Permit Hearing - Item #7
Linnemann

NOTICE OF PERMIT HEARING OF THE CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

Notice is hereby given that the Board of Directors for the Clearwater Underground Water Conservation District will conduct a hearing on three Applications for Permits as described below at 1:30 p.m. on Wednesday, August 14, 2024, Clearwater UWCD Board Room located at 640 Kennedy Court, Belton, Texas, in compliance with the Texas Open Meetings Act.

The hearing will be conducted on the following applications:

Applicant's File Number	Permit Applicant/Holder and Landowner	Location of Well/Wells	Proposed Annual Groundwater Withdrawal Amount & Purpose of Use
Combination Drilling & Operating Permit for Well N3-24-005P N3-24-006P N3-24-007P	Michael Linnemann 2205 Sunrise Drive Belton, TX 76513 (254) 535-6186	Proposed subdivision of a 17.0-acre tract into 4 tracts necessitating a groundwater certification and permitting located on Royal Street, 2/10 mile to the east of the intersection of Blackberry Road and Royal Street in Salado, TX 76571 Well #1: Latitude 30.93679° Longitude -97.49718° Well #2 Latitude 30.93733° Longitude -97.49698° Well #3 Latitude 30.93793° Longitude -97.49684°	Produce groundwater for domestic use in a proposed annual quantity not to exceed: 0.3 acre-feet or 98,550 gallons per year total. This permit will authorize the withdrawal from a well completed in the Edwards BFZ Management Zone to the Edwards BFZ Aquifer limited to a maximum 1 ¼ - inch column pipe.

The Applications for Permit and Permit Amendments, if granted, would authorize the permit holder to operate wells within the Clearwater Underground Water Conservation District according to the terms and conditions set forth in the permit. A person wishing to submit a Contested Case Hearing Request under District Rule 6.10.15(d) who is unable to appear at the hearing on the date and time set forth above must also file a motion for continuance with CUWCD demonstrating good cause for the inability to not appear.

For additional information about this application or the permitting process, or to request information on the legal requirements on what MUST be included for a Contested Case Hearing Request to be valid, please contact CUWCD at 700 Kennedy Court (PO Box 1989) Belton, Texas, 76513, 254-933-0120.

ISSUED this 2nd day of August 2024 in Belton, Texas, on the recommendation of the General Manager.

I, the undersigned authority, do hereby certify that the above NOTICE OF PERMIT HEARING of the Board of Directors of the Clearwater Underground Water Conservation District is a true and correct copy of said Notice. I have posted a true and correct copy of said Notice at the District office located in Belton, Texas, and said Notice was posted on August 2, 2024, and remained posted continuously for at least 10 (ten) days immediately preceding the day of said hearing; a true and correct copy of said Notice was furnished to the Bell County Clerk, in which the above-named political subdivision is located.

Dated 08/02/2024

Clearwater Underground Water Conservation District

Dirk Aaron, General Manager

CUWCD Executive Summary

Executive Summary

Application for <u>3</u> Combination Drilling & Operating Permits N3-24-005P, N3-24-006P, N3-24-007P



Applicant/Owner:

Michael Linnemann

2205 Sunrise Drive

Belton, TX 76513

Location of Wells:

Location description: Proposed subdivision of a 17.0-acre tract into 4 tracts necessitating a

groundwater certification and permitting located on Royal Street, 2/10 mile

Phone: (254) 535-6186

to the east of the intersection of Blackberry Road and Royal Street in

Salado, TX 76571

Management Zone:

Eastern Management Zone

Well #1: (N3-24-005P) Latitude 30.93679° Longitude -97.49718° Well #2: (N3-24-006P) Latitude 30.93733° Longitude -97.49698° Well #3: (N3-24-007P) Latitude 30.93793° Longitude -97.49684°

Proposed Annual Withdrawal:	Proposed Beneficial Use:	Source Aquifer:	Nearest Registered &
Wells #1-3:		Edwards BFZ	Existing Wells:
Initial Rate: 10-gpm/well	Domestic Use	Aquifer	
Column Pipe: 1 1/4-inch max			Wells #1-3 have 11 wells within ½ mile.
Proposed Production:			
Wells #1-3: 0.3 acre-feet/year or 98,550 gallons/year for each well			0 - Austin Chalk0 - Upper Trinity0 - Middle Trinity11 - Edwards BFZ
Total: 0.9 acre-feet/year or 295,650 gallons/year			

General Information

Michael Linnemann, owner of the proposed Hawks Landing subdivision, submitted three applications to Clearwater Underground Water Conservation District (CUWCD) on March 28, 2024, for a combination drilling and operating permit to complete three new wells (N3-24-005P, N3-24-006P, N3-24-007P) for domestic use of 0.3 acre-feet/year or 98,550 gallons/year from each well totaling 0.9 acre-feet/year or 295,650 gallons/year.

The proposed subdivision at Property ID: 73492 is 4 tracts totaling 17 acres. Lot 4 Block One is a proposed 10.2-acre tract with an existing well (E-23-012P). Lots 1 through 3 are approximately 2.12 to 2.14 acres in size thus each lot is eligible for a non-exempt well per the N3 Drilling and Operating Permit application.

This permit will authorize the drilling and production of three wells in the Edwards BFZ Aquifer in the Edwards BFZ Management Zone with a maximum 1 ¼-inch column pipe, not to exceed 10-gpm, on the 17-acre tract divided into four tracts necessitating a groundwater certification.

On August 9, 2023, the Board reviewed a request to allow a single well pump test in place of the Groundwater Availability Certification (GAC) requirement, for the purpose of subdividing Bell CAD Property ID: 73492. The request was approved with the stipulations that the pump test be delayed until sufficient water is available and that they provide documentation stating that they do not have access to public water. The pumping test was conducted by district staff and Baylor Geology Department following the drought of 2023.

Upon completion of the well, the district requires a Well Completion Report at or prior to the well inspection by the District Staff per Rule 6.9.2(e)-(f).

Per Rules 6.9 and 6.10

In deciding whether or not to issue a permit, the Board must consider the following:

Does the application contain all the information requested, is the application accurate? Does it meet spacing and production limitations identified by District Rules, and does it conform to all application requirements which include public notification and accompanied by the prescribed fees? TWC 36.116(a)(1), TWC 36.113(d)(1), Rule 6.9.1(a)(b)(1)(2), Rule 6.9.2(a)-(f), Rule 6.10.24(a)(b), and Rule 9.5.1-2.

The application has been deemed administratively complete and the requested information necessary to proceed is as follows:

- The application does meet the tract size requirements (minimum of 2 acres) associated with District Rule 9.5.2 for wells completed to the Edwards BFZ Aquifer with a maximum of 1 ¼-inch column pipe in the Edwards BFZ Management Zone.
- This property lies within Jerrell Schwertner Water Supply Cooperation (JSWSC) CCN (certificate of convenience and necessity), and the applicants have investigated with JSWC the possibility of public water supply delivery and *will testify* why they have chosen to pursue groundwater rather than public

water supply. Verification and approval of on-site septic systems must be conducted by Bell County Public Health District – Environmental Health Division once approval of each proposed well site is confirmed with CUWCD. The applicant agrees to the required setback dimensions for on-site septic systems from existing wells.

- The application fee of \$1,700.00 has been received for:
 - o a modified groundwater availability certification (\$1,250.00)
 - o a combination drilling and operating permit for the three wells associated with this application (\$450.00)
- The applicant and their representative have conducted all notification requirements in a proper manner per District Rules.
- 2) Is the proposed use of water dedicated to a beneficial use? (TWC 36.113(d)(3), District Rule 6.10.24(d), and District Rule 9.5.2 authority to serve as a public water supply per PUC and TCEQ requirements.

The proposed production of groundwater is for domestic use (household) and is deemed a "beneficial use".

3) Has the applicant agreed to avoid waste and achieve water conservation? (TWC 36.113(d)(6) and Rule 6.10.24(f)

The applicant <u>should testify</u> that by signing the application form, they understand, per District Rule 6.10.24(f), that the applicant and their representative agree to and state that they will comply with the District's Management Plan and District Rules in effect on October 11, 2023.

Estimated annual production was calculated based on household usage of approximately 90 gallons/person/day, thus 98,550 gallons/year per well. Estimates are based on an average of 3 people per household.

The applicant or his representative <u>should testify</u> to the importance of water conservation measures. The district expects that the applicant states in testimony they do not intend to utilize the groundwater for extensive landscape purposes and agrees to describe that their use of the groundwater will not be deemed a waste.

4) Has the applicant agreed that reasonable diligence will be used to protect groundwater quality and that the applicant will follow well plugging guidelines at the time of well closure? (TWC 36.113(d)(7) and Rule 6.10.24(g)) and Rule 9.3.1 Special Standards of Completion for wells in TX Grid 58-03-06 related to Glen Rose Layer head pressure and injurious water concerns.

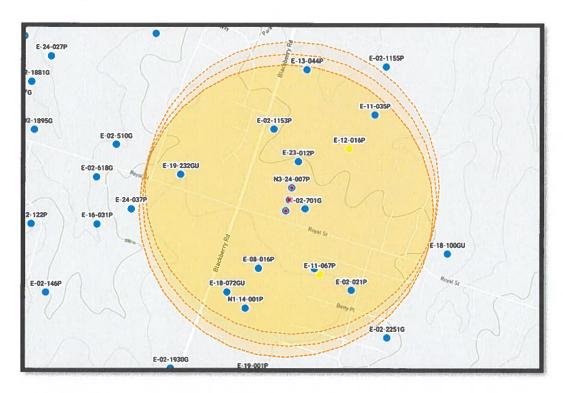
The applicant <u>should testify</u> that by signing the application form, they understand if the well deteriorates over time or becomes damaged in such a way that the well is inoperable, state law and district rules require such a well to be plugged before a replacement well can be drilled.

5) Will the proposed water well comply with the spacing and production limitations identified in our rules? (TWC 36.116(a)(1-2), TWC 36.116(c)&(d) and Rule 6.10.24(b)), Rule 7.1 and Rule 9.5.2.

All three proposed wells are located in the <u>Edwards BFZ Management Zone</u> described in District Rule 7.1 and will have a maximum column pipe size not to exceed <u>1 ¼-inch</u> as declared in the applications. Based on column pipe size, a minimum size tract of <u>2-acres</u> is required, with a <u>150-foot</u> spacing requirement from other wells completed to the same layer of the Edwards BFZ Aquifer. The <u>75-foot</u> setback requirement from adjacent property lines must be met for these proposed wells.

Per District Rule 9.5.2, as it relates to Spacing and Tract Size Requirements, the applicant or their representative <u>must testify</u> that they will adhere to all spacing requirements. The district expects the applicant and well driller work with OSSF installers (septic) to assure proper setbacks.

The figure below illustrates that we have 11 active wells in the Edwards BFZ Aquifer within a 1/2-mile radius.



The district's rules require that we impose a production limit based on acre-feet/year and described gallons/year. The proposed amount has been determined by the applicant for this review of the drilling permit for each well is for no more than:

0.3 acre-feet/year/well or 98,550 gallons/year/well

If the proposed future operating permits cause an unacceptable level of decline in the water quality of the aquifer and/or artesian pressure, then the board may require production at levels necessary to reduce said depletion or degradation of the aquifer.

In addition, the Board may reduce production necessary to prevent waste and achieve water conservation, minimize as far as practicable the drawdown of the water table or the reduction of artesian pressure, lessen interference between wells, or control and prevent subsidence.

More specifically these issues are considered in Items 6 & 7 below and with staff recommendations to address potential concerns of adjacent property owners and well owners within the potential radius of influence from future production.

6) Will the proposed use of water unreasonably affect existing groundwater and surface water resources or existing permit holders?

Based upon available information, there are the following number of wells as defined for domestic & livestock use and completed, and active from the Edwards BZF Aquifer.

11 wells are within ½ mile radius of the proposed well 11-Edwards BFZ

Mike Keester, KT Groundwater, has reviewed the application, determined the anticipated drawdown, and provided the <u>attached MK report</u>.

Keester states in his conclusions and recommendations the following:

"Based on the site-specific data, the hydraulic properties of the local Edwards (BFZ) Aquifer are sufficient to provide groundwater to wells for the proposed subdivision. The predicted drawdown from the three proposed wells is negligible. Our review of the local aquifer conditions indicates there is sufficient groundwater flow through the local aquifer system to provide 30 years of available groundwater under current production and climatic conditions."

Additionally, the District, to the extent possible, must issue permits up to the point the total volume of exempt and permitted groundwater production will achieve the applicable Desired Future Condition (DFC) per TWC 36.1132(a)(b) and Rule 6.10.25(a)(b)(c)(d)(e).

7) Is the proposed use of groundwater consistent with the District's Groundwater Water Management Plan related to the approved DFC and the defined available groundwater for permitting?

The District's Management Plan reflects a groundwater availability figure in the Edwards BFZ Aquifer of 6,469 ac-ft/year Modeled Available Groundwater (then reserve 825 ac-ft/year for exempt well use) thus 5,644 ac-ft/year is the Managed Available Groundwater for permitting established by the district.

The Board, per the District Management Plan, has evaluated groundwater available for permitting the Edwards BFZ Aquifer and most recently evaluated the available groundwater for permitting (consistent with the management plan as stated).

The requested permit amount relative to the modeled available groundwater MAG determined by the Texas Water Development Board (TWDB) based on the desired future conditions (DFCs) established by the District for the Edwards BFZ Aquifer was set by CUWCD based on maintaining Salado Springs discharge and that a minimum spring discharge of 200 acre feet per month is preferred and 100 acre-feet per month is the minimum acceptable spring discharge, in January 2011. To achieve this DFC, the TWDB used a model that indicated the MAG was equal to 6,469 acre-feet per year from the Edwards BFZ Aquifer.

A summary of YTD 2024 permit production, HEUP & OP Permit Analysis, pending applications, issued drilling permits and *Exempt Well Reservations for the L Edwards BFZ Aquifer, per District Report illustrates current Edwards BFZ Aquifer permits total 2,459.64 ac-ft/year. Currently, the District has one other pending permit for 500 ac-ft/year, thus available for permitting is 3,184.92 ac-ft/year. (See attached Edwards BFZ Aquifer Status Report, July 10, 2024).

8) What are the Modeled Available Groundwater calculations determined by the Executive Administrator of the Texas Water Development Board?

Refer to #7 above. The modeled available groundwater will not be exceeded by granting this permit. (See attached Edwards BFZ Aquifer Status Report, July 10, 2024).

9) What has the Executive Administrator of the Texas Water Development Board's estimate of the current and projected amount of groundwater produced under the exemptions in District Rule 6.3?

Refer to #7 above. Reservation of Modeled available groundwater for <u>exempt well</u> use will not be exceeded by granting this permit. (See 2023 district exempt use report).

10) What is the amount of groundwater authorized under permits previously issued by the District?

Refer to #7 above. Existing permits do not exceed the managed available groundwater (modeled available groundwater – reserved exempt well use = Managed Available Groundwater) for the Edwards BFZ Aquifer which is 3,184.92 ac-ft per year.

11) What is the reasonable estimate of the amount of groundwater that is produced annually under existing non-exempt permits issued by the District?

The total permitted amounts for non-exempt wells in the Edwards BFZ Aquifer in 2023 was 2,459.79 ac-feet/yr. and the actual production in 2023 was 1,754.63 ac-ft/yr. (71%) of the permitted amount. (Figures are based upon monthly production reports submitted to Clearwater by the permit holders in 2023).

12) Yearly precipitation and production patterns.

Clearwater is currently in "No Drought" based on the PDI system (average running total annual rainfall) as of July 10, 2024. The PDI for the Edwards BFZ Aquifer in the

District is currently at <u>40.173</u> inches of rain received in the last 365 days (as of 7/2/2024) thus <u>121.74%</u> of annual expected rainfall of 33 inches. The Edwards BFZ Aquifer permit holders in all of 2023 have used <u>71%</u> of the total permitted amounts in the Aquifer. Permit holders did not exceed their total permitted amounts in 2020, 2021, 2022, and 2023.

Conclusions and Recommendations:

- 1) Staff recommends that the applicant be permitted provisional drilling/operating permits as needed for plat approval by the Bell County Commissioners Court. All three wells at 0.3 acre feet/year each with special conditions thus aiding and improving the District's ability to effectively manage the groundwater resources within our boundaries and balancing the approval based on the concerns of adjacent landowners.
- 2) Applicant knows that groundwater will not be used for landscaping purposes.
- 3) The well driller shall ensure there is a removable plug in the sanitary seal installed to allow clear access into the well for water level measurements by the District Staff.
- 4) The district staff will coordinate with each future well owner to make quarterly measurements and conduct the monthly meter readings at that time.
- 5) The district staff will memorialize on the annual permits the high fluoride content and the need for domestic users to mitigate the water to lower levels of fluoride and any other contaminants with a whole home reverse osmosis system.

Attachments are as follows:

KT Groundwater Technical Memorandum	08/07/2024
CUWCD Edwards BFZ Aquifer Status Report	07/10/2024
CUWCD 2023 Exempt Well Estimate of Use Report	12/31/2023
CUWCD Site Maps	See Attached
Applications, Fees, and Notification Affidavits	See Attached
CUWCD Board Meeting Minutes	08/09/2023

KT Groundwater Technical Memo Item #7



2804 Paradise Ridge Cove Round Rock, Texas 78665 (512) 621-7237 KTGroundwater.com TBPG Firm No. 50705

Technical Memorandum

To: Mr. Dirk Aaron, General Manager –

Clearwater Underground Water Conservation District

From: Michael R. Keester, P.G.

Reviewed By: Alyssa B. Balzen, P.G.

Date: August 7, 2024

Subject: Groundwater Availability Certification and Hydrogeologic Evaluation of the

Hawks Landing Wells (N3-24-005P, N3-24-006P, and N3-24-007P) Combination

Permit Applications

Proposed Well IDs: N3-24-005P, N3-24-006P, and N3-24-007P

Well Owner Name: Michael Linnemann

Tract Size: 2.14 Acres Column Pipe Size: 1.5 inches

Aquifer: Edwards (BFZ) Management Zone: Edwards

Proposed Annual Production: 0.3 Acre-Feet (97,555 gallons) per well

Proposed Instantaneous Pumping Rate: 10 Gallons per Minute

According to information provided by the applicant, the three proposed wells are intended to serve as domestic supply on individual lots being subdivided from a larger tract. Each well is proposed to be equipped with a pump capable of 10 gallons per minute (gpm) on a 1.5-inch column pipe. The requested annual production from each well is 0.3 acre-feet (97,555 gallons) which is less than the amount commonly requested for domestic use.

The identified source for the proposed use is the Edwards (Balcones Fault Zone) Aquifer. Based on the State Well Report for the existing well on the tract (E-23-019P), fractured limestone was encountered between 280 to 320 feet below ground level (bgl). The depth to water in the existing well is currently about 63 feet bgl with no identifiable water-level trend in the aquifer. The applicant anticipates completing the proposed wells to the bottom of the Edwards with a proposed depth for each well of 450 feet bgl (which may be decreased based on conditions encountered while drilling).

Groundwater Availability Certification

Because the tract is being subdivided and groundwater is the source of water for the subdivision, Bell County requires a certification that adequate groundwater is available for the subdivision (County of Bell Subdivision Regulations 204.5(b) as revised April 29, 2024). The full requirements for certification of groundwater availability are defined in 30 TAC §230. In general, as part of the certification process a Texas licensed professional engineer or Texas licensed professional geoscientist must:

- 1. Assess the projected water demands for the proposed subdivision
- 2. Assess the general groundwater resources beneath the proposed subdivision
- 3. Obtain site-specific groundwater data through a drilling and testing program, including:
 - a. Aquifer hydraulic properties
 - b. Local groundwater quality
- 4. Determine if the groundwater is of sufficient quantity and quality to meet the intended use

When considering groundwater availability in relation to the Bell County Subdivision Regulations, the key questions are:

- 1. Is the local groundwater **suitable** for the intended use?
- 2. Is there adequate local groundwater for the intended use?

The first question suggests an assessment of the quality of the local groundwater for use within the homes to be constructed. The second question focuses on the quantity of groundwater and for how long that groundwater will be available to meet the needs of future homeowners. The purpose of the certification of groundwater availability as defined in 30 TAC §230 is to gather the information necessary to answer these questions and to provide a professional opinion certifying to the public that there is sufficient groundwater available to meet their needs and investment expectations.

Due to the small size of the proposed subdivision (that is, three lots) and lower than typical annual domestic use from each well, Clearwater Underground Water Conservation District (CUWCD) is assisting the applicant with a modified groundwater availability assessment. As part of the assessment, CUWCD conducted a pumping test using the property's existing well (E-23-012P) and collected samples for water quality analysis from the well. Using the collected data and our understanding of local aquifer conditions, we prepared an evaluation to assess the availability of groundwater for long-term use by the proposed subdivision.



E-23-012P Pumping Test

On May 30, 2024 CUWCD facilitated a pumping test conducted by Mr. Wayne Hamilton using well E-23-012P which is located on the parcel to be subdivided and about 500 to 900 feet north of the proposed wells. The well was pumped at a constant rate of 25 gpm for a period of 6.5 hours followed by 4-hour recovery period. During the pumping and recovery periods, Mr. Hamilton recorded depth to water at regular intervals. The following day, District staff recorded an additional water level from the well. Attachment 1 contains a hydrograph illustrating the measured water levels associated with the pumping test.

Analysis of the data collected during the later part of the drawdown and recovery periods suggests a local transmissivity of the Edwards (BFZ) Aquifer of 2,700-4,500 gallons per day per foot (gpd/ft). Attachment 1 contains charts illustrating our evaluation of the data to estimate the local aquifer transmissivity. To assess the storage coefficient of the local aquifer, measurement of water levels in a nearby observation well would be needed. While these measurements are not available, we have a sufficient understanding of the aquifer to estimate the storage coefficient as 0.0001. Table 1 summarizes information related to the pumping test conducted using well E-23-012P.

Table 1.	Summary of E-23-012P	pumping test	conditions, ob	servations, and results.
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Parameter	Value
Pumping Start	05/30/2024 08:30
Pumping End	05/30/2024 15:00
Pumping Duration	6.5 hours
Measuring Point	2.2 feet above ground level
Static Water Level	65.14 feet below measuring point
Pumping Water Level	69.83 feet below measuring point (@ 6.5 hours)
Drawdown	4.69 feet (@ 6.5 hours)
Specific Capacity	5.34 gallons per minute per foot of drawdown (@ 6.5 hours)
Well Open Interval	280-340 feet below ground level
Transmissivity	2,700-4,500 gallons per day per foot
Storage Coefficient	0.0001 (estimated)

E-23-012P Water Quality

CUWCD analyzed two water samples collected from well E-23-012P. One sample was collected during the "early" part of the pumping test while the second sample was collected at the end of the pumping test. While CUWCD is not a certified laboratory, the water quality results provide an indication of the suitability of the groundwater for public consumption. Attachment 2 contains copies of the CUWCD water analysis results.



The quality of water from the local Edwards (BFZ) Aquifer appears to be generally suitable for public consumption except for fluoride concentrations which exceed the primary drinking water standard. The Environmental Protection Agency's Safe Drinking Water Act standard for fluoride is 4.0 milligrams per liter (mg/L) and the concentration in each of the samples exceeded this value. Without treatment, the groundwater from the local aquifer does not meet public drinking water standards.

Projected Long-Term Groundwater Availability

The proposed subdivision includes three tracts using less than 100,000 gallons per year each. To assess the predicted water level decline associated with the projected demand, we used a representative transmissivity value of approximately 3,000 gpd/ft (specifically, 400 square feet per day) with the estimated storage coefficient of 0.0001. Using the Theis equation¹, which relates water level decline (that is, drawdown) to the pumping rate of a well and properties of the aquifer, we calculated drawdown would be less than one foot after one year. With fluctuations in water level of more than 50 feet that occur within the local Edwards (BFZ) Aquifer (for example, see CUWCD well M-08-002G), there is sufficient groundwater available to meet projected demands.

Projected Effect on Existing Wells

While the Theis equation does not account for aquifer conditions which may affect the calculation of long-term water level declines (for example: aquifer recharge, faulting, or changes in aquifer structure), it does provide a very good, reliable, and straightforward method for estimating relatively short-term drawdown in and near a well due to pumping. As mentioned above, to assess the potential effects from the proposed production on nearby wells, we applied values determined from the pumping test conducted using E-23-012P. Figure 1 illustrates the location of the proposed wells and existing or permitted wells completed in the Edwards (BFZ) Aquifer within one mile of the proposed wells.

Table 2 presents the calculated drawdown at the proposed wells and the nearby wells completed in the same aquifer. For 1-Day Drawdown, we applied the proposed instantaneous pumping rate for a period of 24 hours. For 30-Day Drawdown, we assumed peak pumping during the summer of 15 percent more than the average monthly amount (that is, the proposed annual production

¹ Theis, C.V., 1935, The Relation Between the Lowering of the Piezometric Surface and the Rate and Duration of Discharge of a Well Using Ground-Water Storage: American Geophysical Union Transactions, v. 16, p. 519-524.



rate divided by 12 then multiplied by 1.15). For 1-Year Drawdown, we used the proposed annual production amount.

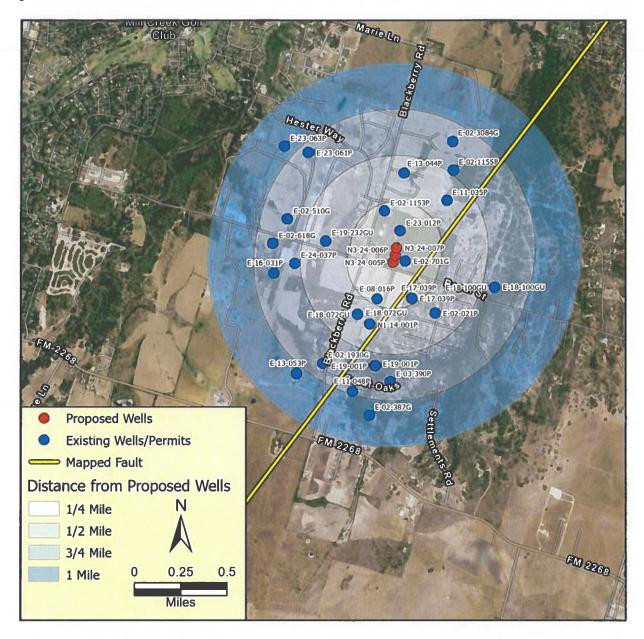


Figure 1. The proposed wells and existing or permitted CUWCD Edwards (BFZ) wells.



Table 2. Calculated drawdown at the proposed and nearby Edwards (BFZ) wells based on an annual production rate of 0.3 acre-feet per year from each proposed well with instantaneous production of 10 gallons per minute per well.

CUWCD Well ID	Distance from Proposed Wells (feet)	1-Day Drawdown (feet)	30-Day Drawdown (feet)	1-Year Drawdown (feet)
N3-24-005P	_	10	Negligible	Negligible
N3-24-006P	_	10	Negligible	Negligible
N3-24-007P	<u> </u>	10	Negligible	Negligible
E-02-701G	326-450	5	Negligible	Negligible
E-23-012P	491-920	3	Negligible	Negligible
E-02-1153P	1,105-1,490	2	Negligible	Negligible
E-17-039P	1,157-1,510	2	Negligible	Negligible
E-08-016P	1,147-1,570	2	Negligible	Negligible
E-11-035P	1,977-2,345	1	Negligible	Negligible
E-19-232GU	2,006-2,017	1	Negligible	Negligible
E-13-044P	2,144-2,571	1	Negligible	Negligible
E-02-021P	1,884-2,170	1	Negligible	Negligible
E-18-072GU	1,802-2,207	1	Negligible	Negligible
N1-14-001P	1,896-2,321	1	Negligible	Negligible
E-02-1155P	2,754-3,153	1	Negligible	Negligible
E-24-037P	2,782-2,913	1	Negligible	Negligible
E-18-100GU	2,995-3,033	1	Negligible	Negligible

The predicted drawdown presented above is based on our current understanding of the aquifer hydraulic properties and the estimated production from the proposed wells. The predicted drawdown values presented do not include the effects from other wells pumping near the proposed wells. Predicted drawdown of less than one foot is considered negligible for analysis purposes due to inherent uncertainty in the aquifer hydraulic characteristics, modeling limitations, and limited effect the drawdown would have on existing groundwater users.

At the proposed production, we anticipate a negligible effect on the aquifer and existing groundwater users. While there is always uncertainty with the future conditions of an aquifer and how long-term production may affect groundwater availability, the projected demand is not expected to inhibit the ability of existing well owners to access the resource.



Conclusions and Recommendations

Based on the site-specific data, the hydraulic properties of the local Edwards (BFZ) Aquifer are sufficient to provide groundwater to wells for the proposed subdivision. The predicted drawdown from the three proposed wells is negligible. Our review of the local aquifer conditions indicates there is sufficient groundwater flow through the local aquifer system to provide 30 years of available groundwater under current production and climatic conditions.

The quality of the groundwater produced from well E-23-012P completed at the site does not appear to meet public drinking water standards. As these wells will not be designated as part of a public water supply system, there is no requirement to treat the water prior to use. However, future users of the water should be aware of the health risks associated with fluoride concentrations which appear to be above the primary maximum contaminant level. We recommend obtaining a sample for analysis by a certified laboratory to assess treatment requirements. We also recommend each future user install a home treatment system to reduce fluoride concentrations prior to consuming water from the local aquifer.

Thank you for the opportunity to provide our review of the applications for the proposed wells. If you have any questions, please let us know.

OF

Geoscientist Seal

This report documents the work of the following licensed professional geoscientist with KT Groundwater, a licensed professional geoscientist firm in the State of Texas (License No. 50705).

Michael R. Keester, P.G.

Principal

MICHAEL R. KEESTER

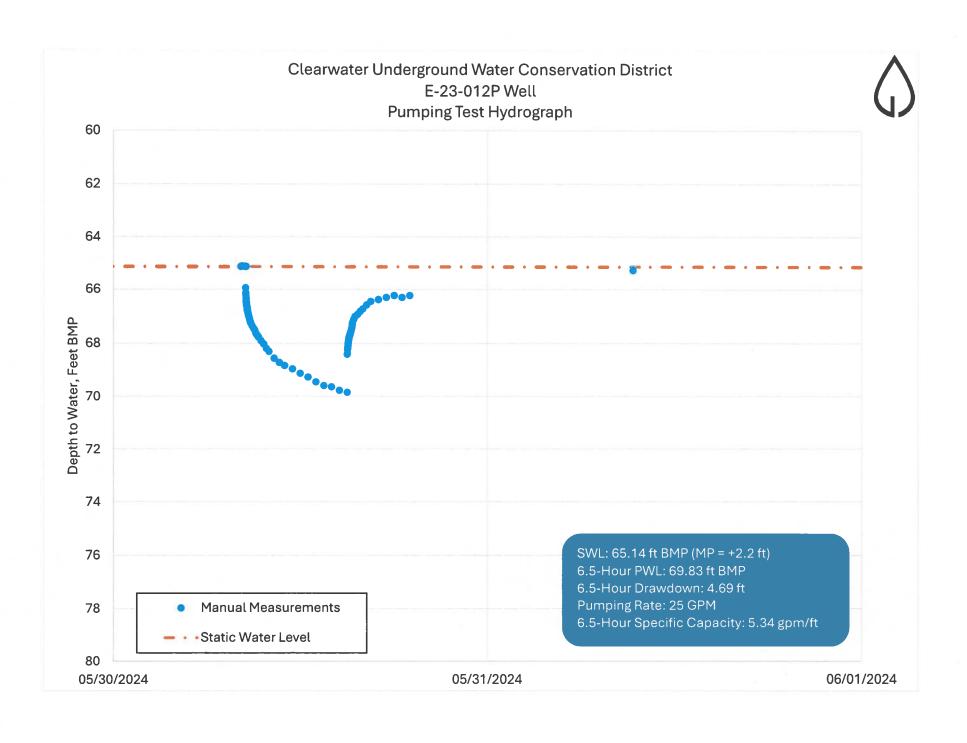
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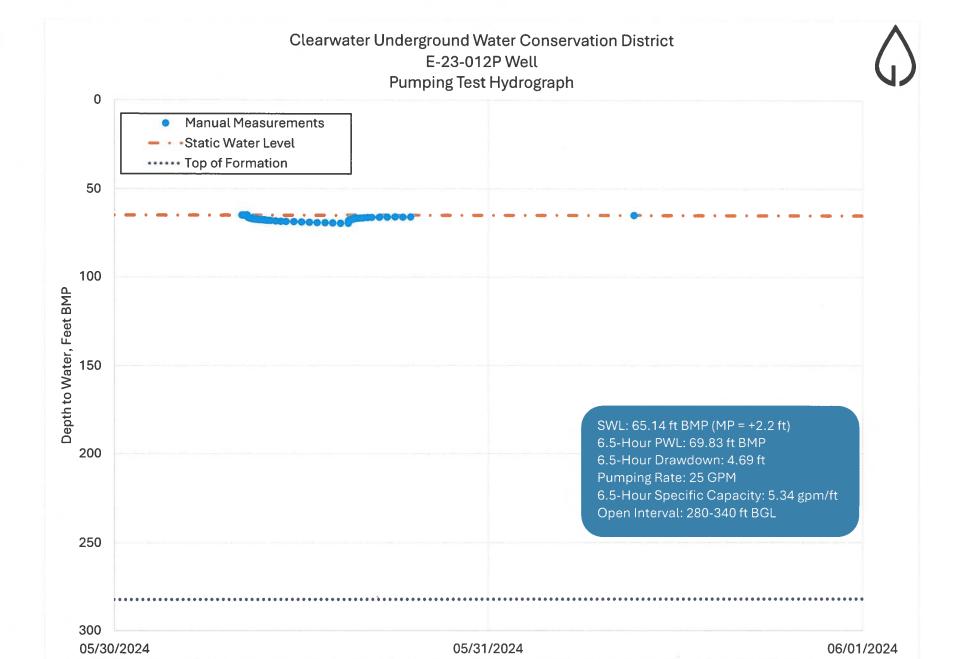
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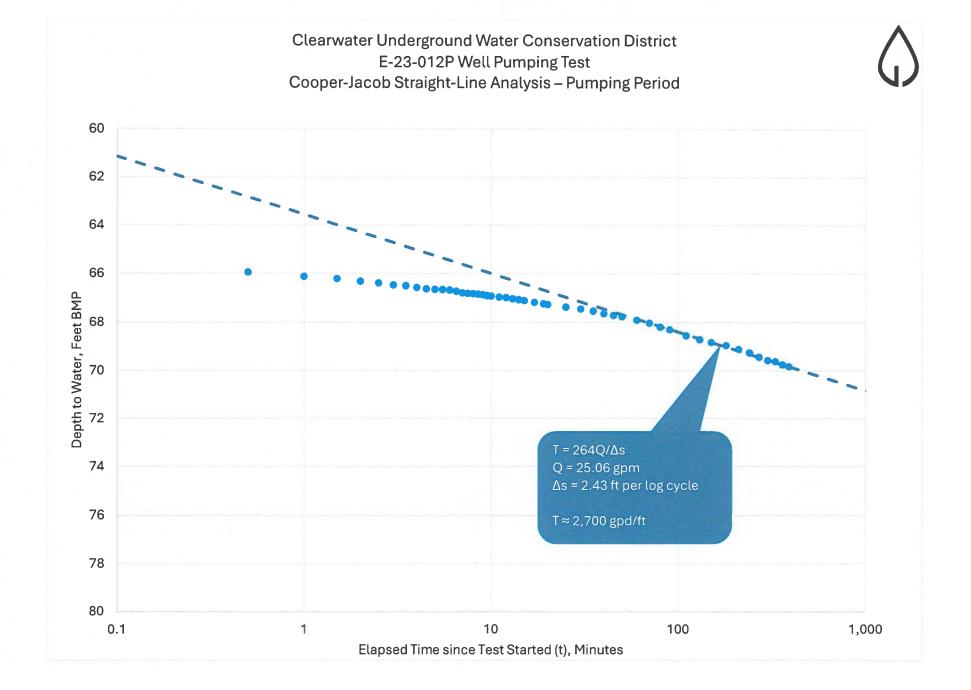


Attachment 1 – E-23-012P Pumping Test Charts



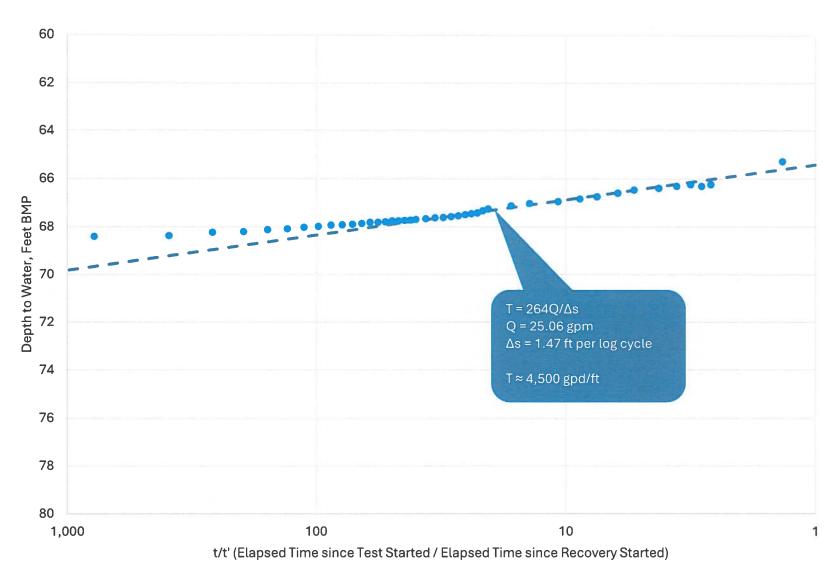






Clearwater Underground Water Conservation District E-23-012P Well Pumping Test Cooper-Jacob Straight-Line Analysis – Recovery Period





Attachment 2 – E-23-012P Water Quality Assessment Results





Water Quality Assessment Results

Created: June 3rd 2024, 3:59pm

The Clearwater Underground Water Conservation District (CUWCD or District) provides in-house screening for some of the most common parameters for drinking water. Please note that the CUWCD LAB IS NOT A CERTIFIED LABORATORY. This screening is offered as a convenience to registered well owners in Bell County and is provided for informative purposes only. The District disclaims any liability for this screening and the accuracy of any analysis. The water quality analytical results from different faucets, taken at different times or analyzed by a certified laboratory may be different from CUWCD analysis of water from the same well. Please contact our office if you would like information regarding laboratories that are certified for chemical/microbiological testing of drinking water.

Michael Linnemann Phone Number: 254-535-6186

michael@linnemannrealty.com Mailing Address: 2205 Sunrise Dr Belton TX 76513 Email:

CUWCD Well Number: E-23-012P		<u>Aquifer:</u>	Edwards (BFZ)
PARAMETER RESULTS		Test Date:	05/31/2024, 1:30 PM
<u>Coliform Bacteria</u> Not Teste	d		
<u>Ecoli</u> Not Teste	d		
R	esults	Drinking Water S	tandard *
Conductivity (µS/cm)	1772	none	
**Total Dissolved Solids (mg/L)	889	1,000 mg/L (s	econdary)
Salinity (mg/L)	890	500 mg/L (se	condary)
<u>pH</u>	8.5	6.5 - 8.5 (seco	ondary)
Sodium Ion (mg/L)	27.8	none	
Alkalinity (as CaCO3)	320	none	
Hardness (as CaCO3)	160	none	
Nitrite (as N)(mg/L)	0.004	1 mg/L (prima	ry)
Nitrate (as N)(mg/L)	0.8	10 mg/L (prim	nary)
Phosphate (mg/L)	1.22	none	
Sulfate (mg/L)	247	300 mg/L (se	condary)
Fluoride (mg/L)	5.75	4.0 mg/L (pri	mary)
<u>Chloride (mg/L)</u>	194	250 mg/L (see	condary)
Calcium (mg/L)	16.1	none	
Magnesium (mg/L)	16.7	none	
Calcium Carbonate (CaCO3)	109	none	
Comments			
Early pump test sample.			

st The concentrations of analytical parameters in milligrams per liter (mg/L) refer to the Drinking Water Standards for public water supply systems established by the United States Environmental Protection Agency (EPA) and Texas Commission on Environmental Quality (TCEQ). Primary standards are the enforceable maximum allowable concentration for each parameter to maintain health. Secondary standards are non-enforceable guidelines for the cosmetic or esthetic quality of drinking water. These standards do not apply to private water wells but are useful in assessing water quality. Details on EPA and TCEQ drinking water standards are available at: http://www.epa.gov/safewater/mcl.html#mcls & http://www.tnrcc.state.tx.us/oprd/rules/pdflib/290_ind.pdf

P.O. Box 1989 **Belton TX 76513** Phone: 254-933-0120 Fax: 254/933-8396 www.cuwcd.org

^{**} The Total Dissolved Solids value reported is calculated from the Conductivity measured in the analysis. This TDS value should be considered as an "apparent" value and may have limited accuracy when compared to values reported by certified laboratories, accuracy range may be + or - 25 percent.



Water Quality Assessment Results

Created: June 3rd 2024, 4:00pm

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michael@linnemannrealty.com Mailing Address: 2205 Sunrise Dr Belton TX 76513 Email:

CUWCD Well Number: E-23-012P		<u>Aquifer:</u>	Edwards (BFZ)
PARAMETER RESULTS		Test Date:	05/31/2024, 1:35 PM
<u>Coliform Bacteria</u> Not Tes	ted		
<u>Ecoli</u> Not Tes	ted		
	Results	Drinking Water S	tandard *
Conductivity (µS/cm)	1759	none	
**Total Dissolved Solids (mg/L)	884	1,000 mg/L (s	econdary)
Salinity (mg/L)	890	500 mg/L (se	condary)
<u>рН</u>	8.54	6.5 - 8.5 (seco	ondary)
Sodium Ion (mg/L)	30.1	none	
Alkalinity (as CaCO3)	340	none	
Hardness (as CaCO3)	160	none	
Nitrite (as N)(mg/L)	0	1 mg/L (prima	nry)
<u>Nitrate (as N)(mg/L)</u>	2.7	10 mg/L (prin	nary)
Phosphate (mg/L)	1.31	none	
Sulfate (mg/L)	232	300 mg/L (se	condary)
<u>Fluoride (mg/L)</u>	6.1	4.0 mg/L (pri	mary)
<u>Chloride (mg/L)</u>	184	250 mg/L (se	condary)
Calcium (mg/L)	15.2	none	
<u>Magnesium (mg/L)</u>	16.8	none	
Calcium Carbonate (CaCO3)	107	none	
<u>Comments</u>			
End pump test sample			

^{*} The concentrations of analytical parameters in milligrams per liter (mg/L) refer to the Drinking Water Standards for public water supply systems established by the United States Environmental Protection Agency (EPA) and Texas Commission on Environmental Quality (TCEQ). Primary standards are the enforceable maximum allowable concentration for each parameter to maintain health. Secondary standards are non-enforceable guidelines for the cosmetic or esthetic quality of drinking water. These standards do not apply to private water wells but are useful in assessing water quality. Details on EPA and TCEQ drinking water standards are available at: http://www.epa.gov/safewater/mcl.html#mcls & http://www.tnrcc.state.tx.us/oprd/rules/pdflib/290_ind.pdf

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^{**} The Total Dissolved Solids value reported is calculated from the Conductivity measured in the analysis. This TDS value should be considered as an "apparent" value and may have limited accuracy when compared to values reported by certified laboratories, accuracy range may be + or - 25 percent.



Water Quality Assessment What are the parameters being assessed?

The parameters available for analysis are described for information purposes. District Staff will analysis all of the following parameters. District provides ongoing screening "free of charge" for all registered wells in the District upon request.*

Coliform Bacteria - A family of bacteria common in soils, plants and animals. The presence/absence test only indicates if coliform bacteria are present. No distinction is made on the origin of the coliform bacteria. A positive result warrants further analysis, an inspection of the well integrity and well/water system disinfection. Coliform bacteria should not be present under the federal drinking water standard.

Conductivity - Conductivity measures the ability of water to conduct an electric current and is useful to quickly assess water quality. Conductivity increases with the number of dissolved ions in the water but is affected by temperature and the specific ions in solution. High conductivity or large changes may warrant further analysis. There is no EPA or TCEQ drinking water standard for conductivity.

Total Dissolved Solids (TDS) - Refers to dissolved minerals (ions) and is a good general indicator of water quality. The value reported for this parameter is calculated by the conductivity meter as a function of the conductivity value and may not account for all the factors affecting the Conductivity-TDS relationship. TDS values reported by CUWCD should be considered as "apparent". The accuracy may range approximately +/-25 percent from values reported by certified laboratories. The TCEQ secondary drinking water standard for TDS is 1000 mg/L. Water is considered fresh if TDS is 1000 mg/L or less

Salinity - Salinity is the amount of salts that are dissolved in groundwater, and is similar to the Total Dissolved Solids (TDS). The TCEQ secondary drinking water standard if 500 mg/L.

pH - The pH of water is a measure of the concentration of hydrogen ions. pH is expressed on a scale from 1 to 14, with 1 being most acidic, 7 neutral and 14 being the most basic or alkaline. The pH of drinking water should be between 6.5 and 8.5 to meet the federal secondary drinking water standard.

Sodium Ion - For most people, sodium in water does not present a substantial health risk, because the level obtained from water is much less than from the diet. However, certain individuals may be placed on low sodium diets (<1500 mg/d) due to heart, kidney, or blood pressure conditions. There is no EPA or TCEQ drinking water standard for Sodium.

Alkalinity (as CaCO3) - Alkalinity does not refer to pH, but instead refers to the ability of water to resist change in pH and may be due to dissolved bicarbonates. Low water alkalinity may cause corrosion; high alkalinity may cause scale formation. There is no EPA or TCEQ drinking water standard for alkalinity.

Hardness (as CaCO3) - "Hard" water may be indicated by large amounts of soap required to form suds and scale deposits in pipes and water heaters. Hardness is caused by calcium, magnesium, manganese or iron in the form of bicarbonates, carbonates, sulfates or chlorides

Nitrate/Nitrite - Nitrate and Nitrite are of special concern to infants and can cause "blue baby" syndrome. The federal drinking water standard for nitrate is 10 mg/L. The federal drinking water standard for nitrite is 1 mg/L. Nitrate or nitrite may indicate an impact from sewage, fertilizer or animal waste.

Phosphate - Phosphates may indicate impact from laundering agents. Testing for phosphates provides a general indicator of water quality. There is no EPA or TCEQ drinking water standard for phosphate.

Sulfate - Sulfate compounds are many of the dissolved salts found in groundwater. Sulfate can produce laxative effects, bad taste or smell. The TCEQ secondary drinking water standard for sulfate is 300 mg/L.

Fluoride - Fluoride may occur naturally and is sometimes added to drinking water to promote strong teeth. Fluoride may stain children's teeth. The federal drinking water standard for fluoride is 4.0 mg/L.

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Chloride - Consuming drinking water containing chloride is not harmful to health. High amounts of chloride can give a salty taste to water and can corrode pipes, pumps, and plumbing fixtures. The TCEQ secondary drinking water standard for Chloride is 250 mg/L.

Calcium - Calcium naturally occurs in water, which dissolves it from soils. It is an essential nutrient and is considered beneficial to health, but most calcium comes from the diet. There is no EPA or TCEQ drinking water standard for Calcium.

Magnesium - Magnesium naturally occurs in water, which dissolves it from soils or dolomite rock. It is an essential nutrient and is considered beneficial to health, but most magnesium comes from the diet. There is no EPA or TCEQ drinking water standard for Magnesium.

Calcium Carbonate (CaCO3) - CaCO3 is used as the measurement of hardness in water. 0-60 mg/L is considered soft, 61-120 mg/L is moderately hard, 121-180 mg/L is hard, and more than 180 mg/L is very hard. Hard water can cause mineral buildup in plumbing, fixtures, and water heaters and contributes to poor performance of soaps and detergents. There is no EPA or TCEQ drinking water standard for Calcium Carbonate.

*Note: The concentrations of analytical parameters in milligrams per liter (mg/L) given below refer to the Federal Drinking Water Standards for public water supply systems established by the United States Environmental Protection Agency (EPA). The EPA has established primary and secondary standards for drinking water. Primary standards are the enforceable maximum allowable concentration for each parameter to maintain health. Secondary standards are non -enforceable guidelines for the cosmetic or esthetic quality of drinking water. These standards do not apply to private water wells but are useful in assessing water quality. Details on EPA drinking water standards are available at: http://www.epa.gov/safewater/mcl.html#mcls The Texas Commission on Environmental Quality (TCEQ) enforces drinking water standards in Texas and has adopted secondary standards that in some cases may differ from the EPA secondary standards.

Details are available at: http://www.tnrcc.state.tx.us/oprd/rules/pdflib/290_ind.pdf

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Attachment 3 – Certification of Groundwater Availability for Platting Form





CERTIFICATION OF GROUNDWATER AVAILABILITY FOR PLATTING FORM

Title 30 Texas Administrative Code (TAC), Section 230.4 (30 TAC 230.4)

Use of this form: The municipal authority pursuant to Texas Local Government Code (TLGC) 212.0101, or a county authority pursuant to TLGC 232.0032, the plat applicant and the Texas licensed professional engineer or Texas licensed professional geoscientist must use this form based on the requirements of 30 TAC Chapter 230 to certify that adequate groundwater is available under the land to be subdivided (if the source of water for the subdivision is groundwater under the subdivision) for any subdivision subject to platting under TLGC 212.004 and 232.001. The form and 30 TAC 230 do not replace state requirements applicable to public drinking water supply systems or the authority of counties or groundwater conservations districts under either Texas Water Code (TWC) 35.019 or TWC Chapter 36.

For any questions regarding this form, contact the TCEQ Water Availability Division, Groundwater Planning and Assessment Team at **gpat@tceq.texas.gov** or by phone at **(512) 239-4600.**



CERTIFICATION OF GROUNDWATER AVAILABILITY FOR PLATTING FORM

Administrative Information, 30 TAC 230.4

1.	Name of Proposed Subdivision: Hawks Landing
2.	Any Previous Name that Identifies the Tract of Land
	Thy frevious fame that racinities the fract of Land
3.	Property Owner's Name(s): Mel3 LLC
	Address: 3402 S WS YOUNG DR KILLEEN, TX 76542
	Phone: 254-535-6156
	Email:michael@linnemannrealty.com
4.	Plat Applicant's Name: Michael Linnemann
	Address: 2205 Sunrise Dr, Belton, TX 76513
	Phone: 254-535-6156
	Email:michael@linnemannrealty.com
5.	Licensed Professional Engineer or Geoscientist's Information
	Name: Michael Keester
	Address: 2804 Paradise Ridge Cove, Round Rock, TX 78665
	Phone: 512-621-7237
	Email:mike@ktgroundwater.com
	Certificate / License Number: 10331
6.	Location and Property Description of Proposed Subdivision:
	3590 ROYAL ST SALADO, TX 76571 Legal Description: A0554BC F MADREGAL, 57-4, ACRES 17.0
7.	Tax Assessor Parcel Number(s).
	Book:
	Map:
	Parcel: 73492
Prop	posed Subdivision Information, 30 TAC 230.5
8.	Purpose of Proposed Subdivision (single family/multi-family residential, non-
	residential, commercial, other): Single family
	If "Other," explain:

TCEQ Certification Form: Groundwater Availability for Platting

9.	Size of Proposed Subdivision (in acres): 17
10.	Number of Proposed Lots: 4
11.	Average Size of Proposed Lots (in acres): 4.25 (10.58 + 3 x 2.14)
12.	Anticipated Method of Water Distribution (check YES for all that apply):
	Expansion of Existing Public Water Supply System (PWS): YES V NO
	New (Proposed) PWS: ☐YES ☑NO
	Individual Water Wells to Serve Individual Lots: ☑YES ☐NO
	Combination of Methods: ☐ YES (Describe methods below) ☑ NO
13.	Additional Information, if required by the municipal or county authority:
	Note: If PWS is anticipated, a written application for service for existing water
	providers with a one-half mile radius must be attached to this form (30 TAC
	230.5(f)). Indicate "YES" if the above-mentioned application for service for existing water providers is attached, or N/A if not applicable: □YES ☑N/A
	Existing water providers is attached, or 17/11 not applicable.
<u>Proje</u>	cted Water Demand Estimate, 30 TAC 230.6
14.	Residential Water Demand estimate at Full Build Out (includes both single
	family and multi-family residential): 1.2 acre-feet per year
	a. Number of Proposed Housing Units (single and multi-family):
	b. Average Number of Persons Per Housing Unit:3
	c. Volume of Water Required Per Person Per Day (gallons): ⁸⁹
	d. Water Demand Per Housing Unit Per Year (acre-feet): 0.3
	e. Total Expected Residential Water Demand Per Year (acre-feet): 1.2
15.	Non-Residential Water Demand Estimate at Full Build-Out (acre-feet/year):
	a. Type(s) of Non-Residential Water Use(s):
	b. Water Demand Per Type Per Year (acre-feet):
16.	Total Water Demand Estimate at Full Build-Out (acre-feet/year): 1.2
17.	Sources of Information Used for Demand Estimates:
	Combination permit applications to CUWCD for individual wells

General Groundwater Resource Information, 30 TAC 230.7

18.	proposed subdivision:				
	Edwards (BFZ) Aquifer	7			
	Note: Users may refer to the most recent State Water Plan to obtain general information pertaining to the state's aquifers. The State Water Plan is available on the TWDB's webpage at: https://www.twdb.texas.gov/waterplanning/swp/index.asp				
<u>Obtai</u>	ining Site-Specific Groundwater Data, 30 TAC 230.8				
Answ	er by checking YES or NO for each of the following questions:				
19.	Have all known existing, abandoned, and inoperative wells within the proposed subdivision been located, identified, and shown on the plat as required under 30 TAC 230.8(b)? ☐YES ✓NO				
20.	Were the geologic and groundwater resource factors identified under 30 TAC 230.7(b) considered in planning and designing the aquifer test required under 30 TAC 230.8(c)? ☐ NO				
21.	Have test and observation wells been located, drilled, logged, completed, developed, and shown on the plat as required by 30 TAC 230.8(c)(1) - (4)? ☐YES ☑NO				
22.	Have all reasonable precautions been taken to ensure that contaminants do not reach the subsurface environment and that undesirable groundwater has been confined to the zone(s) of origin (30 TAC 230.8(c)(5))? $\boxed{\ }$ YES $\boxed{\ }$ NO				
23.	Has an aquifer test been conducted which meets the requirements of 30 TAC 230.8(c)(1) and (6)? ☐YES ☑NO				
24.	Were existing wells or previous aquifer test data used?				
25.	If yes, did they meet the requirements of 30 TAC 230.8(c)(7)? ☐YES ☑NO				
26.	Were additional observation wells or aquifer testing utilized? \square YES \square NO				
	Note : If expansion of an existing public water supply system or a new public water supply system is the anticipated method of water distribution for the proposed subdivision, site-specific groundwater data shall be developed under the requirements of 30 TAC, Chapter 290, Subchapter D (relating to Rules and Regulations for Public Water Systems) and the applicable information and correspondence developed in meeting those requirements shall be attached to this form pursuant to 30 TAC 230.8(a).				

Determination of Groundwater Quality, 30 TAC 230.9

27.	Have water quality samples been collected as required by 30 TAC 230.9? ☑YES ☐NO
28.	Has a water quality analysis been performed which meets the requirements of 30 TAC 230.9? ☐YES ☑NO
<u>Dete</u>	rmination of Groundwater Availability, 30 TAC 230.10
29.	Have the aquifer parameters required by 30 TAC 230.10(c) been determined? ☑YES ☐NO
30.	If YES, provide the aquifer parameters as determined, including units as applicable. Or, check here if a. through i. below are not applicable: $\square N/A$
	a. Rate of yield and drawdown: 25 gpm; 4.69 feet
	b. Specific capacity: 5.34 gpm/ft
	c. Efficiency of the pumped well. 100
	d. Transmissivity: 2,700-4,500 gpd/ft
	e. Coefficient of storage: 0.0001
	f. Hydraulic conductivity: 6-10 ft/d
	g. Were any recharge or barrier boundaries detected? ☐YES ☑NO
	If YES, please describe:
	h. Thickness of aquifer(s): 60
31.	Have time-drawdown determinations been calculated as required under 30 TAC 230.10(d)(1)? \square YES \square NO
32.	Have distance-drawdown determinations been calculated as required under 30 TAC 230.10(d)(2)? \square YES \square NO
33.	Have well interference determinations been made as required under 30 TAC 230.10(d)(3)? \square YES \square NO
34.	Has the water quality analysis required under Section 230.9 of this title been compared to primary and secondary public drinking water standards as required under 30 TAC 230.10(e)? ☐YES ☐NO
35.	Does the concentration of any analyzed constituent exceed the standards? ☑YES □NO
	If YES, list the constituent(s) and concentration(s) that exceed standards:
	Fluoride: 6 mg/L

Comj	ndwater Availability and Usability Statements, 30 TAC 230.11(a) and (b) blete the following by filling in the blanks or answering YES/NO as cable:
36.	Drawdown of the aquifer at the pumped well(s) is estimated to be feet over a ten-year period and feet over a 30-year period.
37.	Drawdown of the aquifer at the property boundary is estimated to be feet over a ten-year period and feet over a 30-year period.
38.	The distance from the pumped well(s) to the outer edges of the cone(s)-of-depression is estimated to be <300 ft feet over a ten-year period and <300 ft feet over a 30-year period.
39.	The recommended minimum spacing limit between wells is 500 feet with a recommended well yield of 10 gallons per minute per well.
40.	Available groundwater is of sufficient quality to meet the intended use of the platted subdivision. \square YES \square NO
41.	The groundwater availability determination does not consider the following conditions (identify any assumptions or uncertainties that are inherent in the groundwater availability determination):
	Changes in future production from the aquifer or changes in climatic conditions.
Cert	fication of Groundwater Availability, 30 TAC 230.11(c)
	be signed by a Texas Licensed Professional Engineer or a Texas used Professional Geoscientist.
42.	I, Michael Keeseter , a
Signa Date	Texas Licensed Professional Engineer, Texas Licensed Professional Geoscientist, license number 10331, based on best professional judgment, current groundwater conditions, and the information developed and presented in this form, certify that adequate groundwater is available to the underlying aquifer(s) to supply the anticipated use of the professional judgment, current groundwater conditions, and the information developed and presented in this form, certify that adequate groundwater is available to the underlying aquifer(s) to supply the anticipated use of the professional judgment, current groundwater conditions, and the information developed and presented in this form, certify that adequate groundwater is available to the underlying aquifer(s) to supply the anticipated use of the professional judgment, current groundwater conditions, and the information developed and presented in this form, certify that adequate groundwater is available to the underlying aquifer(s) to supply the anticipated use of the professional judgment, current groundwater is available to the underlying aguifer(s) to supply the anticipated use of the professional judgment, current groundwater is available to the underlying aguifer(s) to supply the anticipated use of the professional judgment, current groundwater is available to the underlying aguifer(s) to supply the anticipated use of the professional judgment groundwater is available to the underlying aguifer(s) to supply the anticipated use of the professional judgment groundwater is available to the underlying aguifer(s) to supply the anticipated use of the professional judgment groundwater groundwater is available to the underlying aguifer(s) to supply the anticipated use of the professional judgment groundwater groundwate
	CENSED STATES

This certification is based on a modified assessment per an agreement between Bell County and the Clearwater Underground Water Conservation District for small subdivisions. The certification is based on the District's extensive research and knowledge of the aquifer system along with site-specific testing. The information in this certification form should not be considered apart from the information contained in the accompanying technical memorandum.

CUWCD Edwards BFZ Aquifer Status Report Item #7

Edwards (BFZ) Aquifer Status Report - July 2024

	<u>DFC Analysis Over Time</u> (2000-Present) Modeled Available Groundwater				nd OP Permi Relative to the d Available Gro		2024 YTD Prod. Jan - Jun 713.58 Ac-ft 29.01%	Pending A	Applications	<u>Exempt</u>	Exempt Well Reservations			
	DFC Adopted * Minimum Spring Flow	Status of DFC ** Current / Low	MAG *** Ac-ft	HEUP Ac-ft	OP Ac-ft	Total Permitted Ac-ft	2023 Actual Production	Available for Permitting Ac-ft	Pending Applications Ac-ft	Exempt Well Reservation Ac-ft	Exempt Well Use Estimation Ac-ft	Available Exempt Use Ac-ft		
Edwards (BFZ) Aquifer	100 Ac-ft per month or 1.68 cfs	2688.40 Ac-ft 7/02/2024 vs 220 Ac-ft 08/20/2014	6469	2139.20	320.44	2459.64	1754.63 Ac-ft 71.33%	3184.92	500	825	365	460		

*Desired Future Conditions (DFC) established by Clearwater UWCD and approved by GMA8 and TWBD, is the description of how the aquifer should look in the future (50 years based on maintaining the Salado Spring Complex **Status of the Exhausted Groundwater (MAG) is the estimated amount of water available for permitting assigned to Clearwater (MAG) is the estimated amount of TWDB, based on the desired full assigned to Clearwater (MAG) is the estimated amount of TWDB, based on the desired full conditions.

7KX Investments N2-19-005P (500 ac-ft/vr) Michael Linnemann N3-24-005P (0.3 ac-ft/yr) Michael Linnemann N3-24-006P (0.3 ac-ft/yr) Michael Linnemann N3-24-007P (0.3 oc-ft/yr)



CFS is measured continuously at the downstream gage with USGS developing the rating curve according to industry standards and maintaining the information for public access on

5 - day average for June 27^{th} - July 2^{nd} was 45.18 CFS = 2688.40 ac-ft/month

5 - day average for June 5^{th} – June 9^{th} was 39.48 CFS = 2349.23 ac-ft/month

Clearwater UWCD Status Report - July 10, 2024

CUWCD 2023 Exempt Well Estimate of Use Report Item #7

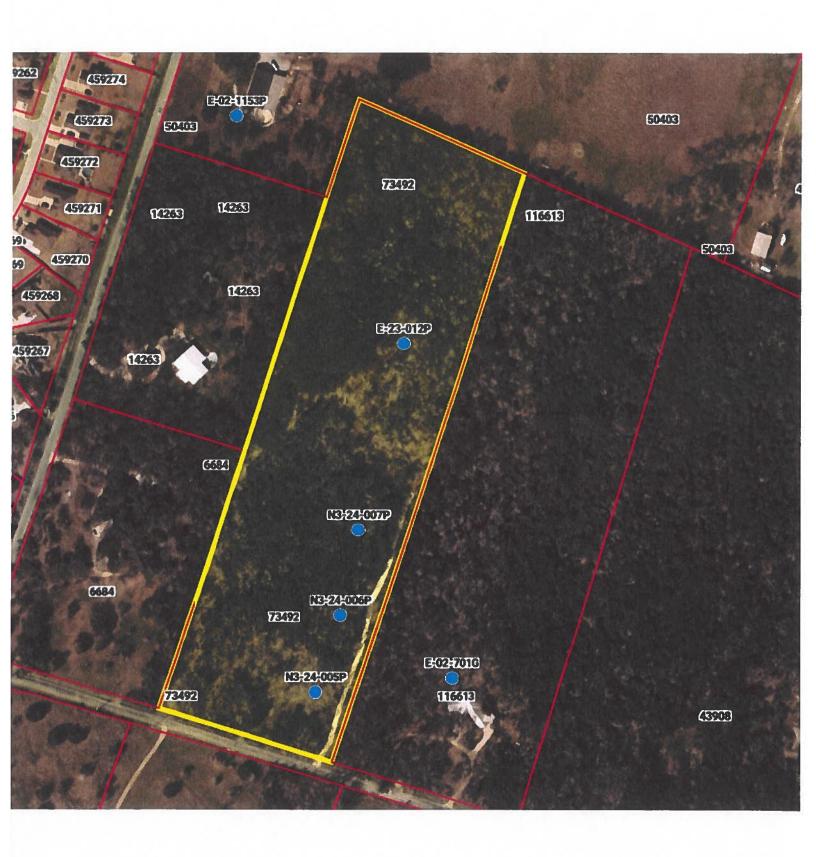


CUWCD Exempt Well Use Summary

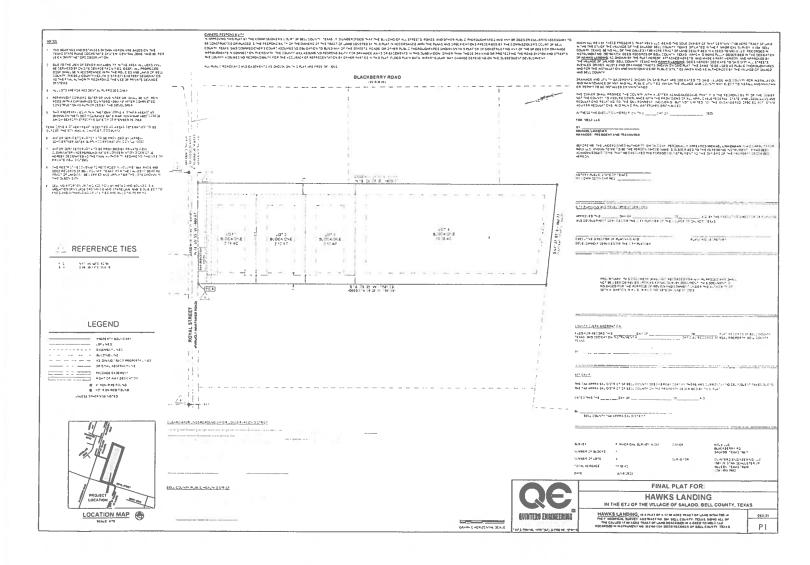
Aquifer	Total Active Registered Exempt Wells ³	Registered Domestic Wells	Estimated Domestic Use Gallons/Day ^{1,2}	Estimated Domestic Use Ac- ft/Year ^{1,2}	Registered Stock Wells	Estimated Stock Use Gallons/Day ⁴	Estimated Stock Use Ac-ft/Year4	Total Estimated Use Gallons/Day	Total Estimated Exempt Well Use Ac-ft/Year ⁷	MAG Reserved Exmpt
Glen Rose (Upper Trinity)	428	350	102,398	115	78	67,392	75	169,788	190	Well Use
Hensell (Middle Trinity)	993	931	423, 297	474	62	53,568	60	476,865	534	11011 030
Hosston (Lower Trinity)	162	151	44,177	49	11	9,504	11	53,681	60	
Trinity (Total)	1.583	1,432	569,870	638	151	130,464	146	700,334	784	1,41
Edwards BFZ	855	723	211,521	237	132	114,048	128	325,569	365	82
Edwards Equivalent	485	386	112,928	126	99	85,536	96	198,464	222	TO SHOW SHOW
Buda	28	15	4,388	5	13	11,232	13	15,620	17	
Lake Waco	8	3	878	1	5	4,320	5	5,198	6	
Austin Chalk	226	141	41,251	46	85	73,440	82	114,691	128	
Ozan	161	114	33,352	37	47	40,608	45	73,960	83	2007
Pecan Gap	67	44	12,873	14	23	19,872	22	32,745	37	
Kemp	15		3,218	4	4	3,456	4	6,674	7	
Alluvium	585	377	110,295	124	208	179,712	201	290,007	325	10.5
Other	1,575	1,091	319.183	358	484	418,176	468	737.359	826	
CUWCD Total Active	4,013	3,248	1,100,574	1,233	767	662,688	742	1,763,262	1,975	A STREET

- 1. Domestic use estimate assumes 106 gallons/person per day (USGS estimate of domestic use outside of a municipal water system) and 2.76 persons/household (U.S. Census Bureau, Population Estimates Program (PEP) July 1, 2019)
- 2. Benjamin G. Wherley, Ph.D. Associate Professor- Turfgrass Science & Ecology Dept. of Soil and Crop Sciences Texas A&M University estimate of 2,000ft² warm season turfgrass requires 38,855gal/yr/lawn or 106gal/day/lawn; "Ranchette" Avg. lawn size is 13,042ft², 6.5X larger; 6.5 X 106gal/day/lawn; 689gal/day/lawn; ~217 "Ranchette" Middle Trinity Wells; 689 X 217=an additional 150,924gal/day/lawn; 490ac-ft/yr or an 89% Increase in Middle Trinity exempt well use from the 2018 estimate of 258ac-ft/yr.
- 3, Exempt well use estimate factors out all plugged, capped, monitor and inactive wells in the database.
- 4. Source of stock water estimates is Texas Agrilife Extension @ 18 gallons water per day per cow. Livestock water use estimates are based on the 2017 Census of Agriculture, USDA National Agricultural Statistics Service. 36,868 cows / 771 stock wells= 48 cows/stock well; 48* 18gpd= 846 gal/day/stock well, 747ac-ft/yr or a 34% increase in annual stock use from the 2018 estimate of 556ac-ft/yr.
- 5. The "Other" designation is the total of minor aquifer and alluvium source designation of the exempt wells.
- 6. Trinity Aquifer wells registered with unknown depth are assigned to the Middle Trinity per Board decision.
- 7. All estimates of groundwater use by exempt well owners is based on assumptions and scientific data, but by no means are they to be interpreted as recommended practices by CUWCD

CUWCD Site Maps Item #7



Hawks Landing 4 tracts on 17 acres



N3-24-005P Non-Exempt Application



Application for Non-Exempt Well Classification 3

N3-24-005P

Check one of the following: COMBINATION PERMIT	Answer the following: Is this for a New Well?	Yes	ONo							
ODRILLING PERMIT	Is this for a Replacement Well?	Yes	No							
OPERATING PERMIT	Do you plan to Export Water Outside District?	Yes	\bigotimes No							
PERMIT AMENDMENT	Are you modifying a Drilling Permit?	O Yes	Θ No							
	Are you modifying an Operating Permit?	OYes	Ø _{No}							
Address (Street/P.O. Box, City, State	AICHNEL • ANNU Email: LINNEMANN REALT. Com e, ZIP): 2205 SUNRISE DR. BELT ON 72 ime the previous owner:	70513								
C. Property Location & Proposed Well Location Owner of Property (if different from Well Owner): The well is located in Management Zone: Acreage: 7 Bell CAD Property ID #: 73492 Latitude: 57,93679 NLongitude: 97,49718										
a. Proposed use of well and estimate *Domestic; ** Public Supply; *Total number of houses to be ser ** Applicant is required to give no water or wastewater service with water or wastewater service with water of the	 Well Description (Submit if State of Texas Well Report is Available) a. Proposed use of well and estimated amount of water, in acre-feet, to be used for each purpose: *Domestic;Livestock/Poultry;Agricultural/Irrigation;** Public Supply;IndustrialOther *Total number of houses to be serviced by the well ** Applicant is required to give notice to TCEQ to obtain or modify a Certificate of Convenience and Necessity to provide water or wastewater service with water obtained pursuant to the requested permit. b. Estimated distance, in feet, from the nearest: N / S Property Line;E / W Property Line;Existing Septic Leach FieldRiver, Stream, or Lake;Existing Water Well;Livestock Enclosure; 									
 c. Estimated Rate of Withdrawal (d. Is the Property subject to flooding e. Is there another well on the property f. Is the well part of a multi-well as 	GPM): ng? perty? ; If YES, how many wells?		_							
REQUIRED BY LAW: Pump Installer / Well Driller Information Name: Street Address: City, State, ZIP: Fax: TDLR Well Driller License #: Phone: Fax:										
Name of Consultant preparing Application (if applicable): Con. Phone: Con. Fax: Con. Email:										

4.	Completion Information										
	Provide the following information to the extent known and available at the time of application:										
	Proposed Total Depth of Well: 450 ft; est										
	Borehole Diameter (Dia):inches (in) from to;										
	Dia (2) in from to;										
	Dia (2) in from to; Casing Material: ; Inside Diameter (ID): in;										
	Screen Type:; Screen Dia in from to; # of Packers:										
	Damen Tyron										
	Pump Depth:; Column Pipe ID: 1/2 in.										
	Date Completed:										
	Proposed Water Bearing Formation: Edwards SFZ; Management Zone: Edwards										
_											
5.	Operating Permit										
	Number of contiguous acres owned or leased on which water is to be produced: 2, 14 acres										
	Total annual production requested with this operating permit: 3 (98,556) acre-feet										
	If exporting water, what is the annual volume requested for export out of the District: O Gallons										
	What is the annual volume requested for export as a % of total pumpage: 0 %										
	If modifying an operating permit, what is the current, permitted annual production:ac-ft										
,	What is the requested amount of annual production:ac-ft										
5.	Attachments										
	Include a statement/documentation explaining your requested production.										
If amending an existing permit, explain the requested amendment and the reason for the amendment in a signed an											
	dated letter, attached to this application.										
	<u>If requesting operating permits or permit renewals for multiple wells</u> , please attach a separate sheet with the information requested in <u>Section 5</u> for each well.										
	If applicant plans to export water outside the District, address the following in an attachment and provide documents relevant to these issues:										
	• The availability of water in the District and in the proposed receiving area during the period requested. • The projected effect of the proposed expert on aguifer conditions, depletion, subsidence on effect of the proposed expert on aguifer conditions, depletion, subsidence on effect of the proposed expert on aguifer conditions, depletion, subsidence on effect of the proposed expert on aguifer conditions, depletion, subsidence on effect of the proposed expert on aguifer conditions, depletion, subsidence on effect of the proposed expert on aguifer conditions, depletion, subsidence on the proposed expert on aguifer conditions.										
	• The projected effect of the proposed export on aquifer conditions, depletion, subsidence, or effects on existing permit holders or other groundwater users within the District										
	 How the proposed export is consistent with the approved regional water plan and certified District Management Plan 										
	For more attachments that may be needed, please see the Full Summary of the Permit Application Process										
	document.										
,	Certification										
•	I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief. I										
	certify to abide by the terms of the District Rules, the District Management Plan, and orders of the Board of										
	Directors. I agree to comply with all District well plugging and capping guidelines as stated in the District Rules.										
	2. 30. 30. 10 comply with an District wen plugging and capping guidelines as stated in the District Rules.										
	Typed Name of the Owner or Designee: MICHAEL LINNEMANN										
	Signature:										





Created: June 21st 2024, 2:52pm

Latitude: 30.936792 Longitude: -97.497187

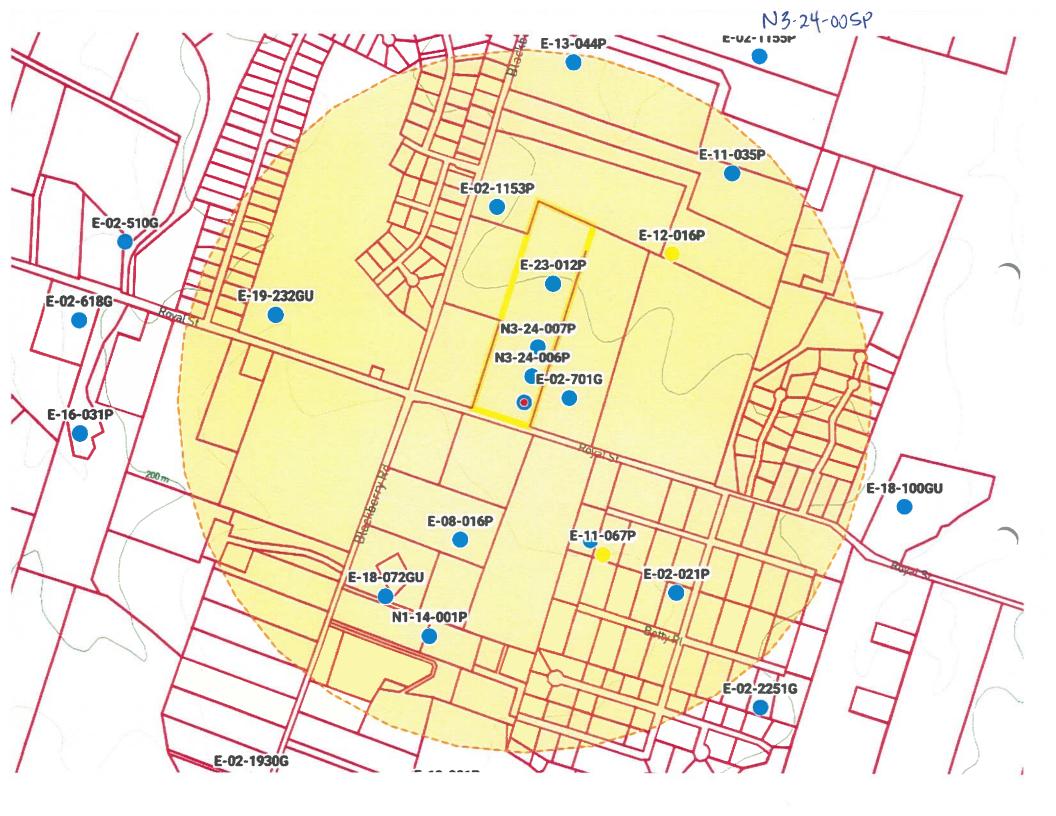
Approximate Ground Surface Elevation:

680.54

Top Elev. (ft)	Bottom Elev. (ft)	Depth to Formation (ft)*	Formation Thickness (ft)*	Formation (Geologic Unit)
679.13	582.03	0	97.11	Austin Chalk
582.03	362.95	97.11	219.07	Del Rio, Georgetown, Main Street & Paw Paw Limestone
362.95	175.43	316.18	187.53	Edwards & Commanche Peak Limestone
175.43	68.14	503.71	107.28	Walnut
68.14	-497.9	610.99	566.04	Glen Rose
-497.9	-510.79	1177.03	12.89	Hensell & Cow Creek Limestone
-510.79	-594.86	1189.92	84.07	Pearsall & Hammett Shale
-594.86	-798.54	1273.99	203.68	Hosston

Depths / Thicknesses are not to scale

Disclaimer: This product is for informational purposes only and has not been prepared for or suitable for legal, engineering, or other purposes. All representations in this irrual bore represent only the approximate relative depths and thicknesses based on geological interpretation and extrapolation of available well data. Additional data may nodify one or more of these formation surfaces. The Clearwater Underground Water Conservation District expressly disclaims any and all liability in connection herewith.



N3-24-005P Contact List

Nells 1/2 Mile

Prop ID	<u>Name</u>	<u>Address</u>	City	<u>State</u>	<u>Zip</u>	Well#	<u>Status</u>	Depth	Aquifer	Use	Distance
73492	MEL3 LLC	3402 S WS Young Dr	Killeen	TX	76542	N3-24-006P	Proposed		Magrapate V	EXHEUR EPO	204 ft
73492	MEL3 LLC	3402 S WS Young Dr	Killeen	TX	76542	N3-24-007P	ROLL OF COMMENT AND COLUMN				430 ft
73492	MEL3 LLC	3402 S WS Young Dr	Killeen	TX	76542	E-23-012P	Active	340	Edwards BFZ	Domestic	916 ft
116613	Donald & Karen Hale	3752 Royal St	Salado	TX	76571	E-02-701G	Active	400	Edwards BFZ	Domestic	346 ft
120229	Charles & Vickie Gerhart	409 San Juan Circle	Salado	TX	76571	E-12-016P	Never Drilled	SERVE	75.55		1582 ft
120230	Darrell & Georgina Motley	12299 Blackberry Rd	Salado	TX	76571	E-11-035P	Active	350	Edwards BFZ	Domestic	2338 ft
50400	Warren & Ashley Isbell	12163 Blackberry Rd	Salado	TX	76571	E-13-044P	Active	320	Edwards BFZ	Domestic	2563 ft
50403	Josh & Stacie Bratton	12399 Blackberry Rd	Salado	TX	76571	E-02-1153P	Active	340	Edwards BFZ	Livestock/Poultry	1486 ft
189081	Vale Building Group	PO Box 460	Florence	TX	76527	E-19-232GU	Abandoned	unknown	Edwards BFZ	Not Used	2009 ft
98825	Michael & Patricia Posvar	13053 Blackberry Rd	Salado	TX	76571	E-08-016P	Active	420	Edwards BFZ	Domestic	1148 ft
18579	John & Judy Rice	PO Box 310	Salado	TX	76571	E-18-072GU	Active	400	Edwards BFZ	Domestic	1804
389946	Karen Duerr	13235 Blackberry Rd	Salado	TX	76571	N1-14-001P	Active	420	Edwards BFZ	Domestic	1894
17034	D'Ann Orr Gotcher	3901 Berry Dr	Salado	TX	76571	E-17-039P	Active	400	Edwards BFZ	Domestic	1159 ft
31309	Randali & Irene Schwertner	3919 Berry Rd	Salado	TX	76571	E-11-067P	Never Drilled				1297 ft
32623	Bruce & Jane Avila	4098 Betty Pl	Salado	TX	76571	E-02-021P	Active	420	Edwards BFZ	Domestic	1845 ft

Adjacent Property

116613	Donald & Karen Hale	3752 Royal St	Salado	TX	76571
684	Gary Bartlett	701 Williams Rd	Salado	TX	76571
14263	Daniel & Lynne Steigerwalt	12657 Blackberry Rd	Salado	TX	76571
148217	Mitchell & Bobbie Hayes	PO Box 677	Salado	TX	76571
60403	Josh & Stacie Bratton	12399 Blackberry Rd	Salado	TX	76571

Mailing List

Name	Address	City	State	Zip
Donald & Karen Hale	3752 Royal St	Salado	TX	76571
Darrell & Georgina Motley	12299 Blackberry Rd	Salado	TX	76571
Warren & Ashley Isbell	12163 Blackberry Rd	Salado	TX	76571
Josh & Stacie Bratton	12399 Blackberry Rd	Salado	TX	76571
Vale Building Group	PO Box 460	Florence	TX	76527
Michael & Patricia Posvar	13053 Blackberry Rd	Salado	TX	76571
John & Judy Rice	PO Box 310	Salado	TX	76571
Karen Duerr	13235 Blackberry Rd	Salado	TX	76571
D'Ann Orr Gotcher	3901 Berry Dr	Salado	TX	76571
Bruce & Jane Avila	4098 Betty Pl	Salado	TX	76571
Gary Bartlett	701 Williams Rd	Salado	TX	76571
Daniel & Lynne Steigerwalt	12657 Blackberry Rd	Salado	TX	76571
Mitchell & Bobbie Hayes	PO Box 677	Salado	TX	76571

N3-24-006P Non-Exempt Application



Application for Non-Exempt Well Classification 3

N3-24-006P

	THE RESERVE AND ADDRESS OF THE PARTY OF THE										
Check one of the COMBIN	e following: ATION PERMIT	Answer the Is this fo	following: or a New Well?		Yes	ONo					
ORILLIN	G PERMIT	Is this fo	or a Replacement Well?		Yes	No					
OPERAT	ING PERMIT	Do you	plan to Export Water Or	utside District?	Yes	(P) No					
OPERMIT.	AMENDMENT	Are you	modifying a Drilling Po	ermit?	Yes	No					
		Are you	modifying an Operating	g Permit?	O Yes	⊗ _{No}					
Address (Stre Contact Perso	MICHAEL LINNE et/P.O. Box, City, Star on (if other than owne	r):	Michael • Email: Lindenaure 25 Suncise Drive s owner: —	, BELTON 7	GS13 Felephone:						
Property Location & Proposed Well Location Owner of Property (if different from Well Owner): The well is located in Management Zone: Acreage: 17 Bell CAD Property ID #: 73492 Latitude: 30,93733 N Longitude: 97,49698 C											
3. Well Description (Submit if State of Texas Well Report is Available)											
	a. Proposed use of well and estimated amount of water, in acre-feet, to be used for each purpose:										
	*Domestic; Livestock/Poultry; Agricultural/Irrigation;										
	** Public Supply; _			Other							
	ber of houses to be se										
			o obtain or modify a Certi		nence and Neces	sity to provide					
	listance, in feet, from	-	oursuant to the requested p	ermit.							
			E / W Property Line:		Existing Septic Leach Field						
			_ Existing Water Well;		Livestock Encl						
			etery, pesticide mixing/loa								
	Rate of Withdrawal				,	,					
d. Is the Prop	erty subject to flood	ng?									
	other well on the pro			nany wells?							
	part of a multi-well a	00 0									
If YES, list	the State or District V	ell Numbers: _		· · · · · ·							
REQUIRED BY	Y LAW: Pump Ins	taller / Well D	riller Information								
Nama:			Street Address								
TDLR Pump Ins	staller License #:	S S . / Y	City, State, ZIP:								
	ller License #:		City, State, ZIP:	Fax:							
	_		•								
Nama of Consul	tant nranamina A1	antion (if a1	icahla).								
			icable):								
Con. Fhone:	Con	. rax	Con. En	nan:							

A	Completion Information									
4.	Completion Information Provide the following information to the extent known and available at the time of application:									
	Proposed Total Depth of Well: 450 ft;									
	Borehole Diameter (Dia):inches (in) from to;									
	Dia (2) in from to; Casing Material: ; Inside Diameter (ID): in;									
	Screen Type:; Screen Dia in from to; # of Packers:									
	Pump Type: ; Power: ; Horsepower Rating: ;									
	Pump Depth:; Column Pipe ID: 1/2 in.									
	Date Completed:									
	Date Completed: Proposed Water Bearing Formation: Edwards SFZ; Management Zone: Edwards									
	Troposed Water Bearing Formation. Ed Wards 15FC, Wanagement Zone.									
5.	Operating Permit									
	Number of contiguous acres owned or leased on which water is to be produced: 2, 14 acres									
	Total annual production requested with this operating permit: 3 (98,550 acre-feet									
	If exporting water, what is the annual volume requested for export out of the District: Gallons									
	What is the annual volume requested for export as a % of total pumpage:%									
	If modifying an operating permit, what is the current, permitted annual production:ac-ft									
	What is the requested amount of annual production: ac-ft									
ó.	Attachments									
	Include a statement/documentation explaining your requested production.									
	If amending an existing permit, explain the requested amendment and the reason for the amendment in a signed and									
	dated letter, attached to this application.									
	If requesting operating permits or permit renewals for multiple wells, please attach a separate sheet with the									
	information requested in Section 5 for each well.									
	If applicant plans to export water outside the District, address the following in an attachment and provide									
	documents relevant to these issues:									
	• The availability of water in the District and in the proposed receiving area during the period requested									
	• The projected effect of the proposed export on aquifer conditions, depletion, subsidence, or effects on									
	existing permit holders or other groundwater users within the District									
	 How the proposed export is consistent with the approved regional water plan and certified District 									
	Management Plan									
	For more attachments that may be needed, please see the Full Summary of the Permit Application Process									
	document.									
•	Certification									
	I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief. I									
	certify to abide by the terms of the District Rules, the District Management Plan, and orders of the Board of									
	Directors. I agree to comply with all District well plugging and capping guidelines as stated in the District Rules.									
	The sale of the sa									
	Typed Name of the Owner or Designee: MICHAEL LINNEMANN									
	Signature:									
	Date. 5 % 2 1									





Created: June 21st 2024, 2:53pm

Latitude: 30.937331 Longitude: -97.496986

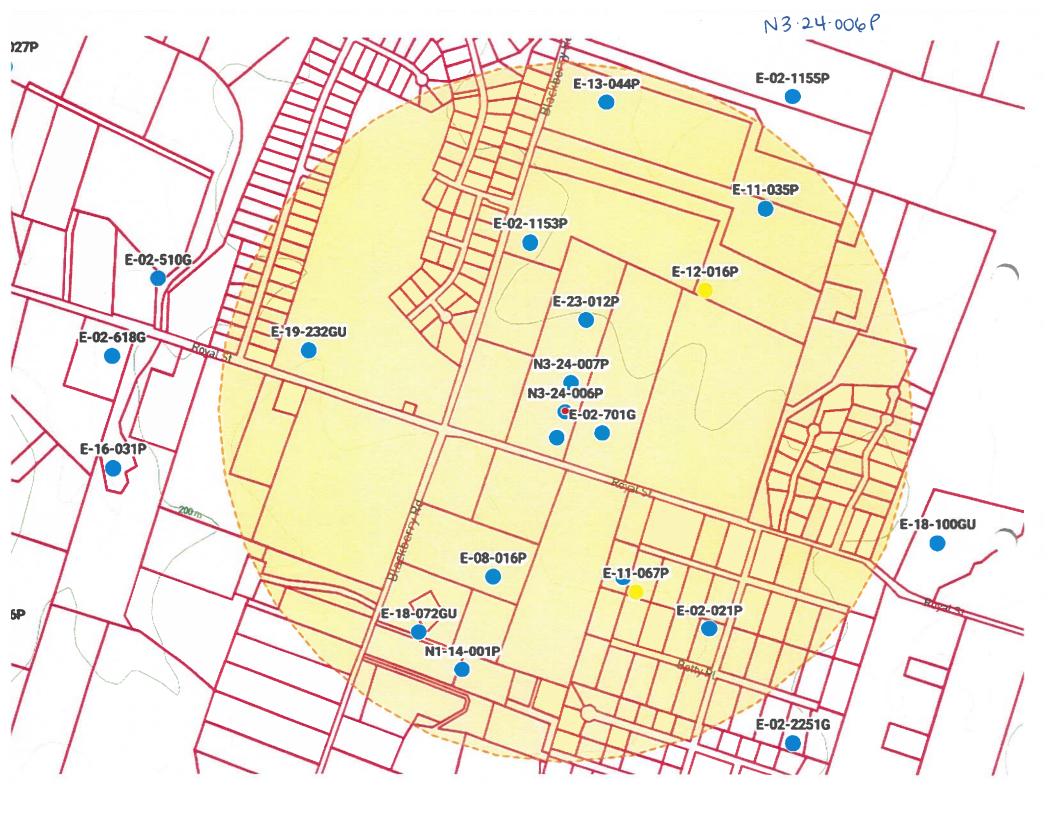
Approximate Ground Surface Elevation:

680.54

Top Elev. (ft)	Bottom Elev. (ft)	Depth to Formation (ft)*	Formation Thickness (ft)*	Formation (Geologic Unit)
679.13	582.03	0	97.11	Austin Chalk
582.03	362.95	97.11	219.07	Del Rio, Georgetown, Main Street & Paw Paw Limestone
362.95	175.43	316.18	187.53	Edwards & Commanche Peak Limestone
175.43	68.14	503.71	107.28	Walnut
68.14	-497.9	610.99	566.04	Glen Rose
-497.9	-510.79	1177.03	12.89	Hensell & Cow Creek Limestone
-510.79	-594.86	1189.92	84.07	Pearsall & Hammett Shale
-594.86	-798.54	1273.99	203.68	Hosston

Depths / Thicknesses are not to scale

bisclaimer: This product is for informational purposes only and has not been prepared for or suitable for legal, engineering, or other purposes. All representations in this irtual bore represent only the approximate relative depths and thicknesses based on geological interpretation and extrapolation of available well data. Additional data may nodify one or more of these formation surfaces. The Clearwater Underground Water Conservation District expressly disclaims any and all liability in connection herewith.



N3-24-006P Contact List

Nells 1/2 Mile

Prop ID	Name	Address	City	State	Zip	Well#	<u>Status</u>	Depth	<u>Aquifer</u>	<u>Use</u>	Distance
73492	MEL3 LLC	3402 S WS Young Dr	Killeen	TX	76542	N3-24-005P	Proposed				204 ft
73492	MEL3 LLC	3402 S WS Young Dr	Killeen	TX	76542	N3-24-007P	Proposed				223 ft
73492	MEL3 LLC	3402 S WS Young Dr	Killeen	TX	76542	E-23-012P	Active	340	Edwards BFZ	Domestic	713 ft
116613	Donald & Karen Hale	3752 Royal St	Salado	TX	76571	E-02-701G	Active	400	Edwards BFZ	Domestic	324 ft
120229	Charles & Vickie Gerhart	409 San Juan Circle	Salado	TX	76571	E-12-016P	Never Drilled	A TOTAL	ALC: NEW YORK		1404 ft
120230	Darrell & Georgina Motley	12299 Blackberry Rd	Salado	TX	76571	E-11-035P	Active	350	Edwards BFZ	Domestic	2155 ft
30400	Warren & Ashley Isbell	12163 Blackberry Rd	Salado	TX	76571	E-13-044P	Active	320	Edwards BFZ	Domestic	2371 ft
60403	Josh & Stacie Bratton	12399 Blackberry Rd	Salado	TX	76571	E-02-1153P	Active	340	Edwards BFZ	Livestock/Poultry	1307 ft
189081	Vale Building Group	PO Box 460	Florence	TX	76527	E-19-232GU	Abandoned	unknown	Edwards BFZ	Not Used	2017 ft
18825	Michael & Patricia Posvar	13053 Blackberry Rd	Salado	TX	76571	E-08-016P	Active	420	Edwards BFZ	Domestic	1349 ft
18579	John & Judy Rice	PO Box 310	Salado	TX	76571	E-18-072GU	Active	400	Edwards BFZ	Domestic	1997
189946	Karen Duerr	13235 Blackberry Rd	Salado	TX	76571	N1-14-001P	Active	420	Edwards BFZ	Domestic	2107 ft
17034	D'Ann Orr Gotcher	3901 Berry Dr	Salado	TX	76571	E-17-039P	Active	400	Edwards BFZ	Domestic	1310 ft
1309	Randall & Irene Schwertner	3919 Berry Rd	Salado	TX	76571	E-11-067P	Never Drilled				1455 ft
12623	Bruce & Jane Avila	4098 Betty PI	Salado	TX	76571	E-02-021P	Active	420	Edwards BFZ	Domestic	1971 ft

Adjacent Property

.16613	Donald & Karen Hale	3752 Royal St	Salado	TX	76571
i684	Gary Bartlett	701 Williams Rd	Salado	TX	76571
.4263	Daniel & Lynne Steigerwalt	12657 Blackberry Rd	Salado	TX	76571
.48217	Mitchell & Bobbie Hayes	PO Box 677	Salado	TX	76571
0403	Josh & Stacie Bratton	12399 Blackberry Rd	Salado	TX	76571

Mailing List

Donald & Karen Hale3752 Royal StSaladoTX76571Darrell & Georgina Motley12299 Blackberry RdSaladoTX76571Warren & Ashley Isbell12163 Blackberry RdSaladoTX76571
Warren & Achley Ichall 12162 Blackborn, Bd Salado TV 76571
Watter & Asiney isbell 12103 plackberry kg 3diado 17 /03/1
Josh & Stacie Bratton 12399 Blackberry Rd Salado TX 76571
Vale Building Group PO Box 460 Florence TX 76527
Michael & Patricia Posvar 13053 Blackberry Rd Salado TX 76571
John & Judy Rice PO Box 310 Salado TX 76571
Karen Duerr 13235 Blackberry Rd Salado TX 76571
D'Ann Orr Gotcher 3901 Berry Dr Salado TX 76571
Bruce & Jane Avila 4098 Betty Pl Salado TX 76571
Gary Bartlett 701 Williams Rd Salado TX 76571
Daniel & Lynne Steigerwalt 12657 Blackberry Rd Salado TX 76571
Mitchell & Bobbie Hayes PO Box 677 Salado TX 76571

N3-24-007P Non-Exempt Application



Application for Non-Exempt Well Classification 3

N3.24-007P

			_
Check one of the following: COMBINATION PERMIT	Answer the following: Is this for a New Well?		
ODRILLING PERMIT	Is this for a Replacement Well?	OYes QNo	
OPERATING PERMIT	Do you plan to Export Water Outside District?	\sim	
OPERMIT AMENDMENT	Are you modifying a Drilling Permit?	OYes No	
	Are you modifying an Operating Permit?	Oyes QNo	
	The year meanying an operating I crime.		_
1. Owner Information	Millian / Ludens Scarl	COH	.0~
Address (Street/D.O. Roy, City, State	e, ZIP): 2205 SUMBER DR. BELTON TY 76:	Telephone: <u>254, 555, 67</u>	86
Contact Person (if other than owner	O. T. C. S.	Talenhane:	—
If ownership of Well has changed, na):Sta	ate Well #	
			_
2. Property Location & Proposed We	ll Location		
Owner of Property (if different from	,		
The well is located in Management	Zone:		
Acreage: Bell CAD F	roperty ID #: 73492 Latitude: 30. 937 9:	1 N Longitude: 97. 496	34
2 Wall Decembration (Submit if State of	Lot		
3. Well Description (Submit if State of	d amount of water, in acre-feet, to be used for each purp	0.001	
- /	Livestock/Poultry; Agricult		
	IndustrialOther	nai/Hilganon,	
*Total number of houses to be ser			
	otice to TCEQ to obtain or modify a Certificate of Conve	nience and Necessity to provi	ide
	water obtained pursuant to the requested permit.		
b. Estimated distance, in feet, from t	he nearest:		
		_ Existing Septic Leach Field	l
		_ Livestock Enclosure;	
	amination (cemetery, pesticide mixing/loading, petroleun	n storage tank, etc.)	
c. Estimated Rate of Withdrawal (
d. Is the Property subject to flooding. e. Is there another well on the property.			
f. Is the well part of a multi-well a			
<u>-</u>	'ell Numbers:		
			_
REQUIRED BY LAW: Pump Inst	aller / Well Driller Information		
Name:	Street Address: City, State, ZIP: Phone Fax:		
TDLR Pump Installer License #:	City, State, ZIP:		
TDLR Well Driller License #:_	Street Address: City, State, ZIP: Phone Fax:		
Email:			
Name of Consultant managing A 1:	action (if annicable).		
Con Phone:	cation (if applicable): Con. Email:		
Con. 1 none Con.	Coll. Elliali.		
			

	Provide the following information to the extent known and available at the time of application: Proposed Total Depth of Well: 450 ft;
	Borehole Diameter (Dia):inches (in) from to;
	Dia (2) in from to;
	Dia (2) in from to; Casing Material: ; Inside Diameter (ID): 'in;
	Screen Type:; Screen Dia in from to; # of Packers:
	Pump Type: ; Power: ; Horsepower Rating: ;
	Pump Depth: ; Column Pipe ID: 1/2 in.
	Proposed Water Bearing Formation: Edwards SFZ; Management Zone: Edwards
5.	Operating Permit
	Number of contiguous acres owned or leased on which water is to be produced: 2, 14 acres
	Total annual production requested with this operating permit: 3 (98,55996) acre-feet
	If exporting water, what is the annual volume requested for export out of the District: Gallons
	What is the annual volume requested for export as a % of total pumpage:
	If modifying an operating permit, what is the current, permitted annual production: ac-ft What is the requested amount of annual production: ac-ft
ó.	What is the requested amount of annual production:ac-ft Attachments
•	Include a statement/documentation explaining your requested production.
	If amending an existing permit, explain the requested amendment and the reason for the amendment in a signed and
	dated letter, attached to this application.
	If requesting operating permits or permit renewals for multiple wells, please attach a separate sheet with the
	information requested in Section 5 for each well.
	If applicant plans to export water outside the District, address the following in an attachment and provide
	documents relevant to these issues:
	• The availability of water in the District and in the proposed receiving area during the period requested
	• The projected effect of the proposed export on aquifer conditions, depletion, subsidence, or effects on
	existing permit holders or other groundwater users within the District
	01
	How the proposed export is consistent with the approved regional water plan and certified District
	 How the proposed export is consistent with the approved regional water plan and certified District Management Plan
	Management Plan
•	Management Plan For more attachments that may be needed, please see the Full Summary of the Permit Application Process
•	Management Plan For more attachments that may be needed, please see the Full Summary of the Permit Application Process document. Certification I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief. I
•	Management Plan For more attachments that may be needed, please see the Full Summary of the Permit Application Process document. Certification
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Created: June 21st 2024, 2:53pm

Latitude: **30.937932** Longitude: **-97.496842**

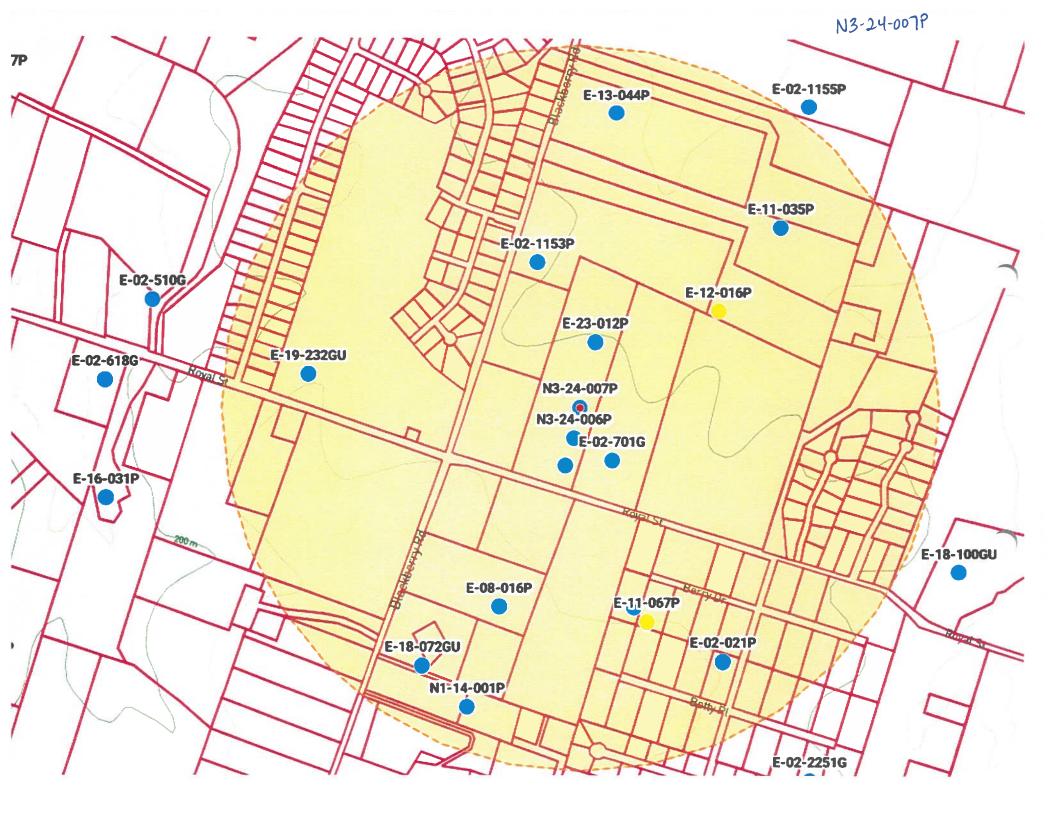
Approximate Ground Surface Elevation:

680.54

Top Elev. (ft)	Bottom Elev. (ft)		Depth to Formation (ft)*	Formation Thickness (ft)*	Formation (Geologic Unit)
679.13	582.03		0	97.11	Austin Chalk
582.03	362.95		97.11	219.07	Del Rio, Georgetown, Main Street & Paw Paw Limestone
362.95	175.43		316.18	187.53	Edwards & Commanche Peak Limestone
175.43	68.14		503.71	107.28	Walnut
68.14	-497.9		610.99	566.04	Glen Rose
-497.9	-510.79		1177.03	12.89	Hensell & Cow Creek Limestone
-510.79	-594.86	TOTAL STATE	1189.92	84.07	Pearsall & Hammett Shale
-594.86	-798.54		1273.99	203.68	Hosston

Depths / Thicknesses are not to scale

Disclaimer: This product is for informational purposes only and has not been prepared for or suitable for legal, engineering, or other purposes. All representations in this irtual bore represent only the approximate relative depths and thicknesses based on geological interpretation and extrapolation of available well data. Additional data may nodify one or more of these formation surfaces. The Clearwater Underground Water Conservation District expressly disclaims any and all liability in connection herewith.



N3-24-007P Contact List

	1/		

rop ID	<u>Name</u>	Address	City	<u>State</u>	Zip	Well#	<u>Status</u>	<u>Depth</u>	Aquifer	Use	Distance
73492	MEL3 LLC	3402 S WS Young Dr	Killeen	TX	76542	N3-24-005P	Proposed	ad able to	2501-00-0		430 ft
73492	MEL3 LLC	3402 S WS Young Dr	Killeen	TX	76542	N3-24-006P	Proposed				223 ft
73492	MEL3 LLC	3402 S WS Young Dr	Killeen	TX	76542	E-23-012P	Active	340	Edwards BFZ	Domestic	498 ft
16613	Donald & Karen Hale	3752 Royal St	Salado	TX	76571	E-02-701G	Active	400	Edwards BFZ	Domestic	439ft
120229	Charles & Vickie Gerhart	409 San Juan Circle	Salado	TX	76571	E-12-016P	Never Drilled				1239 ft
120230	Darrell & Georgina Motley	12299 Blackberry Rd	Salado	TX	76571	E-11-035P	Active	350	Edwards BFZ	Domestic	1979 ft
30400	Warren & Ashley Isbell	12163 Blackberry Rd	Salado	TX	76571	E-13-044P	Active	320	Edwards BFZ	Domestic	2129 ft
60403	Josh & Stacie Bratton	12399 Blackberry Rd	Salado	TX	76571	E-02-1153P	Active	340	Edwards BFZ	Livestock/Poultry	1087 ft
189081	Vale Building Group	PO Box 460	Florence	TX	76527	E-19-232GU	Abandoned	unknown	Edwards BFZ	Not Used	2024 ft
98825	Michael & Patricia Posvar	13053 Blackberry Rd	Salado	TX	76571	E-08-016P	Active	420	Edwards BFZ	Domestic	1582
18579	John & Judy Rice	PO Box 310	Salado	TX	76571	E-18-072GU	Active	400	Edwards BFZ	Domestic	2202
189946	Karen Duerr	13235 Blackberry Rd	Salado	TX	76571	N1-14-001P	Active	420	Edwards BFZ	Domestic	2326 ft
17034	D'Ann Orr Gotcher	3901 Berry Dr	Salado	TX	76571	E-17-039P	Active	400	Edwards BFZ	Domestic	1509 ft
11309	Randall & Irene Schwertner	3919 Berry Rd	Salado	TX	76571	E-11-067P	Never Drilled	SERVE STATE			1644 ft
12623	Bruce & Jane Avila	4098 Betty PI	Salado	TX	76571	E-02-021P	Active	420	Edwards BFZ	Domestic	2131 ft

Adjacent Property

.16613	Donald & Karen Hale	3752 Royal St	Salado	TX	76571
i684	Gary Bartlett	701 Williams Rd	Salado	TX	76571
.4263	Daniel & Lynne Steigerwalt	12657 Blackberry Rd	Salado	TX	76571
.48217	Mitchell & Bobbie Hayes	PO Box 677	Salado	TX	76571
0403	Josh & Stacie Bratton	12399 Blackberry Rd	Salado	TX	76571

Mailing List

Name	Address	City	State	Zip
Donald & Karen Hale	3752 Royal St	Salado	TX	76571
Darrell & Georgina Motley	12299 Blackberry Rd	Salado	TX	76571
Warren & Ashley Isbell	12163 Blackberry Rd	Salado	TX	76571
Josh & Stacie Bratton	12399 Blackberry Rd	Salado	TX	76571
Vale Building Group	PO Box 460	Florence	TX	76527
Michael & Patricia Posvar	13053 Blackberry Rd	Salado	TX	76571
John & Judy Rice	PO Box 310	Salado	TX	76571
Karen Duerr	13235 Blackberry Rd	Salado	TX	76571
D'Ann Orr Gotcher	3901 Berry Dr	Salado	TX	76571
Bruce & Jane Avila	4098 Betty Pl	Salado	TX	76571
Gary Bartlett	701 Williams Rd	Salado	TX	76571
Daniel & Lynne Steigerwalt	12657 Blackberry Rd	Salado	TX	76571
Mitchell & Bobbie Hayes	PO Box 677	Salado	TX	76571

Application Fees

Clearwater Underground Water Conservation

PO Box 1989 Belton, TX 76513

Invoice

\$1,700.00

\$1,700.00

\$0.00

Invoice #: 229

Invoice Date: 6/5/2024

Due Date: 6/5/2024

Project: P.O. Number:

Bill To:

MEL3 LLC

3402 S WS Young Dr Killeen, TX 76542

Date	Description	Amount
6/5/2024	Permit Application Fee GAC = \$1,250 appl fee = \$150 x 3 = \$450	1,700.00
	P	
	3	9. 2024
		20,
		74

Total

Payments/Credits

Balance Due

MEL3 LLC

3402 S. WS YOUNG DRIVE
KILLEEN, TX 76542

PAY TO THE
ORDER OF
One thousand seven hundred and 00/100****

CUWCD

CUWCD

**1,700.00

DOLLARS

AUTHORIZED BIONATURE

MP

Notification

Publisher's Affidavit

State of Texas County of Bell

Before Me, The Undersigned Authority, this day personally appeared <u>Jane Moon</u> after being by me duly sworn, says that she is the <u>Classified Manager Inside Sales</u> of the Temple Daily Telegram, a newspaper published in Bell County, Texas and that the stated advertisement was published in said newspaper on the following date(s):

July 10, 2024

For: Michael Linnemann

Ad #: 16693393 Cost: \$160.00 Times Published: 1

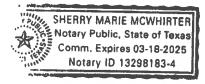
Jane Moon

Classified Manager Inside Sales

Subscribed and sworn to before me, this day: July 10, 2024

Notary Public in and for Bell County, Texas

(Seal)



NOTICE OF APPLICATION FOR A COMBINATION DRILLING AND OPERATING PERMIT FROM CLEARWATER UNDERGROUND WATER CONSERVATION DISTRICT

Michael Linnemann has submitted an application, to the Clearwater Underground Water Conservation District (CUWCD) on March 28, 2024, for a groundwater availability certification (per Title 30 Texas Administrative Code Section 230.4) of a proposed subdivision of an existing frost of land (property 10: 73472) of 10 acres into four tracts to authorize three combination drilling and operating permits in the Edwards BFZ Aquifer and the Edwards BFZ Management Zone.

The proposed three wells are tocated of:
Well #1: Latitude 30,93679, Lamsitude -97.49718
Well #2: Latitude 30,93733, Lonsitude -97.49698
Well #3: Latitude 30,93733, Longitude -97.49684

The proposed wells are tocated on Rayal Street, 2710 mile to the east of the intersection of Blackberry Road and Royal Street, Soldou, TX. The proposed wells will produce groundwater for a beneficial used described as "domestic use" in a proposed quantity not to exceed (for each well) 0.3 acre-feet per year based on 90 salloss per day per person at an occupancy of 3 people per home, thus 92,550 gallons per year per proposed well.

This application will be set for hearing before the CUWCD Board upon notice posted at the Bell County Clerk's Office and at the CUWCD Office. If you would like to support, protest, or provide comments on this application, you must oppear at the hearing and comply with District Rule 6.10. For additional information about this application or the permitting process, please contact the CUWCD at 700 Kennedy Court, Bellen, Texas 76513, 245-473-0120. The applicant may be contacted at 2205 Sunrise Drive, Belton, TX 76513, or by phone at 254-535-6186.

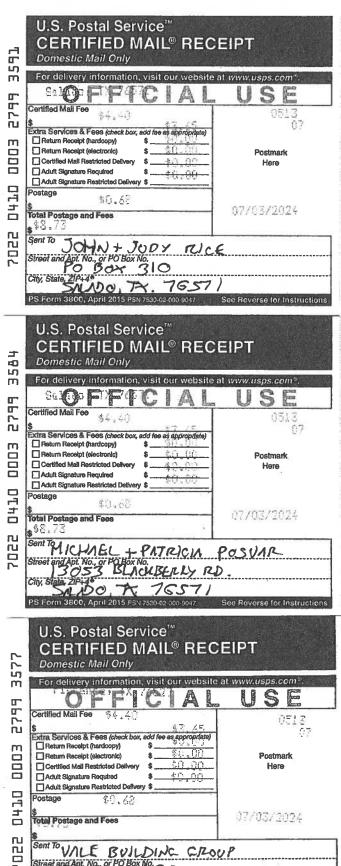
U.S. Postal Service CERTIFIED MAIL® RECEIPT Domestic Mail Only 먪 SO OFFIF7 C 2799 67 Certified Mail Fee \$4,40 Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) **Postmark** Return Receipt (electronic) Here Certified Mail Restricted Del Adult Signature Required Adult Signature Restricted Defivery \$ 0470 ¢0.68 07/03/2024 Total Postage and Fees \$2.73 Sent TO CARLY BARTLETT
Street and Apt. No., or PO Box No.

City, State, 219+19 Sent To 2025 MLADO, 74. 76571

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Certified Mail Fee	\$4.40 to A	5 07
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Postage \$	\$0.68	07/93/2024
Total Postage ar	nd Fees	



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S Form 3800, April 2015 PSN 7530-02 000-9047. See Reverse for Instructions

LORENCE,



U.S. Postal Service™ CERTIFIED MAIL® RECEIPT 디 Domestic Mail Only 36 근구무명 Extra Services & Fees (check box, add fee as eppropriate) Return Receipt (hardcopy) Return Receipt (electronic) Certified Mall Restricted Delivery Here Adult Signature Required Adult Signature Restricted Delivery \$ \$0.58 07/03/2024 Total Postage and Fees 7055 U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only 5a1000 FXF4 27명 Certified Mail Fee .44.40 Extra Services & Fees (check box, add fee as appropriate) Return Receipt (electronic) Postmark Certified Mail Restricted Delivery Here Adult Signature Required Adult Signature Restricted Delivery \$ 0470 Postage \$0.68 07/03/2024 Total Postage and Fees 7022 ANN ORR COTCHER City, State, 2/P-400 A. 76571
PS Form 3800, April 2015 PSN 7530-02-030-9047 Sec Reverse to U.S. Postal Service™ CERTIFIED MAIL® RECEIPT 3607 Domestic Mail Only 11 디 0513 97 extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) Return Receipt (electronic) Certified Mail Restricted Delivery \$1.00 Here Adult Signature Required Adult Signature Restricted Delivery \$ \$0.68 07/03/2024 Total Postage and Fees ru 702

S Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instruction

CUWCD Board Meeting Minutes 08/09/2023

Clearwater Underground Water Conservation District Meeting 700 Kennedy Court Belton, TX Wednesday, August 9, 2023 **Minutes**

The Clearwater Underground Water Conservation District (CUWCD) held a Workshop at 11:00 a.m. and its regular Board meeting at 1:30 p.m. on Wednesday, August 9, 2023, at the Clearwater UWCD Building at 700 Kennedy Court, Belton, Texas.

Absent:

Board Members Present:

Leland Gersbach, President, Pct 1 Gary Young, Secretary, Pct 2 Jody Williams, Vice President, Pct 3 Scott Brooks, Director, Pct 4

James Brown, Director, At-Large

Staff:

Dirk Aaron, General Manager Shelly Chapman, Admin. Manager

Guests

Mike Keester - RWH Neil Deeds – Intera

Matt Bates - City of Belton Amber Dankert Marvin Ee - UMHB Session Harrell - SWSC

John Asbury Cole Ruiz - Lloyd Gosselink Pete George - Collier

David Holmes

Bill Schumann - Bell County Timi Dutchuk - Fort Cavazos Steve Theodore - UMHB Murray McCarley Scott Dodd - UMHB Ricky Garrett - WCID #1

Board meeting opened with President, Leland Gersbach at 1:30 p.m.

Invocation and Pledge of Allegiance. 1.

> Director, Jody Williams, gave the invocation. Secretary, Gary Young, led the Pledge of Allegiance.

Public Comment. 2.

None

Approve minutes of the July 12, 2023, Board meeting. 3.

> Board members received the minutes of the July 12, 2023, Board meeting and workshop in their Board packet to review prior to the meeting.

> Secretary, Gary Young, moved to approve the minutes of the July 12, 2023, Board meeting and Workshop as presented. Director, Jim Brown, seconded the motion.

Motion carried 5-0.

Discuss, consider, and take appropriate action, if necessary, to accept the monthly Financial Report for July 2023 (FY23) as presented.

Board members received the monthly financial report for July 2023 in their Board packet to review prior to the meeting.

Secretary, Gary Young, moved to accept the July 2023 financial report as presented. Director, Scott Brooks, seconded the motion.

Motion carried 5-0.

Discuss, consider, and take appropriate action, if necessary, to accept the monthly Investment Fund account report for July 2023 (FY23) as presented.

Board members received the monthly investment Fund account report for July 2023 in their Board packet to review prior to the meeting.

Director, Scott Brooks, moved to accept the monthly Investment Fund account report for July 2023 as presented. Secretary, Gary Young, seconded the motion.

Motion carried 5-0.

6. Discuss, consider, and take appropriate action, if necessary, to participate in the ASR pilot project with WCID#1.

Dirk introduced Ricky Garrett with WCID#1 and Timi Dutchuk with Ft. Cavazo. Ricky laid out the framework and importance of the ASR pilot project. Neil Deeds with Intera highlighted items of interest related to the ASR pilot project. Dirk recommends the Board approve participation in funding this project at \$50,000. He suggested moving the funds from reserves.

Scott Brooks noted that this was going to be a large expenditure for this budget year and was interested in knowing how this would affect his constituents. He would like insurance that the district would have access to the data related to this monitor well.

John Asbury requested to make public comments on this agenda item. John laid out his concerns and suggestions but noted that he has no problems with this.

Leland asked if there was any other discussion. Hearing none he asked for a motion to participate or not.

Director, Scott Brooks, moved to approve participation in the ASR pilot Program with the stipulation that the data would be available to CUWCD and would not exceed \$50,000. Secretary, Gary Young,

Motion carried 5-0.

7. Discuss, consider, and take appropriate action, if necessary, to approve the FY23 line-item budget amendments as requested.

Shelly presented the request for FY23 budget amendments as follows:

Vendor	Line Item	Invoice Amount	Available Funds	Amount Requested	New Balance	From	Available Funds	New Balance
Salary Cost	52055-pay roll exp	\$116.00	\$14.79	\$101.21	\$116.00	52045-payroll tax workers comp	\$9,222.90	\$9,106.90
	(Wex \$25 - Aug Sep	t = \$50 & Intuit	S22 July/Aug	Sept = \$66)				
Folkerson	55400-phone	\$407.80	\$191.12	\$216.68	\$407.80	55300-internet	\$1,815.50	\$1,598.82
	(\$203.90 x 2	- Aug Sept)						
Lloyd Gosseling	53703-Gen rules/account	\$5,555.00	\$0.00	\$5,555.00	\$0.00	53702-Endangered Spec	\$10,000.00	\$4,445.00
NTGCD	50605-GMA8-Tech Com	\$4,383-52	\$3,477.50	\$906.02	\$0.00	50610-GMA8 - admin	\$2,481.83	\$1,575.81
						l		

After approval of agenda item #6, Dirk requested a budget amendment for participation in the ASR pilot project with WCID#1. He requested the funds be moved from the district's reserved funds.

Director, Jim Brown, moved to accept the FY23 line-item budget amendments as requested. Vice President, Jody Williams, seconded the motion.

Motion carried 5-0.

8. Discuss, consider, and take appropriate action, if necessary, to set the preliminary tax rate for tax year 2023 on the proposed budget for FY24.

Dirk presented the 2023 Certified Taxable Values he received from the Tax Appraisal District of Bell County and his analysis of the numbers. After discussions, the Board agreed they wanted to stay with the "no new revenue rate" of \$0.002372/\$100 valuation.

Vice President, Jody Williams, moved to set the preliminary tax rate for tax year 2023 at 0.002372. Director, Jim Brown, seconded the motion.

Motion carried 5-0.

9. Discuss, consider, and take appropriate action, if necessary to set the public hearing date and adoption of the FY24 budget.

Based on the budget development timeline, Dirk recommended the Board set the public hearing date and adoption of the FY24 budget for August 23, 2023.

Vice President, Jody Williams, moved to set the public hearing date and adoption of the FY24 budget for August 23, 2023. Director, Scott Brooks, seconded the motion.

Motion carried 5-0.

10. Discuss, consider, and take appropriate action if necessary to approve a request to waiver the Groundwater Availability Certification requirement, to conduct a modified groundwater availability assessment by the district for the purpose of subdividing Bell CAD Property ID:73492 @ 17.0-acres into four tracts owned by Michael Linnemann.

Dirk noted that Mike Linnemann could not be at the meeting today. Dirk laid out the facts of the request for the waiver on Mike Linnemann's behalf.

Dirk asked Mike Keester to present the Modified Groundwater Availability Study (and the science side of it) vs Groundwater Availability Certification. Dirk also explained facts per County Rules and CUWCD Inter-Local Agreement. Dirk has been in contact with County Engineer, Brian Neaves, and they are ok with the waiver only if Clearwater approves the waiver with special provisions.

Special provisions should include:

- Conduct a single well pump test on the existing well.
- Conduct the pumping test when drought conditions improve.
- Pay CUWCD GAC review fees and application fees for 3 new wells.
- Pumping test will determine if the aquifer can sustain 2 or more wells above those wells in the ½ mile radius.

Board members asked questions of Mike Keester and Dirk to clarify concerns.

Director, Jim Brown, moved to approve the waiver with stipulations that the pump test be delayed until sufficient water is available and that they provide documentation stating they do not have access to public water. Director, Scott Brooks, seconded the motion.

Motion carried 5-0.

11. Discuss, consider, and take appropriate action if necessary to approve a request to waiver the Groundwater Availability Certification requirement, to conduct a modified groundwater availability assessment by the District for the purpose of subdividing Bell CAD Property ID:237622 @ 10.1-acres, owned by Session Harrell & Amber Dankert, into one tract at approximately 4.5 acres and combine the remanent tract of 5.6 acres into the adjacent tract Property ID: 103428 112.085 acres owned by UE WINIX Stinnett Mill LLC, represented by Donny Ringler.

Dirk presented information related to the request to waiver the Groundwater Availability Certification requirements. This request is relevant to the information presented by Mike Keester in agenda item #10 and the modified Groundwater Availability Study.

Based on discussion between Scott, Dirk, and Commissioner Schumann, the property might be subject to full platting.

Amber stated that she understands the process. She pled her case with scenarios that might apply for her to get another well now, with limited usage. She inquired if there was an emergency provision that would allow them to have a well drilled now. Dirk explained there is not an emergency provision in the rules that would allow that without plugging the existing well.

After continued discussions back and forth, it was suggested that she apply for a 2nd exempt well on her property. Dirk instructed her to fill out the exempt application with Tristin before she left.

Director, Scott Brook, moved there would be no action taken on this agenda item. Secretary, Gary Young, seconded the motion.

No Board action taken on this item.

12. Continue Public Hearing on the following application:

Discuss, consider, and take appropriate action, if necessary, on a proposed drilling permit for a new well for the University of Mary Hardin Baylor submitted on June 20, 2023, for a proposed amount not to exceed 64.4 acre-feet or 20,984,832 gallons per year for irrigation use only, completed in the Hosston (Lower) Layer of the Trinity Aquifer and located in the Belton Lake Management Zone described in District Rule 7.1 and limited to a maximum 4-inch column pipe on a 28.12-acre tract in accordance with District Rule 9.5 and located at Latitude 31.069169°/Longitude -97.472680° at the N. W. corner of W. Martin Luther King Junior Ave and Nolan Creek, Belton, TX. No groundwater production can be authorized with this proposed permit.

President, Lelenad Gersbach continued the public hearing at 2:27 p.m. and gave a summary of the application being considered. He noted that he reviewed the procedural issues at the hearing last but will answer any questions regarding the continuance today.

He confirmed a quorum of the Board was in attendance to participate in the ruling of the application. Leland stated that the permit applications had undergone administrative and technical review by District staff, consultants, and legal counsel.

Leland stated anyone wishing to participate in the hearing last month was afforded an opportunity to support or protest the application at that time. Matt Bates (City of Belton) requested 30-day pause in the hearing to meet with representatives of UMHB. The pause was granted until today's meeting.

Leland instructed anyone from the public wishing to make comments on the application to sign up to do so.

As presiding officer, Leland will take evidence and sworn testimony, and rule on any procedural issues.

Leland laid out the procedures for the continuation of the hearing. He noted that the district did receive requests for a contested case hearing in writing prior to today's meeting and have had additional requests by a person appearing before the Board today. Leland stated that the Board entered a preliminary phase of the contested case hearing in order to determine whether the hearing request meets the requirement of Rules 6.10.9 and 6-10-12, whether the person requesting the hearing qualifies as an affected party, and whether it is appropriate to deem the hearing contested.

Leland took appearance by all individuals signed up wishing to make public comments. Murray McCarthy and John Asbury signed up to give public comments. Murray noted his concerns and offered suggestions on landscaping that would not need much water. John updated the comments and concerns he had previously discussed last month and made several suggestions for the applicant to, once again, consider.

Leland noted that the preliminary phase of the hearing was completed last month, and he determined that the City of Belton does have standing in the case and opened the evidentiary phase of the hearing. He administered the oath to Dirk Aaron (CUWCD), Dr. Steve Theodore (UMHB), Scott Dodd (UMHB), Marve Ed (UMHB), Matt Bates (City of Belton), Mike Keester (RWH), and Cole Ruiz (Lloyd Gosselink).

Before Leland proceeded with testimony, he afforded the parties an opportunity for another continuance on the application if needed. No continuance was needed.

Mike presented his analysis of the application. He reviewed the effects on existing wells, gave his conclusion and recommendations.

Dr. Theodore had no new evidence or information to be considered.

Dirk presented his executive summary noting that all metrics had been met and the application was deemed administratively complete for a <u>drilling</u> permit only. No operating permit would be granted at this time.

Leland addressed Dr. Theodore and his experts. He understood the special provisions, and everything laid out for the approval/denial of a drilling permit only and not an operating permit.

Leland invited Matt Bates from the City of Belton to state his thoughts and concerns related to the drilling application presented today. Matt stated that he appreciated the Board granting the continuance last month. The City has spoken to UMHB and is satisfied with the discussions and special provisions as noted.

Leland asked if there were any comments or concerns from the Board. There were none.

Leland concluded the hearing and inquired as to the wishes of the Board.

Director, Scott Brooks, moved to approve the drilling permit subject to rules and special provisions regarding observation tube, EnoScience monitoring equipment, and other provisions as discussed. Vice President, Jody Williams, seconded the motion.

Motion carried 5-0.

13. General Manager's report concerning office management and staffing related to District Management Plan.

- Representative Buckley will be holding a town meeting. If 2 or more Board members attend, the district will have to "post" the meeting.
- Update of the Groundwater Management Plan amendment process Sept 13th.
- Sept 13th possible hearing date for District Rule amendments.
- Painting of the exterior of the building will be \$675 and will be done sometime in this fiscal year.
- Roof was inspected by Tanner Roofing. They recommend power washing and removing debris from the roof of both buildings to preserve its integrity.
- Information regarding Groundwater Summit rooms and registration
- Dirk will attend Post Oak Savannah GCD's Water Summit on Aug 17th.
- RV Park north of Troy withdrew their permit application
- Arias Prairie permit still pending.
- Victory Rock is drilling their well. Applicant is complying with all provisions.

14. Review monthly report and possible consideration and Board action on the following:

- a) Drought Status Reports
- b) Education Outreach Update
- c) Monitoring Wells
- d) Rainfall Reports
- e) Well Registration Update
- f) Aquifer Status Report & Non-exempt Monthly Well Production Reports

(Copies of the Monthly Staff Reports were given to the Board Members to review. No action is required. Information items only.)

15. Director's comments and reports.

- Leland Gersbach: None
- Jody Williams: None
- Gary Young: None
- Scott Brooks: None
- James Brown: None

16. Discuss agenda items for the next meeting.

• Set tax rate and adopt FY24 budget.

- Possible permits Boger, Moffat WSC, Salado ISD amendment, Linnemann.
- 17. Set the time and place of the next meeting.

 Wednesday, August 23, 2023, 1:30 p.m. CUWCD office.
- 18. Adjourn.

Board meeting closed and Workshop reconvened with President, Leland Gersbach, at 4:30 p.m.

Workshop item #1: Receive update related to the current drought conditions and curtailments in place.

Dirk updated the Board on items related to the current drought conditions and curtailments in place. He noted that we will be moving to stage 3.

Workshop item #2: Receive presentation on the WCID#1 ASR proposed project.

No discussion - this was discussed and action was taken on Agenda item #6.

Workshop item #3: Receive update on the pending amendment needs to the Groundwater Management Plan per GMA8 changes to the DFC in Round 3.

Dirk presented information on the Groundwater Management Plan amendments needed per GMA8 changes to Round 3 of the DFC.

Workshop item #4: Receive update on the pending district rule changes required per the 88th Legislative requirements for GDCs.

Dirk briefed the Board on the pending rule changes being required per the 88th Legislative Session. He has been working with the district's attorneys to make the appropriate changes.

Workshop item #5: Discuss and review items of interest concerning the draft FY2024 budget.

Dirk highlighted items of interest related to the FY24 proposed budget and addressed questions and concerns of the Board.

Workshop closed with President, Leland Gersbach, at 4:44 p.m.

Leland Gersbach, President

ATTEST:

Gary Young, Secretary or Cl