

# Initial Application Part I

Received: 03/15/2019

*This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete*

RECEIVED: <u>3/15/2019</u>	REVIEWER: <u>[Signature]</u>	TYPE: <u>SWD</u>	APP NO: <u>PMAM19074 57171</u>
-------------------------------	---------------------------------	---------------------	-----------------------------------

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Geological & Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Applicant:** Permian TDS, LLC **OGRID Number:** 306958  
**Well Name:** Coombes SWD #1 **API:** pending  
**Pool:** Proposed SWD: Devonian-Silurian **Pool Code:** 97869

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW**

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]  
 A. Location – Spacing Unit – Simultaneous Dedication  
 NSL       NSP (PROJECT AREA)       NSP (PRORATION UNIT)       SD
- B. Check one only for [ I ] or [ II ]  
 [ I ] Commingling – Storage – Measurement  
 DHC     CTB     PLC     PC     OLS     OLM  
 [ II ] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery  
 WFX     PMX     SWD     IPI     EOR     PPR

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.  
 A.  Offset operators or lease holders  
 B.  Royalty, overriding royalty owners, revenue owners  
 C.  Application requires published notice  
 D.  Notification and/or concurrent approval by SLO  
 E.  Notification and/or concurrent approval by BLM  
 F.  Surface owner  
 G.  For all of the above, proof of notification or publication is attached, and/or,  
 H.  No notice required

FOR OCD ONLY	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Joel Lowry

Print or Type Name

Joel Lowry  
Signature

3/13/2019  
Date

432-466-4450  
Phone Number

joel@lowryenvironmental.com  
e-mail Address

MAR 15 2019 10:24 AM

March 13, 2019

New Mexico Oil Conservations Division  
Attn: Phillip Goetze  
1220 S. St. Francis Dr.  
Santa Fe, New Mexico 87505

*Via U.S. Certified Mail – Return Receipt Requested*

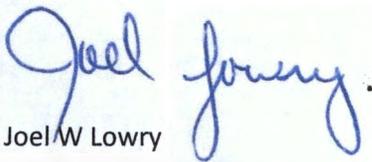
RE: Application for Authorization to Inject  
Coombes SWD #1  
Township 22 South Range 33 East, N.M.P.M  
Section 22, 1630' FSL & 200' FEL  
Lea County, New Mexico

Mr. Goetze

Enclosed for your review is a copy of a C-108 Application and supporting documentation that has been prepared on behalf of Permian TDS, LLC, of Lovington, New Mexico. The proposed injection well is located in Section 22 Township 20 South Range 33 East, 1630' FSL and 200' FEL, in Lea County, New Mexico.

The proposed injection well will be a commercial SWD well taking produced water products form oil and gas operations in the surrounding area. If you have any questions or need any additional information, please contact Joel Lowry with Lowry Environmental & Associates, LLC.

Respectfully,

  
Joel W Lowry

**LOWRY**  
environmental

PO Box 896  
Lovington, NM 88260  
Direct 432-466-4450

**APPLICATION FOR AUTHORIZATION TO INJECT**

I. *PURPOSE:* Secondary Recovery Pressure Maintenance XXX Disposal Storage  
*Application qualifies for administrative approval?* XXX Yes No

II. *OPERATOR:* Permian TDS, LLC  
*ADDRESS:* PO Box 788 Lovington, NM, 88260  
*CONTACT PARTY:* Lowry Environmental & Associates, LLC *PHONE:* 432-466-4450

III. *WELL DATA:* Complete the data required on the reverse side of this form for each well proposed for injections.  
Additional sheets may be attached if necessary.

Applicable Well Data is provided as Attachment #1.

IV. *Is this an expansion of an existing project?* Yes XXX No  
*If yes, give the Division order number authorizing the project:* N/A

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

A map identifying all wells and leases within a two mile radius is provided as Figure 1 in Attachment #2.  
A map identifying all wells and leases within the one-mile expanded Area of Review is provided as Figure 2 in Attachment #2.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

A tabulation of data on all wells of public record within the expanded area of review which penetrate the proposed injection zone is provided as Attachment #3.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

Proposed operation details are provided as Attachment #4.  
Analysis from source zone produced water is provided as Attachment #4a.  
Analysis from injection zone produced water is provided as Attachment #4b.

\*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

Geological data on the proposed injection zone is provided as Attachment #5.

IX. Describe the proposed stimulation program, if any.

Acid may be utilized to clean and open the formation in accordance with industry standards, as necessary.

\*X. Attached appropriate logging and test data on the well. (If well logs have been filed with the Division, the need not be resubmitted).

As this is a new drill, logging and test data is not available. Well Log and test data will be filed with the NMOCD upon completion of the well. NMOCD District I Office will be notified prior to conducting MIT.

\*XI. *Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.*

**A map depicting fresh water wells within a one mile radius and associated chemical analysis, if applicable, is provided as Attachment #6.**

XII *Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal one and any underground sources of drinking water.*

**An Affirmative Statement is provided as Attachment #7.**

XIII *Applicants must complete the "Proof of Notice" section on the reverse side of this form.*

**"Proof of Notice" documentation is provided as Attachment #8.**

XIV. *Certification: I hereby certify that the information submitted with the application is true and correct to the best of my knowledge and belief.*

NAME: Joel W. Lowry TITLE: Agent of Permian TDS, LLC

SIGNATURE: Joel Lowry

EMAIL ADDRESS: joel@lowryenvironmental.com

*If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.  
Please show the date and circumstances of the earlier submitta \_\_\_\_\_*

---

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

# **ATTACHMENT #1**

## **Well Data**

### III. Well Data

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1)

General Well Information	
Operator	Permian TDS, LLC
Lease Name & Well No.	Coombes SWD #1
Location	1630' FSL & 200' FEL, UL I, Sec. 22, T20S, R33E

(2)

Casing Information								
String	Size	Grade	Weight	Setting Depth	Sacks of Cement	Hole Size	Estimated Top of Cement	Method of Determination
Surface	20"	J-55	94.0 lb/ft.	1,405'	2,940	26"	Surface	Circulation
Intermediate 1	13.375"	P-110	80.7 lb/ft	3,020'	1,835	17.5"	Surface	Circulation
Intermediate 2	9.625"	P-110	53.5 lb/ft.	11,900'	2,400	12.25"	Surface	Circulation
Liner	7.625"	P-110	39.0 lb/ft.	14,900'	370	8.5"	11,600 (TOL)	CBL

(3)

Description of Tubing			
Size	Weight	Lining Material	Setting Depth
5.5"	23.0 lb/ft	Internal Plastic Coated	11,500'
5"	18.0 lb/ft	Internal Plastic Coated	14,800'

(4)

Packer Information	
Type	Setting Depth
LOK-SET™ or Equivalent	14,800'

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1)

Injection Information	
Name of Injection Formation:	Devonian -Silurian, Montoya
Injection Interval:	14,900' to 16,250'
Perforated or Open-Hole:	Open Hole
Purpose of Well:	New Drill for Salt Water Disposal
Other Perforated Intervals:	None

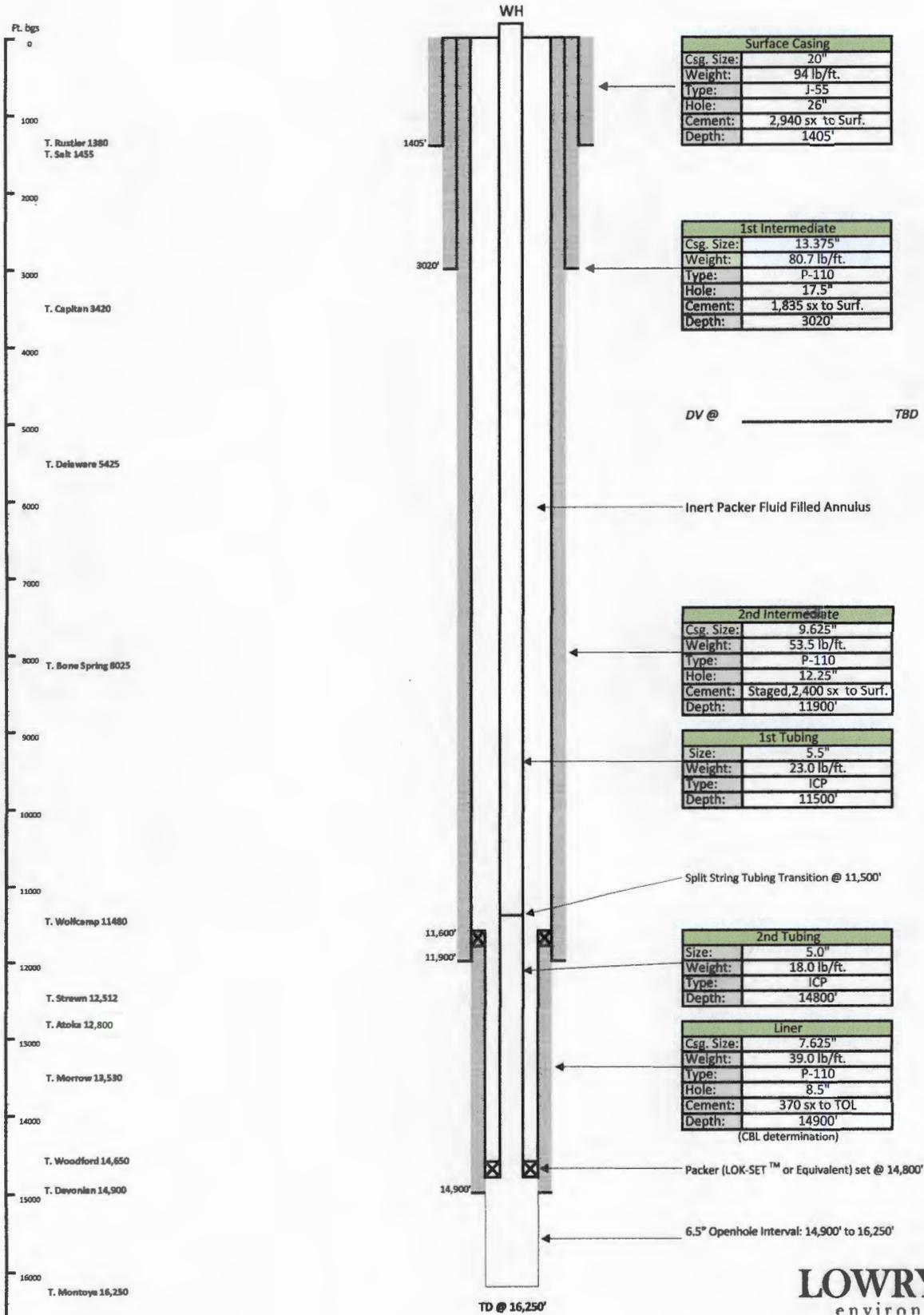
(5)

Estimated Depth of Various Formations Including Oil and Gas Zones (Ft. bgs)	
T. Rustler	1,380
T. Salt	1,455
T. Capitan	3,420
T. Delaware	5,425
T. Bone Spring	8,025
T. Wolfcamp	11,480
T. Strawn	12,512
T. Atoka	12,800
T. Morrow	13,530
T. Woodford Shale	14,650
T. Devonian	14,900
T. Montoya	16,250

There are no known oil and gas zones beneath the proposed injection zone.

# WELL SCHEMATIC

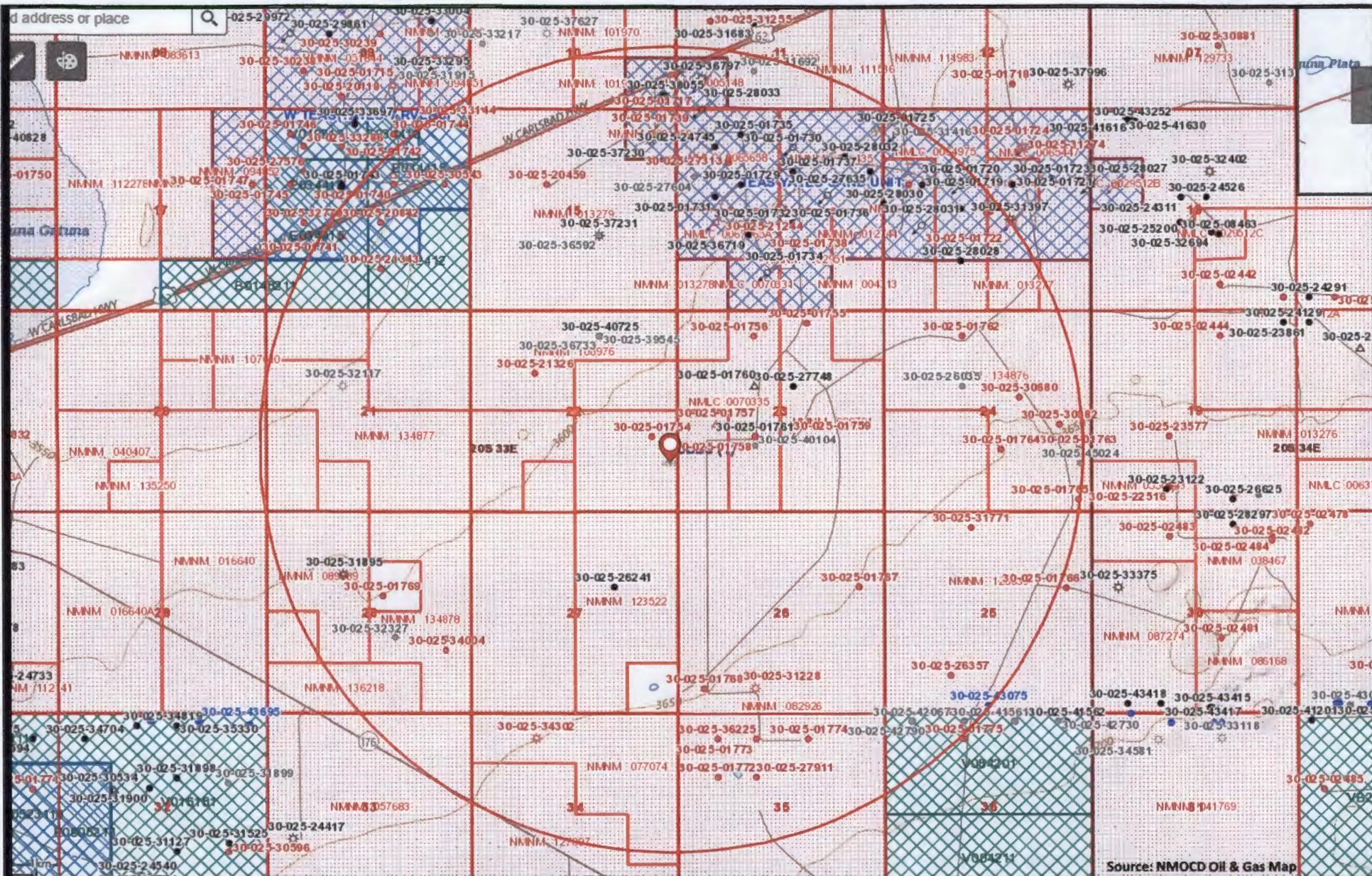
**Coombes SWD #1**  
 1630' FSL & 200' FEL, UL "I", Sec. 22, T20S, R33E  
 Eddy Co, New Mexico



## **ATTACHMENT #2**

**Figure 1 - 2-Mile Area of Review Map**

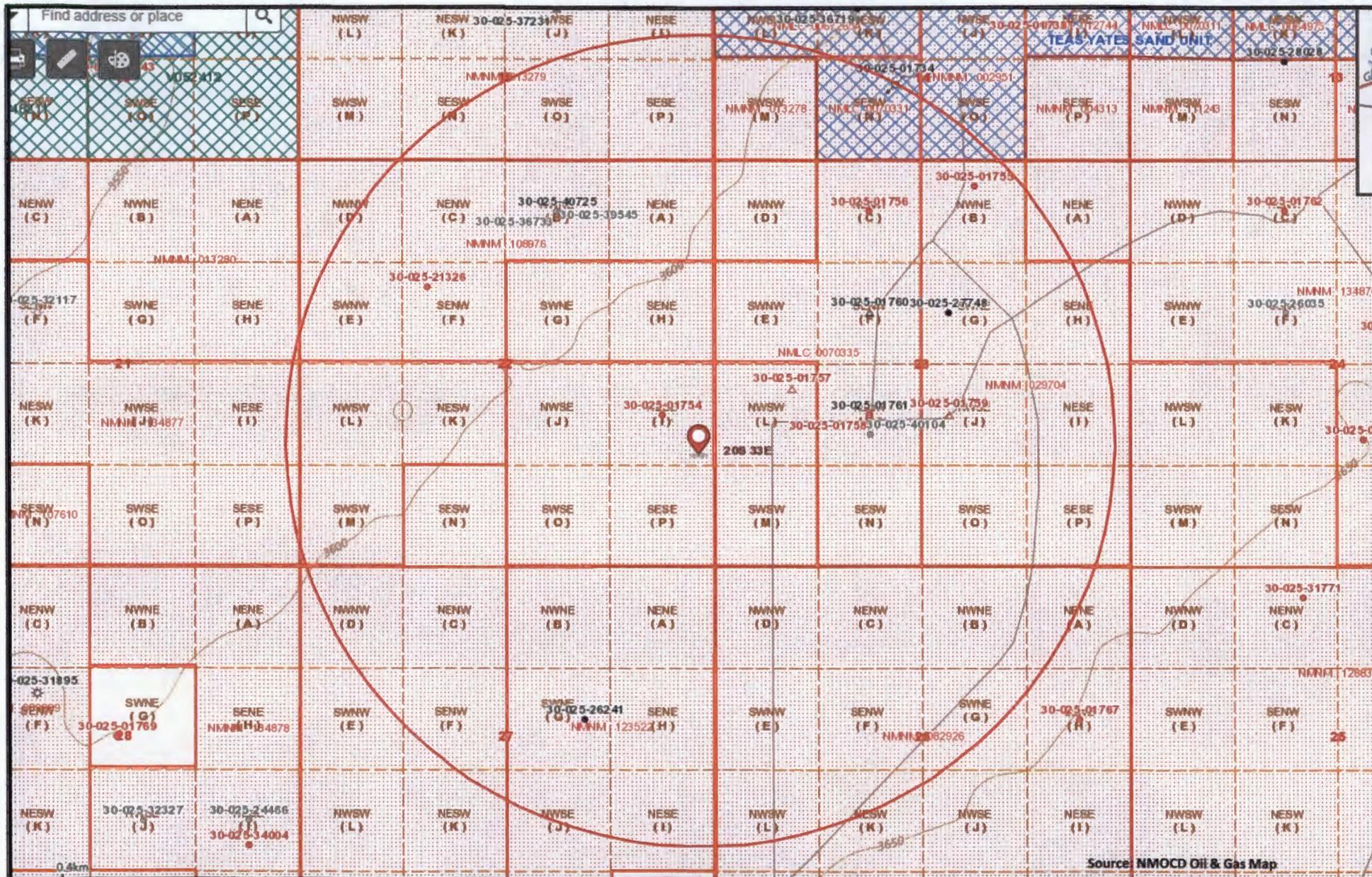
**Figure 2 - 1-Mile Area of Review Map**



- LEGEND:**
-  Proposed SWD Location
  -  2-Mile Radius

**Figure 1 - 2-Mile Area of Review Map**  
 Permian TDS, LLC  
 Coombes SWD #1  
 API No.  
 Legals: UL I, Sec. 22, T20S, R33E  
 Lea Co, New Mexico





- LEGEND:**
-  Proposed SWD Location
  -  1-Mile Radius

**Figure 2 - 1-Mile Area of Review Map**  
 Permian TDS, LLC  
 Coombes SWD #1  
 API No.  
 Legals: UL I, Sec. 22, T20S, R33E  
 Lea Co, New Mexico



## **ATTACHMENT #3**

### **Tabulation of Data Wells within AOR**



## **ATTACHMENT #4**

### **Proposed Operations**

**A. Source Zone Produced Water Analysis**

**B. Injection Zone Produced Water Analysis**

## VII. Proposed Operations

*Attach data on the proposed operation, including:*

- | Proposed Operation              |                   |
|---------------------------------|-------------------|
| (1) Average Rate:               | 20,000 bbls       |
| Maximum Rate:                   | 30,000 bbls       |
| (2) Open or Closed:             | Open              |
| (3) Average Injection Pressure: | 1,500 - 2,000 psi |
| Maximum Injection Pressure:     | 2,980 psi         |
- (4) *Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and*

The anticipated sources of produced water proposed to be injected into the Devonian and Silurian formations are from the Delaware, Wolfcamp and Bone Springs Formations, which are known to be compatible with formation water from the Devonian Formation. Laboratory analysis of water samples collected from the respective formations is provided as **Attachment #4a**.

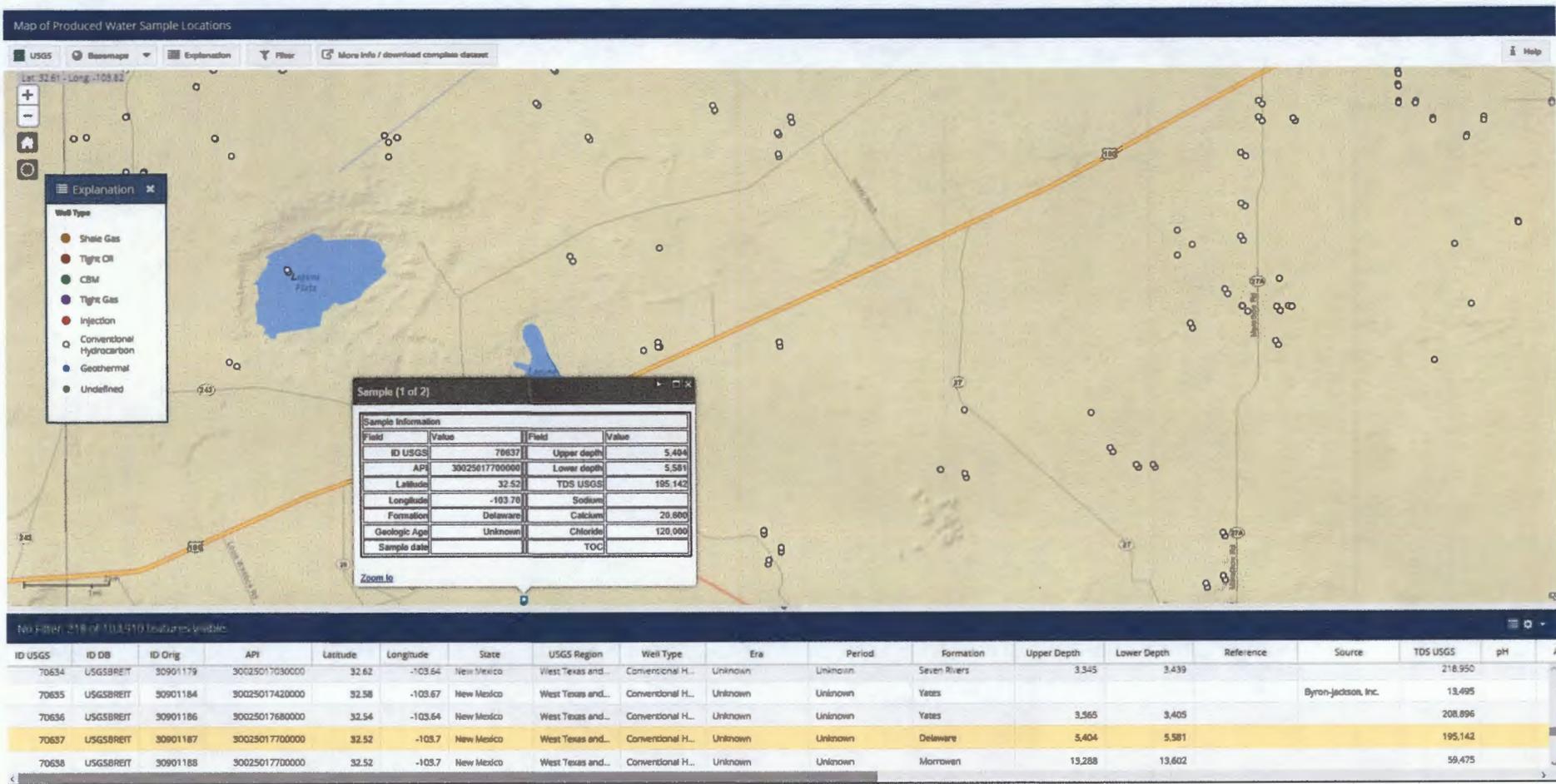
- (5) *If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water*

Laboratory analysis of water samples collected from the Devonian and Fusselman Formations are provided as **Attachment #4b**.

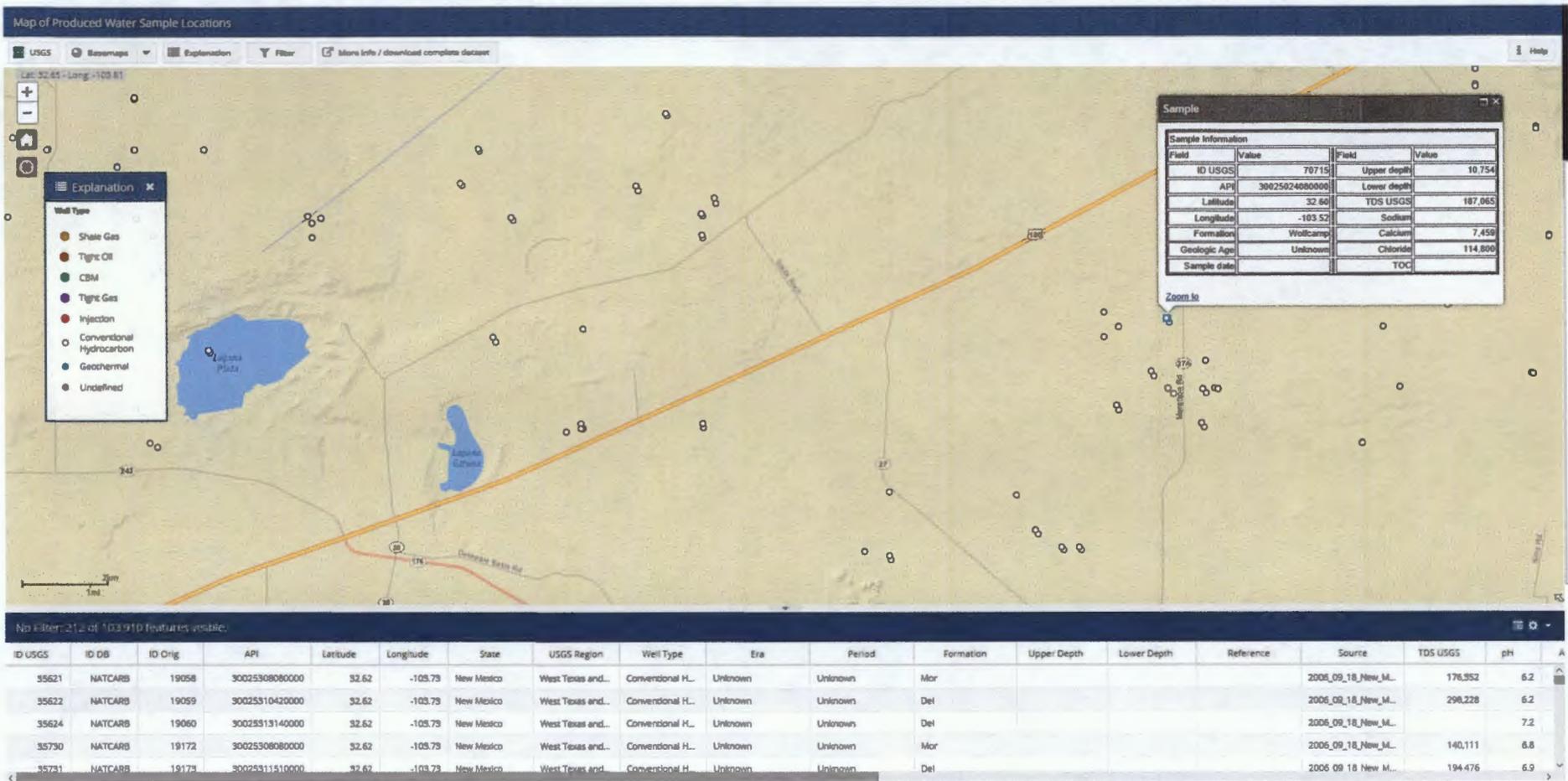
### Safety, Spill Prevention and Release Response

Above-ground storage tanks (ASTs) associated with the SWD operation will be placed into a steel-walled, lined containment system. The well, injection equipment and ASTs will be equipped with metering and pressure sensing devices in an effort to monitor and ensure the integrity of the equipment and prevent accidental releases to the environment.

In the event of an accidental release to the environment, a Release Notification (NMOCD Form C-141) will be prepared, characterizing the release and proposing remediation activities designed to mitigate environmental impacts, as necessary. In the event of an accidental discharge of greater than 25 bbls, the NMOCD will be notified immediately.



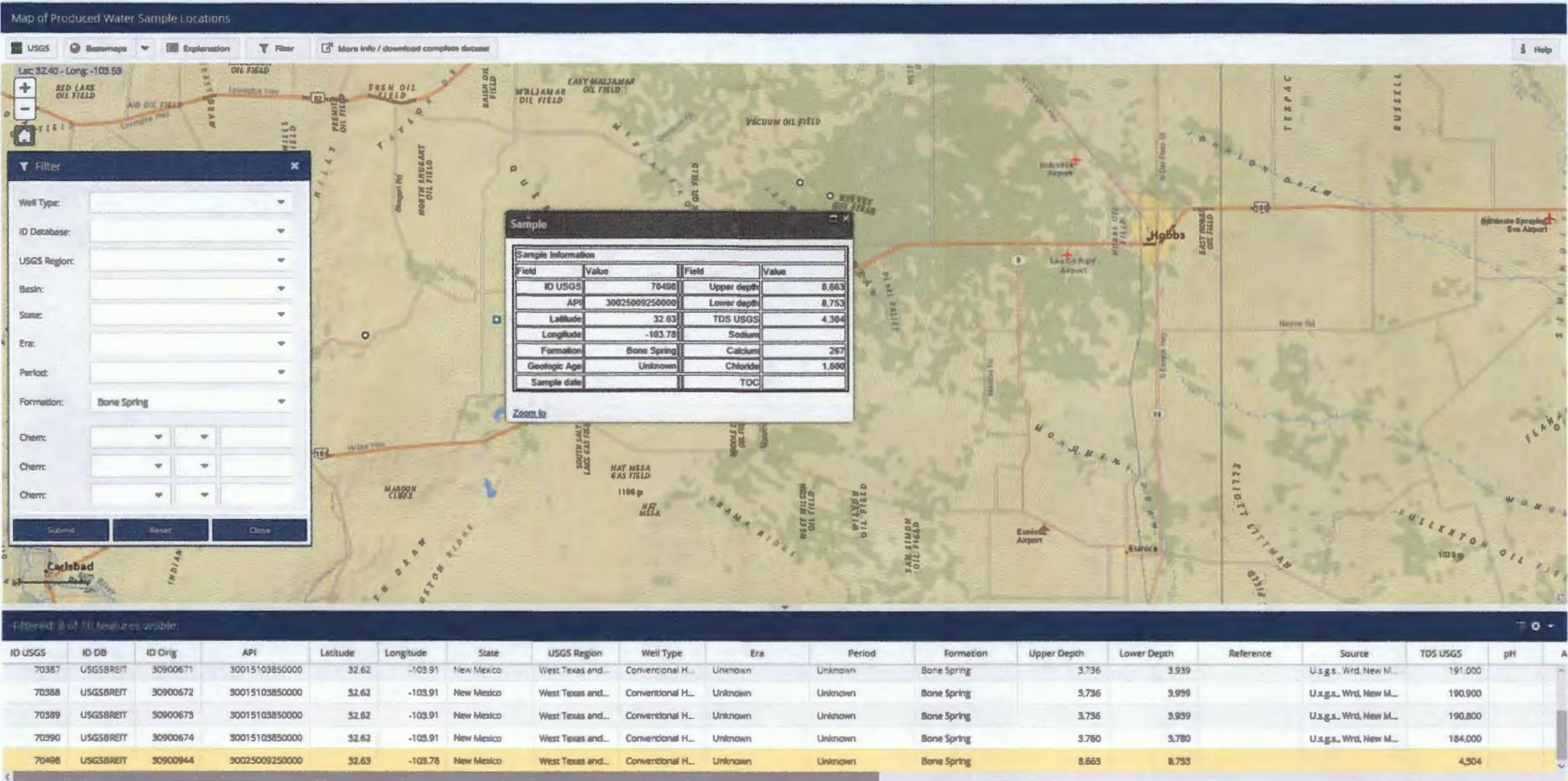
Attachment 4a – Source Zone Produced Water Analysis - Delaware



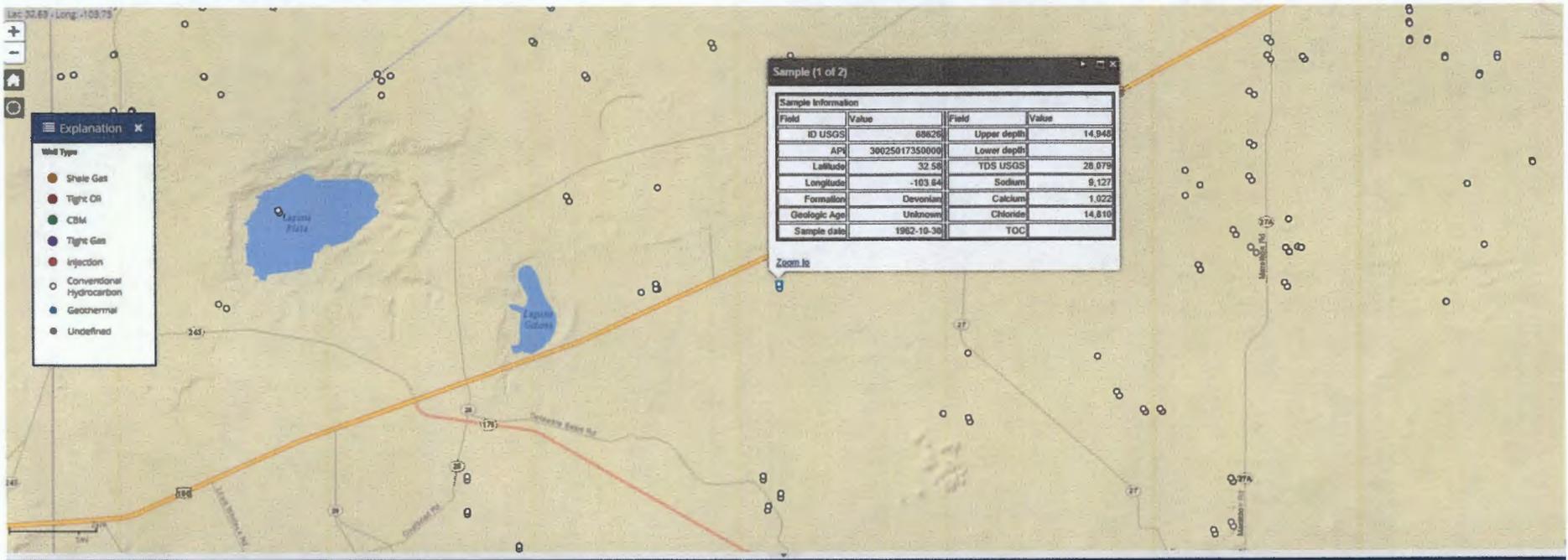
Attachment 4a – Source Zone Produced Water Analysis - Wolfcamp



Attachment 4a – Source Zone Produced Water Analysis – 2<sup>nd</sup> Bone Spring



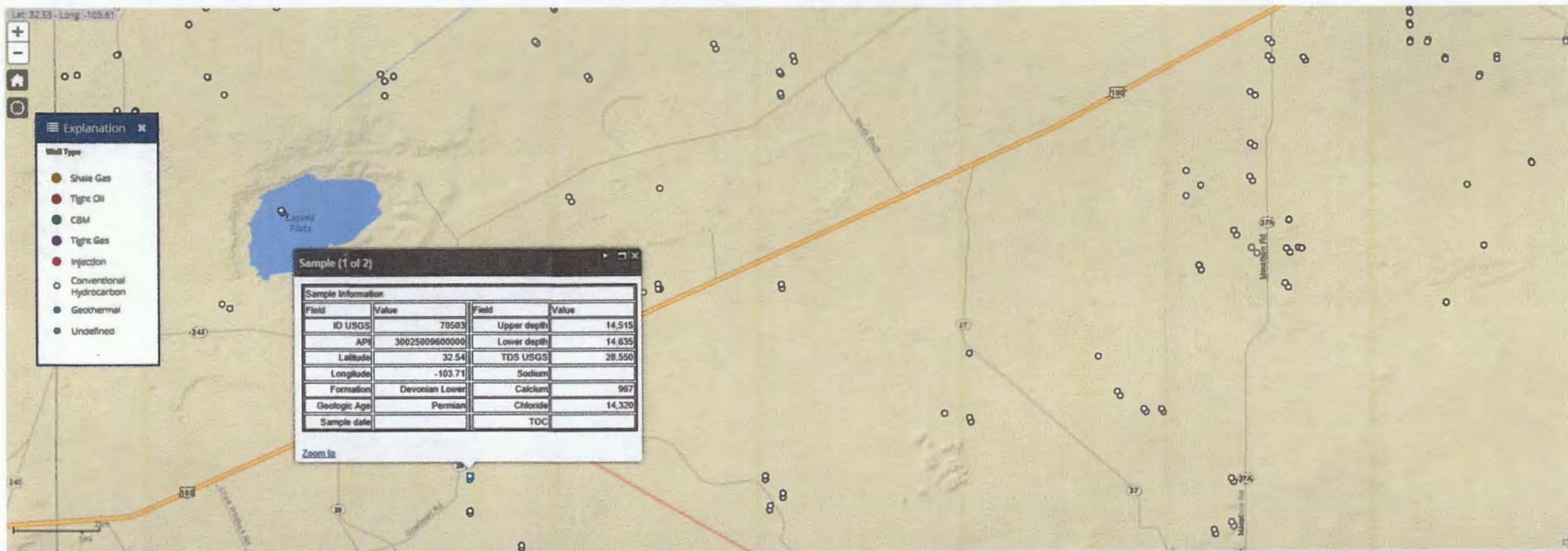
Attachment 4a – Source Zone Produced Water Analysis – Bone Spring



No filter - 278 of 103,910 features visible.

USGS	ID DB	ID Orig	API	Latitude	Longitude	State	USGS Region	Well Type	Era	Period	Formation	Upper Depth	Lower Depth	Reference	Source	TDS USGS	pH
35621	NATCARB	19058	30025308080000	32.62	-103.73	New Mexico	West Texas and...	Conventional H...	Unknown	Unknown	Mor				2006_09_18_New_M...	176.952	6.2
35622	NATCARB	19059	30025310420000	32.62	-103.73	New Mexico	West Texas and...	Conventional H...	Unknown	Unknown	Del				2006_09_18_New_M...	298.228	6.2
35624	NATCARB	19060	30025313140000	32.62	-103.73	New Mexico	West Texas and...	Conventional H...	Unknown	Unknown	Del				2006_09_18_New_M...		7.2
35730	NATCARB	19172	30025308080000	32.62	-103.73	New Mexico	West Texas and...	Conventional H...	Unknown	Unknown	Mor				2006_09_18_New_M...	140.111	6.8
35731	NATCARB	19173	30025311510000	32.62	-103.73	New Mexico	West Texas and...	Conventional H...	Unknown	Unknown	Del				2006_09_18 New M...	194.476	6.9

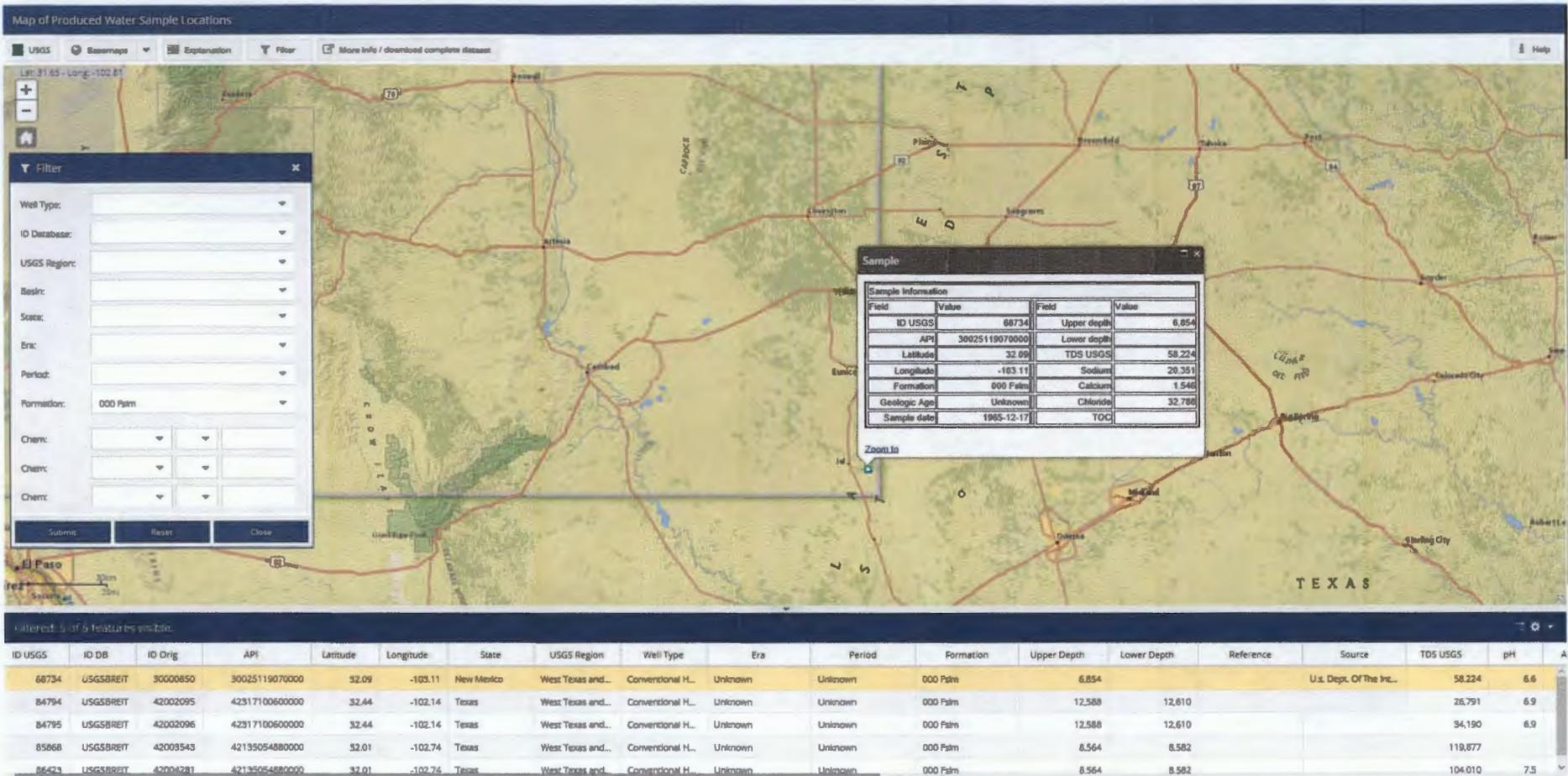
**Attachment 4b – Injection Zone Produced Water Analysis – Devonian**



11/1/2018 10:39:10 features visible

ID USGS	ID DB	ID Orig	API	Latitude	Longitude	State	USGS Region	Well Type	Era	Period	Formation	Upper Depth	Lower Depth	Reference	Source	TDS USGS	pH
70500	USGSBREIT	30900950	30025009350000	32.59	-103.76	New Mexico	West Texas and...	Conventional H...	Unknown	Unknown	Bear Spring	9,405	9,532		Shell Oil Co.	169,138	
70501	USGSBREIT	30900951	30025009350000	32.59	-103.76	New Mexico	West Texas and...	Conventional H...	Unknown	Unknown	Bear Spring	9,405	9,532			171,974	
70502	USGSBREIT	30900952	30025009350000	32.59	-103.76	New Mexico	West Texas and...	Conventional H...	Unknown	Unknown	Bear Spring	9,405	9,532			173,892	
70503	USGSBREIT	30900957	30025009600000	32.54	-103.71	New Mexico	West Texas and...	Conventional H...	Paleozoic	Permian	Devonian Lower	14,515	14,635			28,550	
70504	USGSBREIT	30900960	30025009600000	32.54	-103.71	New Mexico	West Texas and...	Conventional H...	Paleozoic	Permian	Devonian Lower	14,301				28,815	

Attachment 4b – Injection Zone Produced Water Analysis – Devonian



Attachment 4b – Injection Zone Produced Water Analysis – Fusselman

## **ATTACHMENT #5**

**A. Geological Description**

**B. Seismic Information**

## VIIIa Geologic Description

***a. Attach appropriate geologic data on the injection zone including appropriate lithological detail, geologic name, thickness, and depth.***

The proposed injection interval consists of sedimentary rock formations deposited during the Devonian and Silurian Periods. The Devonian Formation consists of porous dolomites, chert intervals and limestone (McGlasson, E.H. 1967). The thickness of the Devonian and Silurian Formations is estimated to be 1,350 feet (ft.). Sections of porous dolomite and limestone are believed to be present at the proposed injection site. The proposed injection interval is overlain by the Woodford Shale, which ranges in thickness from 100 to 300 ft. consists of organic-rich dark shales, black cherts, siltstone, sandstone and greenish-colored shales (Broadhead, R.F., 2010). Inferred depths of the proposed injection zone were estimated utilizing completions data from wells within the vicinity.

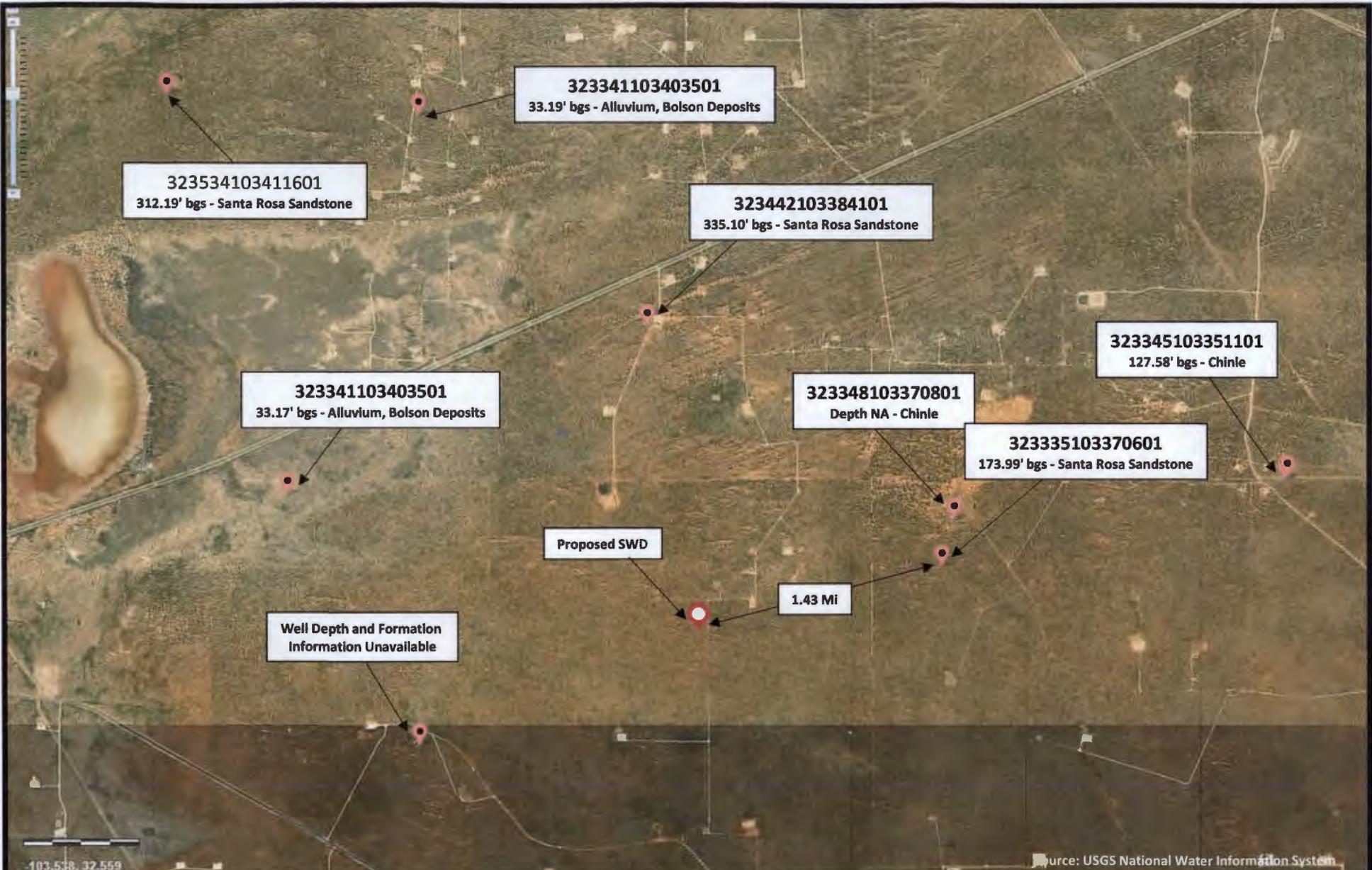
During the advancement of the proposed well, mud logging data will be utilized to ensure that the thickness of the Devonian and Silurian Formation is adequately defined, allowing for the proper placement of the packer, casing shoe and determination of the open-hole injection interval. Should logging data indicate depth adjustments are required, applicable Sundry Notices will be filed the NMOCD.

***b. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg// or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.***

A search of the NMOSE database suggests the presence of ten (10) wells within a 5-mile radius of the Site. The wells are were drilled to depths ranging from 60 to 1,000 ft. bgs; there are no water wells within a 1-Mile radius of the proposed injection well.

A search of the USGS database suggests the presence of eight (8) wells within the vicinity of the Site. The wells are were completed in Alluvium and Bolson Deposits; the Santa Rose Sandstone and the Chinle Formations. Data from wells with available information suggested static water levels ranged from 33.19 ft. bgs as measured within alluvium and bolson deposits approximately 3 miles north of the Site to 335.10 ft. bgs as measured in the Chinle Formation approximately 1.5 Mi north of the site.

Other known water sources in the area include the Rustler Formation, which is the first anhydrite of the Ochoan Series and the Capitan Limestone which is expected to be encountered at a depth of approximately 3,420 ft. bgs. The estimated thickness of the Capitan Limestone at the location is approximately 2,000 ft. Groundwater from the Capitan Limestone varies in quality and is inferred to exhibit elevated TDS and chloride concentrations locally.



**LEGEND:**  
 Proposed SWD Location

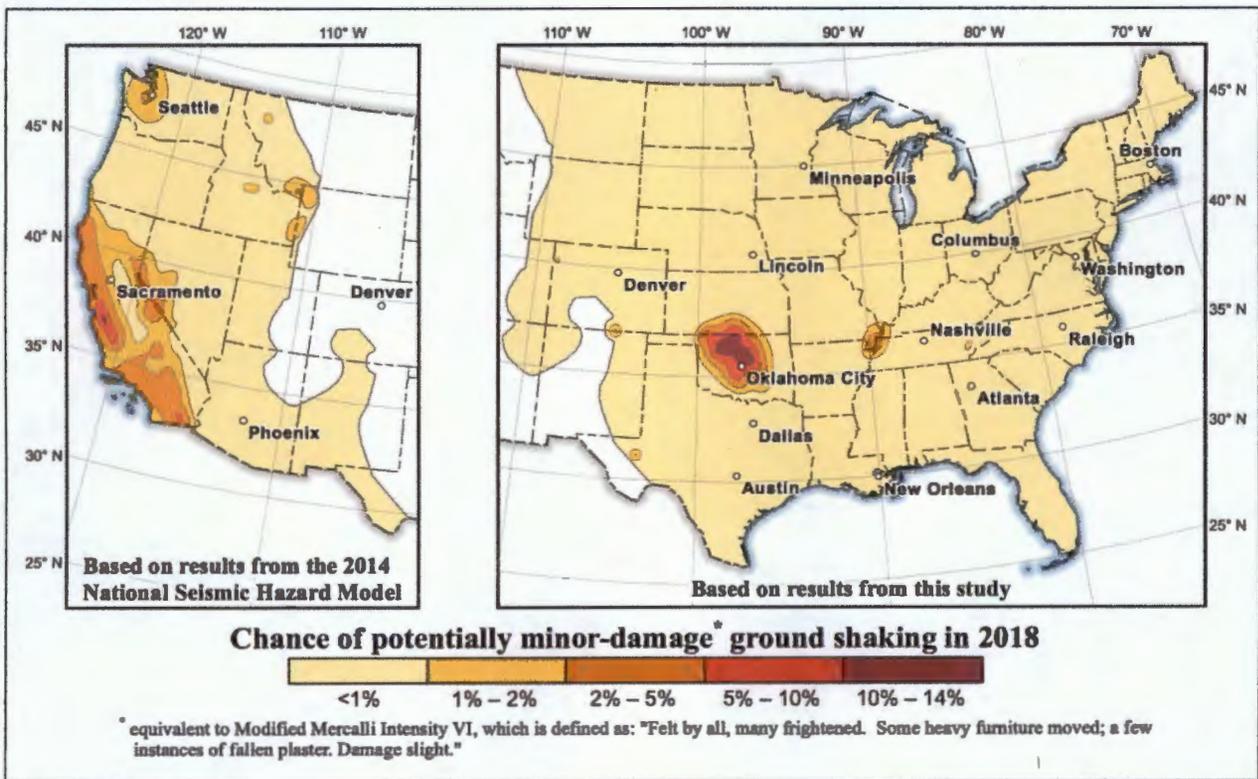
**Figure 3 - Groundwater Resource Map**  
 Permian TDS, LLC  
 Coombes SWD #1  
 API No.  
 Legals: UL I, Sec. 22,T20S, R33E  
 Lea Co, New Mexico



Drafted by: jwl    Checked by: client    Date: 2/11/2019

### VIIIb Seismic Information

Data from the 2018 USGS One-Year probabilistic seismic hazard forecast suggests there was a less than 1% chance of potentially minor-damage from induced and natural ground shaking in 2018, as depicted on the map below:



**Source:**

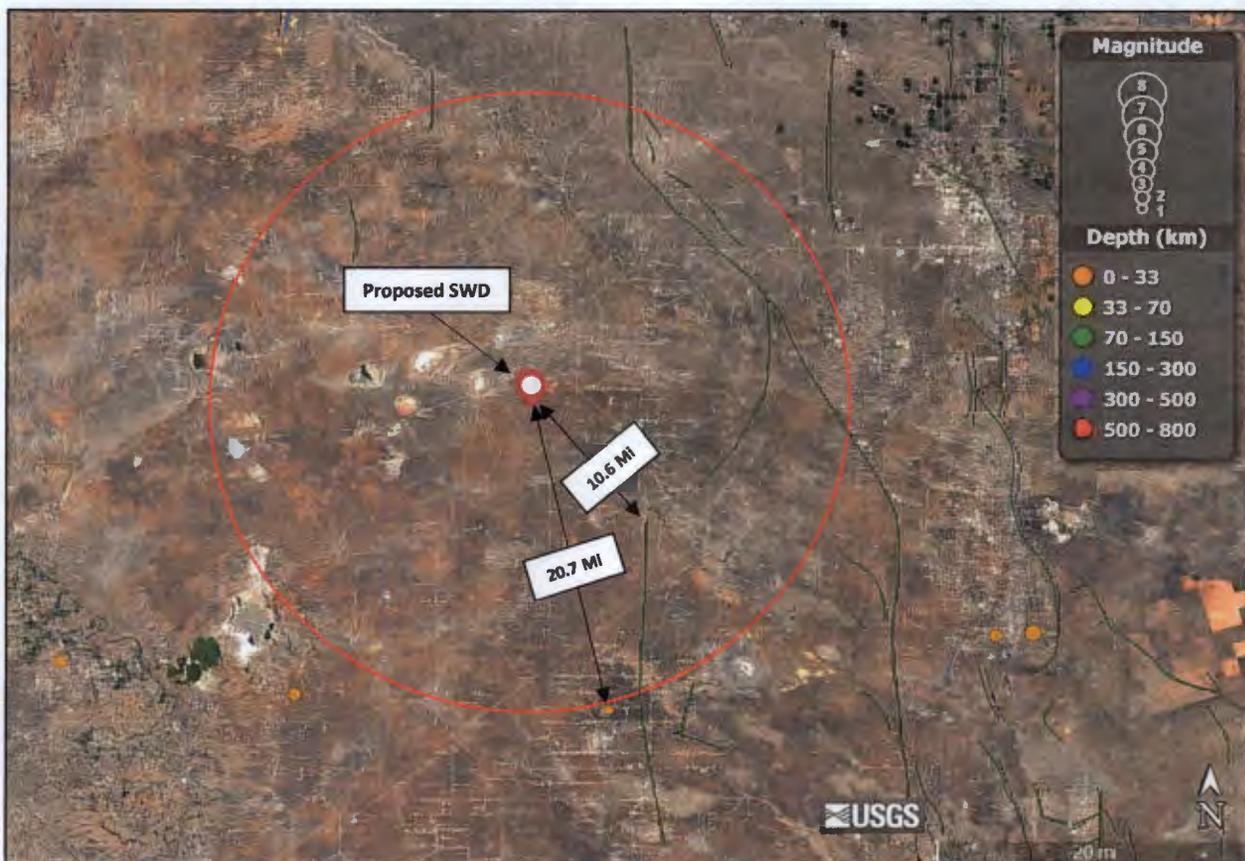
U.S. Geological Survey (USGS). February 2019. Earthquakes Hazard Program: Short-term Induced Seismicity Models. <https://earthquake.usgs.gov/hazards/induced/index.php#2018>

## VIIIb Seismic Information

The proposed injection well is located within the northern Delaware Basin in Unit Letter "I", Section 22, Township 20 South, Range 33 East in Lea County. A review of USGS data available on the ComCat Earthquake Catalog indicates no seismic activities exceeding a magnitude of 1.5 has been recorded between February 1900 and February 2019 within a 20-Mile radius of the Site.

The nearest fault trace is approximately 10.6 Mi southeast of the proposed injection well. The fault trace is indicative of a normal fault striking north-south. Additional north-south trending faults are located further east of the Site approaching the Central Basin Platform.

The nearest recorded seismic event registering above a Magnitude 0.5 (minimum search criteria used) occurred in 1984 and can be described as Magnitude 2.9 which occurred over 20 Mi South-Southeast of the Site at a depth of approximately 5 kilometers. The seismic event and basement faults within the subject area are depicted on the map below:



Faults traces are depicted as green linear features. Seismic events with available data are depicted as orange dots of which the size is representative of the magnitude. The red circle represents a 20-Mile radius of the proposed injection well. Details regarding the depicted faults are provided on the following page.

### Sources:

Bureau of Economic Geology. Accessed February 2019. Permian Basin Geologic Synthesis Project.

<https://gis.utlands.utsystem.edu/ags/rest/services/GeologicFeatures/MapServer>

U.S. Geological Survey (USGS). February 2019. Earthquakes Hazard Program: ComCat Earthquake Catalog.

<https://earthquake.usgs.gov/learn/kml.php>

## VIIIb Seismic Information

A recent publication prepared by Snee and Zoback (2018) entitled "State of Stress in the Permian Basin, Texas and New Mexico" discusses the fault slip potential of fault traces compiled from Ewing et al. (1990), Green and Jones (1997), Ruppel et al. (2005) as well USGS Quaternary Faults and Fold Database. A map detailing their findings with the proposed injection well location superimposed is provided below:

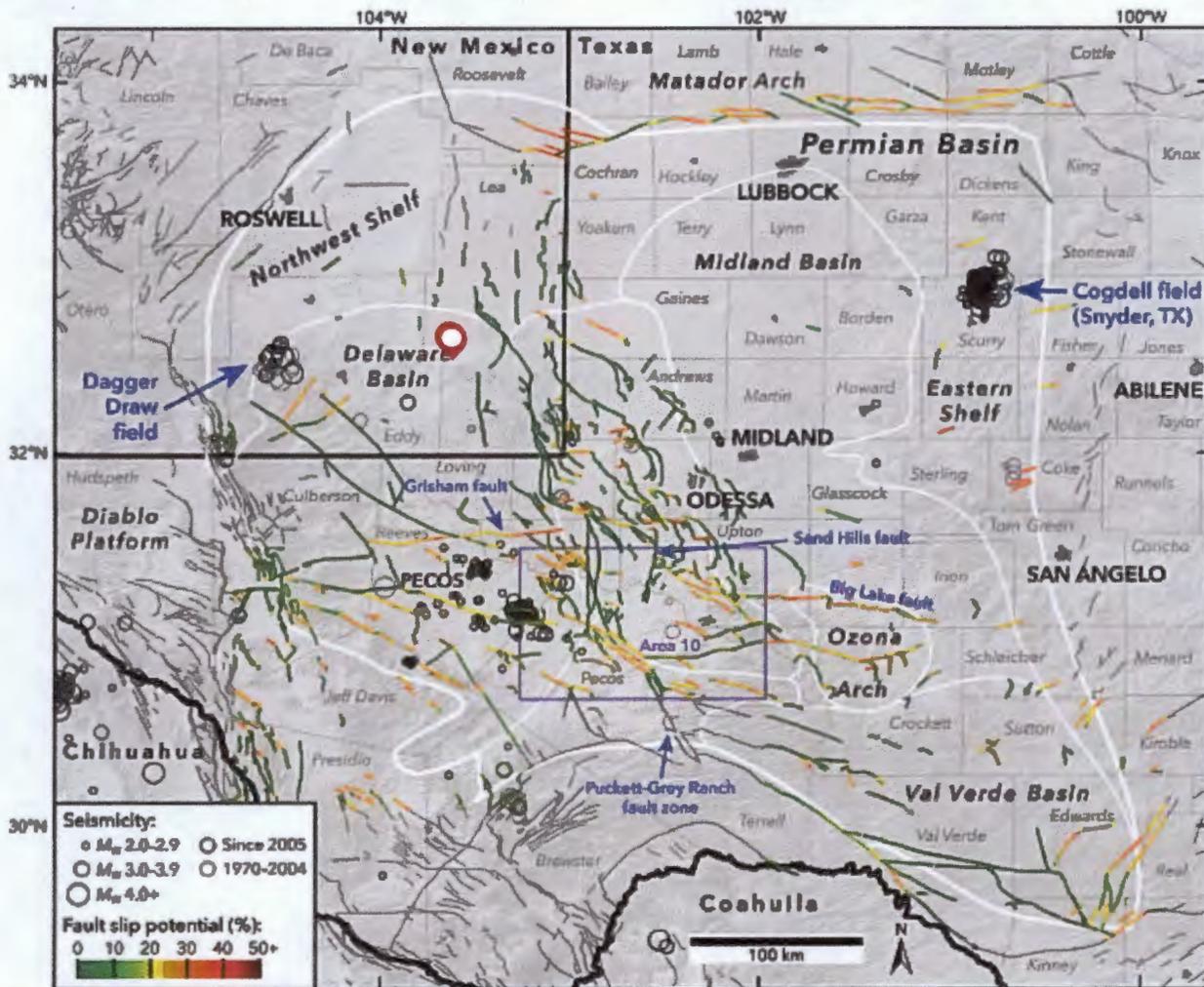


Figure 3. Results of our probabilistic FSP analysis across the Permian Basin. Data sources are as in Figures 1 and 2.

In general, faults within the Northern Delaware Basin striking north-south are less likely to experience slip as a result of increased fluid-pressure than faults striking east-west. Groups of north-south striking faults located along the Central Basin Platform and the western Delaware Basin have low fault slip potential.

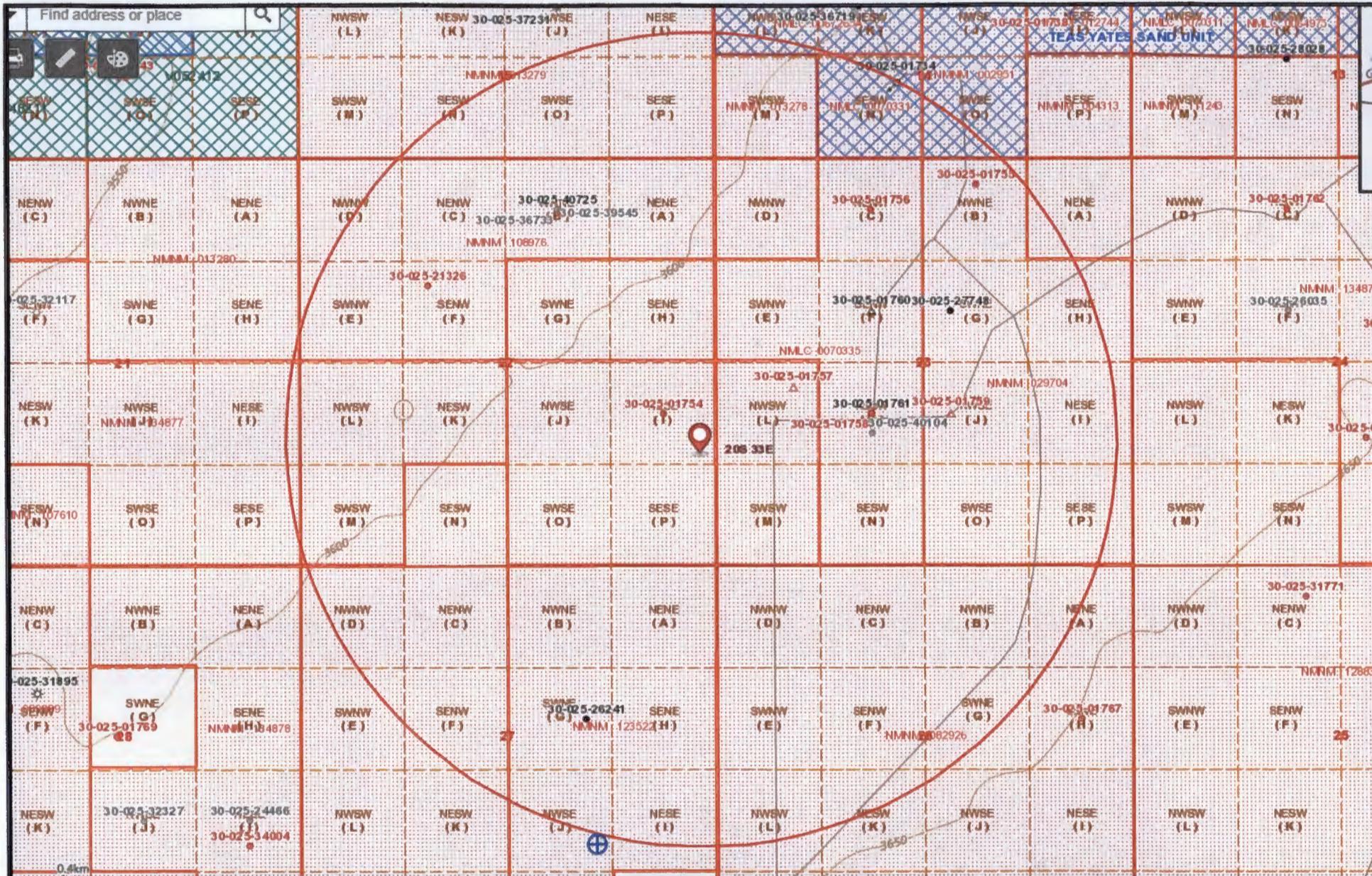
Based on the proposed injection well's distance to known faults, relative low faulting and seismic activity in the area, review of historical earthquake data and the presence of confining layers above and beneath the proposed injection zone, it is unlikely that the proposed injection activities will contribute to a fault-slip event.

### Source:

Snee, Jens-Erik Lund, and Mark D. Zoback. 2018 "State of Stress in the Permian Basin, Texas and New Mexico; Implication for Induced Seismicity." *The Leading Edge* 37 (February 2018).

**ATTACHMENT #6**

**Figure 4 - Water Well Proximity Map**



- LEGEND:**
-  Proposed SWD Location
  -  1-Mile Radius
  -  NMOSE Water Well (Reported)

**Figure 4 - Water Well Proximity Map**

Permian TDS, LLC  
 Coombes SWD #1  
 API No.

Legals: UL I, Sec. 22, T20S, R33E  
 Lea Co, New Mexico

**LOWRY**  
 environmental



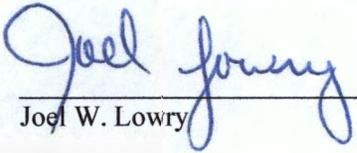
**ATTACHMENT #7**

**Affirmative Statement**

## XII. AFFIRMATIVE STATEMENT

**Re: Permian TDS, LLC  
Coombes SWD #1  
1630' FSL & 200' FEL, UL I, Sec. 22, T20S, R33E**

Available geologic and engineering data has been examined and we find no evidence of open faults or any hydrologic connection between the disposal interval and any underground sources of drinking water.

  
Joel W. Lowry



**ATTACHMENT #8**

**Proof of Notice Documentation**



## XIV. PROOF OF NOTICE

### Surface Owner:

**Malcomb Coombes**  
1015 N. Dal Paso  
Hobbs, NM 88240

### Mineral Owners within a One-Mile Radius:

**Bureau of Land Management**  
301 Dinosaur Trail  
Santa Fe, NM 87508

### Leasehold Operators within a One-Mile Radius:

**COG Operating LLC**  
600 W. Illinois Ave.  
Midland, TX 79701

**Prime Rock Resources Agent Co Inc.**  
203 W. Wall St STE 1000  
Midland, TX 79701

**Concho Resources Inc.**  
600 W. Illinois Ave.  
Midland, TX 79701

**COG Acreage LP**  
600 W. Illinois Ave  
Midland, TX 79701

**Ascent Energy LLC**  
1621 18th St. STE 200  
Denver, CO 80202

**Asher Enterprises LTD Co.**  
P.O. Box 423  
Artesia, NM 88211

**Trilogy Operating Inc.**  
P.O. Box 7606  
Midland, TX 79708

**PGP Holdings I LLC**  
104 Townpark Dr NW  
Kennesaw GA, 30144

**Magnum Hunter Production Inc.**  
508 W. Wall St. STE 600  
Midland, TX 79701

**Marathon Oil Permian LLC**  
5555 San Felipe St.  
Houston, TX 77056

**Conoco Philips Co.**  
P.O. Box 7500  
Bartlesville, OK 74005

**Chisos LTD**  
1331 Lamar St STE 1077  
Houston, TX 77010

**Sun Expl & Prod Co**  
P.O. Box 1330  
Houston, TX 77251

**Apache Corp.**  
2000 Post Oak Blvd STE 100  
Houston, TX 77056

## XIV. PROOF OF NOTICE

**Desert Rainbow LLC**  
P.O. Box 1837  
Roswell, NM 88202

**Hudson Edward R Jr.**  
616 Texas St  
Fort Worth, TX 76102

**Merit Energy PTNRS III LP**  
13727 Noel Rd #500  
Dallas, TX 75240

**Burlington Res Oil & Gas Co LP**  
P.O. Box 51810  
Midland, TX 79710

**Merit Energy PTNRS D-III LP**  
13727 Noel Rd #500  
Dallas, TX 75240

**APC Oper PTNRSHIP**  
1700 Lincoln St  
Denver, CO 80203

**Merit ENE MGT Partners I LP**  
13727 Noel Rd #500  
Dallas, TX 75240

**CTV OG NM LLC**  
201 Main St STE 2700  
Fort Worth, TX 76102

**Momentum Operating Co. Inc.**  
P.O. Box 578  
Albany, TX 76430

**Thru Line OG NM LLC**  
201 Main St #2700  
Fort Worth, TX 76102

**Woodbine Petro Inc.**  
1445 Ross Ave #3660  
Dallas, TX 752002

**SRBI OG NM LLC**  
201 Main St #2700  
Fort Worth, TX 76102

**Ard Julian**  
P.O. Box 17360  
Fort Worth, TX 76102

**Linn Energy Holdings LLC**  
600 Travis St. STE 1400  
Houston, TX 77002

**Regulatory Agency:**

**NMOCD - Santa Fe**  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

**NMOCD - District 1**  
1625 N. French Dr.  
Hobbs, NM 88240

XIV. PROOF OF NOTICE

7016 2290 0000 5825 4656

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

NIQUANO TX 79701

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Additional Services & Fees (Mail item will be returned if not paid)

Priority Mail Flat Rate™	\$7.50
Return Receipt for Merchandise	\$0.00
Insurance (up to \$500)	\$0.00
Signature Confirmation™	\$0.00
Registered Mail™	\$0.00
Adult Signature Restricted Delivery™	\$0.00
Adult Signature Restricted Delivery	\$0.00

Package \$2.05 03/12/2019

Total Postage and Fees \$8.35

Postmark Here

Send To: \_\_\_\_\_

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

PS Form 3800, April 2013 (with amendments) See Reverse for Instructions

7016 2290 0000 5825 4663

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

ROSWELL, NM 88202

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Additional Services & Fees (Mail item will be returned if not paid)

Priority Mail Flat Rate™	\$2.80
Return Receipt for Merchandise	\$0.00
Insurance (up to \$500)	\$0.00
Signature Confirmation™	\$0.00
Registered Mail™	\$0.00
Adult Signature Restricted Delivery™	\$0.00
Adult Signature Restricted Delivery	\$0.00

Package \$2.05 03/12/2019

Total Postage and Fees \$8.35

Postmark Here

Send To: \_\_\_\_\_

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

PS Form 3800, April 2013 (with amendments) See Reverse for Instructions

7016 2210 0000 5825 4670

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

FORT WORTH TX 76192

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Additional Services & Fees (Mail item will be returned if not paid)

Priority Mail Flat Rate™	\$2.80
Return Receipt for Merchandise	\$0.00
Insurance (up to \$500)	\$0.00
Signature Confirmation™	\$0.00
Registered Mail™	\$0.00
Adult Signature Restricted Delivery™	\$0.00
Adult Signature Restricted Delivery	\$0.00

Package \$2.05 03/12/2019

Total Postage and Fees \$8.35

Postmark Here

Send To: \_\_\_\_\_

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

PS Form 3800, April 2013 (with amendments) See Reverse for Instructions

7016 2290 0000 5825 4667

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

NIQUANO TX 79701

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Additional Services & Fees (Mail item will be returned if not paid)

Priority Mail Flat Rate™	\$2.80
Return Receipt for Merchandise	\$0.00
Insurance (up to \$500)	\$0.00
Signature Confirmation™	\$0.00
Registered Mail™	\$0.00
Adult Signature Restricted Delivery™	\$0.00
Adult Signature Restricted Delivery	\$0.00

Package \$2.05 03/17/2019

Total Postage and Fees \$8.35

Postmark Here

Send To: \_\_\_\_\_

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

PS Form 3800, April 2013 (with amendments) See Reverse for Instructions

7016 2290 0000 5825 4694

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

NIQUANO TX 79701

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Additional Services & Fees (Mail item will be returned if not paid)

Priority Mail Flat Rate™	\$2.80
Return Receipt for Merchandise	\$0.00
Insurance (up to \$500)	\$0.00
Signature Confirmation™	\$0.00
Registered Mail™	\$0.00
Adult Signature Restricted Delivery™	\$0.00
Adult Signature Restricted Delivery	\$0.00

Package \$2.05 03/12/2019

Total Postage and Fees \$8.35

Postmark Here

Send To: \_\_\_\_\_

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

PS Form 3800, April 2013 (with amendments) See Reverse for Instructions

7016 2290 0000 5825 4717

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

NIQUANO TX 79701

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Additional Services & Fees (Mail item will be returned if not paid)

Priority Mail Flat Rate™	\$2.80
Return Receipt for Merchandise	\$0.00
Insurance (up to \$500)	\$0.00
Signature Confirmation™	\$0.00
Registered Mail™	\$0.00
Adult Signature Restricted Delivery™	\$0.00
Adult Signature Restricted Delivery	\$0.00

Package \$2.05 03/12/2019

Total Postage and Fees \$8.35

Postmark Here

Send To: \_\_\_\_\_

Street and Apt. No., or PO Box No. \_\_\_\_\_

City, State, ZIP+4® \_\_\_\_\_

PS Form 3800, April 2013 (with amendments) See Reverse for Instructions

XIV. PROOF OF NOTICE

7016 2290 0000 5825 4595

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

HOUSTON TX 77210

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Postmark Here

Return Receipt by First-Class Mail® \$0.00  
 Return Receipt by Registered Mail® \$0.00  
 Certified Mail Restricted Delivery® \$0.00  
 Adult Signature Required \$0.00  
 Adult Signature Restricted Delivery® \$0.00

Postage \$2.05

Total Postage and Fees \$5.35

03/12/2019

USPS

PS Form 3800, April 2017 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 2290 0000 5825 4601

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

DALEISSY TX 75240

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Postmark Here

Return Receipt by First-Class Mail® \$0.00  
 Return Receipt by Registered Mail® \$0.00  
 Certified Mail Restricted Delivery® \$0.00  
 Adult Signature Required \$0.00  
 Adult Signature Restricted Delivery® \$0.00

Postage \$2.05

Total Postage and Fees \$5.35

03/12/2019

USPS

PS Form 3800, April 2017 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 2290 0000 5825 4616

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

HOUSTON TX 77055

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Postmark Here

Return Receipt by First-Class Mail® \$0.00  
 Return Receipt by Registered Mail® \$0.00  
 Certified Mail Restricted Delivery® \$0.00  
 Adult Signature Required \$0.00  
 Adult Signature Restricted Delivery® \$0.00

Postage \$2.05

Total Postage and Fees \$5.35

03/12/2019

USPS

PS Form 3800, April 2017 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 2290 0000 5825 4625

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

HOUSTON TX 77055

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Postmark Here

Return Receipt by First-Class Mail® \$0.00  
 Return Receipt by Registered Mail® \$0.00  
 Certified Mail Restricted Delivery® \$0.00  
 Adult Signature Required \$0.00  
 Adult Signature Restricted Delivery® \$0.00

Postage \$2.05

Total Postage and Fees \$5.35

03/12/2019

USPS

PS Form 3800, April 2017 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 2290 0000 5825 4632

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

HOUSTON TX 77261

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Postmark Here

Return Receipt by First-Class Mail® \$0.00  
 Return Receipt by Registered Mail® \$0.00  
 Certified Mail Restricted Delivery® \$0.00  
 Adult Signature Required \$0.00  
 Adult Signature Restricted Delivery® \$0.00

Postage \$2.05

Total Postage and Fees \$5.35

03/12/2019

USPS

PS Form 3800, April 2017 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 2290 0000 5825 4649

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

DALEISSY TX 75240

**OFFICIAL USE**

Certified Mail Fee \$3.50 0660 11

Postmark Here

Return Receipt by First-Class Mail® \$0.00  
 Return Receipt by Registered Mail® \$0.00  
 Certified Mail Restricted Delivery® \$0.00  
 Adult Signature Required \$0.00  
 Adult Signature Restricted Delivery® \$0.00

Postage \$2.05

Total Postage and Fees \$5.35

03/12/2019

USPS

PS Form 3800, April 2017 (PSN 7530-02-000-9000) See Reverse for Instructions

XIV. PROOF OF NOTICE

7016 3090 0002 1929 4127

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

HOUSTON TX 77002

**OFFICIAL USE**

Certified Mail Fee \$3.50

Postage \$2.05

Total Package and Postage \$5.55

03/12/2019

Postmark Date

03/12/2019

PS Form 3825, April 2011 (Rev. 10/2012) See Reverse for Instructions

7016 3090 0002 1929 4124

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

HOUSTON TX 77002

**OFFICIAL USE**

Certified Mail Fee \$3.50

Postage \$2.05

Total Package and Postage \$5.55

03/12/2019

Postmark Date

03/12/2019

PS Form 3825, April 2011 (Rev. 10/2012) See Reverse for Instructions

7016 3090 0002 1929 4133

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

HOUSTON TX 77002

**OFFICIAL USE**

Certified Mail Fee \$3.50

Postage \$2.05

Total Package and Postage \$5.55

03/12/2019

Postmark Date

03/12/2019

PS Form 3825, April 2011 (Rev. 10/2012) See Reverse for Instructions

7016 2290 0000 5825 4564

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

DALE IS TX 75240

**OFFICIAL USE**

Certified Mail Fee \$3.50

Postage \$1.90

Total Package and Postage \$5.20

03/12/2019

Postmark Date

03/12/2019

PS Form 3825, April 2011 (Rev. 10/2012) See Reverse for Instructions

7016 2290 0000 5825 4588

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

HOUSTON TX 77002

**OFFICIAL USE**

Certified Mail Fee \$3.50

Postage \$2.05

Total Package and Postage \$5.55

03/12/2019

Postmark Date

03/12/2019

PS Form 3825, April 2011 (Rev. 10/2012) See Reverse for Instructions

7016 2290 0000 5825 4573

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

FORT WORTH TX 76102

**OFFICIAL USE**

Certified Mail Fee \$3.50

Postage \$2.05

Total Package and Postage \$5.55

03/12/2019

Postmark Date

03/12/2019

PS Form 3825, April 2011 (Rev. 10/2012) See Reverse for Instructions



XIV. PROOF OF NOTICE

7016 2290 0000 5825 4700

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

**OFFICIAL USE**

MI020NDX TX 79701

Certified Mail Fee \$3.50 0660 11

Extra Services & Fees (prices may vary by ZIP Code)

<input type="checkbox"/> Return Receipt (hardcopy)	\$2.80
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$2.05

Total Postage and Fees \$5.35 03/12/2019

Send to:

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

PS Form 3825, April 2019 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 2290 0000 5825 4731

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

**OFFICIAL USE**

MI020NDX TX 79701

Certified Mail Fee \$3.50 0660 11

Extra Services & Fees (prices may vary by ZIP Code)

<input type="checkbox"/> Return Receipt (hardcopy)	\$2.80
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$2.05

Total Postage and Fees \$5.35 03/12/2019

Send to:

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

PS Form 3825, April 2019 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 2290 0000 5825 4724

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

**OFFICIAL USE**

H0285, NH 08240

Certified Mail Fee \$3.50 0660 11

Extra Services & Fees (prices may vary by ZIP Code)

<input type="checkbox"/> Return Receipt (hardcopy)	\$2.80
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$2.05

Total Postage and Fees \$5.35 03/12/2019

Send to:

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

PS Form 3825, April 2019 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 3090 0002 1929 4025

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

**OFFICIAL USE**

FL00000000 FL 32132

Certified Mail Fee \$3.50 0660 11

Extra Services & Fees (prices may vary by ZIP Code)

<input type="checkbox"/> Return Receipt (hardcopy)	\$2.80
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$2.05

Total Postage and Fees \$5.35 03/12/2019

Send to:

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

PS Form 3825, April 2019 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 3090 0002 1929 4032

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

**OFFICIAL USE**

MI020NDX TX 79701

Certified Mail Fee \$3.50 0660 11

Extra Services & Fees (prices may vary by ZIP Code)

<input type="checkbox"/> Return Receipt (hardcopy)	\$2.80
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$2.05

Total Postage and Fees \$5.35 03/12/2019

Send to:

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

PS Form 3825, April 2019 (PSN 7530-02-000-9000) See Reverse for Instructions

7016 3090 0002 1929 4049

U.S. Postal Service™  
**CERTIFIED MAIL® RECEIPT**  
 Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)™

**OFFICIAL USE**

MI020NDX TX 79701

Certified Mail Fee \$3.50 0660 11

Extra Services & Fees (prices may vary by ZIP Code)

<input type="checkbox"/> Return Receipt (hardcopy)	\$2.80
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$2.05

Total Postage and Fees \$5.35 03/12/2019

Send to:

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

PS Form 3825, April 2019 (PSN 7530-02-000-9000) See Reverse for Instructions

XIV. PROOF OF NOTICE

Affidavit of Publication

Copy of Publication

**Affidavit of Publication**

STATE OF NEW MEXICO )  
 ) ss.  
COUNTY OF LEA )

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Manager of THE LOVINGTON LEADER, a once a week newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Legal Notice was published in a regular and entire issue of THE LOVINGTON LEADER and not in any supplement thereof, for one (1) day(s), beginning with the issue of March 7, 2019 and ending with the issue of March 7, 2019.

And that the cost of publishing said notice is the sum of \$ 34.46 which sum has been (Paid) as Court Costs.

Joyce Clemens  
Joyce Clemens, Advertising Manager  
Subscribed and sworn to before me this 12th day of March, 2019.

Gina Fort  
Gina Fort  
Notary Public, Lea County, New Mexico  
My Commission Expires June 30, 2022



LEGAL NOTICE

Permian TDS, LLC, PO Box 788, Lovington, NM 88260, is filing Form C-108 for an application for Authority to Inject with the New Mexico Oil and Conservation Division requesting administrative approval for a salt water disposal well. The proposed newly drilled well, the Coombes SWD No. 1 is located at 1630' FSL & 200' FEL, Section 22, Township 20S Range 33E, N.M.P.M., Lea County, New Mexico approximately 33 miles West/Southwest of Hobbs, NM. (API # to be assigned). Produced water from area oil and gas producing wells will be commercially disposed into the Devonian and Silurian formations from 14,900' to 16,250' below surface. Expected maximum injection rate is 30,000 bpd, and the expected maximum injection pressure is 2,980 psi. Questions concerning the application can be directed to the applicant's agent Lowry Environmental LLC, PO Box 948, Lovington, NM 88260, by phone (432) 466-4450 or email joel@lowryenvironmental.com. Objections or requests for hearing must be directed to the Oil Conservation Division, (505) 476-3440, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within 15 days.

Published in the Lovington Leader March 7, 2019

