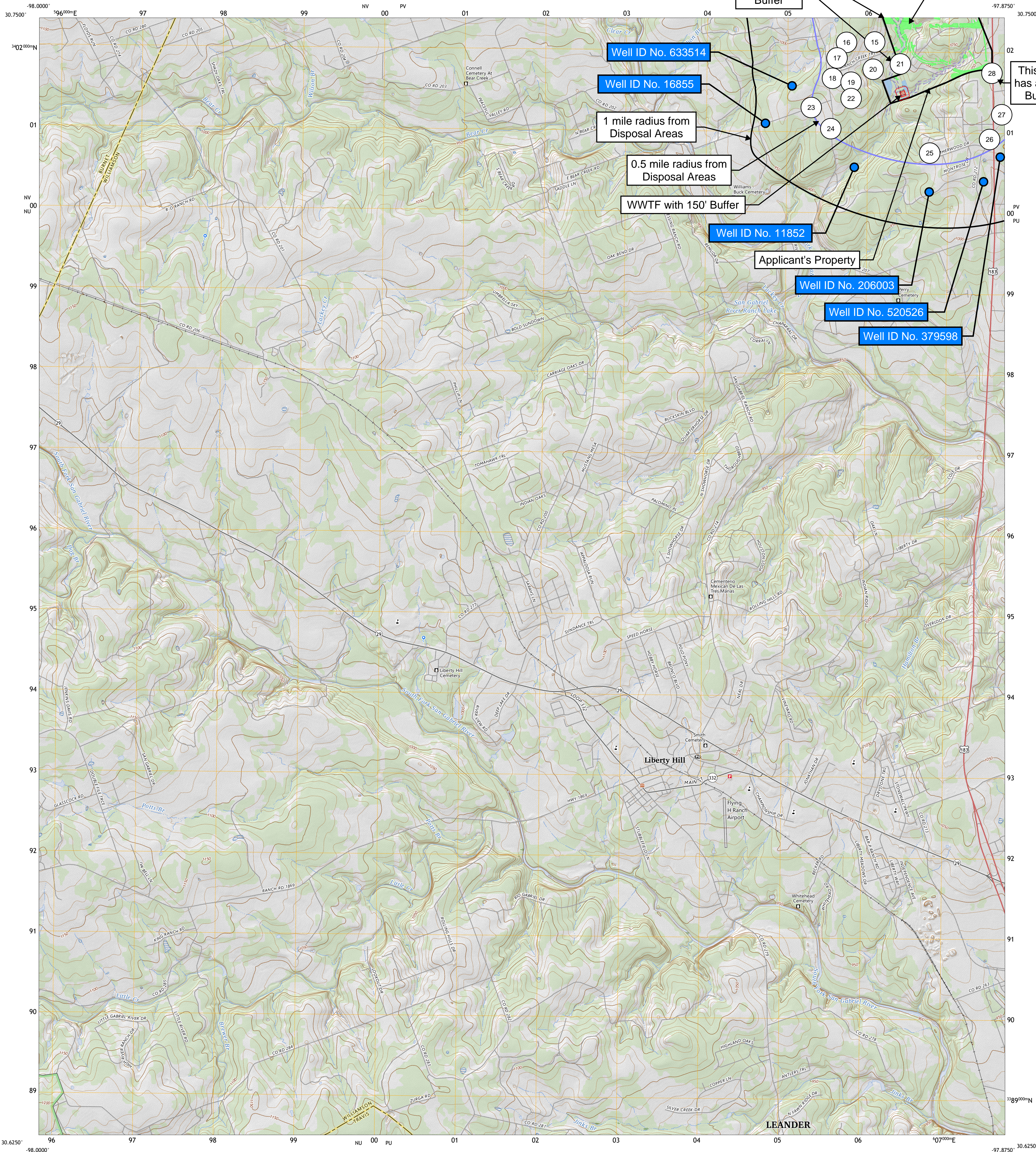
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# Cypress Valley Ranch WWTF USGS TLAP Map

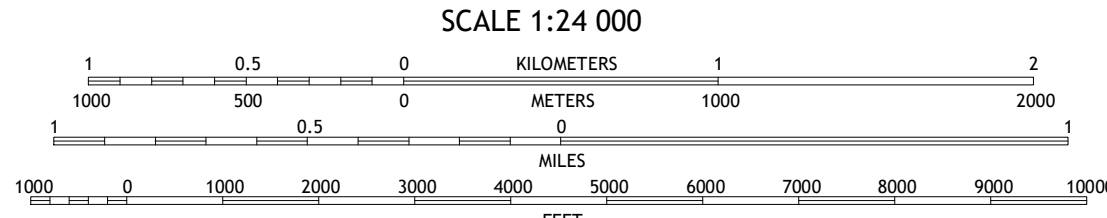
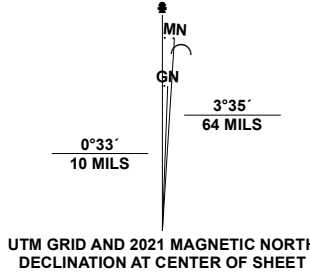


Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84). Projection and  
1 000-meter grid/Universal Transverse Mercator, Zone 14R.  
Data is provided by The National Map (TNM), is the best available at the time of map  
generation, and includes data content from supporting themes of Elevation,  
Hydrography, Geographic Names, Boundaries, Transportation, Structures, Land Cover,  
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were collected and some data may no longer represent actual surface conditions.

Learn About The National Map: <https://nationalmap.gov>

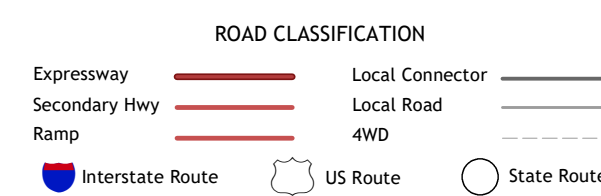


CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
CONTOUR SMOOTHNESS = Medium

USER DEFINED CONTENT



QUADRANGLE LOCATION		
Joppa	Mahomet	Florence
Bertram	Liberty Hill	Leander NE
Travis Peak	Nameless	Leander



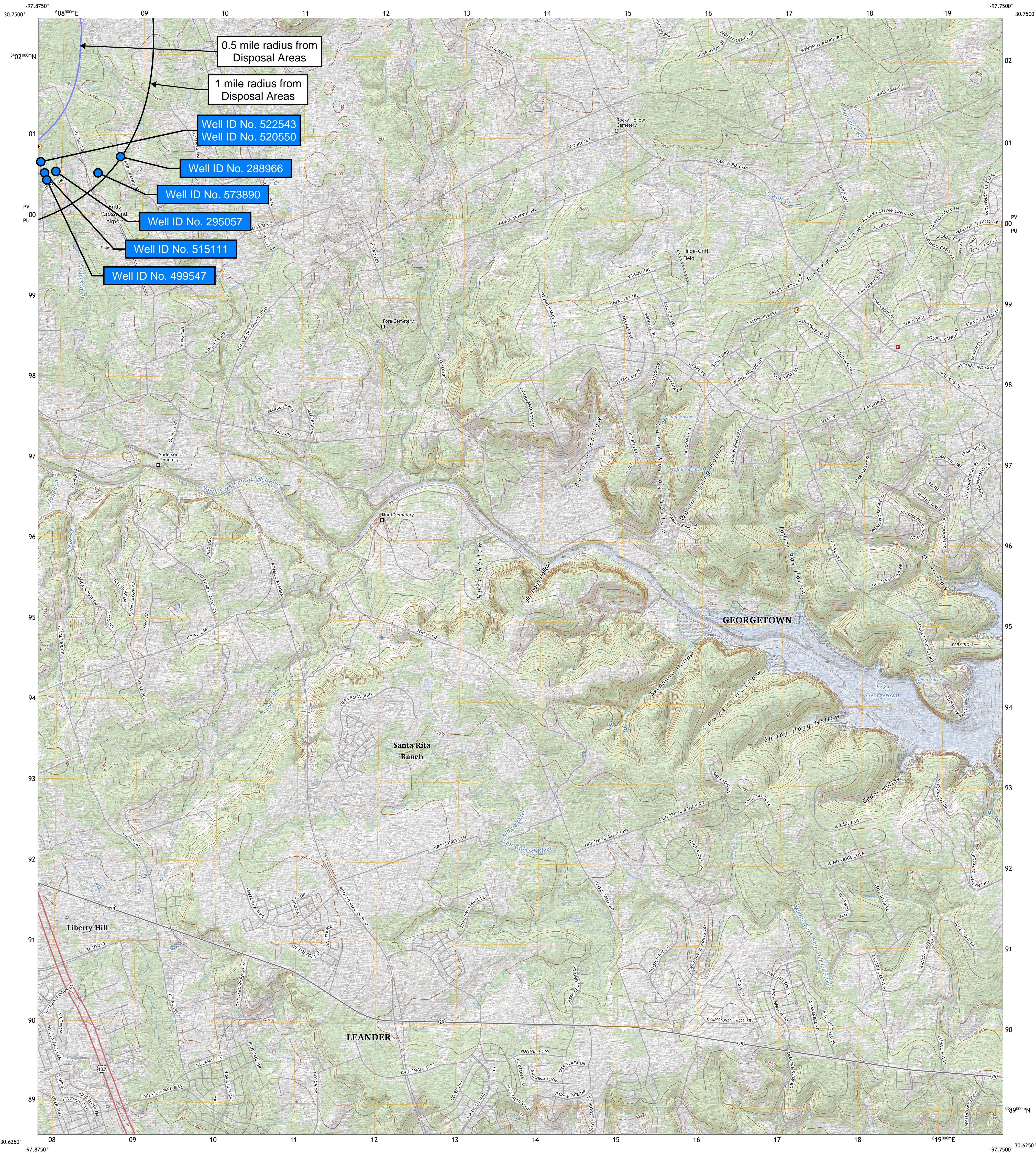




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U.S. GEOLOGICAL SURVEY

# Cypress Valley Ranch WWTF USGS TLAP Map

LEANDER NE QUADRANGLE  
TEXAS - WILLIAMSON COUNTY  
7.5-MINUTE TOPO

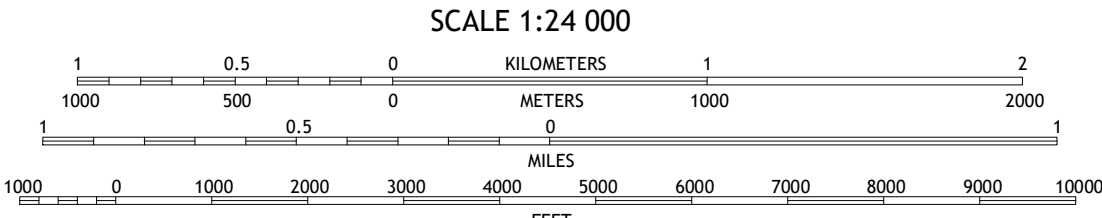
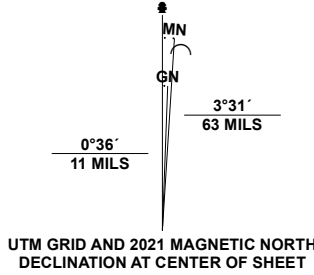


## Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84) Projection and  
1 000-meter grid/Universal Transverse Mercator, Zone 14R  
Data is provided by The National Map (TNM), is the best available at the time of map  
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before entering private lands. Temporal changes may have occurred since these data  
were collected and some data may no longer represent actual surface conditions.

Learn About The National Map: <https://nationalmap.gov>



CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
CONTOUR SMOOTHNESS = Medium

USER DEFINED CONTENT



QUADRANGLE LOCATION		
Mahomet	Florence	Gabbs Cavern
Liberty Hill	Leander NE	Georgetown
Nameless	Leander	Round Rock

ADJOINING QUADRANGLES

ROAD CLASSIFICATION	
Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route



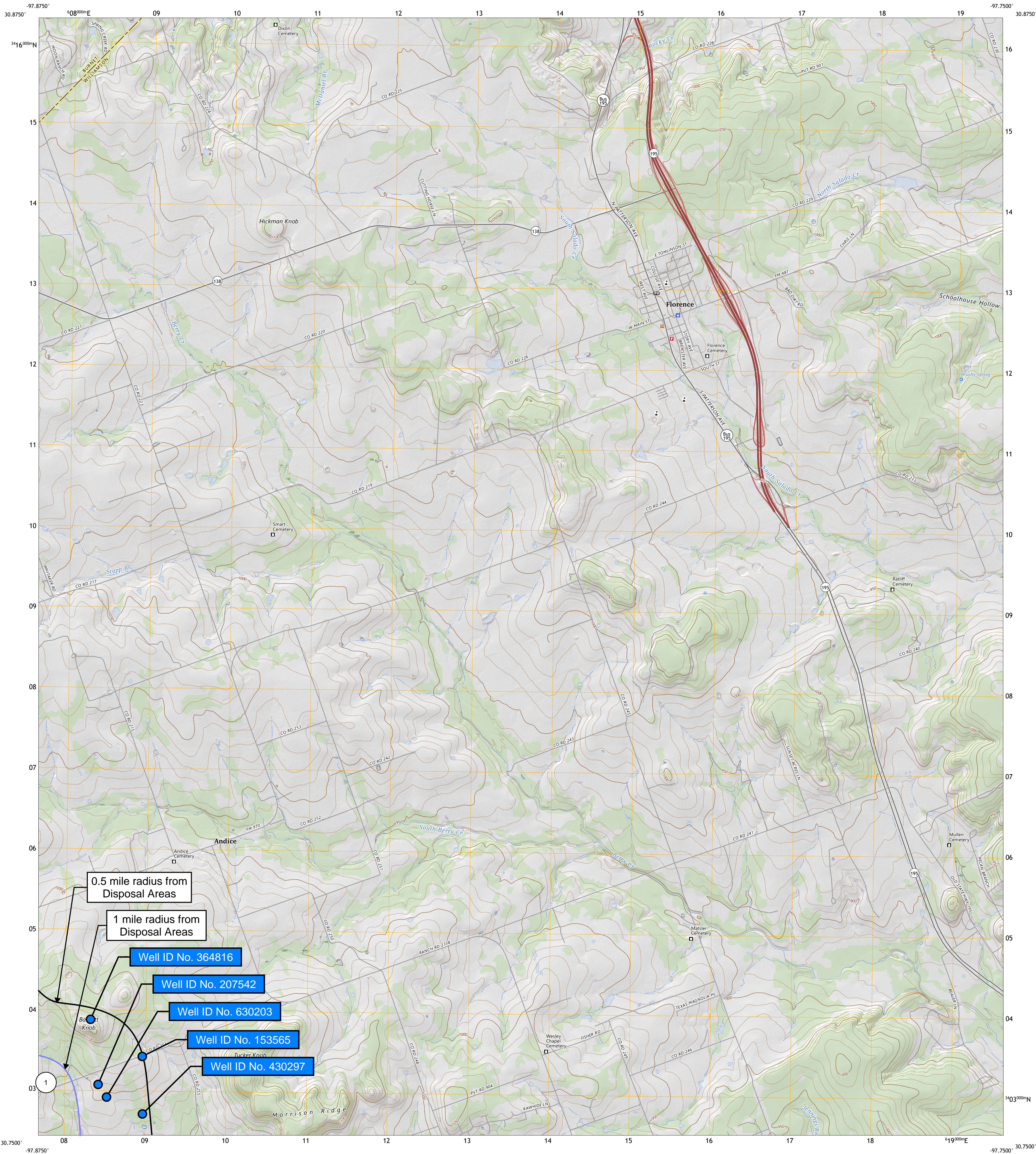




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

# Cypress Valley Ranch WWTF USGS TLAP Map

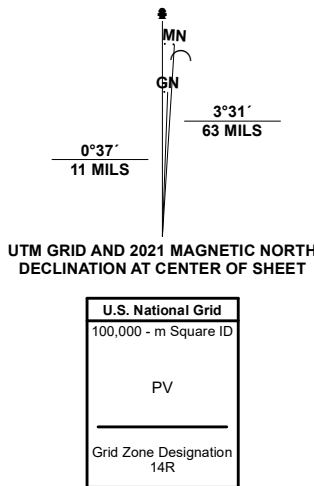
FLORENCE QUADRANGLE  
TEXAS  
7.5-MINUTE TOPO



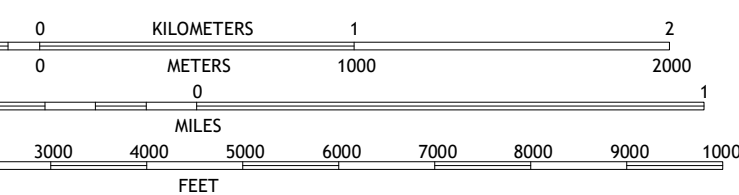
Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84) Projection and  
1 000-meter grid/Universal Transverse Mercator, Zone 14R  
Data is provided by The National Map (TNM), is the best available at the time of map  
generation, and includes data content from supporting themes of Elevation,  
Hydrography, Geographic Names, Boundaries, Transportation, Structures, Land Cover,  
and Orthoimagery. Refer to associated Federal Geographic Data Committee (FGDC)  
Metadata for additional source data information.

This map is not a legal document. Boundaries may be generalized for this map scale.  
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SCALE 1:24 000



CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
CONTOUR SMOOTHNESS = Medium

USER DEFINED CONTENT



Briggs	Ding Dong	Youngsfort
Mahomet	Florence	Cobbs Cavern
Liberty Hill	Leander NE	Georgetown

ROAD CLASSIFICATION  
Expressway  
Secondary Hwy  
Ramp  
Interstate Route  
Local Connector  
Local Road  
4WD  
US Route  
State Route





Cypress Valley Ranch WWTF - USGS Well ID Attachment						
Map Reference Number	Well ID #	Well Use	Producing Y/N	Open, cased, capped, or Plugged?	Proposed Best Management Practice	Well Log Included? Y/N
1	601282	Domestic	Y	Cased	Buffer requirement will be met	Y
2	685544	Domestic	Y	Cased	Buffer requirement will be met	Y
3	164739	Domestic	Y	Cased	Buffer requirement will be met	Y
4	33899	Domestic	Y	Cased	Buffer requirement will be met	Y
5	244547	Domestic	Y	Cased	Buffer requirement will be met	Y
6	154755	Domestic	Y	Cased	Buffer requirement will be met	Y
7	244545	Domestic	Y	Cased	Buffer requirement will be met	Y
8	400823	Domestic	Y	Cased	Buffer requirement will be met	Y
9	413537	Domestic	Y	Cased	Buffer requirement will be met	Y
10	293588	Domestic	Y	Cased	Buffer requirement will be met	Y
11	288970	Domestic	Y	Cased	Buffer requirement will be met	Y
12	411314	Domestic	Y	Cased	Buffer requirement will be met	Y
13	379581	Domestic	Y	Cased	Buffer requirement will be met	Y
14	499655	Domestic	Y	Cased	Buffer requirement will be met	Y
15	343342	Domestic	Y	Cased	Buffer requirement will be met	Y
16	624157	Domestic	Y	Cased	Buffer requirement will be met	Y
17	12407	Domestic	Y	Cased	Buffer requirement will be met	Y
	17415	Domestic	Y	Cased	Buffer requirement will be met	Y
18	168170	Domestic	Y	Cased	Buffer requirement will be met	Y
19	605364	Domestic	Y	Cased	Buffer requirement will be met	Y
20	191567	Domestic	Y	Cased	Buffer requirement will be met	Y
21	93030	Domestic	Y	Cased	Buffer requirement will be met	Y
22	13221	Domestic	Y	Cased	Buffer requirement will be met	Y
23	17418	Domestic	Y	Cased	Buffer requirement will be met	Y
24	574707	Domestic	Y	Cased	Buffer requirement will be met	Y
25	489415	Domestic	Y	Cased	Buffer requirement will be met	Y
26	66803	Domestic	N	Plugged	Buffer requirement will be met	Y
27	190589	Domestic	Y	Cased	Buffer requirement will be met	Y
28	626329	Domestic	Y	Cased	Buffer requirement will be met	Y





## STATE OF TEXAS PLUGGING REPORT for Tracking #66803

Owner: **Audrey Delisle**

Owner Well #: **No Data**

Address: **5731 Hwy 183 N  
Liberty Hill, TX 78642**

Grid #: **58-17-3**

Well Location: **5731 Hwy 183 N  
Liberty hill, TX 78642**

Latitude: **30° 44' 10" N**

Longitude: **097° 52' 36" W**

Well County: **Williamson**

Elevation: **No Data**

Well Type: **Withdrawal of Water**

### Drilling Information

Company: **No Data**

Date Drilled: **No Data**

Driller: **N/A**

License Number: **No Data**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>4</b>		<b>285</b>

### Plugging Information

Date Plugged: **10/15/2010**

Plugging: **Clifford Bohannon**

Plug Method: **Tremmie pipe cement from bottom to top**

Casing Left in Well:

Plug(s) Placed in Well:

<i>Dia (in.)</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>4</b>		

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
<b>0</b>	<b>285</b>	<b>32 Cement</b>

Certification Data: The driller certified that the driller plugged this well (or the well was plugged 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 reports(s) being returned for completion and resubmittal.

Company Information: **Highland Drilling Inc**  
**4145 Hwy 29 E**  
**Burnet, TX 78611**

Driller Name: **Clifford Bohannon**

License Number: **4386**

Comments: **No Data**

## STATE OF TEXAS PLUGGING REPORT for Tracking #206003

Owner:	Klugman Co.	Owner Well #:	1
Address:	CR 212 Liberty Hill, TX 78642	Grid #:	58-17-3
Well Location:	CR 212 Liberty Hill, TX 78642	Latitude:	30° 43' 49.95" N
Well County:	Williamson	Longitude:	097° 53' 04.89" W
		Elevation:	No Data
Well Type:	Withdrawal of Water		

### Drilling Information

Company:	No Data	Date Drilled:	No Data
Driller:	No Data	License Number:	No Data
Borehole:	No Data		

### Plugging Information

Date Plugged: 12/22/2020      Plugger: Brice Bormann/ Jacob Buxton

Plug Method: Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet

#### Casing Left in Well:

Dia (in.)	Top (ft.)	Bottom (ft.)
5	0	500

#### Plug(s) Placed in Well:

Top (ft.)	Bottom (ft.)	Description (number of sacks & material)
0	20	Cement 8 Bags/Sacks
20	500	Bentonite 19 Bags/Sacks

Certification Data: The driller certified that the driller plugged this well (or the well was plugged 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 reports(s) being returned for completion and resubmittal.

Company Information: **Texan Water**  
**161 Industrial Loop**  
**Fredericksburg, TX 78624**

Driller Name: **Brice Bormann**      License Number: **54855**

Comments: **No Data**

[GWDB Reports and Downloads](#)
[Well Basic Details](#)
[Scanned Documents](#)

State Well Number	5809901
County	Williamson
River Basin	Brazos
Groundwater Management Area	8
Regional Water Planning Area	G - Brazos G
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	30.762223
Latitude (degrees minutes seconds)	30° 45' 44" N
Longitude (decimal degrees)	-97.894722
Longitude (degrees minutes seconds)	097° 53' 41" W
Coordinate Source	+/- 1 Minute
Aquifer Code	NOT-APPL - Aquifer Code Is Not Applicable to this Well
Aquifer	Unassigned
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1080
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	9104
Well Depth Source	Another Government Agency
Drilling Start Date	
Drilling End Date	0/0/1952
Drilling Method	
Borehole Completion	

Well Type	Oil or Gas
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	J.W. Pearson No.1
Driller	Hewit and Dougherty
Other Data Available	
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	J.W. Pearson 1
Other Well Number	
Previous State Well Number	
Reporting Agency	
Created Date	
Last Update Date	3/4/2020

Remarks Oil test. Geophysical log Q-16.

**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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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).

## STATE OF TEXAS WELL REPORT for Tracking #4218

Owner: **Bill Rockmore**  
Address: **Bear Creek  
Liberty Hill, TX 78642**  
Well Location: **Bear Creek  
Liberty Hill, TX 78642**  
Well County: **Williamson**

Owner Well #: **No Data**  
Grid #: **58-09-9**  
Latitude: **30° 45' 49" N**  
Longitude: **097° 54' 02" W**  
Elevation: **No Data**

**\*\*This well has been plugged\*\***

**Plugging Report Tracking #101877**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/9/2000**

Drilling End Date: **11/10/2000**

Borehole:

<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
<b>10.75</b>	<b>0</b>	<b>20</b>
<b>6.5</b>	<b>20</b>	<b>460</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>5</b>

Seal Method: **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**

Water Level: **280 ft. below land surface on 2000-11-10** Measurement Method: **Unknown**

Packers: **Rubber 40ft  
Rubber 300ft**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 40 GPM**



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: **Hill Country Water Well**

**P.O. Box 220  
Briggs, TX 78608**

Driller Name: **Joe E McDearmon**

License Number: **2334**

Comments: **Verbal Warning issued late filing 8/13/09**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	3	Top Soil
3	18	Cal
18	55	Gray Lime
55	57	Gray Shale
57	150	Gray Lime
150	175	Brown Lime
175	220	White Lime
220	280	Brown Lime
280	310	Sand Stone
310	315	Sand
315	355	Sand Stone
355	360	Sand Water
360	375	Sand Stone
375	380	Sand Water
380	415	Sand Stone
415	420	Gray Shale
420	460	Sand Stone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic Perf	0-460 sch40

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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 #4617

Owner:	<b>Tod Tatra</b>	Owner Well #:	<b>No Data</b>
Address:	<b>CO RD 210 Liberty Hill, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>CO RD 210 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 45' 49" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 54' 02" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/15/2001**      Drilling End Date: **5/17/2001**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10.75</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>580</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</b>

Seal Method: **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**

Water Level: **380 ft. below land surface on 2001-05-17**      Measurement Method: **Unknown**

Packers: **Rubber 40ft  
Rubber 520ft**

Type of Pump: **Submersible**

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: **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: **Hill Country Water Well**

**P.O. Box 220  
Briggs, TX 78608**

Driller Name: **Joe E McDearmon**

License Number: **2334**

Comments: **Verbal Warning issued late filing 8/13/09**

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>17</b>	<b>Cal</b>
<b>17</b>	<b>90</b>	<b>Gray Lime</b>
<b>90</b>	<b>120</b>	<b>Brown Lime</b>
<b>120</b>	<b>125</b>	<b>Gray Shale</b>
<b>125</b>	<b>195</b>	<b>Brown Lime</b>
<b>195</b>	<b>310</b>	<b>Sand Stone</b>
<b>310</b>	<b>315</b>	<b>Sand</b>
<b>315</b>	<b>410</b>	<b>Sand Stone</b>
<b>410</b>	<b>415</b>	<b>Gray SHale</b>
<b>415</b>	<b>520</b>	<b>Sand Stone</b>
<b>520</b>	<b>530</b>	<b>Sand Trinity</b>
<b>530</b>	<b>545</b>	<b>Sand Stone</b>
<b>545</b>	<b>560</b>	<b>Brokwn Sand Trinity</b>
<b>560</b>	<b>580</b>	<b>Sand</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>0-580 SCH40</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 #11852

Owner: **David Vasquez**

Owner Well #: **No Data**

Address: **17101 Lenz Drive  
Round Rock, TX 78681**

Grid #: **58-17-3**

Well Location: **451 Branch Creek Trail  
Liberty Hill, TX 78642**

Latitude: **30° 44' 00" N**

Longitude: **097° 53' 39" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/9/2002**

Drilling End Date: **8/9/2002**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6</b>	<b>10</b>	<b>525</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>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 395',390',20'**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 50 GPM**



Water Quality:

Strata Depth (ft.)	Water Type
435-524	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	11	Caliche
11	60	Blue LS
60	160	LT Gry LS
160	230	Gry LS
230	395	Gry-Tan LS
395	435	Tan-Sand LS
435	465	Gry-Grn-Sand (H20)
465	485	Tan LS
485	524	Gry-Grn-Sand (H20)
524	525	Tan LS

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	New	PVC +2 to 400 Sch40	
5	New	PVC 400-525 SDR17	

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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 #12407

Owner:	Leo Jraeue	Owner Well #:	No Data
Address:	CR 207 Liberty Hill, TX 78642	Grid #:	58-17-3
Well Location:	CR 207 Liberty Hill, TX 78642	Latitude:	30° 44' 43" N
Well County:	Williamson	Longitude:	097° 53' 48" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **8/6/2002**

Drilling End Date: **8/7/2002**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	10	0	22
	6	22	540

Drilling Method: **Air Rotary; Jetted**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	0	20	6

Seal Method: **Mixed**

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: **380 ft. below land surface on 2002-08-07** Measurement Method: **Unknown**

Packers: **Rubber 40**  
**220**  
**420**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 50 GPM**



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: **Hill Country Water Well**

**PO Box 220  
Briggs, TX 78608**

Driller Name: **Joe E McDearmon**

License Number: **2334**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	18	Cal
18	55	Gr Lime
55	85	Brn Lime
85	150	Gr Lime
150	180	Brn Lime
180	185	Gr Shale
185	280	Gr Lime
280	440	Sandstone
440	445	Sand Trinity
445	470	Sandstone
470	475	SandTrinity
475	490	Sandstone
490	495	Trinity Sand
495	515	Sandstone
515	520	Trinity Sand
520	540	Sandstone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0-540 Sch40

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P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #13221

Owner: **David Vasquez**

Owner Well #: **No Data**

Address: **6405 Melrose Trail  
Austin, TX 78727**

Grid #: **58-17-3**

Well Location: **220 Branch Creek Trail  
Liberty Hill, TX 78642**

Latitude: **30° 44' 28" N**

Longitude: **097° 53' 41" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/9/2002**

Drilling End Date: **8/9/2002**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>10</b>
	<b>6</b>	<b>10</b>	<b>525</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>70</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 430',420',20'**

Type of Pump: **No Data**

Well Tests: **Estimated**      **Yield: 50 GPM**



Water Quality:

Strata Depth (ft.)	Water Type
435-524	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	11	Caliche
11	60	Blue LS
60	160	LT Gry LS
160	230	Gry LS w/Clay
230	395	Gry Tan LS
395	435	Tan-Sandy LS
435	465	Gry Grn-Sand
465	485	Tan LS
485	524	Gry-Grn Sand
524	525	Tan LS

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	New	PVC +2 to 400 Sch40	
5	New	PVC 400-525 SDR17	

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## STATE OF TEXAS WELL REPORT for Tracking #16855

Owner:	<b>John Fernandez</b>	Owner Well #:	<b>No Data</b>
Address:	<b>307 Sioux Trail Leander, TX 78641</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>550 CR 202 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 18" N</b>
		Longitude:	<b>097° 54' 21" W</b>
Well County:	<b>Williamson</b>	Elevation:	<b>974 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/14/2002**      Drilling End Date: **8/15/2002**

Borehole:	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
	<b>8</b>	<b>0</b>	<b>360</b>
	<b>7.875</b>	<b>360</b>	<b>500</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>11</b>

Seal Method: **Gravity**

Sealed By: **ADC**

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: **Neoprene/burlap 30 & 360**

Type of Pump: **installed by other**

Well Tests: **Estimated      Yield: 25 GPM**



Water Quality:

Strata Depth (ft.)	Water Type
360-500	trinity

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: **Associated Drilling Company**

**P.O. Box 1060  
Manchaca, TX 78652**

Driller Name: **Byron Benoit**

License Number: **1955**

Apprentice Number: **1955**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-1		topsoil
1-18		caliche
18-120		gray lime
120-140		tan lime
140-360		broken
360-400		gray lime
400-440		broken tan sandstone with sand
440-500		

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	N	Plastic	-2 to 500 SDR 17
		perf.	from 360-500

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## STATE OF TEXAS WELL REPORT for Tracking #17415

Owner: **Joseph Taver**

Owner Well #: **No Data**

Address: **2920 Co. Rd. 207  
Liberty Hill, TX 78642**

Grid #: **58-17-3**

Well Location: **2920 Co. Rd. 207  
Liberty Hill, TX 78642**

Latitude: **30° 44' 44" N**

Longitude: **097° 53' 48" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/9/2002**

Drilling End Date: **8/10/2002**

	<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</b>	<b>20</b>	<b>540</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</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 Slab Installed**

Water Level: **380 ft. below land surface on 2002-08-10** Measurement Method: **Unknown**

Packers: **Rubber 40  
260  
400**

Type of Pump: **Submersible**

Well Tests: **Unknown** Yield: **50 GPM**



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: **Hill Country Water Well**

**PO Box 220  
Briggs, TX 78608**

Driller Name: **Joe E McDearmon**

License Number: **2334**

Comments: **Verbal Warning issued late filing 8/13/09**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	18	Cal
18	160	Gr. Lime
160	185	Brn. Lime
185	190	Gr. Shale
190	240	Brn. Lime
240	245	Gr. Shale
245	290	Brn. Lime
290	380	Sandstone
380	385	Gr. Shale
385	430	Sandstone
430	435	Trinity Sands
435	470	Sandstone
470	475	Sands
475	510	Sandstone
510	513	Sand
513	525	Sandstone
525	527	Sand
527	540	Sandstone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0-540 Sch 40

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## STATE OF TEXAS WELL REPORT for Tracking #17418

Owner: **Charemon Poff**

Owner Well #: **No Data**

Address: **150 CR 202  
Liberty Hill, TX 78642**

Grid #: **58-17-3**

Well Location: **150 CR 202  
Liberty Hill, TX 78642**

Latitude: **30° 44' 24" N**

Longitude: **097° 54' 00" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/7/2002**

Drilling End Date: **10/8/2002**

	<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</b>	<b>20</b>	<b>500</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</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 Slab Installed**

Water Level: **360 ft. below land surface on 2002-10-08** Measurement Method: **Unknown**

Packers: **Rubber 40  
260  
400**

Type of Pump: **Submersible**

Well Tests: **Jetted** Yield: **60 GPM**



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: **Hill Country Water Well**  
**PO Box 220**  
**Briggs, TX 78608**

Driller Name: **Joe E McDearmon**

License Number: **2334**

Comments: **Verbal Warning issued late filing 8/13/09**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-3		Top Soil
3-17		Cal
17-120		Gr. Lime
120-125		Gr. Shale
125-180		Gr. Lime
180- 240		Brn. Lime
240-310		Gr. Lime
310-340		Sandstone
340-345		Gr. Shale
345-420		Sandstone
420-425		Trinity Sands
425-460		Sandstone
460-465		Trinity Sands
465-470		Sandstone
470-475		Trinity Sands
475-500		Sandstone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0-500 Sch 40

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## STATE OF TEXAS WELL REPORT for Tracking #33899

Owner:	<b>BARRY RICHEY</b>	Owner Well #:	<b>No Data</b>
Address:	<b>908 PVT RD 905 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>908 PVT RD 905 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 45' 37" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 14" W</b>
		Elevation:	<b>1045 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **1/23/2004**      Drilling End Date: **1/23/2004**

	<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>525</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>425</b>	<b>525</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>410</b>	<b>425</b>	<b>2 HOME PLUG</b>

Seal Method: **SLURRIED & POURED**

Distance to Property Line (ft.): **No Data**

Sealed By: **GREG SVETLIK**

Distance to Septic Field or other  
concentrated contamination (ft.): **180**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **STEEL TAPE**

Surface Completion: **Surface Sleeve Installed**

Water Level:	<b>390 ft. below land surface on 2004-01-26</b>	Measurement Method:	<b>Unknown</b>
Packers:	<b>1 PLASTIC 10</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>500</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>50 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 ANGELFIRE DR.**  
**DRIPPING SPRINGS, TX 78620**

Driller Name: **JIM BLAIR**

License Number: **54416**

Apprentice Name: **GREG SVETLIK**

Apprentice Number: **WWDAPP00001**  
**734**

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>SHELF ROCK</b>
<b>14</b>	<b>80</b>	<b>GREY LIMESTONE</b>
<b>80</b>	<b>113</b>	<b>SANDY LIMESTONE</b>
<b>113</b>	<b>250</b>	<b>BLUE LIMESTONE</b>
<b>250</b>	<b>272</b>	<b>LT GREY LIMESTONE</b>
<b>272</b>	<b>328</b>	<b>BLUE LIMESTONE-GRAINY</b>
<b>328</b>	<b>393</b>	<b>LT GREY LIMESTONE</b>
<b>393</b>	<b>433</b>	<b>GREY LIMESTONE</b>
<b>433</b>	<b>460</b>	<b>LT GREY ROCK</b>
<b>460</b>	<b>464</b>	<b>GREY SHALE</b>
<b>464</b>	<b>469</b>	<b>BROWN ROCK</b>
<b>469</b>	<b>473</b>	<b>BLUE SHALE</b>
<b>473</b>	<b>478</b>	<b>SANDY SHALE</b>
<b>478</b>	<b>494</b>	<b>GREY LIMESTONE</b>
<b>494</b>	<b>502</b>	<b>GREY SAND W/B 2 GPM</b>
<b>502</b>	<b>518</b>	<b>GREY &amp; TAN 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 - 460</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN MFG</b>	<b>460 - 520 .10</b>
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>520 - 525</b>

518	525	GREY SAND W/B 50+ GPM
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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #93030

Owner: **CYPRESS VALLEY PRESERVE**

Owner Well #: **No Data**

Address: **P.O. BOX 162525  
AUSTIN, TX 78716**

Grid #: **58-17-3**

Well Location: **HWY 183  
LIBERTY HILL, TX 78642**

Latitude: **30° 44' 41" N**

Longitude: **097° 53' 18" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/18/2006**

Drilling End Date: **8/19/2006**

	<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>510</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 CEMENT</b>

Seal Method: **GRAVITY FEED**

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: **VISUAL**

Surface Completion: **Surface Sleeve Installed**

Water Level: **335 ft. below land surface on 2006-08-19** Measurement Method: **Unknown**

Packers: **RUBBER 400'**

Type of Pump: **No Data**

Well Tests: **Estimated** Yield: **70 GPM**



Water Quality:

Strata Depth (ft.)	Water Type
422	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: **HARRISON WELL SERVICE, INC**  
**P.O. BOX 986**  
**LAMPASAS, TX 76550**

Driller Name: **JUAN MUNOZ** License Number: **54176**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	25	OVERBURDEN
25	404	GRAY SHALE
404	422	GRAY SANDSTONE
422	447	SAND (WATER)
447	459	SAND/LIMESTONE MIX
459	491	SAND (WATER)
491	510	LIMESTONE/SAND MIX

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6"	NEW	SCH 40 PVC	0-20
4 1/2"	NEW	SDR 17 PVC	0-508
		SLOTTED	438-508

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## STATE OF TEXAS WELL REPORT for Tracking #153565

Owner: **Fred Kaufman**

Owner Well #: **No Data**

Address: **1223 County Road 254  
Georgetown, TX 78628**

Grid #: **58-10-7**

Well Location: **1223 County Road 254  
Georgetown, TX 78628**

Latitude: **30° 45' 31" N**

Longitude: **097° 51' 41" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **Reconditioning**

Proposed Use: **Domestic**

Drilling Start Date: **8/24/2005**

Drilling End Date: **9/6/2005**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>35</b>
	<b>6</b>	<b>35</b>	<b>660</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>35</b>	<b>6 Cement</b>

Seal Method: **Gravity Feed**

Distance to Property Line (ft.): **50+**

Sealed By: **Unknown**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Visual**

Surface Completion: **Surface Sleeve Installed**

Water Level: **400 ft. below land surface on 2005-09-06** Measurement Method: **Unknown**

Packers: **Rubber 460'**

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>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: **Harrison & Sons Well Service, Inc.**

**P.O. Box 986  
Lampasas, TX 76550**

Driller Name: **Juan Munoz**

License Number: **54176**

Comments: **\$mew**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>From (ft)</i>	<i>To (ft)</i>	<i>Description</i>
<b>Existing Well</b>		

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>6 New SCH 40 PVC 0 35</b>			
<b>4 1/2 New SDR 17 PVC 5 560</b>			
<b>Perforated 480 560</b>			

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## STATE OF TEXAS WELL REPORT for Tracking #154755

Owner: **Todd Watson**

Owner Well #: **1**

Address: **2709 Candle Ridge Trail  
Georgetown, TX 78626**

Grid #: **58-09-9**

Well Location: **975 Private Road 905  
Liberty Hill, TX**

Latitude: **30° 45' 17" N**

Longitude: **097° 53' 16" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/28/2008**

Drilling End Date: **8/30/2008**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>7.5</b>	<b>0</b>	<b>100</b>
	<b>6.25</b>	<b>100</b>	<b>580</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>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: **No Data**

Surface Completion: **Alternative Procedure Used**

Water Level: **400 ft. below land surface on 2008-08-30** Measurement Method: **Unknown**

Packers: **RUBBER 40'  
RUBBER 500'**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 45 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	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: **HILL COUNTRY WATER WELL**  
**P.O.BOX 220**  
**BRIGGS, TX 78608**

Driller Name: **JOE E. MCDEARMON**

License Number: **2334**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	20	CAL
20	160	GR LIME
160	165	GR SHALE
165	220	GR LIME
220	320	BRN LIME
320	420	GR LIME
420	460	BRN LIME
460	510	SANDSTONE
510	515	SAND
515	525	SANDSTONE
525	530	TRINITY SAND
530	560	SANDSTONE
560	570	TRINITY SAND
570	580	SANDSTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0'/500' SDR17
4.5	NEW	PLASTIC	500'/570' .032

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## STATE OF TEXAS WELL REPORT for Tracking #164739

Owner: **Greg Wilkinson**  
Address: **717 Private Road 905  
Leander, TX 78641**  
Well Location: **717 Private Road 905  
Leander, TX 78641**  
Well County: **Williamson**

Owner Well #: **No Data**  
Grid #: **58-09-9**  
Latitude: **30° 45' 37" N**  
Longitude: **097° 53' 02" W**  
Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/4/2004**

Drilling End Date: **8/6/2004**

	<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>564</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 Cement</b>

Seal Method: **Hand Poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **170**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape Measure to  
proposed site**

Surface Completion: **Surface Sleeve Installed**

Water Level: **334 ft. below land surface on 2004-08-06** Measurement Method: **Unknown**

Packers: **Shale Trap 544  
Shale Trap 344  
Shale Trap 24**

Type of Pump: **Submersible** Pump Depth (ft.): **500**

Well Tests: **Estimated** 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: **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: **\$mew**

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>18</b>	<b>Yellow Limestone</b>
<b>18</b>	<b>94</b>	<b>Gray Limestone</b>
<b>94</b>	<b>108</b>	<b>Brown Limestone</b>
<b>108</b>	<b>211</b>	<b>Gray Limestone</b>
<b>211</b>	<b>223</b>	<b>Brown Limestone</b>
<b>223</b>	<b>299</b>	<b>Gray Limestone</b>
<b>299</b>	<b>310</b>	<b>Blue Limestone &amp; Shale</b>
<b>310</b>	<b>470</b>	<b>Gray Limestone</b>
<b>470</b>	<b>500</b>	<b>Gray Sandstone</b>
<b>500</b>	<b>544</b>	<b>Gray Sandstone &amp; Sand Strips</b>
<b>544</b>	<b>564</b>	<b>Gray &amp; White Sand</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 1/2</b>	<b>New</b>	<b>Plastic</b>	<b>0 - 564</b>
<b>Perf.</b>	<b>544</b>	<b>-</b>	<b>564</b>

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## STATE OF TEXAS WELL REPORT for Tracking #168170

Owner: **Tommy Roberts**

Owner Well #: **No Data**

Address: **1616 Brazil Drive  
Cedar Park, TX 78613**

Grid #: **58-17-3**

Well Location: **100 Branch Creek Trail  
Liberty Hill, TX 78641**

Latitude: **30° 44' 35" N**

Longitude: **097° 53' 49" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/5/2004**

Drilling End Date: **7/31/2004**

	<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>520</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 Cement</b>

Seal Method: **Hand Poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **115**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape from proposed  
site**

Surface Completion: **Surface Sleeve Installed**

Water Level: **370 ft. below land surface on 2004-08-01**

Measurement Method: **Unknown**

Packers: **Shale Catcher 480', 20'**

Type of Pump: **Submersible**

Pump Depth (ft.): **480**

Well Tests: **Estimated** **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: **Tom Arnold Drilling**  
**1147 CR 170**  
**Round Rock, TX 78664**

Driller Name: **Tommy D. Arnold** License Number: **2096**

Comments: **\$mew**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Top Soil
2	15	Yellow Limestone
15	41	Blue Limestone & Shale
41	58	Yellow Limestone
58	61	Blue Limestone & Shale
61	98	Gray Limestone
98	106	Blue Limestone
106	242	Gray Limestone
242	260	Brown Limestone
260	383	Gray Limestone
383	450	Gray Sandstone
450	480	Gray Sandstone & Sand Strips
480	500	Gray Sand & Sandstone Strips
500	520	Gray Limestone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6	New	Plastic	0 - 20
4 1/2	New	Plastic	0 - 520
Perf.			480 - 500

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## STATE OF TEXAS WELL REPORT for Tracking #190589

Owner:	<b>SCOTT VANCE</b>	Owner Well #:	<b>001</b>
Address:	<b>5760 N. HWY 183 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>5760 N. HWY 183 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 44' 21" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 30" W</b>
		Elevation:	<b>914 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **7/22/2009**      Drilling End Date: **7/22/2009**

	<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>630</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>6 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.): **300**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **STEEL TAPE**

Surface Completion: **Surface Sleeve Installed**

Water Level: **450 ft. below land surface on 2009-07-24**      Measurement Method: **Unknown**

Packers: **1 NEOPRENE 12  
1 NEOPRENE 490**

Type of Pump: **Submersible**      Pump Depth (ft.): **610**

Well Tests: **Jetted**      Yield: **30 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: **57534**Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	TOPSOIL
1	7	CALICHE
7	12	TAN ROCK
12	90	GRAY LIMESTONE
90	140	BLUE SHALE
140	470	GRAY ROCK AND BLUE SHALE
470	490	SANDSTONE
490	510	SAND W/B 30 GPM TDS 600
510	570	WHITE AND LIGHT GREEN ROCK
570	630	GRAY BROKEN ROCK

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0 510
4.5	NEW	SCREEN MFG.	510 570 .050
4.5	NEW	PLASTIC	570 630

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## STATE OF TEXAS WELL REPORT for Tracking #191567

Owner: **Nathan & Desirae Wilson**

Owner Well #: **1**

Address: **374 Branch Creek Trail  
Liberty Hill, TX 78642**

Grid #: **58-17-3**

Well Location: **374 Branch Creek Trail  
Liberty Hill, TX 78642**

Latitude: **30° 44' 39" N**

Longitude: **097° 53' 30" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/17/2009**

Drilling End Date: **8/18/2009**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8</b>	<b>0</b>	<b>50</b>
	<b>7</b>	<b>50</b>	<b>525</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>50</b>	<b>8</b>

Seal Method: **hand**

Distance to Property Line (ft.): **150+**

Sealed By: **ADC**

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: **385 ft. below land surface on 2009-08-27** Measurement Method: **Unknown**

Packers: **neophrene 50'  
neophrene 480'**

Type of Pump: **Submersible**

Pump Depth (ft.): **460**

Well Tests: **Estimated** Yield: **25 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
480'-525'	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: **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
0	1	topsoil
1	18	tan caliche
18	480	gray lime
480	525	broken sandstone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5"	New	Plastic	-2' to 525' sdr17
		slotted	480'-525'

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## STATE OF TEXAS WELL REPORT for Tracking #195736

Owner:	<b>Patrick Hill</b>	Owner Well #:	<b>No Data</b>
Address:	<b>901 CR 210 Liberty Hill, TX</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>901 CR 210 Liberty Hill, TX</b>	Latitude:	<b>30° 45' 50" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 45" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **3/30/2005**      Drilling End Date: **3/31/2005**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>12</b>	<b>0</b>	<b>18.6</b>
	<b>7.875</b>	<b>18.6</b>	<b>100</b>
	<b>6.75</b>	<b>100</b>	<b>550</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>8</b>	<b>3 cement</b>
	<b>8</b>	<b>100</b>	<b>3.5 benseal</b>

Seal Method: **Trimmie Pipe**

Distance to Property Line (ft.): **15**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **>100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **362 ft. below land surface on 2005-03-31**      Measurement Method: **Unknown**

Packers: **shale 500'  
cement 30'**

Type of Pump: **No Data**

Well Tests: **Jetted**      **Yield: 60 GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>510-550</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: **Tom Lovelace Water Well Serv.**

**4997 Elm Grove Road  
Belton, TX 76513**

Driller Name: **Jimmy Okun**

License Number: **55015**

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>15</b>	<b>Overburden</b>
<b>15</b>	<b>460</b>	<b>Gray Lime</b>
<b>460</b>	<b>480</b>	<b>Gray and Tan Lime</b>
<b>480</b>	<b>487</b>	<b>Gray Shale</b>
<b>487</b>	<b>503</b>	<b>Brown Lime</b>
<b>503</b>	<b>510</b>	<b>Sandy Shale and Tan Lime</b>
<b>510</b>	<b>520</b>	<b>Water Sand and Green Shale</b>
<b>520</b>	<b>545</b>	<b>Water Sand and Gravel</b>
<b>545</b>	<b>550</b>	<b>White Lime</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>Solid Plastic</b>	<b>+2 510</b>
<b>4.5</b>	<b>New</b>	<b>Plastic Mfg. Mill Scrn</b>	<b>510 550 032</b>

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## STATE OF TEXAS WELL REPORT for Tracking #207542

Owner: **Fred Kaufman**

Owner Well #: **No Data**

Address: **1223 CR 254  
Georgetown, TX 78633**

Grid #: **58-10-7**

Well Location: **1223 CR 254  
Georgetown, TX 78633**

Latitude: **30° 45' 20" N**

Longitude: **097° 52' 03" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/27/2008**

Drilling End Date: **5/28/2008**

	<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>628</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>7</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: **426 ft. below land surface on 2008-05-28** Measurement Method: **Unknown**

Packers: **Shale Trap 600', 585', 20'**

Type of Pump: **No Data**

Well Tests: **Estimated** Yield: **40 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 A. W. Grimes Blvd.**  
**Round Rock, TX 78664**

Driller Name: **Tommy Arnold**

License Number: **2096**

Comments: **\* No septic within given distance**  
**\$mew**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Loose Rock
2	21	Yellow Limestone
21	31	Tan Limestone
31	80	Gray Limestone
80	84	Blue Limestone & Shale
84	123	Gray Limestone
123	136	Brown Limestone
136	172	Gray Limestone
172	189	Brown Limestone
189	400	Gray Limestone
400	414	Brown Limestone
414	505	Gray Limestone
505	530	Gray Limestone
530	538	Gray Sand
538	567	Gray Sandstone
567	600	Gray Sandstone & Sand Strips
600	628	Gray Sand & Sandstone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4 1/2	New	Plastic	0 - 628
		Perf.	600 - 628



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## STATE OF TEXAS WELL REPORT for Tracking #237989

Owner: **Larry Burkett**

Owner Well #: **1**

Address: **3703 CR 207  
Liberty Hill, TX 78642**

Grid #: **58-09-9**

Well Location: **3703 CR 207  
Liberty Hill, TX 78642**

Latitude: **30° 45' 05" N**

Longitude: **097° 54' 07" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **1/30/2008**

Drilling End Date: **2/4/2008**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>12</b>	<b>0</b>	<b>27</b>
	<b>6.75</b>	<b>27</b>	<b>440</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>3.5 cement</b>
	<b>5</b>	<b>40</b>	<b>4.5 benseal</b>

Seal Method: **Gravity Feed**

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: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **282 ft. below land surface on 2008-02-02** Measurement Method: **Unknown**

Packers: **Shale 340'  
Cement 40'**

Type of Pump: **Submersible** Pump Depth (ft.): **400**

Well Tests: **Estimated** Yield: **53 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>340 - 420</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: **Tom Lovelace Water Well Service**

**4997 Elm Grove Rd  
Belton, TX 76513**

Driller Name: **Jimmy Okun**

License Number: **55015**

Comments: **\$mew**

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>Overburden</b>
<b>15</b>	<b>27</b>	<b>Sand &amp; Gravel</b>
<b>27</b>	<b>330</b>	<b>Gray Lime &amp; Shale</b>
<b>330</b>	<b>333</b>	<b>Tan &amp; Gray Lime</b>
<b>333</b>	<b>400</b>	<b>Water Sand Gravel</b>
<b>400</b>	<b>405</b>	<b>Sand Stone Green Shale</b>
<b>405</b>	<b>428</b>	<b>Water Sand Gravel</b>
<b>428</b>	<b>435</b>	<b>White Lime</b>
<b>435</b>	<b>440</b>	<b>Gray Shale</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>Plastic Solid</b>	<b>+2 - 340</b>
<b>4 1/2</b>	<b>New</b>	<b>Plastic Mill Screen</b>	<b>340 - 380 .032</b>
<b>4 1/2</b>	<b>New</b>	<b>Plastic Solid</b>	<b>380 - 400</b>
<b>4 1/2</b>	<b>New</b>	<b>Plastic Mill Screen</b>	<b>400 - 420 .032</b>
<b>4 1/2</b>	<b>New</b>	<b>Plastic Solid</b>	<b>420 - 440</b>

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## STATE OF TEXAS WELL REPORT for Tracking #244545

Owner: **Steve Lange**

Owner Well #: **No Data**

Address: **1291 PR 905  
Liberty Hill, TX 78642**

Grid #: **58-09-9**

Well Location: **1291 PR 905  
Liberty Hill, TX 78642**

Latitude: **30° 45' 18" N**

Longitude: **097° 53' 29" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/7/2006**

Drilling End Date: **6/9/2006**

	<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>585</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>10</b>	<b>7</b>

Seal Method: **Hand Poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **271**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape Measure**

Surface Completion: **Surface Sleeve Installed**

Water Level: **394 ft. below land surface on 2006-06-08** Measurement Method: **Unknown**

Packers: **Shale Trap 25',525',545'**

Type of Pump: **Submersible**

Pump Depth (ft.): **500**

Well Tests: **Estimated** 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: **Tom Arnold Drilling**  
**1147 CR 170**  
**Round Rock, TX 78664**

Driller Name: **Tommy D. Arnold** License Number: **2096**

Comments: **\$dfs**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Top Soil
1	12	Yellow Limestone
12	88	Gray Limestone
88	111	Brown Limestone
111	154	Gray Limestone and Shale
154	278	Gray Limestone
278	310	Brown Limestone
310	438	Gray Limestone
438	448	Brown Limestone
448	455	Blue Limestone and Shale
455	470	Gray Sandstone
470	490	Brown Sandstone
490	501	Blue Limestone
501	503	Gray Sandstone
503	522	Gray and White Sand
522	530	Gray Sandstone
530	540	Gray Sand
540	550	Brown and White Limestone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	New	Plastic	0 585
		Perforated	525 565

550	565	Gray and White Sand
565	585	Gray Sandstone

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## STATE OF TEXAS WELL REPORT for Tracking #244547

Owner: **Floyd McDonald**

Owner Well #: **No Data**

Address: **991 PR 905  
Leander, TX 78641**

Grid #: **58-09-9**

Well Location: **991 PR 905  
Liberty Hill, TX 78641**

Latitude: **30° 45' 36" N**

Longitude: **097° 53' 26" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **6/6/2006**

Drilling End Date: **6/8/2006**

	<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>545</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>8</b>

Seal Method: **Hand Poured**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **171**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Tape Measure**

Surface Completion: **Surface Sleeve Installed**

Water Level: **413 ft. below land surface on 2006-06-08** Measurement Method: **Unknown**

Packers: **Shale Trap 20',504'**

Type of Pump: **Submersible**

Pump Depth (ft.): **500**

Well Tests: **Estimated** 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: **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: **\$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>Loose Rock and Top Soil</b>
<b>1</b>	<b>16</b>	<b>Yellow Limestone</b>
<b>16</b>	<b>78</b>	<b>Gray Limestone</b>
<b>78</b>	<b>122</b>	<b>Brown Limestone</b>
<b>122</b>	<b>138</b>	<b>Blue Limestone</b>
<b>138</b>	<b>263</b>	<b>Gray Limestone</b>
<b>263</b>	<b>271</b>	<b>Brown Limestone</b>
<b>271</b>	<b>461</b>	<b>Gray Limestone</b>
<b>461</b>	<b>480</b>	<b>Gray Sandstone</b>
<b>480</b>	<b>498</b>	<b>Gray and White Sand</b>
<b>498</b>	<b>504</b>	<b>Gray Sandstone</b>
<b>504</b>	<b>522</b>	<b>Gray and White Sand</b>
<b>522</b>	<b>535</b>	<b>White Limestone</b>
<b>535</b>	<b>540</b>	<b>Brown Sandstone</b>
<b>540</b>	<b>543</b>	<b>Gray Sand and Sandstone</b>
<b>543</b>	<b>545</b>	<b>Gray 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>0 543</b>
		<b>Perforated</b>	<b>504 525</b>

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## STATE OF TEXAS WELL REPORT for Tracking #288966

Owner:	<b>Alvie Weed</b>	Owner Well #:	<b>1</b>
Address:	<b>555 Farris Ranch Road Georgetown, TX 78633</b>	Grid #:	<b>58-18-1</b>
Well Location:	<b>555 Farris Ranch Road Georgetown, TX 78633</b>	Latitude:	<b>30° 44' 04" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 51' 52" W</b>
		Elevation:	<b>990 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/14/2012**      Drilling End Date: **4/16/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>560</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>6</b>

Seal Method: **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 Sleeve Installed**

Water Level: **389 ft. below land surface on 2012-04-16**      Measurement Method: **Unknown**

Packers: **RUBBER 40'**  
**RUBBER 500'**

Type of Pump: **Submersible**      Pump Depth (ft.): **500**

Well Tests: **Jetted**      **Yield: 40 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: **HILL COUNTRY WATER WELL**  
**POBOX 220**  
**BRIGGS, TX 78608**

Driller Name: **JOE MCDEARMON**

License Number: **2334**

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	80	GRAY LIME
80	160	BROWN LIME
160	165	GRAY SHALE
165	240	BROWN LIME
240	380	GRAY LIME
380	385	GRAY SHALE
385	420	GRAY LIME
420	515	SANDSTONE
515	520	TRINITY SAND
520	535	SANDSTONE
535	540	TRINITY SAND
540	550	SANDSTONE
550	560	TRINITY SAND

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0-560 SDR17
4.5	NEW	SCREEN	540/560 .032

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## STATE OF TEXAS WELL REPORT for Tracking #288970

Owner:	<b>MARTIN BRAY</b>	Owner Well #:	<b>1</b>
Address:	<b>3720 CR 207 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>3720 CR 207 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 45' 18" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 58" W</b>
		Elevation:	<b>1077 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/11/2012**      Drilling End Date: **4/13/2012**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>580</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</b>

Seal Method: **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 Sleeve Installed**

Water Level: **402 ft. below land surface on 2012-04-13**      Measurement Method: **Unknown**

Packers: **RUBBER 40'  
RUBBER 400'  
RUBBER 480'**

Type of Pump: **Submersible**      Pump Depth (ft.): **500**

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**

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>18</b>	<b>CALICHE</b>
<b>18</b>	<b>30</b>	<b>WHITE LIME</b>
<b>30</b>	<b>80</b>	<b>GRAY LIME</b>
<b>80</b>	<b>82</b>	<b>GRAY SHALE</b>
<b>82</b>	<b>240</b>	<b>GRAY LIME</b>
<b>240</b>	<b>310</b>	<b>BROWN LIME</b>
<b>310</b>	<b>420</b>	<b>GRAY LIME</b>
<b>420</b>	<b>425</b>	<b>GRAY SHALE</b>
<b>425</b>	<b>480</b>	<b>SANDSTONE</b>
<b>480</b>	<b>510</b>	<b>SANDSTONE</b>
<b>510</b>	<b>515</b>	<b>TRINITY SAND</b>
<b>515</b>	<b>530</b>	<b>SANDSTONE</b>
<b>530</b>	<b>535</b>	<b>TRINITY SAND</b>
<b>535</b>	<b>565</b>	<b>SANDSTONE</b>
<b>565</b>	<b>570</b>	<b>TRINITY SAND</b>
<b>570</b>	<b>580</b>	<b>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>0/580 SDR17</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN</b>	<b>520 / 540 .032</b>

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Austin, TX 78711  
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## STATE OF TEXAS WELL REPORT for Tracking #293588

Owner:	DEAN PETERS	Owner Well #:	1
Address:	3740 CR 207 LIBERTY HILL, TX 78742	Grid #:	58-09-9
Well Location:	3740 CR 207 LIBERTY HILL, TX 78742	Latitude:	30° 45' 25" N
Well County:	Williamson	Longitude:	097° 54' 02" W
		Elevation:	1087 ft. above sea level
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 6/9/2012

Drilling End Date: 6/12/2012

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	9.75	0	20
	6.25	20	580

Drilling Method: Air Rotary

Borehole Completion: Straight Wall

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	0	20	5

Seal Method: MIXED

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: 405 ft. below land surface on 2012-06-12 Measurement Method: Unknown

Packers: RUBBER 40'  
RUBBER 400'  
RUBBER 500'

Type of Pump: Submersible Pump Depth (ft.): 500

Well Tests: Jetted Yield: 35 GPM

Water Quality:

Strata Depth (ft.)	Water Type
<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**

Apprentice Name: **COTY BLAIR**

Apprentice Number: **59037**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>18</b>	<b>CALICHE</b>
<b>18</b>	<b>30</b>	<b>WHITE LIME</b>
<b>30</b>	<b>80</b>	<b>GRAY LIME</b>
<b>80</b>	<b>82</b>	<b>GRAY SHALE</b>
<b>82</b>	<b>240</b>	<b>GRAY LIME</b>
<b>240</b>	<b>310</b>	<b>BROWN LIME</b>
<b>310</b>	<b>420</b>	<b>GRAY LIME</b>
<b>420</b>	<b>425</b>	<b>GRAY SHALE</b>
<b>425</b>	<b>480</b>	<b>SANDSTONE</b>
<b>480</b>	<b>510</b>	<b>SANDSTONE</b>
<b>510</b>	<b>515</b>	<b>TRINITY SAND</b>
<b>515</b>	<b>535</b>	<b>SANDSTONE</b>
<b>535</b>	<b>537</b>	<b>TRINITY SAND</b>
<b>537</b>	<b>565</b>	<b>SANDSTONE</b>
<b>565</b>	<b>570</b>	<b>TRINITY SAND</b>
<b>570</b>	<b>580</b>	<b>SANDSTONE</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>4.5</b>	<b>NEW</b>	<b>PLASTIC</b>	<b>0/580 SDR17</b>
<b>4.5</b>	<b>NEW</b>	<b>SCREEN</b>	<b>540/560 . 032</b>



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## STATE OF TEXAS WELL REPORT for Tracking #295057

Owner: **Estes Majors**

Owner Well #: **No Data**

Address: **5490 HWY 183 N.  
Liberty Hill, TX 78642**

Grid #: **58-18-1**

Well Location: **5490 HWY 183 N.  
Liberty Hill, TX 78642**

Latitude: **30° 43' 59" N**

Longitude: **097° 52' 22" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **Replacement**

Proposed Use: **Domestic**

Drilling Start Date: **5/31/2012**

Drilling End Date: **5/31/2012**

	<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>602</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>51</b>	<b>7cmt 5gel</b>

Seal Method: **gravity poured**

Distance to Property Line (ft.): **50+**

Sealed By: **ADC**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **tape**

Surface Completion: **Surface Sleeve Installed**

Water Level: **467 ft. below land surface on 2012-05-31** Measurement Method: **Unknown**

Packers: **neoprene rubber and burlap @ 482,462, and 51**

Type of Pump: **Submersible** Pump Depth (ft.): **540**

Well Tests: **Jetted** Yield: **40-50 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:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>490-585</b>	<b>glen rose</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: **pump set by others**  
**Bud Dobson**

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</b>
<b>10</b>	<b>410</b>	<b>gray lime</b>
<b>410</b>	<b>415</b>	<b>gray clay</b>
<b>415</b>	<b>490</b>	<b>gray limestone</b>
<b>490</b>	<b>515</b>	<b>tan and white limestone</b>
<b>515</b>	<b>560</b>	<b>course sand</b>
<b>560</b>	<b>585</b>	<b>tan and white limestone</b>
<b>585</b>	<b>602</b>	<b>gray limestone</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>-3 to 532</b>
<b>5 od.</b>	<b>new</b>	<b>sdr17 pvc (.032)</b>	<b>screen 532 to 592</b>
<b>5 od.</b>	<b>new</b>	<b>sdr17 pvc</b>	<b>592 to 602</b>

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## STATE OF TEXAS WELL REPORT for Tracking #343342

Owner: **David Tatum**

Owner Well #: **No Data**

Address: **2402 Granite Creek Dr  
Leander, TX 78613**

Grid #: **58-17-3**

Well Location: **451 Branch Creek Trail  
Liberty Hill, TX 78642**

Latitude: **30° 44' 50" N**

Longitude: **097° 53' 29" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/21/2013**

Drilling End Date: **8/21/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9</b>	<b>0</b>	<b>25</b>
	<b>6</b>	<b>25</b>	<b>500</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>25</b>	<b>6 Cement</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: **Owner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **PVC and Burlap 25', 400', 420'**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 20+ GPM**



Water Quality:

Strata Depth (ft.)	Water Type
40	Hensell

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**  
**500 Southland Dr.**  
**Burnet, TX 78611**

Driller Name: **Frank Glass**

License Number: **1313**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	1	Topsoil
1	25	Caleche
25	65	Blue Limestone
65	195	Gray Limestone
195	210	Brown Limestone
210	315	Gray Limestone
315	400	Gray and Brown Limestone
400	420	Tan Limestone
420	500	Cream Limestone

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	OD New	PVC +2-440	SDR-17
5"	OD New	Perf PVC 440-500	SDR-17

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## STATE OF TEXAS WELL REPORT for Tracking #345975

Owner: **Casey Haynes**

Owner Well #: **No Data**

Address: **4396 CR 207  
Liberty Hill, TX 76527**

Grid #: **58-09-9**

Well Location: **4396 CR 207  
Liberty Hill, TX 76527**

Latitude: **30° 45' 54" N**

Longitude: **097° 54' 04" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **10/2/2013**

Drilling End Date: **10/2/2013**

	<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>550</b>

Drilling Method: **Air Rotary**

Borehole Completion: **cased; 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>6cmt 3gel</b>

Seal Method: **hand poured**

Distance to Property Line (ft.): **50+**

Sealed By: **ADC**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **owner / tape**

Surface Completion: **Surface Sleeve Installed**

Water Level: **472 ft. below land surface on 2013-10-02** Measurement Method: **Unknown**

Packers: **burlap,plastic,rubber @ 450,430,50**

Type of Pump: **Submersible**

Pump Depth (ft.): **0**

Well Tests: **Jetted** **Yield: 20-25 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>		

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Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>480-550</b>	<b>glen rose</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: **Associated Drilling Inc.**  
**PO Box 673**  
**Dripping Springs, TX 78620**

Driller Name: **James Benoit** License Number: **4064**

Comments: **A & W Well Service**

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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>20</b>	<b>white limestone</b>
<b>20</b>	<b>470</b>	<b>gray lime</b>
<b>470</b>	<b>480</b>	<b>tan lime</b>
<b>480</b>	<b>540</b>	<b>tan and white limestone</b>
<b>540</b>	<b>550</b>	<b>course sand</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>5</b>	<b>od new</b>	<b>sdr17 pvc</b>	<b>-3 to 490</b>
<b>5</b>	<b>od new</b>	<b>sdr17 pvc (.032)</b>	<b>screen 490 to 550</b>

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## STATE OF TEXAS WELL REPORT for Tracking #364816

Owner: **Evelyn and Michael Billington**

Owner Well #: **No Data**

Address: **1420 CR 254  
Georgetown, TX 78633**

Grid #: **58-10-7**

Well Location: **1420 CR 254  
Georgetown, TX 78633**

Latitude: **30° 45' 46" N**

Longitude: **097° 52' 07" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **5/4/2014**

Drilling End Date: **5/4/2014**

	<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>690</b>

Drilling Method: **Air Rotary**

Borehole Completion: **cased; 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>5cmt 3gel</b>

Seal Method: **hand poured**

Distance to Property Line (ft.): **100+**

Sealed By: **ADC**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **owner / tape**

Surface Completion: **Surface Sleeve Installed**

Water Level: **447 ft. below land surface on 2014-05-04** Measurement Method: **Unknown**

Packers: **burlap,plastic,rubber @ 590,570,50**

Type of Pump: **Submersible**

Pump Depth (ft.): **0**

Well Tests: **Jetted** **Yield: 25-30 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:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>615-680</b>	<b>Glen Rose</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: **Bud Dobson**

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>25</b>	<b>white caliche</b>
<b>25</b>	<b>590</b>	<b>gray lime</b>
<b>590</b>	<b>615</b>	<b>tan lime</b>
<b>615</b>	<b>680</b>	<b>tan and white limestone</b>
<b>680</b>	<b>690</b>	<b>gray limestone and clay</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>-3 to 610</b>
<b>5 od</b>	<b>new</b>	<b>sdr17 pvc (.032)</b>	<b>screen 610 to 670</b>
<b>5 od</b>	<b>new</b>	<b>sdr17 pvc</b>	<b>670 to 690</b>

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## STATE OF TEXAS WELL REPORT for Tracking #379581

Owner:	<b>BRENT GILMORE</b>	Owner Well #:	<b>1</b>
Address:	<b>3680 CR 207 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>3680 CR 207 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 45' 12" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 45" W</b>
		Elevation:	<b>1039 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/9/2014**

Drilling End Date: **9/10/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>540</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</b>

Seal Method: **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: **OWNER**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data on 2014-09-10**

Measurement Method: **Unknown**

Packers: **RUBBER 40'  
RUBBER 460'  
RUBBER 500'**

Type of Pump: **Submersible**

Pump Depth (ft.): **480**

Well Tests: **Jetted** **Yield: 35 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: **HILL COUNTRY WATER WELL**  
**POBOX 220**  
**BRIGGS, TX 78608**

Driller Name: **JOE MCDEARMON**

License Number: **2334**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	25	CALICHE
25	80	GRAY LIME
80	180	BROWN LIME
180	240	GRAY LIME
240	300	BROWN LIME
300	400	GRAY LIME
400	480	SANDSTONE
480	485	GRAY SHALE
485	510	SANDSTONE
510	515	TRINITY SAND
515	525	SANDSTONE
525	530	TRINITY SAND
530	540	SANDSTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0-540 SDR17
4.5	NEW	PLASTIC	520 - 540 .032

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## STATE OF TEXAS WELL REPORT for Tracking #379598

Owner:	<b>BRIAN &amp; KIM BUTLER</b>	Owner Well #:	<b>No Data</b>
Address:	<b>5450 HWY 183 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>5450 HWY 183 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 44' 04" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 32" W</b>
		Elevation:	<b>1018 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/11/2014**      Drilling End Date: **9/13/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>600</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>560</b>	<b>5</b>

Seal Method: **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: **OWNER**

Surface Completion: **Surface Sleeve Installed**

Water Level:	<b>No Data on 2014-09-13</b>	Measurement Method:	<b>Unknown</b>
Packers:	<b>RUBBER 40' RUBBER 400' RUBBER 500'</b>		
Type of Pump:	<b>Submersible</b>	Pump Depth (ft.):	<b>540</b>
Well Tests:	<b>Jetted</b>	Yield:	<b>40 GPM</b>

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: **HILL COUNTRY WATER WELL**

**POBOX 220  
BRIGGS, TX 78608**

Driller Name: **JOE MCDEARMON**

License Number: **2334**

Apprentice Name: **BRAD COWAN**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
0-18		CALICHE
18-80		GRAY LIME
80-140		BROWN LIME
140-280		GRAY LIME
280-360		BROWN LIME
360-420		GRAY LIME
420-480		SANDSTONE
480-485		SAND
485-520		SANDSTONE
520-525		TRINITY SAND
525-545		SANDSTONE
545-547		TRINITY SAND
547-600		SANDSTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
9 3/4"	NEW	PLASTIC	0-600 SDR17
6 1/2"	NEW	PLASTIC	20-600 SCREEN .032

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #400823

Owner:	<b>BRADY VEENE</b>	Owner Well #:	<b>1</b>
Address:	<b>3700 CR 207 LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>3700 CR 207 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 45' 18" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 32" W</b>
		Elevation:	<b>1082 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **6/2/2015**

Drilling End Date: **6/3/2015**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.5</b>	<b>20</b>	<b>580</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>40</b>	<b>6</b>

Seal Method: **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: **OWNER**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data on 2015-06-03**

Measurement Method: **Unknown**

Packers: **RUBBER 40'  
RUBBER 440'  
RUBBER 500'**

Type of Pump: **Submersible**

Pump Depth (ft.): **500**

Well Tests: **Jetted**      **Yield: 50 GPM with 0 ft. drawdown after unspecified hours**



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: **HILL COUNTRY WATER WELL**

**POBOX 220  
BRIGGS, TX 76808**

Driller Name: **JOE MCDEARMON**

License Number: **2334**

Apprentice Name: **BRAD COWAN**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	10	WHITE LIME
10	40	GRAY LIME
40	80	BROWN LIME
80	360	GRAY LIME
360	365	GRAY SHALE
365	460	GRAY LIME
460	465	GRAY SHALE
465	520	SANDSTONE
520	525	TRINITY SAND
525	550	SANDSTONE
550	560	TRINITY SAND
560	580	SANDSTONE

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	NEW	PLASTIC	0' - 560' SDR17
4.5	NEW	PLASTIC	520' - 560' .032 SCREEN

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## STATE OF TEXAS WELL REPORT for Tracking #411314

Owner:	<b>Jared Stephens</b>	Owner Well #:	<b>1</b>
Address:	<b>3692 CR 207 Liberty Hill, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>3692 CR 207 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 45' 14.6" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 45.7" W</b>
		Elevation:	<b>1063 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/24/2015**      Drilling End Date: **11/24/2015**

	<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>20</b>
	<b>6.75</b>	<b>20</b>	<b>550</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>30</b>	<b>Cement 4 Bags/Sacks</b>
	<b>30</b>	<b>50</b>	<b>Bentonite 3 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: **Pitless Adapter Used**

**Surface Completion by Driller**

Water Level: **441 ft. below land surface on 2015-11-25**      Measurement Method: **Electric Line**

Packers: **Rubber at 50 ft.  
Rubber at 480 ft.  
Rubber at 485 ft.**

Type of Pump: **Submersible**      Pump Depth (ft.): **500**

Well Tests: **Jetted**      **Yield: 30 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**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	1	Topsoil
1	25	Tan Lime
25	190	Grey Lime
190	350	Grey Sandstone
350	450	Grey Lime
450	515	Grey Sandstone W/B 490-510 5gpm 700TDS
515	530	Conglomerate/Sand W/B 30gpm 600TDS
530	550	Conglomerate SS

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR-17	-2	510
4.5	Perforated or Slotted	New Plastic (PVC)	SDR-17	510	550

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## STATE OF TEXAS WELL REPORT for Tracking #413537

Owner: **Michael Felder**

Owner Well #: **1**

Address: **3710 CR 207  
Liberty Hill, TX 78642**

Grid #: **58-09-9**

Well Location: **3710 CR 207  
Liberty Hill, TX 78642**

Latitude: **30° 45' 20" N**

Longitude: **097° 53' 47" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **9/14/2015**

Drilling End Date: **9/15/2015**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6.25</b>	<b>0</b>	<b>595</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>Cement 8</b>

Seal Method: **Slurry**

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: **No Data**

Packers: **Rubber at 40 ft.  
Rubber at 480 ft.  
Rubber at 500 ft.**

Type of Pump: **Submersible**

Pump Depth (ft.): **520**

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: **B & B Water Well Service, Inc**  
**PO Box 232**  
**Bertram, TX 78605**

Driller Name: **Joshua Dickison**

License Number: **54204**

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>18</b>	<b>CALICHE</b>
<b>18</b>	<b>30</b>	<b>LIMESTONE</b>
<b>30</b>	<b>80</b>	<b>GRAY LIMESTONE</b>
<b>80</b>	<b>85</b>	<b>GRAY SHALE</b>
<b>85</b>	<b>240</b>	<b>GRAY LIMESTONE</b>
<b>240</b>	<b>310</b>	<b>BROWN LIMESTONE</b>
<b>310</b>	<b>420</b>	<b>GRAY LIMESTONE</b>
<b>420</b>	<b>425</b>	<b>GRAY SHALE</b>
<b>425</b>	<b>510</b>	<b>SANDSTONE</b>
<b>510</b>	<b>515</b>	<b>TRINITY SAND</b>
<b>515</b>	<b>530</b>	<b>SANDSTONE</b>
<b>530</b>	<b>535</b>	<b>TRINITY SAND</b>
<b>535</b>	<b>565</b>	<b>SANDSTONE</b>
<b>565</b>	<b>570</b>	<b>TRINITY SAND</b>
<b>570</b>	<b>595</b>	<b>SANDSTONE</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>New Plastic (PVC)</b>		<b>0</b>	<b>535</b>
<b>4.5</b>		<b>New Plastic (PVC)</b>		<b>535</b>	<b>595</b>

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## STATE OF TEXAS WELL REPORT for Tracking #430297

Owner: **Wilde Wood Construction**

Owner Well #: **1**

Address: **203 Wildwood Dr  
Georgetown, TX 78633**

Grid #: **58-10-7**

Well Location: **411 Windmill Ranch Rd  
Georgetown, TX 78626**

Latitude: **30° 45' 08" N**

Longitude: **097° 51' 42" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **8/21/2013**

Drilling End Date: **8/23/2013**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>12</b>	<b>0</b>	<b>60</b>
	<b>6.75</b>	<b>60</b>	<b>800</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>Cement</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: **No Data**

**Surface Completion by Driller**

Water Level: **500 ft. below land surface on 2013-09-13**

Packers: **Rubber at 480 ft.  
Rubber at 640 ft.  
Rubber at 700 ft.**

Type of Pump: **Submersible**

Pump Depth (ft.): **660**

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: **B & B Water Well Service, Inc**  
**PO Box 232**  
**Bertram, TX 78605**

Driller Name: **Joshua Dickinson**

License Number: **54204**

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>Red Clay</b>
<b>15</b>	<b>20</b>	<b>Limestone</b>
<b>20</b>	<b>22</b>	<b>Red Clay</b>
<b>22</b>	<b>60</b>	<b>Limestone</b>
<b>60</b>	<b>85</b>	<b>Grey Limestone</b>
<b>85</b>	<b>90</b>	<b>Grey Shale</b>
<b>90</b>	<b>280</b>	<b>Grey Limestone</b>
<b>280</b>	<b>360</b>	<b>Brown Limestone</b>
<b>360</b>	<b>365</b>	<b>Grey Shale</b>
<b>365</b>	<b>480</b>	<b>Grey Limestone</b>
<b>480</b>	<b>485</b>	<b>Grey Shale</b>
<b>485</b>	<b>540</b>	<b>Brown Limestone</b>
<b>540</b>	<b>610</b>	<b>Grey Limestone</b>
<b>610</b>	<b>615</b>	<b>Grey Shale</b>
<b>615</b>	<b>680</b>	<b>Sandstone</b>
<b>680</b>	<b>685</b>	<b>Grey Shale</b>
<b>685</b>	<b>740</b>	<b>Sandstone</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>8</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>0</b>	<b>60</b>
<b>5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>0</b>	<b>720</b>
<b>5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>720</b>	<b>760</b>
<b>5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>760</b>	<b>800</b>

740	745	Trinity Sand
745	750	Sandstone
750	760	Trinity Sand
750	780	Sandstone
780	800	Trinity Sand

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**(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #487698

Owner:	<b>Rick Allison</b>	Owner Well #:	<b>No Data</b>
Address:	<b>7354 North 183 Florence, TX 76527</b>	Grid #:	<b>58-10-7</b>
Well Location:	<b>7354 North 183 Florence, TX 76527</b>	Latitude:	<b>30° 45' 43.02" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 29.1" W</b>
		Elevation:	<b>1114 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

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>9</b>	<b>0</b>	<b>50</b>
	<b>6.25</b>	<b>50</b>	<b>650</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>6 cement 2 benseal Bags/Sacks</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **+100**

Distance to Septic Field or other  
concentrated contamination (ft.): **+100**

Distance to Septic Tank (ft.): **+100**

Method of Verification: **owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **498 ft. below land surface on 2018-08-01** Measurement Method: **Sonic/Radar**

Packers: **Burlap at 50 ft.  
burlap and plastic at 530 ft.  
burlap and plastic at 550 ft.**

Type of Pump: **Submersible**

Well Tests: **Estimated** Yield: **20 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>550 - 650</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: **Associated Drilling Inc**  
**PO Box 673**  
**Dripping Springs, TX 78620**

Driller Name: **James Benoit**

License Number: **4064**

Comments: **Drilled for Dodson Well Service**  
**SB**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>3</b>	<b>white calachie</b>
<b>3</b>	<b>15</b>	<b>tan lime</b>
<b>15</b>	<b>515</b>	<b>blue lime</b>
<b>515</b>	<b>530</b>	<b>grey lime and clay</b>
<b>530</b>	<b>550</b>	<b>grey tan limestone</b>
<b>550</b>	<b>605</b>	<b>tan white limestone, H2O, some sand</b>
<b>605</b>	<b>630</b>	<b>tan grey limestone</b>
<b>630</b>	<b>650</b>	<b>grey 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>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>-3</b>	<b>570</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>SDR17 0.020</b>	<b>570</b>	<b>630</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>630</b>	<b>650</b>

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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## STATE OF TEXAS WELL REPORT for Tracking #489415

Owner:	<b>VERGIL HAGGERTON</b>	Owner Well #:	<b>1</b>
Address:	<b>520 SUMMERWOOD DRIVE LIBERTY HILL, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>520 SUMMERWOOD DRIVE LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 44' 05.61" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 05.55" W</b>
		Elevation:	<b>960 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **8/6/2018**

Drilling End Date: **8/7/2018**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>9</b>	<b>0</b>	<b>20</b>
	<b>6</b>	<b>20</b>	<b>560</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>20</b>	<b>Cement 6 Bags/Sacks</b>

Seal Method: **Hand Mixed**

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: **390 ft. below land surface on 2018-08-08** Measurement Method: **Sonic/Radar**

Packers: **Rubber at 160 ft.  
Rubber at 320 ft.  
Rubber at 480 ft.**

Type of Pump: **Submersible** Pump Depth (ft.): **500**

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: **Alpine water well service**  
**10121 North IH35**  
**Jarrell, TX 76537**

Driller Name: **BOBBY STORK**

License Number: **2912**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	4	ROCKY TOP SOIL
4	19	CLEACHY
19	340	GREY SHALE
340	480	GREY SHALE AND Limestone
480	540	BROKEN Limestone AND WATER
540	560	Limestone

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
6		New Steel		-2	20
4.5		New Plastic (PVC)		0	500
4.5	Perforated or Slotted	New Plastic (PVC)		500	560

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## STATE OF TEXAS WELL REPORT for Tracking #499547

Owner: **Gabrial Vazquez**

Owner Well #: **No Data**

Address: **5604 China Berry Rd  
Austin, TX 78744**

Grid #: **58-18-1**

Well Location: **5346 N Hwy 183  
Liberty Hill, TX 78642**

Latitude: **30° 43' 56" N**

Longitude: **097° 52' 26" W**

Well County: **Williamson**

Elevation: **No Data**

Type of Work: **New Well**

Proposed Use: **Domestic**

Drilling Start Date: **11/28/2018**

Drilling End Date: **11/28/2018**

	<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>585</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 480 ft.  
Burlap/Neoprene at 483 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 40-45 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>483 - 560</b>	<b>Trinity - TDS 320</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>23</b>	<b>Tan LS</b>
<b>23</b>	<b>467</b>	<b>Gray Tan LS</b>
<b>467</b>	<b>483</b>	<b>Gray Sand</b>
<b>483</b>	<b>505</b>	<b>Gray Tan LS w/ Sand</b>
<b>505</b>	<b>519</b>	<b>Sand</b>
<b>519</b>	<b>560</b>	<b>Tan LS</b>
<b>560</b>	<b>565</b>	<b>Gray LS</b>
<b>565</b>	<b>585</b>	<b>Gray LS w/ 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>505</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>.035</b>	<b>505</b>	<b>565</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>565</b>	<b>585</b>

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## STATE OF TEXAS WELL REPORT for Tracking #499655

Owner:	<b>Lynda Jones</b>	Owner Well #:	<b>No Data</b>
Address:	<b>3160 CR 207 Liberty Hill, TX 78642</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>3160 CR 207 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 45' 02.34" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 33.3" W</b>
		Elevation:	<b>1042 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/30/2018**      Drilling End Date: **11/30/2018**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>9</b>	<b>0</b>	<b>50</b>
	<b>6.25</b>	<b>50</b>	<b>570</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>-1</b>	<b>50</b>	<b>6 cement 2 benseal Bags/Sacks</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **+100**

Distance to Septic Field or other  
concentrated contamination (ft.): **unknown**

Distance to Septic Tank (ft.): **unknown**

Method of Verification: **well drilled first by  
owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **437 ft. below land surface on 2018-11-30**      Measurement Method: **Sonic/Radar**

Packers: **burlap and plastic 450', 470'**  
**Burlap at 50 ft.**

Type of Pump: **Submersible**

Well Tests: **Estimated**      **Yield: 30-35 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
<b>470 - 570</b>	<b>mid trinity, hensell</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: **SB**

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 bedrock</b>
<b>1</b>	<b>20</b>	<b>white calachie</b>
<b>20</b>	<b>415</b>	<b>blue lime</b>
<b>415</b>	<b>430</b>	<b>grey lime and clay</b>
<b>430</b>	<b>470</b>	<b>blue white limestone and clay</b>
<b>470</b>	<b>495</b>	<b>tan white limestone, H2O</b>
<b>495</b>	<b>535</b>	<b>tan brown limestone</b>
<b>535</b>	<b>545</b>	<b>course sand, H2O</b>
<b>545</b>	<b>560</b>	<b>tan grey limestone</b>
<b>560</b>	<b>570</b>	<b>white limestone</b>

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>-3</b>	<b>490</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>SDR17 0.020</b>	<b>490</b>	<b>550</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>550</b>	<b>570</b>

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## STATE OF TEXAS WELL REPORT for Tracking #515111

Owner:	<b>Terri Palmer</b>	Owner Well #:	<b>No Data</b>
Address:	<b>5412 N Hwy 183 Liberty Hill, TX 78642</b>	Grid #:	<b>58-18-1</b>
Well Location:	<b>185 North of CR 207 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 43' 58.44" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 27.12" W</b>
		Elevation:	<b>991 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **5/17/2019**      Drilling End Date: **5/17/2019**

	<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>570</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>holeplug 4 Bags/Sacks</b>
	<b>1</b>	<b>50</b>	<b>cement 9 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.): **100+**

Method of Verification: **Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap 50', 440', 510'**

Type of Pump: **Submersible**

Well Tests: **Jetted**      **Yield: 45 GPM**



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>45</b>	<b>hensell</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: **Frank Glass**

License Number: **1313**

Comments: **Drilled for A&W Water Wells**

**Report Amended on 11/13/2019 by Request #29280**

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>75</b>	<b>Blue Lime</b>
<b>75</b>	<b>240</b>	<b>Gray Lime</b>
<b>240</b>	<b>300</b>	<b>Brown Lime</b>
<b>300</b>	<b>410</b>	<b>Grey Lime</b>
<b>410</b>	<b>450</b>	<b>Brown Shale</b>
<b>450</b>	<b>510</b>	<b>Grey Lime</b>
<b>510</b>	<b>570</b>	<b>Hensell Sand</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>1</b>	<b>570</b>

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## STATE OF TEXAS WELL REPORT for Tracking #520526

Owner:	<b>Martin Destefano</b>	Owner Well #:	<b>2</b>
Address:	<b>PO Box 160160 Austin, TX 78716</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>Hwy 183 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 43' 54.72" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 39.24" W</b>
		Elevation:	<b>1009 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **10/8/2011**      Drilling End Date: **10/9/2011**

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>560</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>Cement 5 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: **No Data**

Packers: **Rubber at 40 ft.  
Rubber at 460 ft.**

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: **B & B Water Well Service, Inc**  
**PO Box 232**  
**Bertram, TX 78605**

Driller Name: **Joshua Dickinson**

License Number: **54204**

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</b>
<b>2</b>	<b>15</b>	<b>CALICHE</b>
<b>15</b>	<b>420</b>	<b>BLUE SANDSTONE</b>
<b>420</b>	<b>460</b>	<b>SAND</b>
<b>460</b>	<b>480</b>	<b>BLUE SHALE</b>
<b>480</b>	<b>500</b>	<b>SAND</b>
<b>500</b>	<b>520</b>	<b>GREY SANDSTONE</b>
<b>520</b>	<b>540</b>	<b>SAND</b>
<b>540</b>	<b>560</b>	<b>BLUE 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>20</b>	<b>500</b>
<b>4.5</b>	<b>Perforated or Slotted</b>	<b>New Plastic (PVC)</b>	<b>SCH40</b>	<b>500</b>	<b>540</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>540</b>	<b>560</b>

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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## STATE OF TEXAS WELL REPORT for Tracking #520550

Owner:	<b>Carlos Higgins</b>	Owner Well #:	<b>No Data</b>
Address:	<b>5490 183 Liberty Hill, TX 78642</b>	Grid #:	<b>58-18-1</b>
Well Location:	<b>5490 183 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 02.05" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 28.25" W</b>
		Elevation:	<b>1013 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **7/24/2019**      Drilling End Date: **7/25/2019**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>580</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>Cement 7 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 Sleeve Installed**

**Surface Completion by Driller**

Water Level: **389 ft. below land surface on 2019-07-25**

Packers: **Rubber at 40 ft.  
Rubber at 400 ft.  
Rubber at 500 ft.**

Type of Pump: **Submersible**

Pump Depth (ft.): **500**

Well Tests: **Jetted      Yield: 50 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	trinity sands

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**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	TOPSOIL
2	14	CALICHE
14	480	GREY LIME
480	500	SANDSTONE
500	525	TRINITYSANDS
525	540	SANDSTONE
540	565	TRINITYSANDS
565	580	SANDSTONE

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17 0.032	0	580
4.5	Screen	New Plastic (PVC)	SDR17 0.032	520	520
4.5	Screen	New Plastic (PVC)	SDR17 0.032	560	560

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## STATE OF TEXAS WELL REPORT for Tracking #522543

Owner:	<b>Carlos Higgins</b>	Owner Well #:	<b>No Data</b>
Address:	<b>5490 Hwy `83 Liberty Hill, TX 78642</b>	Grid #:	<b>58-18-1</b>
Well Location:	<b>5490 Hwy `83 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 02.05" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 28.25" W</b>
		Elevation:	<b>1013 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/16/2019**      Drilling End Date: **9/18/2019**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>9.75</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>580</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>40</b>	<b>Cement 8 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 Sleeve Installed**      **Surface Completion by Driller**

Water Level: **429 ft. below land surface on 2019-09-18**

Packers: **Rubber at 40 ft.  
Rubber at 360 ft.  
Rubber at 500 ft.**

Type of Pump: **Submersible**      Pump Depth (ft.): **520**

Well Tests: **Jetted**      **Yield: 60 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: **HILL COUNTRY WATER WELL**  
**POBOX 220**  
**BRIGGS, TX 78608**

Driller Name: **Joe McDearmon**

License Number: **2334**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	20	TOPSOIL
20	140	CALICHE
140	480	GR.LIME
480	485	GRSHALE
485	500	SANDSTONE
500	525	TRINITYSANDS
525	540	SANDSTONE
540	565	TRINITYSANDS
565	580	SANDSTONE

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR17 0.032	0	580
4.5	Screen	New Plastic (PVC)	SDR17 0.032	540	540
4.5	Screen	New Plastic (PVC)	SDR17 0.032	560	560

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## STATE OF TEXAS WELL REPORT for Tracking #573890

Owner:	<b>Mike McNassar</b>	Owner Well #:	<b>No Data</b>
Address:	<b>951 Live Oak Trail Liberty Hill, TX 78642</b>	Grid #:	<b>58-18-1</b>
Well Location:	<b>951 Live Oak Trail Liberty Hill, TX 78642</b>	Latitude:	<b>30° 43' 58.2" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 03.36" W</b>
		Elevation:	<b>1012 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **4/28/2021**      Drilling End Date: **4/28/2021**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>630</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>30</b>	<b>4 cement 1 benseal Bags/Sacks</b>

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **75**

Distance to Septic Field or other  
concentrated contamination (ft.): **+100**

Distance to Septic Tank (ft.): **+100**

Method of Verification: **owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **487 ft. below land surface on 2021-04-28**      Measurement Method: **Sonic/Radar**

Packers: **burlap 30  
burlap and plastic 530, 510**

Type of Pump: **Submersible**

Well Tests: **Estimated      Yield: 10-12 GPM**

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>487</b>	<b>hensell</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**  
**500 Southland Drive**  
**Burnet, TX 78611**

Driller Name: **James Benoit**

License Number: **4064**

Comments: **Drilled for Dodson Well Services**

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 and rock</b>
<b>1</b>	<b>10</b>	<b>white calachie</b>
<b>10</b>	<b>25</b>	<b>tan lime</b>
<b>25</b>	<b>460</b>	<b>blue lime</b>
<b>460</b>	<b>495</b>	<b>tan white limestone</b>
<b>495</b>	<b>530</b>	<b>white limestone and blue clay</b>
<b>530</b>	<b>570</b>	<b>tan white limestone, H2O</b>
<b>570</b>	<b>595</b>	<b>white limestone</b>
<b>595</b>	<b>620</b>	<b>grey limestone</b>
<b>620</b>	<b>630</b>	<b>blue shale and 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>550</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>sdr17 0.020</b>	<b>550</b>	<b>610</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>sdr17</b>	<b>610</b>	<b>630</b>

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## STATE OF TEXAS WELL REPORT for Tracking #574707

Owner:	<b>SANTA RITA KC / MIDDLEBROOK, LLC</b>	Owner Well #:	<b>Saddleback Park #2</b>
Address:	<b>P.O. BOX 2445 ROUND ROCK, TX 78680</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>2130 CR 258 LIBERTY HILL, TX 78642</b>	Latitude:	<b>30° 44' 15" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 51" W</b>
		Elevation:	<b>938 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Irrigation</b>

Drilling Start Date: **3/29/2021**      Drilling End Date: **3/29/2021**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>14.75</b>	<b>0</b>	<b>40</b>
	<b>9.5</b>	<b>40</b>	<b>710</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: **No Data**

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **50**

Distance to Septic Field or other  
concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **N/A**

Method of Verification: **WELL DRILLED 1ST**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **BURLAP / RUBBER at 100 ft.  
BURLAP / RUBBER at 120 ft.  
BURLAP / RUBBER at 300 ft.  
BURLAP / RUBBER at 580 ft.  
BURLAP / RUBBER at 600 ft.  
BURLAP / RUBBER at 610 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted      No Test Data Specified**



Water Quality:

Strata Depth (ft.)	Water Type
610 - 710	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: **Centex Pump & Supply, Inc.**  
**2520 Hwy. 290 West**  
**Dripping Springs, TX 78620**

Driller Name: **Martin Lingle**

License Number: **54813**

Comments: **No Data**

**Report Amended on 1/23/2023 by Request #38512**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	TOPSOIL
2	17	CALICHE
17	20	BLUE
20	190	GRAY W/ CLAY
190	210	GRAY TAN
210	280	GRAY STREAK OF CLAY
280	510	GRAY TAN
510	530	TAN WHITE
530	705	TAN WHITE BROWN
705	710	GRAY CLAY

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
10	Blank	New Plastic (PVC)	SDR17	0	40
6.9	Perforated or Slotted	New Plastic (PVC)	SDR17	2	610
6.9	Perforated or Slotted	New Plastic (PVC)	SDR17	610	710

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## STATE OF TEXAS WELL REPORT for Tracking #601282

Owner:	Chris Raines	Owner Well #:	No Data
Address:	1020 River Ranch Rd Liberty Hill, TX 78642	Grid #:	58-10-7
Well Location:	1020 River Ranch Rd Liberty Hill, TX 78642	Latitude:	30° 45' 21.6" N
Well County:	Williamson	Longitude:	097° 52' 26.88" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 6/14/2021      Drilling End Date: 6/14/2021

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	9	0	30
	6.25	30	430

Drilling Method: Air Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	0	30	5 cement Bags/Sacks
	0	20	3 holeplug 2 cement Bags/Sacks

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: owner

Surface Completion: Surface Sleeve Installed

Surface Completion by Driller

Water Level: 304 ft. below land surface on 2021-06-14      Measurement Method: Sonic/Radar

Packers: plastic and burlap 350, 370

Type of Pump: Submersible

Well Tests: Estimated      Yield: 20 GPM

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>35</b>	<b>hensell</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**  
**500 Southland Drive**  
**Burnet, TX 78611**

Driller Name: **James Benoit**

License Number: **1313**

Comments: **Drilled for A&W Water Wells**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<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>15</b>	<b>caliche gravel</b>
<b>15</b>	<b>95</b>	<b>blue lime</b>
<b>95</b>	<b>130</b>	<b>grey lime</b>
<b>130</b>	<b>150</b>	<b>brown lime</b>
<b>150</b>	<b>300</b>	<b>grey lime</b>
<b>300</b>	<b>330</b>	<b>brown shale</b>
<b>350</b>	<b>410</b>	<b>hensell 20GPM</b>
<b>410</b>	<b>430</b>	<b>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>0</b>	<b>390</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>sdr17</b>	<b>390</b>	<b>430</b>

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## STATE OF TEXAS WELL REPORT for Tracking #605364

Owner:	Tom Evans	Owner Well #:	No Data
Address:	2450 CR 207 Liberty Hill, TX 78642	Grid #:	58-17-3
Well Location:	2450 CR 207 Liberty Hill, TX 78642	Latitude:	30° 44' 32.67" N
Well County:	Williamson	Longitude:	097° 53' 40.95" W
		Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: 9/15/2021      Drilling End Date: 9/15/2021

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	8.75	0	20
	6.25	20	550

Drilling Method: Air Rotary

Borehole Completion: Straight Wall

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	-1	30	4 cement 1 benseal Bags/Sacks

Seal Method: Slurry

Sealed By: Driller

Distance to Property Line (ft.): 52

Distance to Septic Field or other  
concentrated contamination (ft.): +100

Distance to Septic Tank (ft.): +100

Method of Verification: owner

Surface Completion: Surface Sleeve Installed

Surface Completion by Driller

Water Level:	432 ft. below land surface on 2021-09-15	Measurement Method:	Sonic/Radar
Packers:	burlap 30 burlap and plastic 450, 430		
Type of Pump:	Submersible		
Well Tests:	Estimated	Yield:	10-15 GPM

Water Quality:

Strata Depth (ft.)	Water Type
121	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: **Associated Drilling Inc**  
**PO BOX 673**  
**Dripping Springs, TX 78620**

Driller Name: **James Benoit**

License Number: **4064**

Comments: **Drilled for Dodson Well Service**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	topsoil
2	25	tan lime
25	410	blue lime
410	430	grey lime
430	460	blue white limestone and clay
460	495	tan white limestone and sand
495	530	white limestone
530	550	grey limestone

Casing:  
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	sdr17	-3	470
4.5	Screen	New Plastic (PVC)	sdr17 0.020	470	530
4.5	Blank	New Plastic (PVC)	sdr17	530	550

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## STATE OF TEXAS WELL REPORT for Tracking #624157

Owner:	<b>James Rodeghero</b>	Owner Well #:	<b>1</b>
Address:	<b>265 Branch Creek Trail Liberty Hill, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>265 Branch Creek Trail Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 49" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 53' 43" W</b>
		Elevation:	<b>1132 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **9/9/2022**

Drilling End Date: **9/9/2022**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>8.75</b>	<b>0</b>	<b>20</b>
	<b>6.75</b>	<b>20</b>	<b>610</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>Cement 5 Bags/Sacks</b>

Seal Method: **Hand Mixed**

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: **No Data**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **Rubber at 20 ft.  
Rubber at 455 ft.  
Rubber at 460 ft.**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 10 GPM after 1 hours, no drawdown 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: **Lucy Creek Water Well Service**  
**PO Box 1847**  
**Lampasas, TX 76550**

Driller Name: **Juan Munoz** License Number: **54176**

Apprentice Name: **Mario Munoz** Apprentice Number: **60427**

Comments: **TDS 218 PPM**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	2	Soil
2	15	Overburden
15	115	Grey Lime + Shale
115	238	Grey Conglomerate
238	308	Tan Lime
308	400	Tan/Grey Conglomerate
400	435	Grey Lime
435	465	Grey Conglomerate
465	570	Sand, S.S., Conglomerate
570	605	Grey Lime
605	610	Clay

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	Blank	New Plastic (PVC)	SDR-17	0	470
4.5	Perforated or Slotted	New Plastic (PVC)	SDR-17 0.125	470	570
4.5	Blank	New Plastic (PVC)	SDR-17	570	590
4.5	Perforated or Slotted	New Plastic (PVC)	SDR-17 0.125	590	610



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## STATE OF TEXAS WELL REPORT for Tracking #626329

Owner:	<b>S2 Properties</b>	Owner Well #:	<b>No Data</b>
Address:	<b>6250 US 183 Liberty Hill, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>6250 US 183 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 39" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 52' 36" W</b>
		Elevation:	<b>1040 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/1/2022**      Drilling End Date: **11/2/2022**

	<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</b>	<b>20</b>	<b>540</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>Cement 4 Bags/Sacks</b>

Seal Method: **Gravity**

Sealed By: **Driller**

Distance to Property Line (ft.): **100**

Distance to Septic Field or other  
concentrated contamination (ft.): **none**

Distance to Septic Tank (ft.): **none**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level:	<b>420 ft. below land surface on No Data</b>	Measurement Method:	<b>Sonic/Radar</b>
Packers:	<b>Rubber at 100 ft. Rubber at 200 ft. Rubber at 400 ft.</b>		
Type of Pump:	<b>Submersible</b>		
Well Tests:	<b>No Test Data Specified</b>		

Water Quality:

Strata Depth (ft.)	Water Type
500 - 540	EDWARDS

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: **Alpine water well service**

**10121 North IH35  
Jarrell, TX 76537**

Driller Name: **Bobby Wayne Stork**

License Number: **2912**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	12	topsoil
12	18	caliche
18	460	grey shale
460	500	limestone
500	540	brocken limestone water

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
6		New Steel	40	0	20
4.5		New Plastic (PVC)	sdr17	0	500
4.5		New Plastic (PVC)	sdr17 30	500	540

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## STATE OF TEXAS WELL REPORT for Tracking #630203

Owner:	<b>99 GOLD STAR HOLDINGS LLC</b>	Owner Well #:	<b>No Data</b>
Address:	<b>7712 AMBERDALE LANE FRISCO, TX 75034</b>	Grid #:	<b>58-10-7</b>
Well Location:	<b>1501 CR 223 FLORENCE, TX 76527</b>	Latitude:	<b>30° 45' 15" N</b>
		Longitude:	<b>097° 51' 59" W</b>
Well County:	<b>Williamson</b>	Elevation:	<b>1080 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **12/19/2022**      Drilling End Date: **12/20/2022**

	<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</b>	<b>20</b>	<b>600</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>Cement 5 Bags/Sacks</b>

Seal Method: **Gravity**

Sealed By: **Driller**

Distance to Property Line (ft.): **200**

Distance to Septic Field or other  
concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **125**

Method of Verification: **OWNER**

Surface Completion: **Surface Slab Installed**

**Surface Completion by Driller**

Water Level: **469 ft. below land surface on 2022-12-22**      Measurement Method: **Sonic/Radar**

Packers: **Rubber at 100 ft.  
Rubber at 300 ft.  
Rubber at 500 ft.**

Type of Pump: **Submersible**      Pump Depth (ft.): **560**

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: **Alpine water well service**  
**10121 North IH35**  
**Jarrell, TX 76537**

Driller Name: **BOBBY WAYNE STORK**

License Number: **2912**

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>18</b>	<b>CLAY AND CALICHIE</b>
<b>18</b>	<b>460</b>	<b>GREY SHALE</b>
<b>460</b>	<b>600</b>	<b>LIMESTONE</b>

<i>Dia (in.)</i>	<i>Type</i>	<i>Material</i>	<i>Sch./Gage</i>	<i>Top (ft.)</i>	<i>Bottom (ft.)</i>
<b>6</b>		<b>New Steel</b>	<b>40</b>	<b>-2</b>	<b>20</b>
<b>4.5</b>		<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>-1</b>	<b>560</b>
<b>4.5</b>		<b>New Plastic (PVC)</b>	<b>SDR17 32</b>	<b>560</b>	<b>600</b>

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## STATE OF TEXAS WELL REPORT for Tracking #633514

Owner:	<b>Raymond Buenteo</b>	Owner Well #:	<b>No Data</b>
Address:	<b>230 CR 202 Liberty Hill, TX 78642</b>	Grid #:	<b>58-17-3</b>
Well Location:	<b>230 CR 202 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 44' 32.24" N</b>
Well County:	<b>Williamson</b>	Longitude:	<b>097° 54' 07.63" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **3/6/2023**

Drilling End Date: **3/6/2023**

Borehole:	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>8.75</b>	<b>0</b>	<b>20</b>
	<b>6.25</b>	<b>20</b>	<b>550</b>

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
	<b>-1</b>	<b>30</b>	<b>4 cement, 1 Benseal Bags/Sacks</b>

Seal Method: **Slurry**

Distance to Property Line (ft.): **51**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Owner**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level:	<b>403 ft. below land surface on 2023-03-06</b>	Measurement Method:	<b>Sonic/Radar</b>
Packers:	<b>Burlap &amp; PVC 430', 410' Burlap 30'</b>		
Type of Pump:	<b>Submersible</b>		
Well Tests:	<b>Estimated</b>	<b>Yield: 15-20 GPM</b>	

Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>403 - 550</b>	<b>Hensel</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**  
**500 Southland Drive**  
**Burnet, TX 78611**

Driller Name: **James Benoit**

License Number: **4064**

Comments: **Drilled for A&W Water Well Service**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>15</b>	<b>tan lime</b>
<b>15</b>	<b>415</b>	<b>blue lime</b>
<b>415</b>	<b>430</b>	<b>white limestone &amp; blue clay</b>
<b>430</b>	<b>460</b>	<b>white limestone &amp; sand</b>
<b>460</b>	<b>475</b>	<b>tan limestone</b>
<b>475</b>	<b>535</b>	<b>gray limestone</b>
<b>535</b>	<b>550</b>	<b>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>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>-3</b>	<b>470</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>SDR17 0.020</b>	<b>470</b>	<b>530</b>
<b>4.5</b>	<b>Blank</b>	<b>New Plastic (PVC)</b>	<b>SDR17</b>	<b>530</b>	<b>550</b>

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## STATE OF TEXAS WELL REPORT for Tracking #685544

Owner:	<b>EBCOGC</b>	Owner Well #:	<b>No Data</b>
Address:	<b>804 East 1st Street Cameron, TX 76520</b>	Grid #:	<b>58-09-9</b>
Well Location:	<b>91 Private Road 905 Liberty Hill, TX 78642</b>	Latitude:	<b>30° 45' 18" N</b>
		Longitude:	<b>097° 52' 44" W</b>
Well County:	<b>Williamson</b>	Elevation:	<b>1060 ft. above sea level</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Domestic</b>

Drilling Start Date: **11/13/2024**      Drilling End Date: **11/14/2024**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>10</b>	<b>0</b>	<b>19</b>
	<b>6.5</b>	<b>19</b>	<b>600</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>Cement 6 Bags/Sacks</b>

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **52**

Distance to Septic Field or other  
concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **100+**

Method of Verification: **Tape**

Surface Completion: **Surface Sleeve Installed**

**Surface Completion by Driller**

Water Level: **480 ft. below land surface on 2024-11-14**

Packers: **Rubber at 100 ft.  
Rubber at 320 ft.  
Rubber at 420 ft.  
Rubber at 520 ft.**

Type of Pump: **Submersible**

Pump Depth (ft.): **560**

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: **TOM ARNOLD DRILLING**  
**2750 SOUTH A. W. GRIMES BLVD**  
**ROUND ROCK, TX 78664**

Driller Name: **Tommy Arnold**License Number: **2096**Comments: **Well installed Prior to Septic System**

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>Fill</b>
<b>2</b>	<b>11</b>	<b>Yellow Limestone</b>
<b>11</b>	<b>84</b>	<b>Gray Limestone</b>
<b>84</b>	<b>105</b>	<b>Tan Limestone</b>
<b>105</b>	<b>171</b>	<b>Gray Limestone</b>
<b>171</b>	<b>180</b>	<b>Brown Limestone</b>
<b>180</b>	<b>300</b>	<b>Gray Limestone</b>
<b>300</b>	<b>309</b>	<b>Brown Limestone</b>
<b>309</b>	<b>410</b>	<b>Gray Limestone</b>
<b>410</b>	<b>414</b>	<b>Blue Limestone &amp; Shale</b>
<b>414</b>	<b>488</b>	<b>Gray Limestone</b>
<b>488</b>	<b>501</b>	<b>Gray Sandstone</b>
<b>501</b>	<b>537</b>	<b>Gray Sandstone &amp; Sand</b>
<b>537</b>	<b>560</b>	<b>White Limestone</b>
<b>560</b>	<b>600</b>	<b>White Limestone &amp; Sandstone</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>600</b>
<b>4.5</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>SDR17 0.032</b>	<b>520</b>	<b>580</b>

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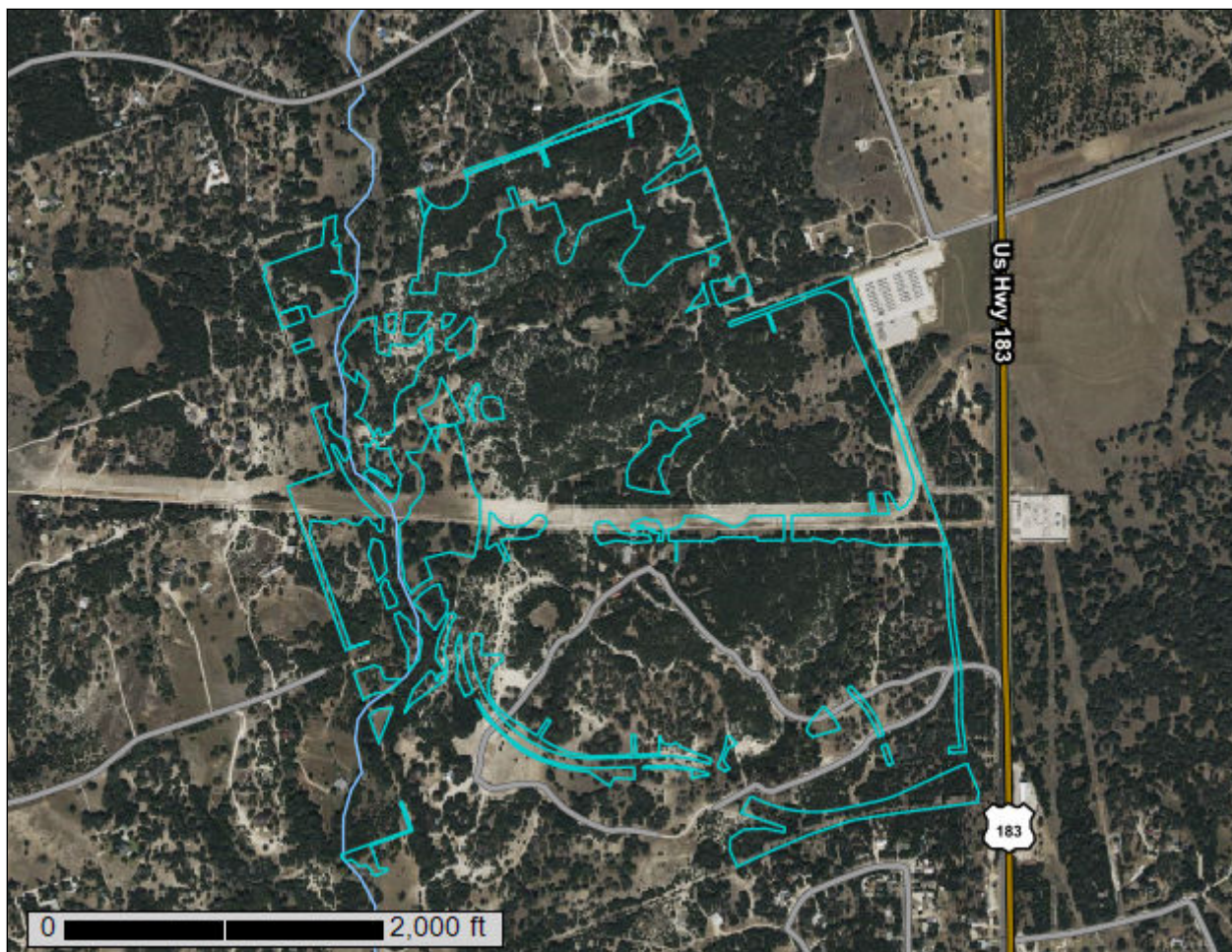
United States  
Department of  
Agriculture

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 **Williamson County, Texas**



January 24, 2025

# 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



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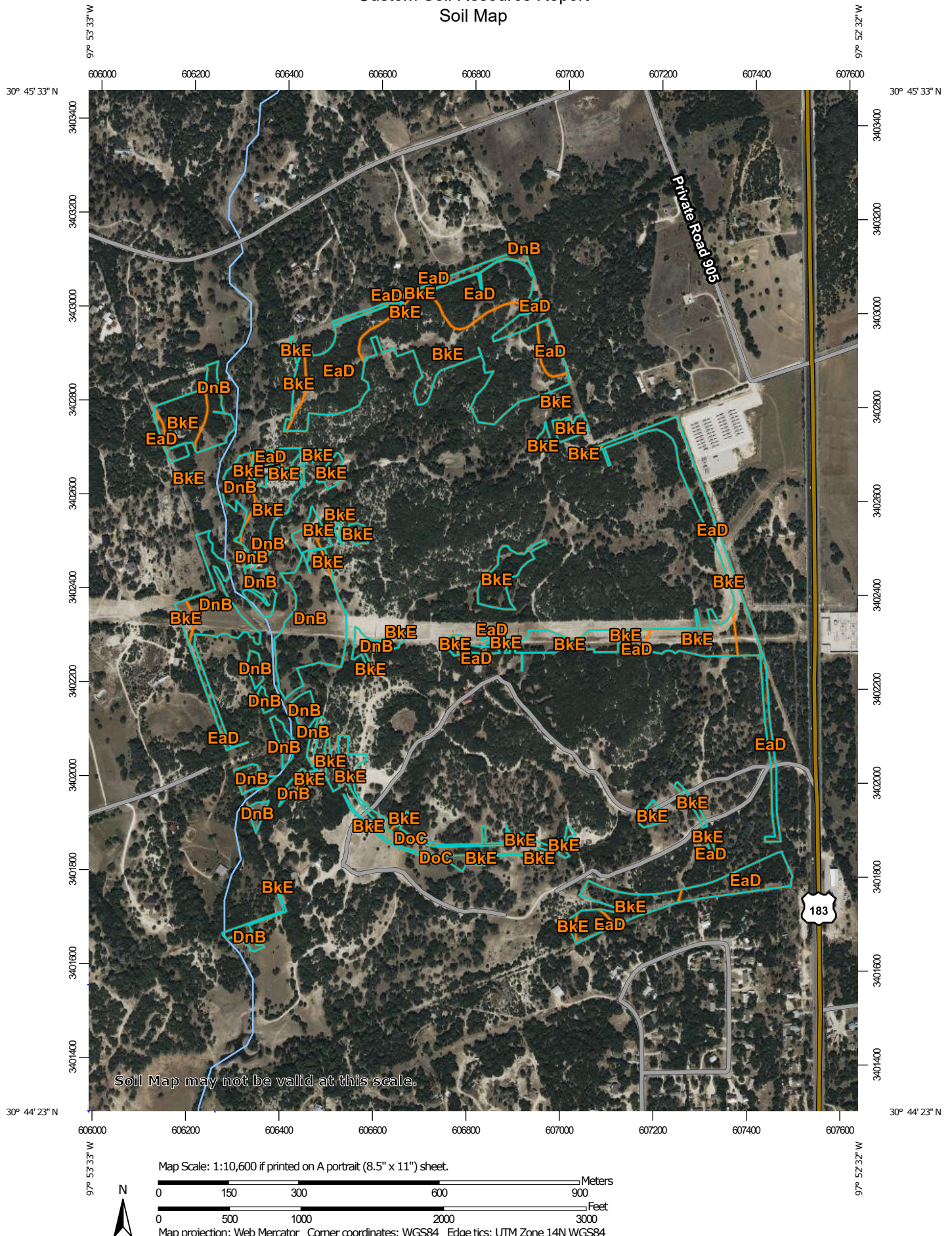
identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# 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 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Williamson County, Texas  
Survey Area Data: Version 25, Aug 30, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Data not available.

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background 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
BkE	Brackett gravelly clay loam, 3 to 12 percent slopes	36.9	44.2%
DnB	Denton silty clay, 1 to 3 percent slopes	21.9	26.3%
DoC	Doss silty clay, moist, 1 to 5 percent slopes	0.9	1.1%
EaD	Eckrant cobbly clay, 1 to 8 percent slopes	23.8	28.4%
<b>Totals for Area of Interest</b>		<b>83.6</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.



## Custom Soil Resource Report

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 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.

## Williamson County, Texas

### BkE—Brackett gravelly clay loam, 3 to 12 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2t2m5  
*Elevation:* 700 to 1,450 feet  
*Mean annual precipitation:* 30 to 36 inches  
*Mean annual air temperature:* 66 to 69 degrees F  
*Frost-free period:* 230 to 265 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Brackett and similar soils:* 92 percent  
*Minor components:* 8 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Brackett

##### Setting

*Landform:* Ridges  
*Landform position (two-dimensional):* Summit, shoulder, backslope, footslope  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from limestone

##### Typical profile

*A - 0 to 5 inches:* gravelly clay loam  
*Bk - 5 to 16 inches:* clay loam  
*Cr - 16 to 60 inches:* bedrock

##### Properties and qualities

*Slope:* 3 to 12 percent  
*Surface area covered with cobbles, stones or boulders:* 3.0 percent  
*Depth to restrictive feature:* 6 to 20 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:* 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 1.9 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

## Minor Components

### Sunev

*Percent of map unit:* 6 percent  
*Landform:* Drainageways  
*Landform position (two-dimensional):* Footslope, backslope  
*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

### Austin

*Percent of map unit:* 2 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Summit, shoulder, backslope, footslope  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

## DnB—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

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*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

## **DoC—Doss silty clay, moist, 1 to 5 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2s0st  
*Elevation:* 630 to 1,840 feet  
*Mean annual precipitation:* 30 to 36 inches  
*Mean annual air temperature:* 66 to 68 degrees F  
*Frost-free period:* 210 to 240 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Doss and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Doss**

#### **Setting**

*Landform:* Hillslopes  
*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**

*A - 0 to 9 inches:* silty clay  
*Bk - 9 to 17 inches:* silty clay  
*Cr - 17 to 80 inches:* bedrock

#### **Properties and qualities**

*Slope:* 1 to 5 percent  
*Depth to restrictive feature:* 11 to 20 inches to paralithic 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:* 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 2.4 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* D  
*Ecological site:* R081CY574TX - Shallow 29-35 PZ  
*Hydric soil rating:* No



## Minor Components

### Brackett

*Percent of map unit:* 7 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Shoulder, backslope, footslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R081CY362TX - Steep Adobe 29-35 PZ  
*Hydric soil rating:* No

### Bolar

*Percent of map unit:* 5 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

### Eckrant

*Percent of map unit:* 1 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Ecological site:* R081CY360TX - Low Stony Hill 29-35 PZ  
*Hydric soil rating:* No

### Purves

*Percent of map unit:* 1 percent  
*Landform:* Plains  
*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

### Denton

*Percent of map unit:* 1 percent  
*Landform:* Plains  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* R081CY357TX - Clay Loam 29-35 PZ  
*Hydric soil rating:* No

## **EaD—Eckrant cobbly clay, 1 to 8 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2t0sg  
*Elevation:* 650 to 1,900 feet  
*Mean annual precipitation:* 30 to 35 inches  
*Mean annual air temperature:* 65 to 69 degrees F  
*Frost-free period:* 210 to 250 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Eckrant and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Eckrant**

#### **Setting**

*Landform:* Ridges  
*Landform position (two-dimensional):* Summit, shoulder, backslope  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Residuum weathered from limestone

#### **Typical profile**

*A1 - 0 to 4 inches:* cobbly clay  
*A2 - 4 to 11 inches:* very cobbly clay  
*R - 11 to 80 inches:* bedrock

#### **Properties and qualities**

*Slope:* 1 to 8 percent  
*Surface area covered with cobbles, stones or boulders:* 2.3 percent  
*Depth to restrictive feature:* 4 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:* 10 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 1.0 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* D

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*Ecological site:* R081CY360TX - Low Stony Hill 29-35 PZ

*Hydric soil rating:* No

### Minor Components

#### Brackett

*Percent of map unit:* 7 percent

*Landform:* Ridges

*Landform position (two-dimensional):* 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

#### Bexar

*Percent of map unit:* 5 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Footslope

*Landform position (three-dimensional):* Base slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* R081CY361TX - Redland 29-35 PZ

*Hydric soil rating:* No

#### Krum

*Percent of map unit:* 3 percent

*Landform:* Ridges

*Landform position (two-dimensional):* Toeslope

*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

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