Initial

Application

Part I

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

JUN 24 2019 PM 02:18

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
06/24/2019		SWD	pMAM19177 49148

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: LilyStream Water Solutions, LLC **OGRID Number:** 373500
Well Name: Berry Allred SWD #3 **API:** 30-015-xxxxx
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

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

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

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

6/12/2019
Date

432-466-4450
Phone Number

joel@lowryenvironmental.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. *OPERATOR:* **LilyStream Water Solutions, LLC**
ADDRESS: **1308 West Ave. N, Lovington, NM, 88260**
CONTACT PARTY: **Joel Lowry** *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 Lowry *TITLE:* Agent of Lilystream Water Solutions, 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

Attachment #1 **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	LilyStream Water Solutions, LLC
Lease Name & Well No.	Berry Allred SWD #3
Location	3,200' FNL & 250' FEL, Lot 9, Sec. 6, T21S, R32E

(2)

Casing Information								
String	Size (in.)	Grade	Weight	Setting Depth (ft bgs)	Cement (sx)	Hole Size (in.)	Estimated Top of Cement	Method of Determination
Surface	20	J-55	94.0 lb/ft.	1,310	2,000	26	Surface	Circulation
Intermediate 1	13.375	P-110	80.7 lb/ft	5,445	3,500	17.5	Surface	Circulation
Production	9.625	P-110	53.5 lb/ft.	11,775	3,100	12.25	Surface	Circulation
Liner	7.625	P-110	39.0 lb/ft.	11475 to 14385	300	8.5	11475' (TOL)	CBL

(3)

Description of Tubing			
Size	Weight	Lining Material	Setting Depth (ft.)
5.5"	23.0 lb/ft	Internal Plastic Coated	11,415
5"	18.0 lb/ft	Internal Plastic Coated	14,285

(4)

Packer Information	
Type	Setting Depth (ft.)
LOK-SET ™ or Equivalent	14,285

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.

Injection Information		
(1)	Name of Injection Formation:	Devonian-Silurian
(2)	Injection Interval:	14385 to 15600 ft.
	Perforated or Open-Hole:	Open Hole
(3)	Purpose of Well:	New Drill for Salt Water Disposal
(4)	Other Perforated Intervals:	None

(5)

Estimated Depth of Various Formations Including Oil and Gas Zones (ft. bgs)	
T. Rustler	1,285
T. Salt	1,500
B. Salt	3,097
T. Capitan	3,310
T. Delaware	5,345
T. Bone Spring	8,235
T. Wolfcamp	11,375
T. Strawn	12,625
T. Atoka	12,875
T. Morrow	13,415
T. Missippian	13,685
T. Woodford Shale	14,240
T. Devonian	14,385
T. Montoya	15,600

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

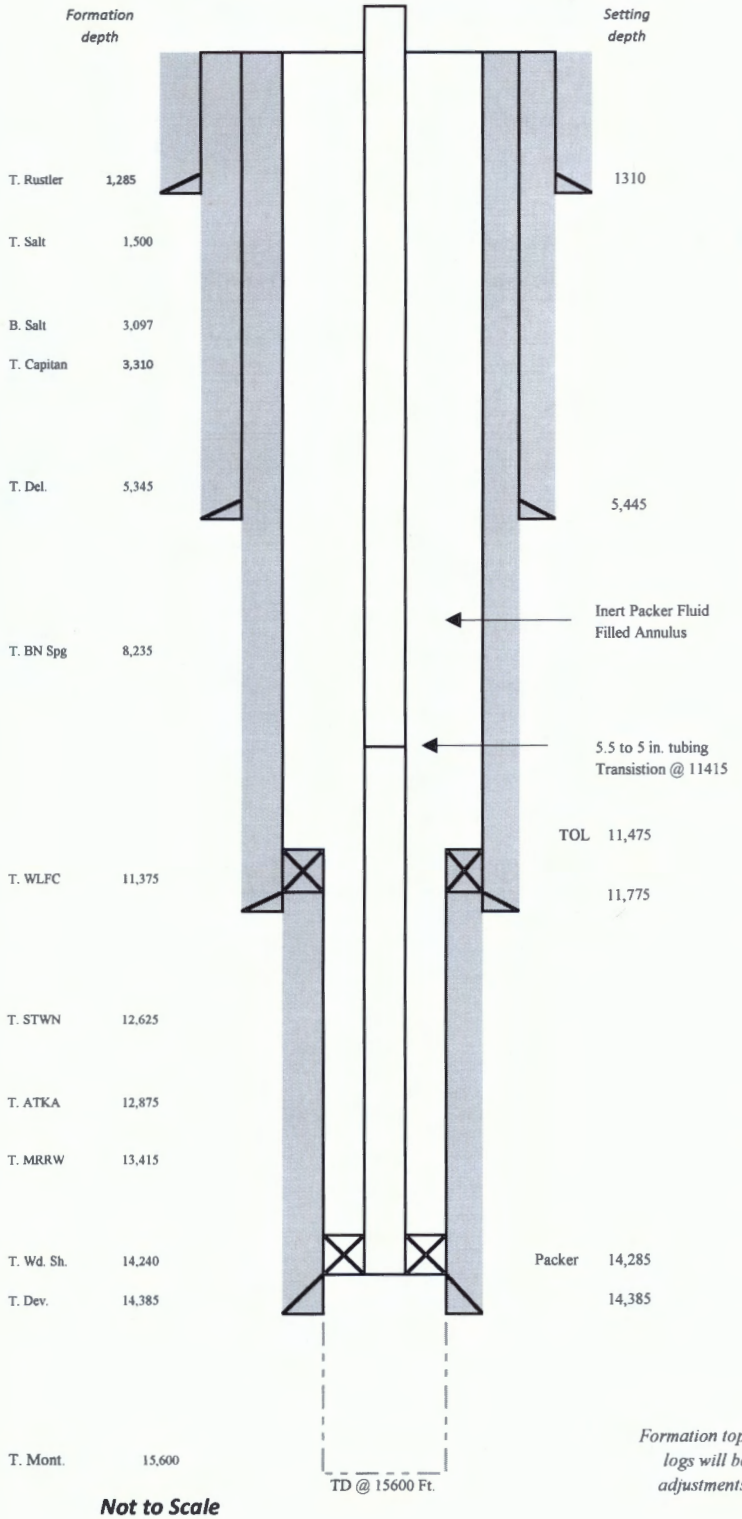
INJECTION WELL DATA SHEET

OPERATOR: **LilyStream Water Solutions, LLC**

WELL NAME & NUMBER: **Berry Allred SWD #3**

WELL LOCATION					
3,200' FNL & 250' FEL	**9**	**6**	**21S**	**32E**
FOOTAGE LOCATION	LOT	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



Not to Scale

WELL CONSTRUCTION DATA

Surface Casing

Hole Size **26** in. Casing Size: **20** in.

Setting Depth: **Surface** ft. to **1,310** ft.

Cemented with: **2000** sx. or _____ ft^3

Top of Cement: **Surface** Method Determined **Circulation**

1st Intermediate Casing

Hole Size **17.5** in. Casing Size: **13.375** in.

Setting Depth: **Surface** ft. to **5,445** ft.

Cemented with: **3500** sx. or _____ ft^3

Top of Cement: **Surface** Method Determined **Circulation**

Production Casing

Hole Size **12.25** in. Casing Size: **9.625** in.

Setting Depth: **Surface** ft. to **11,775** ft.

Cemented with: **3100** sx. or _____ ft^3

Top of Cement: **Surface** Method Determined **Circulation**

Liner

Hole Size **8.5** in. Casing Size: **7.625** in.

Setting Depth: **11,475** ft. to **14,385** ft.

Cemented with: **300** sx. or _____ ft^3

Top of Cement: **11475** TOL Method Determined **CBL**

Open Hole Injection Interval

14,385 ft. to **15,600** ft

Formation tops have been extrapulated from control wells in the vicinity. During drilling activites, mud and other logs will be utilized to confirm depths and thicknesses of geologic formations. Should logging data indicate adjustments are required to the casing and cement program, applicable Sundry Notices will be filed with the NMOCD.

INJECTION WELL DATA SHEET

Tubing Size: **5.5" tapered to 5"** Lining Matrial: **Internal Plastic Coated (ICP)**

Type of Packer: **LOK-SET ™ or Equivalent**

Packer Setting Depth: **14,285** Ft.

Other Type of Tubing/Casing Seal (if applicable): **Not Applicable**

Additional Data

1. Is this a new well drilled for injection? **XXX** Yes _____ No

   If no, for what purpose was the well oringally drilled? **N/A**

2. Name of the Injection Formation: **Devonian-Silurian**

3. Name of Field or Pool (if applicable): **SWD; Devonian-Silurian**

4. Has the well ever been perforated in any other zones (s)" List all such perforated intervals and give plugging detail, i.e. sacks of cent or plugs(s) used. **N/A**

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

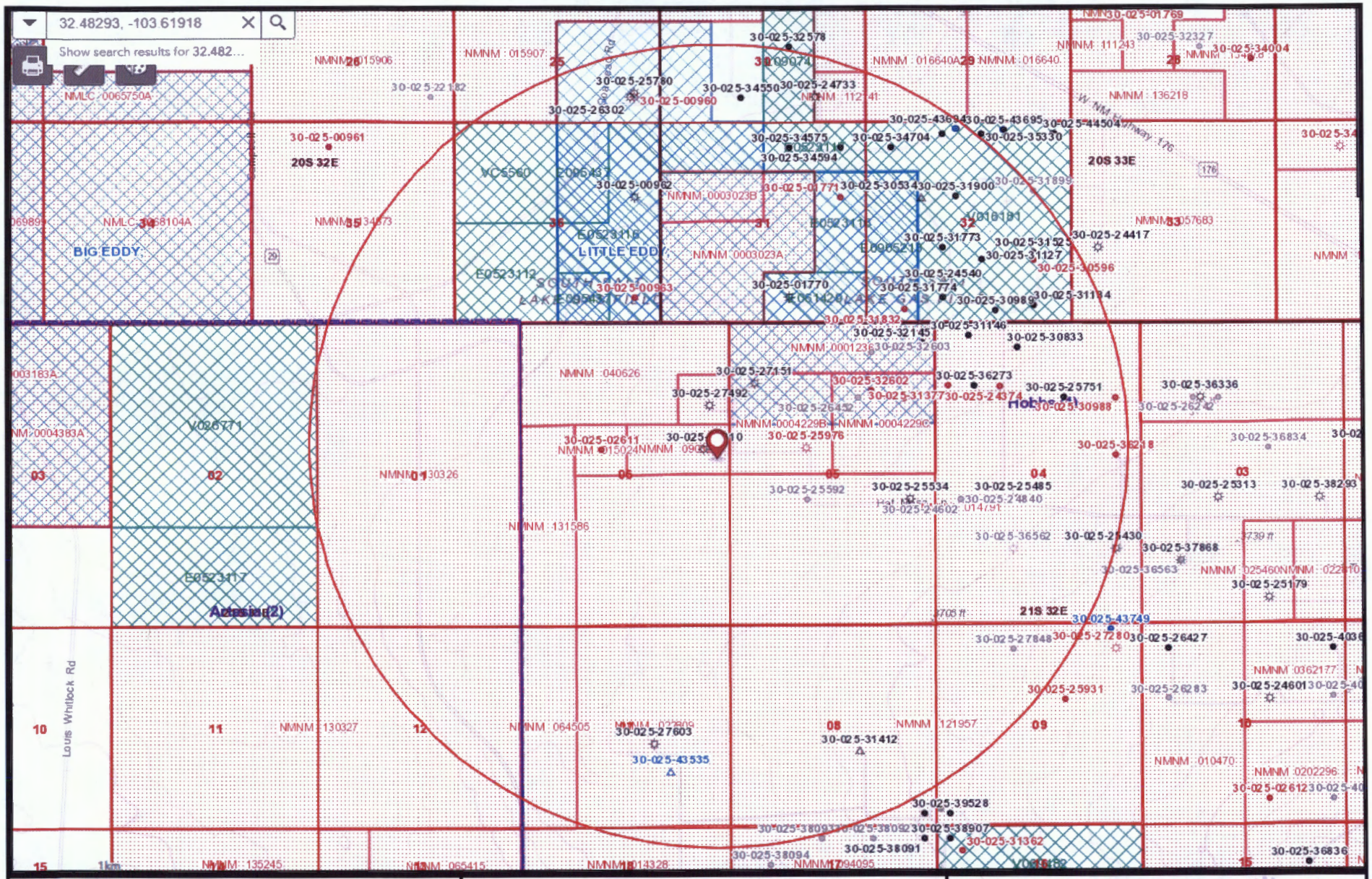
name	*depth*
T. Rustler	**1,285**
T. Salt	**1,500**
B. Salt	**3,097**
T. Capitan	**3,310**
T. Delaware	**5,345**
T. Bone Spring	**8,235**
T. Wolfcamp	**11,375**
T. Strawn	**12,625**
T. Atoka	**12,875**
T. Morrow	**13,415**
T. Missippian	**13,685**
T. Woodford	**14,240**
T. Devonian	**14,385**
T. Montoya	**15,600**

There are no known oil and gas zones underlying the proposed injection interval

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

LilyStream Water Solutions, LLC

Berry Allred SWD #3

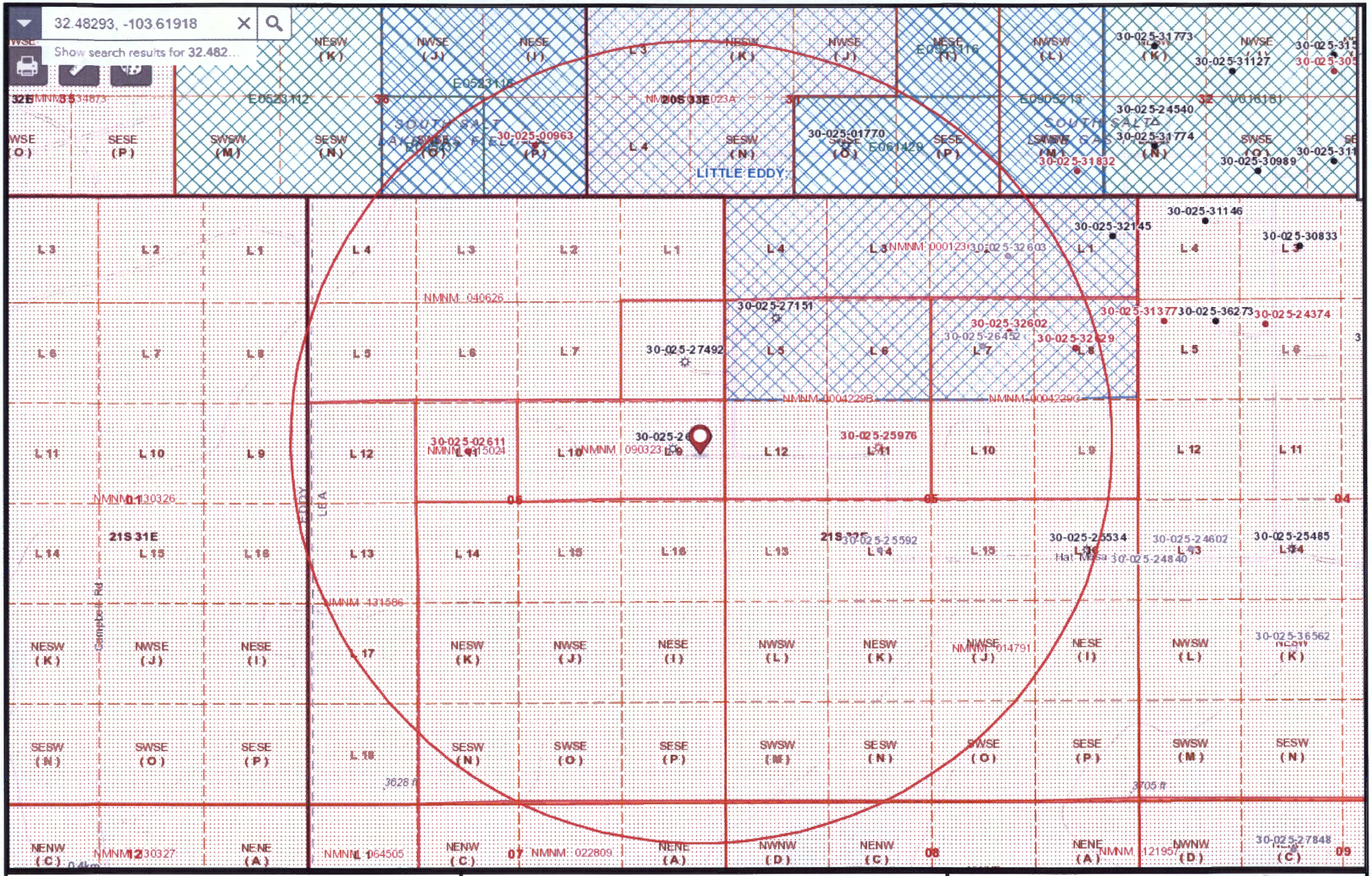
API No. Pending

Legals: Lot 9, Sec. 6,T21S, R32E

Lea County, New Mexico

LOWRY environmental

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



LEGEND:

- Proposed SWD Location
- 1-Mile Radius

Figure 2 - 1-Mile Area of Review Map

LilyStream Water Solutions, LLC

Berry Allred SWD #3

API No. Pending

Legals: Lot 9, Sec. 6,T21S, R32E

Lea County, New Mexico

LOWRY environmental

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

ATTACHMENT #3

Tabulation of Data Wells within AOR

TABULATION OF DATA

Summary of Wells within AOR

API No.	Well Name	Type	Status	Sec	TS	R	UL	OCRID Name	Depth	Pool ID
30-025-00962	**LITTLE EDDY UNIT #002**	**Gas**	**Active**	**36**	**20S**	**32E**	**H**	**CHEVRON U S A INC**	**14,816**	**[84440] SALT LAKE, ATOKA, SOUTH (GAS); [84480] SALT LAKE, MORROW, SOUTH (GAS)**
30-025-00963	PRE-ONGARD WELL #001	Oil	Plugged	36	20S	32E	P	PRE-ONGARD WELL OPERATOR	3,437	No Data
30-025-01770	LITTLE EDDY UNIT #003	Gas	Active	31	20S	33E	O	CHEVRON U S A INC	13,785	[84480] SALT LAKE, MORROW, SOUTH (GAS)
30-025-01771	PRE-ONGARD WELL #001	Oil	Plugged	31	20S	33E	H	PRE-ONGARD WELL OPERATOR	3,695	No Data
30-025-02611	PRE-ONGARD WELL #001	Oil	Plugged	6	21S	32E	11	PRE-ONGARD WELL OPERATOR	5,083	No Data
30-025-24374	NEW MEXICO A FEDERAL #001	Oil	Plugged	4	21S	32E	6	STRATA PRODUCTION CO	14,000	[30214] HAT MESA, DELAWARE
30-025-24540	CLEARY STATE #001	SWD	Active	32	20S	33E	N	STRATA PRODUCTION CO	13,860	[96100] SWD, DELAWARE
30-025-25485	NEW MEXICO D FED #001	Gas	Active	4	21S	32E	14	COG OPERATING LLC	14,100	[84480] SALT LAKE, MORROW, SOUTH (GAS)
30-025-25534	NEW MEXICO E FEDERAL COM #001	Gas	Active	5	21S	32E	16	XTO ENERGY, INC	14,348	[84480] SALT LAKE, MORROW, SOUTH (GAS)
30-025-25976	NEW MEXICO F FEDERAL COM #001	Gas	Plugged	5	21S	32E	11	SAMSON RESOURCES CO	14,080	[84480] SALT LAKE, MORROW, SOUTH (GAS)
30-025-26610	NEW MEXICO G FEDERAL COM #001	Gas	Active	6	21S	32E	9	COG OPERATING LLC	14,250	[84440] SALT LAKE, ATOKA, SOUTH (GAS); [84480] SALT LAKE, MORROW, SOUTH (GAS)
30-025-27151	CA LOOMIS FEDERAL #001	Gas	Active	5	21S	32E	5	XTO PERMIAN OPERATING LLC.	14,131	[84440] SALT LAKE, ATOKA, SOUTH (GAS)
30-025-27492	SALT LAKE SOUTH DEEP #001	Gas	Active	6	21S	32E	8	CHEVRON MIDCONTINENT, L.P.	14,120	[84480] SALT LAKE, MORROW, SOUTH (GAS)
30-025-31146	NEW MEXICO A FEDERAL #005	Oil	Active	4	21S	32E	4	STRATA PRODUCTION CO	8,370	[30214] HAT MESA, DELAWARE
30-025-31377	NEW MEXICO A FEDERAL #006	Oil	Plugged	4	21S	32E	5	STRATA PRODUCTION CO	8,414	[30214] HAT MESA, DELAWARE
30-025-31773	HAT MESA STATE #001	Oil	Active	32	20S	33E	K	EOG RESOURCES INC	8,346	[30214] HAT MESA, DELAWARE
30-025-31774	HAT MESA STATE #002	Oil	Active	32	20S	33E	N	EOG RESOURCES INC	8,350	[30214] HAT MESA, DELAWARE
30-025-31832	LITTLE EDDY UNIT #004	Oil	Plugged	32	20S	33E	M	CHEVRON U S A INC	9,482	[30214] HAT MESA, DELAWARE
30-025-32145	LITTLE EDDY UNIT #005	Oil	Active	5	21S	32E	1	PURE ENERGY OPERATING, INC.	8,350	[30214] HAT MESA, DELAWARE
30-025-32602	LITTLE EDDY UNIT #007	Oil	Plugged	5	21S	32E	7	CHESAPEAKE OPERATING, INC.	8,500	[30214] HAT MESA, DELAWARE
30-025-32629	LITTLE EDDY UNIT #006	Oil	Plugged	5	21S	32E	8	CHESAPEAKE OPERATING, INC.	8,412	[30214] HAT MESA, DELAWARE
30-025-36273	NEW MEXICO A FEDERAL #007	Oil	Active	4	21S	32E	5	COG OPERATING LLC	14,040	[84480] SALT LAKE, MORROW, SOUTH (GAS)

Bold Denotes a Well that Penetrates the Proposed Injection Zone.

PENETRATING WELL DATA SHEET

OPERATOR: **Chevron USA, Inc**

WELL NAME & NUMBER: **Little Eddy Unit #002 API No: 30-025-00962**

WELL TYPE: **Gas**

CONSTRUCTION: **Please reference the attached well record.**

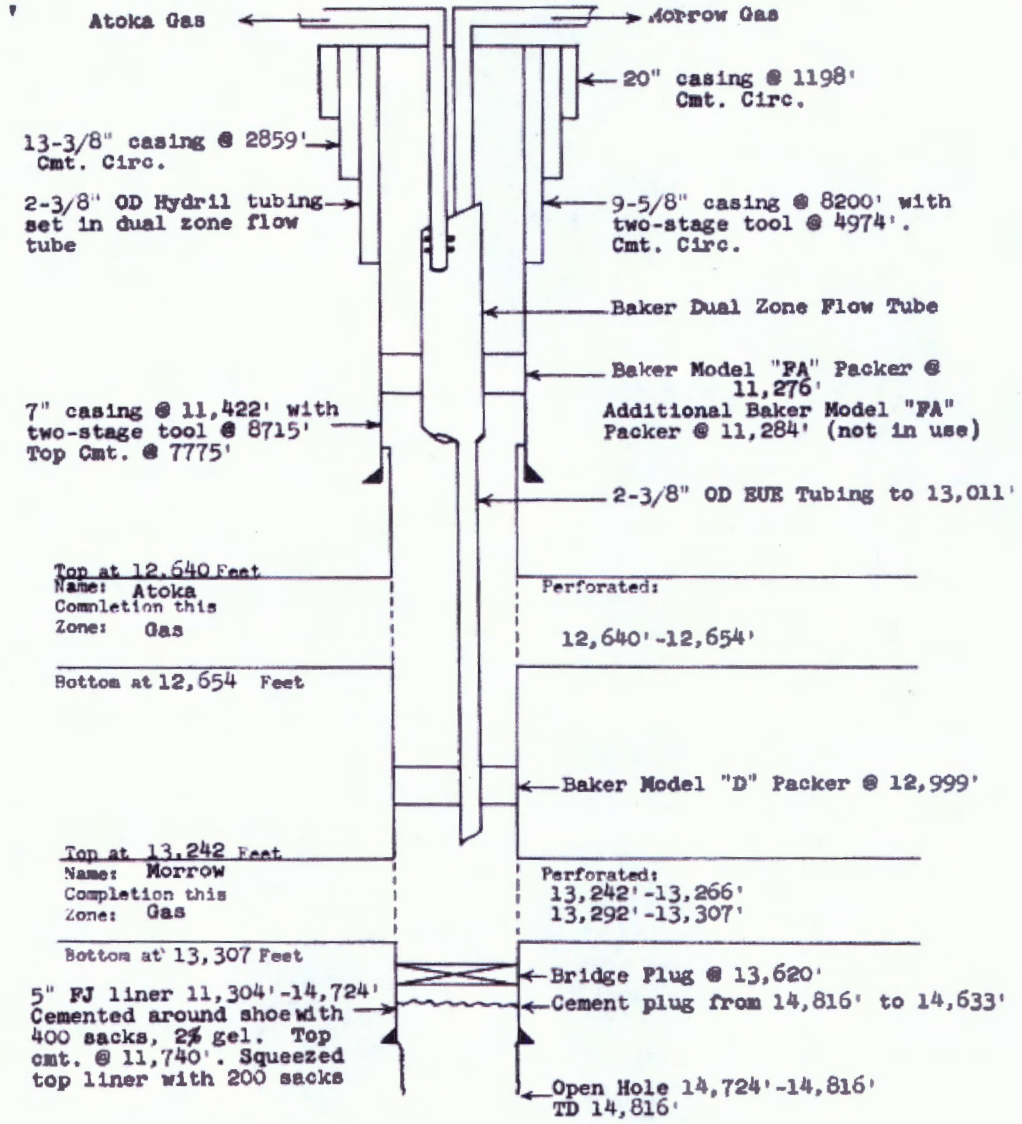
DATE DRILLED: **5/28/1959**

WELL LOCATION: **1,980' FNL & 660' FEL UL "H" Sec. 36 T20S R32E**

DEPTH: **14,816 Ft. BGS**

RECORD OF COMPLETION: **Please reference the attached well record.**

SCHEMATIC OF PLUGGING DETAIL: **Please reference the attached schematic**



COMPANY: TEXACO Inc.
LEASE: State of New Mexico "CH" Well No. 1
FIELD: Salt Lake Penn., South and Undesignated Atoka
DATE: March 30, 1960

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

OFFICE OCC

1960 APR 27 PM 2:35

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator	Lease	Well No.
TEXACO Inc.	State of New Mexico "CH"	1

Unit Letter	Section	Township	Range	County
H	36	20 South	32 East	Lea

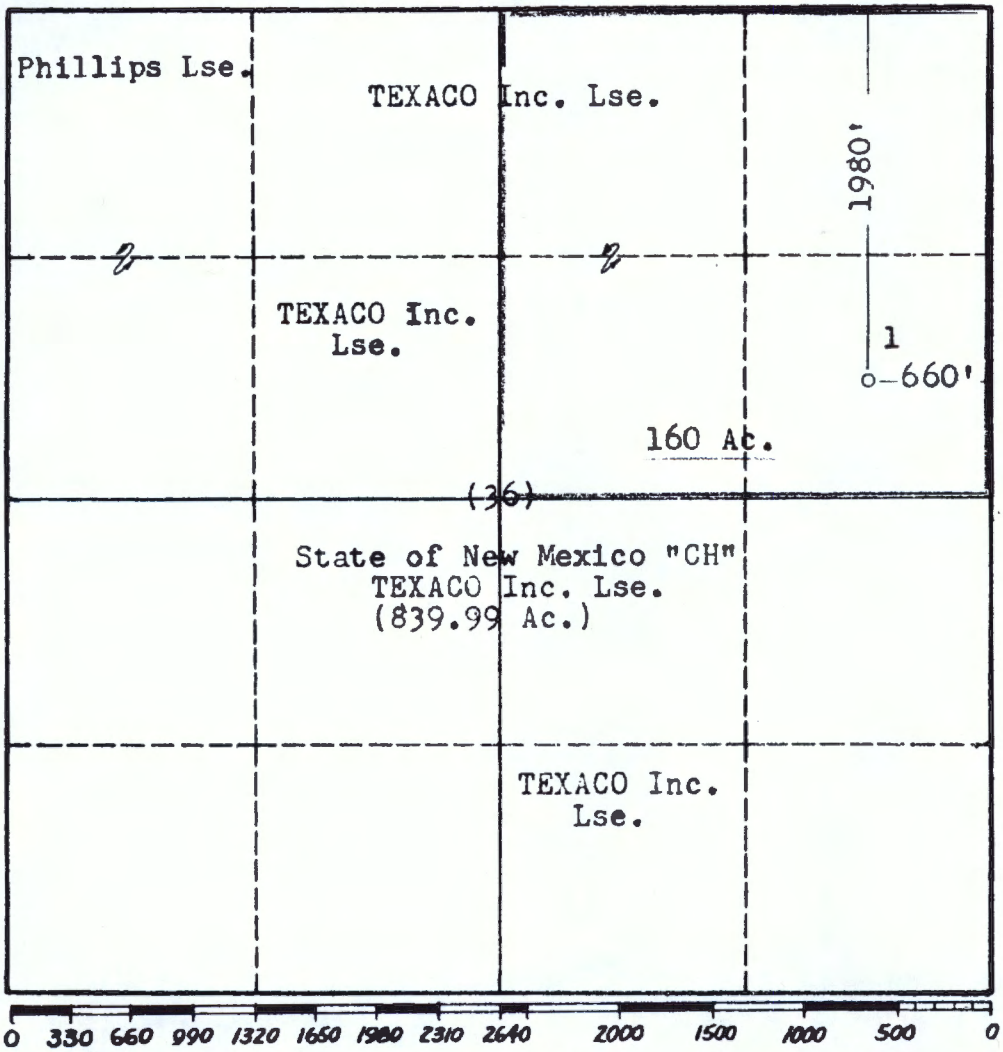
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the East line Sec. 36

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3592	Morrow	Salt Lake Penn, South	160 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X* NO _____. *("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)*
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES_____ NO _____. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
* Dedicated acreage is within the ~~LITTLE EDDY UNIT and is embraced~~ by two State leases.	

SECTION B



CERTIFICATION

I hereby certify that the information in *SECTION A* above is true and complete to the best of my knowledge and belief.

J. J. Velten

Name: J. J. Velten

Position: Division Civil Engineer

Company: TEXACO Inc.

Date: 4/25/60

I hereby certify that the well location shown on the plat in *SECTION B* was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: 4-20-59

Registered Professional Engineer and/or Land Surveyor

J. J. Velten

Certificate No. 8174

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-128
Revised 5/1/57

WELL LOCATION AND ACREAGE DEDICATION PLAT

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator	Lease	Well No.
TEXACO Inc.	State of New Mexico "CH"	1

Unit Letter	Section	Township	Range	County
H	36	20 South	32 East	Lea

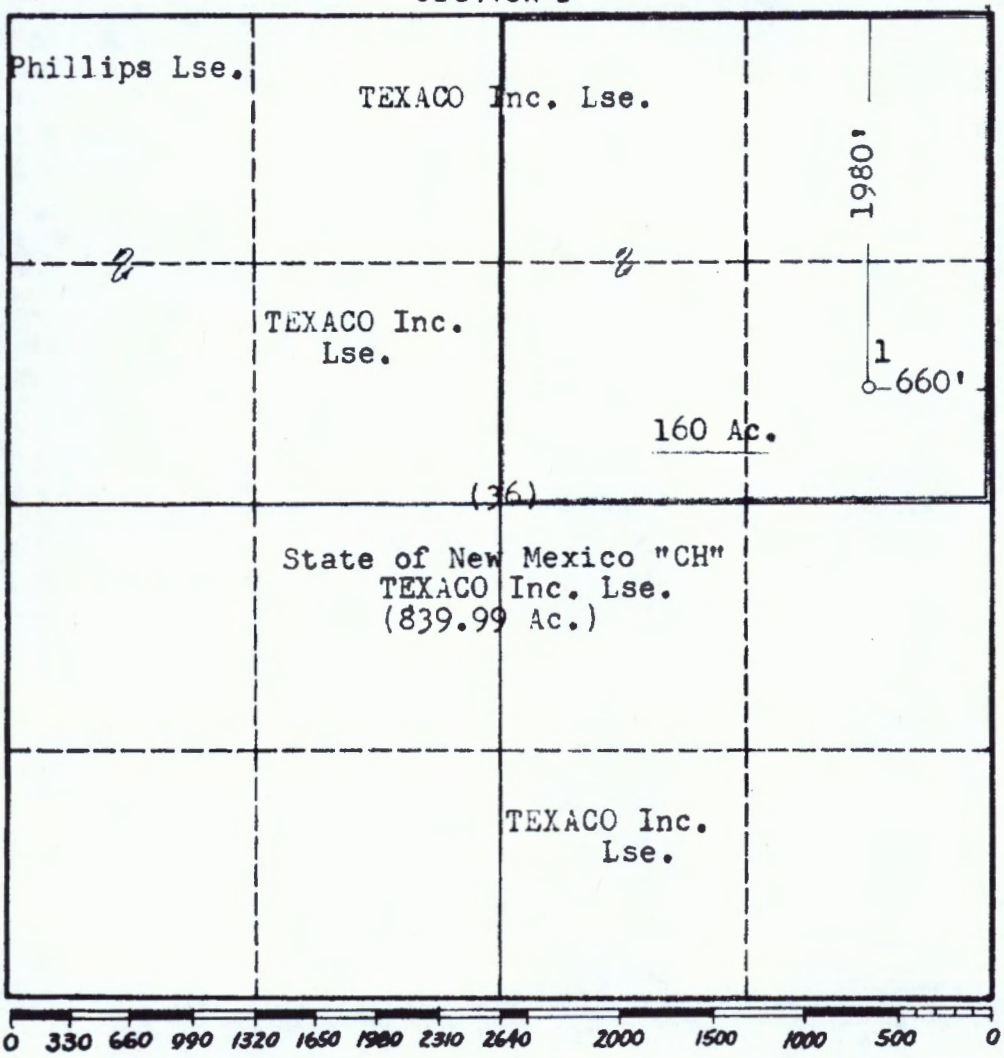
Actual Footage Location of Well:
1980 feet from the North line and 660 feet from the East line Sec. 36

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3592	Atoka	Undesignated Atoka	160 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X* NO _____. *("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)*
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES _____ NO _____. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
*Dedicated acreage is within the LITTLE EDDY UNIT and is embraced by two State leases.	

SECTION B



CERTIFICATION

I hereby certify that the information in *SECTION A* above is true and complete to the best of my knowledge and belief.

J. J. Velten

Name: J. J. Velten

Position: Division Civil Engineer

Company: TEXACO Inc.

Date: 4/25/60

I hereby certify that the well location shown on the plat in *SECTION B* was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

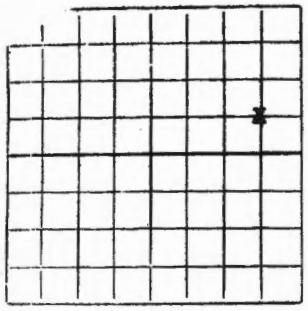
Date Surveyed: 4-20-59

Registered Professional Engineer and/or Land Surveyor

J. J. Velten

Certificate No. 8174

Revised 7/1/58
(Form C-105)



AREA 640 ACRES
LOCATE WELL CORRECTLY

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

1960 APR 11 AM 2 43

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

TEXACO Inc. (Company or Operator) State of New Mexico "CT" (Lease)

Well No. 1, in SE ¼ of NE ¼, of Sec. 36, T. 20-S, R. 32-E, NMPM.

Wildcat Pool, Lea County.

Well is 1980 feet from North line and 660 feet from East line of Section 36. If State Land the Oil and Gas Lease No. is E-2831

Drilling Commenced May 30, 1959 Drilling was Completed March 13, 1960

Name of Drilling Contractor Kelly & Stafford Drilling Company

Address 1110 Philtower Building, Tulsa 3, Oklahoma

Elevation above sea level at Top of Tubing Head 3398' The information given is to be kept confidential until August, 1960

OIL SANDS OR ZONES

No. 1, from 12,640' to 12,654' (G) No. 4, from ____ to ____

No. 2, from 13,292' to 13,307' (G) No. 5, from ____ to ____

No. 3, from 13,342' to 13,366' (G) No. 6, from ____ to ____

Well drilled with rotary tools and no water sands found.

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ____ to ____ feet. ____

No. 2, from ____ to ____ feet. ____

No. 3, from ____ to ____ feet. ____

No. 4, from ____ to ____ feet. ____

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
20"	94.16	New	1177'	Baker	None	None	Surface
13-3/8"	54.50	New	2933'	Howco	None	None	Production
9-5/8"	43.50	New	8275'	Baker	None	None	Production
7"	32.00	New	11,430'	Howco	None	None	Production
5"	18.00	New	3422'	Howco	None	See Above	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
26"	20"	1198'	2600	Circ		
17-1/2"	13-3/8"	2939'	2270	Howco		
12-1/4"	9-5/8"	8300'	2670	Howco		
8-5/8"	7"	11,432'	1390	Howco		
	5"	14,784'	500	Howco		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Perforate 5" O.D. liner 13,292' to 13,307', and 13,342' to 13,366' with 4 jet shots per ft, acidize with 1000 gals regular 15% acid. Perforate 5" O.D. liner 12,640' to 12,654 with 4 jet shots per ft. Acidize with 1500 gals acid. Re-acidize with 3000 gals regular 15% LST acid using 55 gals control flow in 5% this lease ahead of acid.

Result of Production Stimulation For tests on each zone see attached sheet.

Depth Cleaned Out 14,816' PBTD 13,680'

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 14,816 feet, and from ..... feet to ..... feet.

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet.

PRODUCTION

Put to Producing April 10, 1960

OIL WELL: The production during the first 24 hours was ..... barrels of liquid of which ..... % was was oil; ..... % was emulsion; ..... % water; and ..... % was sediment. A.P.I. Gravity .....

GAS WELL: The production during the first 24 hours was 1,414 M.C.F. plus 49 barrels of liquid Hydrocarbon. Shut in Pressure -- lbs.

Length of Time Shut in --

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy	1250'	T. Devonian	14,756'	T. Ojo Alamo	
T. Salt	1662'	T. Silurian		T. Kirtland-Fruitland	
B. Salt	2345'	T. Montoya		T. Farmington	
T. Yates	2975'	T. Simpson		T. Pictured Cliffs	
T. [illegible] Mountain	5490'	T. McKee		T. Menefee	
T. [illegible] Springs	8117'	T. Ellenburger		T. Point Lookout	
T. [illegible]	10,743'	T. Gr. Wash		T. Mancos	
T. [illegible]	12,088'	T. Granite		T. Dakota	
T. [illegible]	12,867'	T.		T. Morrison	
T. [illegible]	13,135'	T.		T. Penn	
T. Tubbs		T.		T.	
T. Abo		T.		T.	
T. Penn [illegible]		T.		T.	
T. Miss [illegible]	13,982'	T.		T.	
Woodford	14,550'				

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
SEE ATTACHED SHEET							

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

April 13, 1960 (Date)

Company or Operator TEXACO Inc. Address P. O. Box 352, Midland, Texas

Name [signature] Position or Title Assistant District Superintendent

WELL RECORD

State of N.M. "CH" Well No. 1
TEXACO Inc.

Spudded 26" hole 10:00 P.M., May 28, 1959. Ran 117' of 20" O.D. casing and cemented at 1198' with 2400 sx 4% gel and 200 sx regular. Cement circulated. Plug at 1168'. Tested before and after drilling plug with 1500 PSI for 30 minutes. Tested O.K. Job complete 10:30 P.M., June 8, 1959.

Ran 2833' of 13-3/8" O.D. casing and cemented at 2834' with 2000 sx 4% gel mixed with 70 sx salt & 1% calcium chloride, plus 200 sx regular cement. Cement circulated. Plug at 2834'. Tested before and after drilling plug with 1000 PSI for 30 minutes. Tested O.K. Job complete 6:30 P.M., June 16, 1959.

Core #1, from 2993' to 3016', recovered 18' sand and dolo, 100% recovered.

Core #2, from 3020' to 3050', recovered 30' 100% sand & dolo.

DST #1, from 2860' to 3050', tool open 1 hr, fair blow thruout test, rec 120' slight GCDM, 30-MISI-296, IF-47, FF-47, 30 Min MFSI-285, HI-1354, HO-1354. Job complete 7:30 P.M., June 21, 1959.

Core #3, from 3083' to 3133', rec 50' 100% dolo and sand, no show of oil or porosity, 100% recovery.

DST #2, from 3045' to 3260', Mis-run.

DST #3, from 3043' to 3260', tool open 30 min with weak blow of air, rec 15' of drlg mud, no shows, 30-MISI-110, IF-110, FF-110, 30-MFSI-110, HI-1490, HO-1490, Job complete 10:00 A.M., June 24, 1959.

DST #4 from 3260' to 3297', tool open 1 hr with fair blow diminishing to 0 in 45 min, rec 86' DM, no shows, 30 MISI failed, IF-45, FF-100, 30-MFSI-145, Job complete 3:30 P.M., June 25, 1959.

DST #5, from 5320' to 5420', tool open 2 hrs with weak blow of air increasing to fair blow thruout test. Rec 308' DM, no shows, 30-MISI-2505, IF-130, FF-260, 30-MFSI-2110, HI-2585', HO-2585', Job complete 9:00 A.M., July 9, 1959.

DST #6, from 5665' to 5723', tool open 3 hrs, no wtr, good blow air & cont'd thruout test. No gas or fluid to surface. Rec 1020' DM & 810' GCSW. 30-MISI 910, IF-430, FF-970, 30-MFSI-1150, HI-2725, HO-2715, T-106, Job complete 11:00 P.M., 7-9-59.

DST #7, from 6040' to 6165', tool open 4 hrs with good air & cont'd thruout test. Rec 471' SO&GCDM & 5' free oil. 30-MISI-685, IF-115, FF-300, 30-MFSI-555, HI-2900, HO-2900, T-112, Job complete 11:00 A.M., 7-12-59.

DST #8,, from 6130' to 6235', tool open 4 hrs, no wtr, weak blow and cont'd thruout test. No gas or fluid to surface. Rec 642', SO&GCDM. 30-MISI-2585', IF-45, FF-315, 30-MFSI-1560, HI-2950, HO-2935, T-110, Job complete 2:30 P.M., 7-13-59.

Core #4, from 6396' to 6440', Rec 44' sand with show oil, 100% recovery.

DST #9, from 6445' to 6643', tool open 1 hr with weak blow air & died in 6 min. Rec 70' DM, No show, 30-MISI-1455, 30-MFSI-385, IF-130, FF-130, HI-3235, HO-3180, Job complete 3:00 A.M., 7-19-59.

DST #10, from 6625' to 6746', tool open 2½ hours with weak blow air & died in 11 mins, Rec 170' DM, No show, 30-MISI-965, IF-85, FF-85, 30-MFSI-160, HI-3185, HO-3185, Job complete 10:30 A.M., 7-20-59.

Core #5, from 6941' to 6991', rec 48' dolo & sand, 96% recovery.

DST #11, from 6910' to 6991', tool open 1½ hrs with weak blow air & died in 30 mins. Recovered 145' DM, No show, 30-MISI-2645, 30-MFSI-660, IF-65, FF-128, HI-3970, HO-3970, Job complete 11:00 A.M., 7-23-59.

Ran 8175' of 9-5/8" O.D. casing and cemented at 8202' with 1070 sx 4% gel, 300 sx regular cement 1st stage, 1000 sx 4% gel and 300 sx regular cement 2nd stage. Plug at 4972'. Tested before and after drilling plug with 1500 PSI for 30 mins. Tested O.K. Job complete 9:00 A.M., 8-8-59.

DST #12, from 8535' to 8665', tool open 1 hr with fair blow & died in 15 mins. Rec 1' DM, no shows, 30-MISI-260, HI-3495, IF-126, 30-MFSI-194, HI-3495, HO-3495, FF-125, Job complete 8:00 P.M., 8-11-59.

DST #13, from 8540' to 8735', tool open 4 hrs with fair blow for 20 mins and weak blow remainder of test, No gas or oil to surface, Rec 540' DM, 30-MISI-3905, HI-3905, HO-3905, 30-MFSI-3045, IF-330, FF-460, T-125 Job complete 6:30 A.M., 8-13-59.

Core #6, from 9195' to 9220', rec 25' lime and sand, 100% recovery.

DST #14, from 9480' to 9620', tool open 3 hrs with weak blow of air increasing to fair blow thrucut test, no show of oil or gas to surface. Rec 120' of heavy oil cut DM, no wtr, 30-MISI-310, HI-4340, HO-4325, 30-MFSI-315, IF-110, FF-125, T-136, Job complete 7:00 A.M., 8-24-59.

DST #15, from 9960' to 10,160', tool open 30 mins with weak blow of air for 3 min & died, no show of gas or oil, rec 50' DM, 30-MISI-[illegible], IF-240, FF-255, 30-MFSI-255, HI-4595, HO-4555, T-135, Job complete 11:30 A.M., 8-30-59.

DST #16, from 10,520' to 10,634', tool open 2 hrs with good blow of air thrucut test. Rec 640' O&GCDM. 30-MISI-no record, IF-1250, FF-260, 30-MFSI-4410, HI-4975, HO-4975, T-147, Job complete 3:15 P.M., 9-6-59.

DST #17, from 12,395' to 12,436', tool open 45 mins with few bubbles air and died. Rec 3000' WB & 30' DM. No show, 30-MISI-1970, IF-1496, FF-1496, 30-MFSI-1685, HI-6085, HO-6085, T-145, Job complete 4:00 P.M., 10-2-59.

Ran 11,400' of 7" O.D. casing and cemented at 11,422' with 325 sx 2% gel and 200 sx slow set cement 1st stage, 125 sx 2% gel 2nd stage. Top of cement by temperature survey 7,775', Plug at 8,715', Tested before and after drilling plug with 1500 PSI for 30 minutes. Tested O.K. Job complete 6:00 A.M., 10-27-59.

Ran cementon & Gamma Ray Neutron logs, top of cement at 9560', October 28, 1959.

Core #7, from 13,112' to 13,136', Rec 24', 9' dolo & lime and 15' black shale, 100% rec.

Core #8, from 13,136' to 13,181', rec 40½' black shale & 4½' hard sand, 100% recovery.

Core #9, from 13,181' to 13,207', Rec 26' sand & shale, 100% recovery.

Core#10, from 13,207' to 13,209'. Failure.

Core#11, from 13,209' to 13,254', rec 41' sand & shale, no show, 100% recovery.

Core #12,from 13,254' to 13,279', rec 25' sand & shale, no show, 100% recovery.

Core#13, from 13,279' to 13,293', rec 11½' sand & shale, no show 100% recovery.

Core #14,from 13,293' to 13,294', no recovery.

Core #15,from 13,294' to 13,296', rec 3¼" sand, 10% recovery.

Core#16, from 13,319' to 13,358', rec 36' lime & sand, 92% recovery.

Core#17, from 13,358' to 13,387', rec 29' lime & shale, 100% recovery.

Set whipstock at 14,555', unable to work.

Ran electric logs from 11,422' to 14,753', March 3, 1960.

Tested 7" O.D. casing with 4000 PSI from surface to 11,704' for 30 minutes. Tested O.K. Ran 3420' of 5" O.D. flush joint liner, and hung in 7" O.D. casing at 11,304' and set at 14,724'. Cemented with 400 sx 2% gel slosset. Plug at 14,722'. Ran temperature survey. Found top of cement at 11,740'. Cement top of liner with 200 sx slosset cement. Tested liner with 2000 PSI for 30 minutes with 2000 PSI. Tested O.K. Job complete 1:30 P.M., March 9, 1960.

DST #18, from 14,724' to 14,775', tool open 3 hrs with good blow of air thrucut test. Rec 1740' HGCDM, 30-MISI-7000, IF-1700, HI-6990, 30-MFSI-5225, FF-1990, HO-6600, T-208, Job complete 5:30 P.M., 3-11-60.

DST #19, Misrun, packer failure.

DST #20, from 14,724' to 14,816', tool open 5 hrs & 19 mins, good blow of air thrucut test. Rec 720' DM & 180' brackish wtr, 30-MISI-4640, IF-1600, HI-6800, T-208, 30 MFSI-2870', FF-1890, HO-6700, Job complete 6:30 A.M., March 14, 1960.

Ran radio activity logs, March 14, 1960.

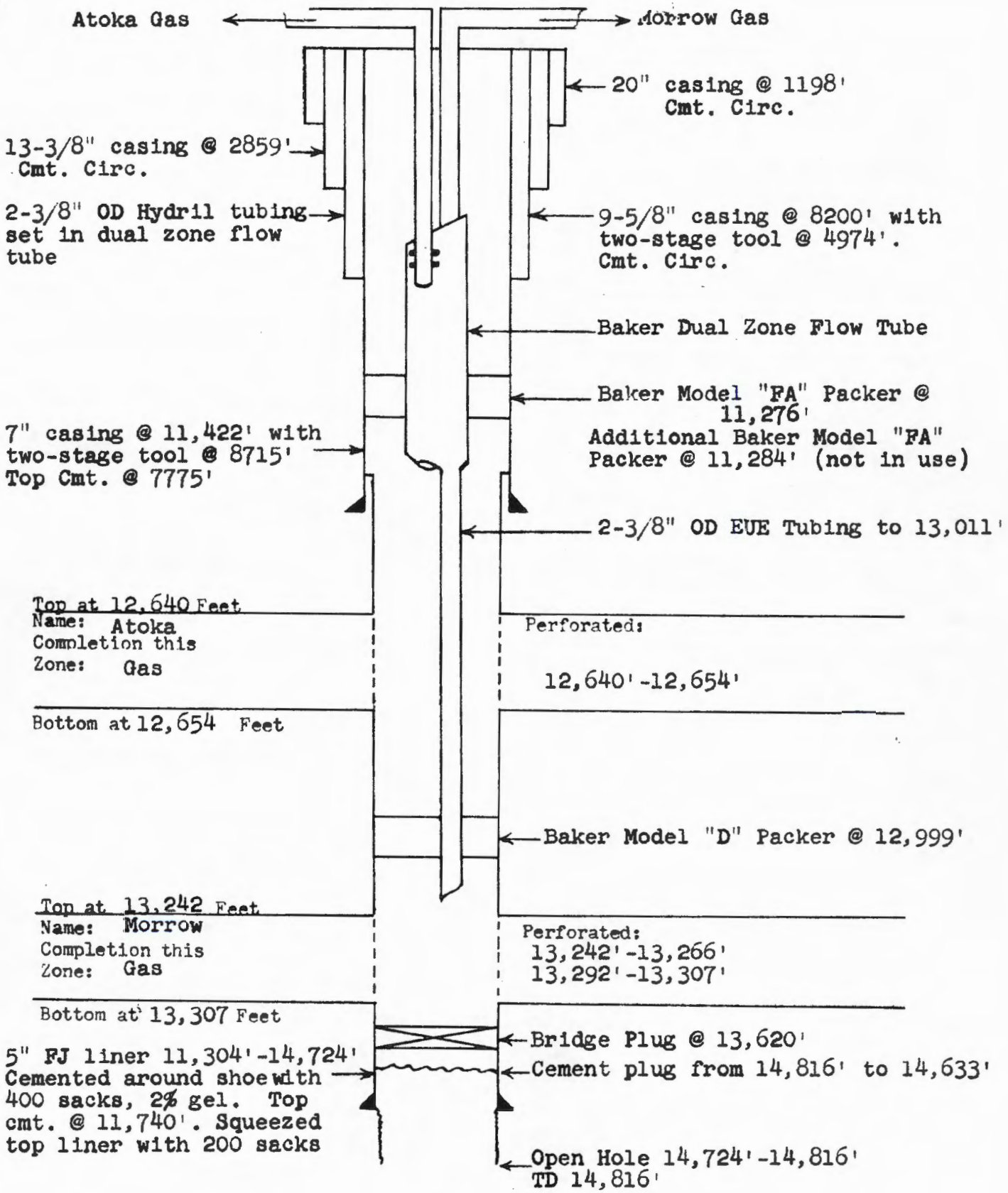
Spot 25 sx plug at btm, PB at 13,620'. Perforate 5" liner with 4 jet shots per ft from 13,292' to 13,307', and 13,242' to 13,266'. Acidize with 1000 gals regular 15% acid. Kill well.

Perforate 5" O.D. liner with 4 jet shots per ft from 12,640' to 12,654', Set FA packer in 7" O.D. casing at 11,284'. Ran 13,001' of 2-3/8" tubing and set at 13,011' thru Baker D packer. Ran 11,232' of 2-3/8" CS Hydril tubing set in FA packer at 11,284'. Spot 1500 gals acid down IT thru Otis sleeve thru perforations 12,640' to 12,654'. Swab well 8 hrs and well kicked off. Kill well with mud. Pull upper & lower tubing strings, latch down device upper tubing string, upper packer stripped out. Ran and set baker DAR packer with dual flow tube at 11,276'. Reran lower tubing string set thru baker model D packer at 12,999'. (13,001' of 2-3/8" tubing and set at 13,011'). Reran upper string of 2-3/8" CS Hydril tubing, 11,246' and latched in upper packer at 11,276'. Re-acidize perforations 12,640' to 12,654' with 3000 gals regular 15% IST acid, using 55 gals control flow in 24 bbls lease crude ahead of acid.

ATOKA (Gas Zone) - On 24 hour PT well flowed 1,413,938 cu ft per day and 49 bbls distillate, GOR - 29,612, Gravity - 47.6, Top of Pay - 12,640', Btm of Pay - 12,654', thru 22/64" choke, ending 6:00 P.M., April 11, 1960. NMOCC Date -- March 13, 1960, TEXACO Inc. Date -- April 11, 1960.

MORROW (Gas Zone) - On 24 hour PT well flowed 3,526,000 cu ft per day and 114 bbls distillate, GOR - 30,930, Gravity - 53.4, Top of Pay - 13,292', Btm of Pay 13,266', thru 1" choke, ending 6:00 P.M., April 12, 1960, NMOCC date - March 13, 1960, TEXACO Inc. Date - April 12, 1960.

DIAGRAMMATIC SKETCH OF DUAL COMPLETION INSTALLATION



COMPANY: TEXACO Inc.
LEASE: State of New Mexico "CH" Well No. 1
FIELD: Salt Lake Penn., South and Undesignated Atoka
DATE: March 30, 1960

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:	2,877	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.**

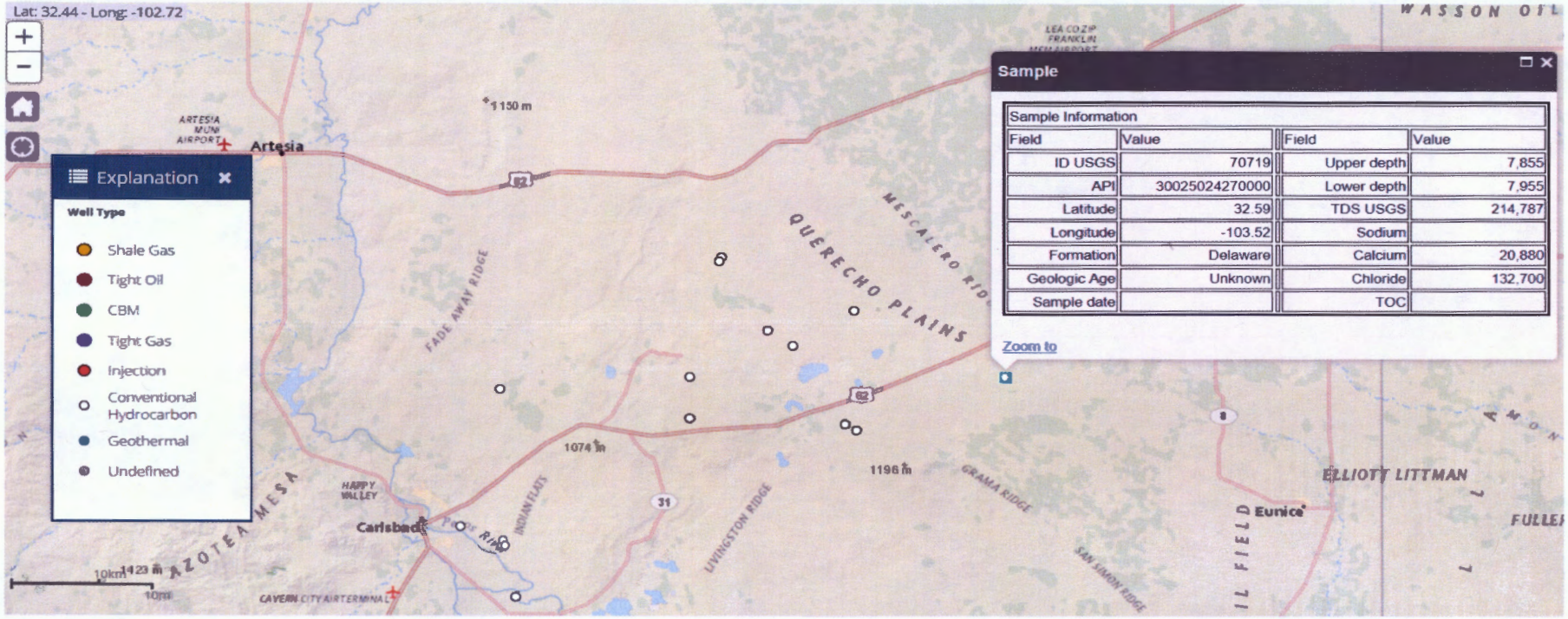
Safety, Spill Prevention and Release Response

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 equipment 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 releases to the environment, a Release Notification (NMOCD Form C-141) will be prepared, characterizing the release and proposing remediation activates 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.

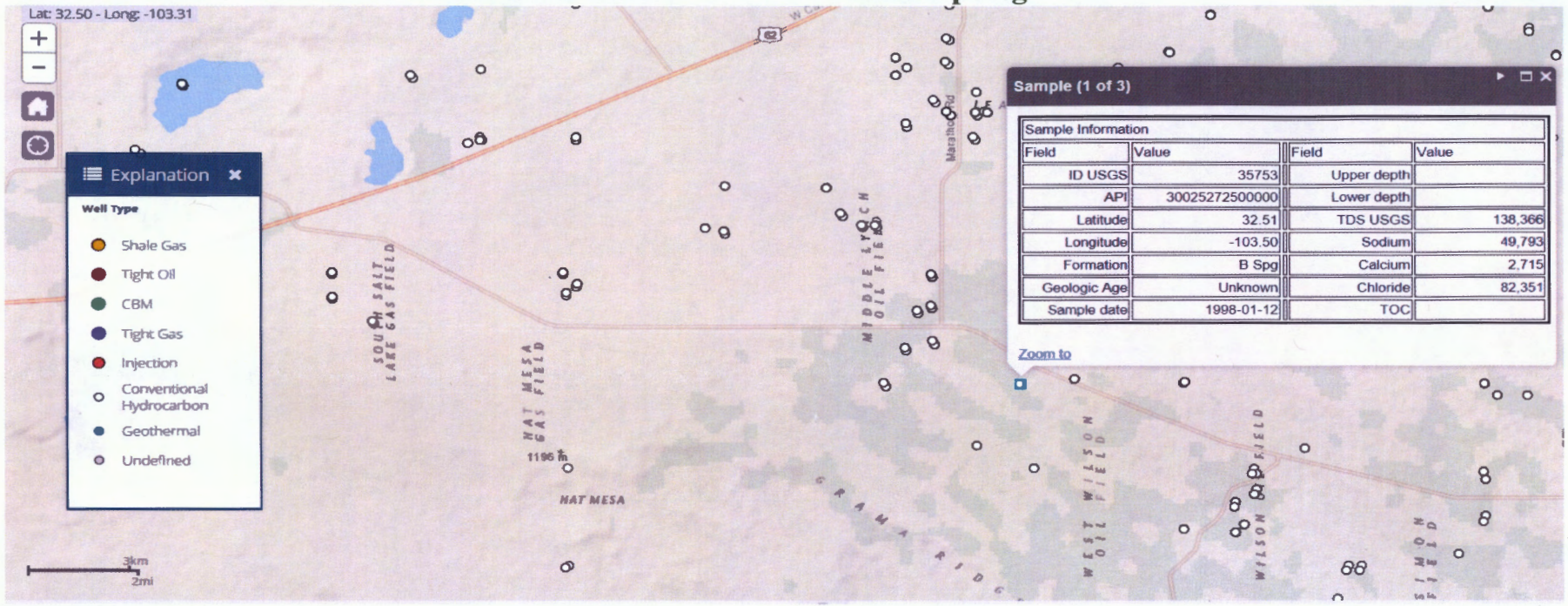
Attachment 4A - Source Zone Produced Water

Delaware



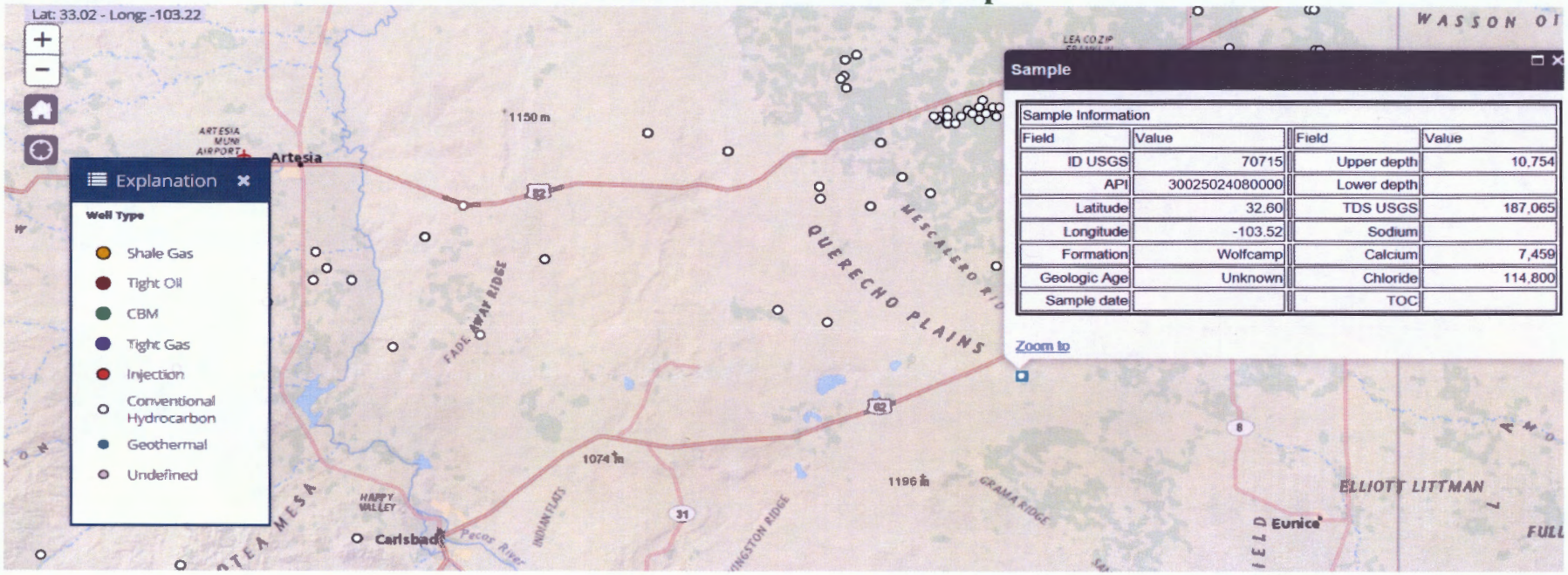
Attachment 4A - Source Zone Produced Water

Bone Spring

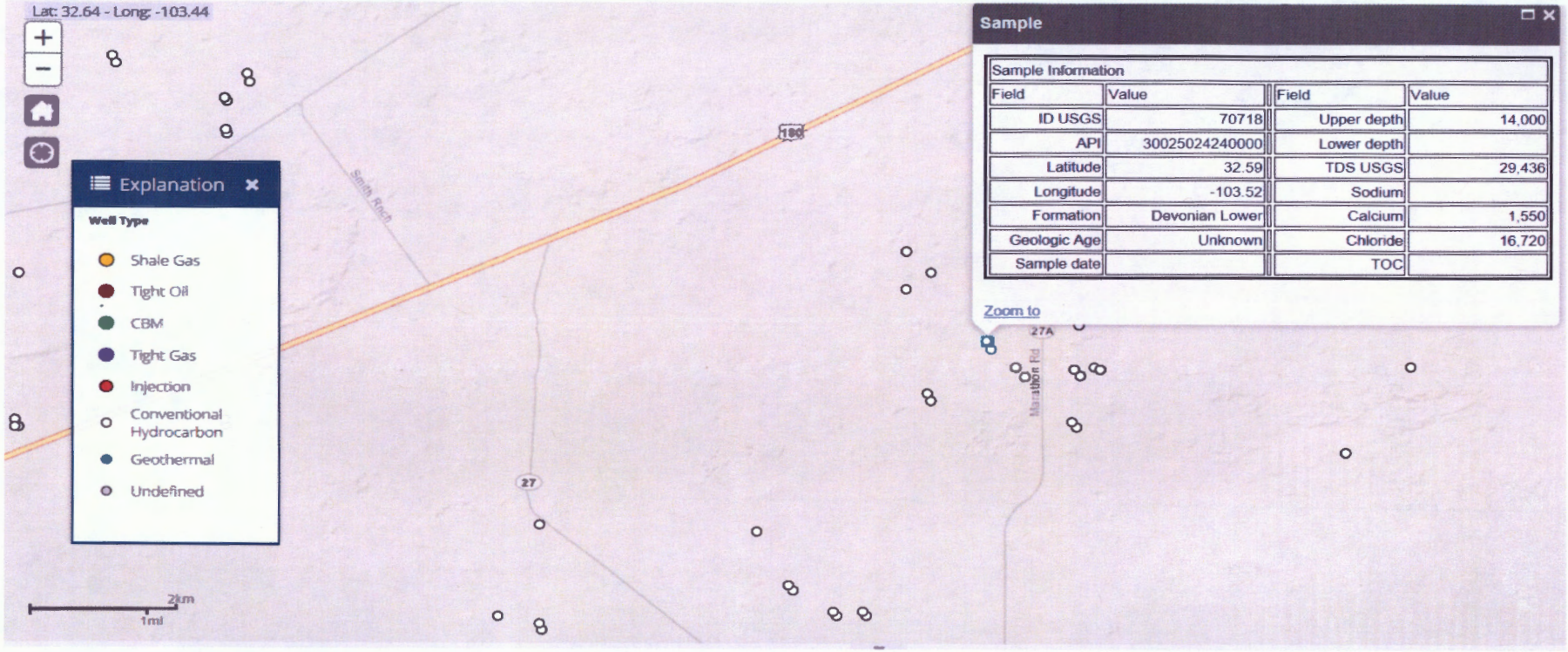


Sample Information			
Field	Value	Field	Value
ID USGS	35753	Upper depth	
API	30025272500000	Lower depth	
Latitude	32.51	TDS USGS	138,366
Longitude	-103.50	Sodium	49,793
Formation	B Spg	Calcium	2,715
Geologic Age	Unknown	Chloride	82,351
Sample date	1998-01-12	TOC	

Attachment 4A - Source Zone Produced Water Wolfcamp

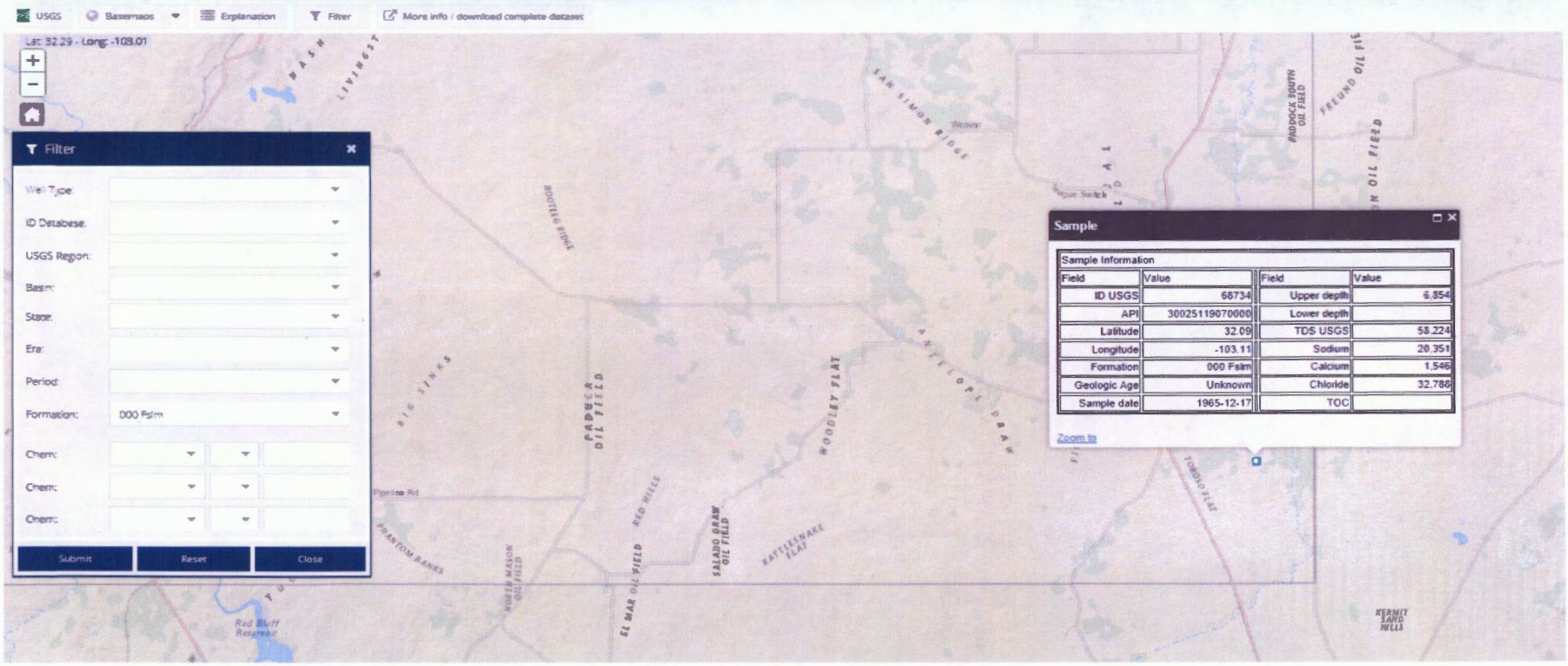


Attachment 4B - Injection Zone Produced Water Devonian



Attachment 4B - Injection Zone Produced Water Fusselman

Map of Produced Water Sample Locations



Sample

Sample Information			
Field	Value	Field	Value
ID USGS	68734	Upper depth	6,854
API	300251190700 00	Lower depth	
Latitude	32.09	TDS USGS	58,224
Longitude	-103.11	Sodium	20,351
Formation	000 Fsim	Calcium	1,546
Geologic Age	Unknown	Chloride	32,786
Sample date	1965-12-17	TOC	

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.

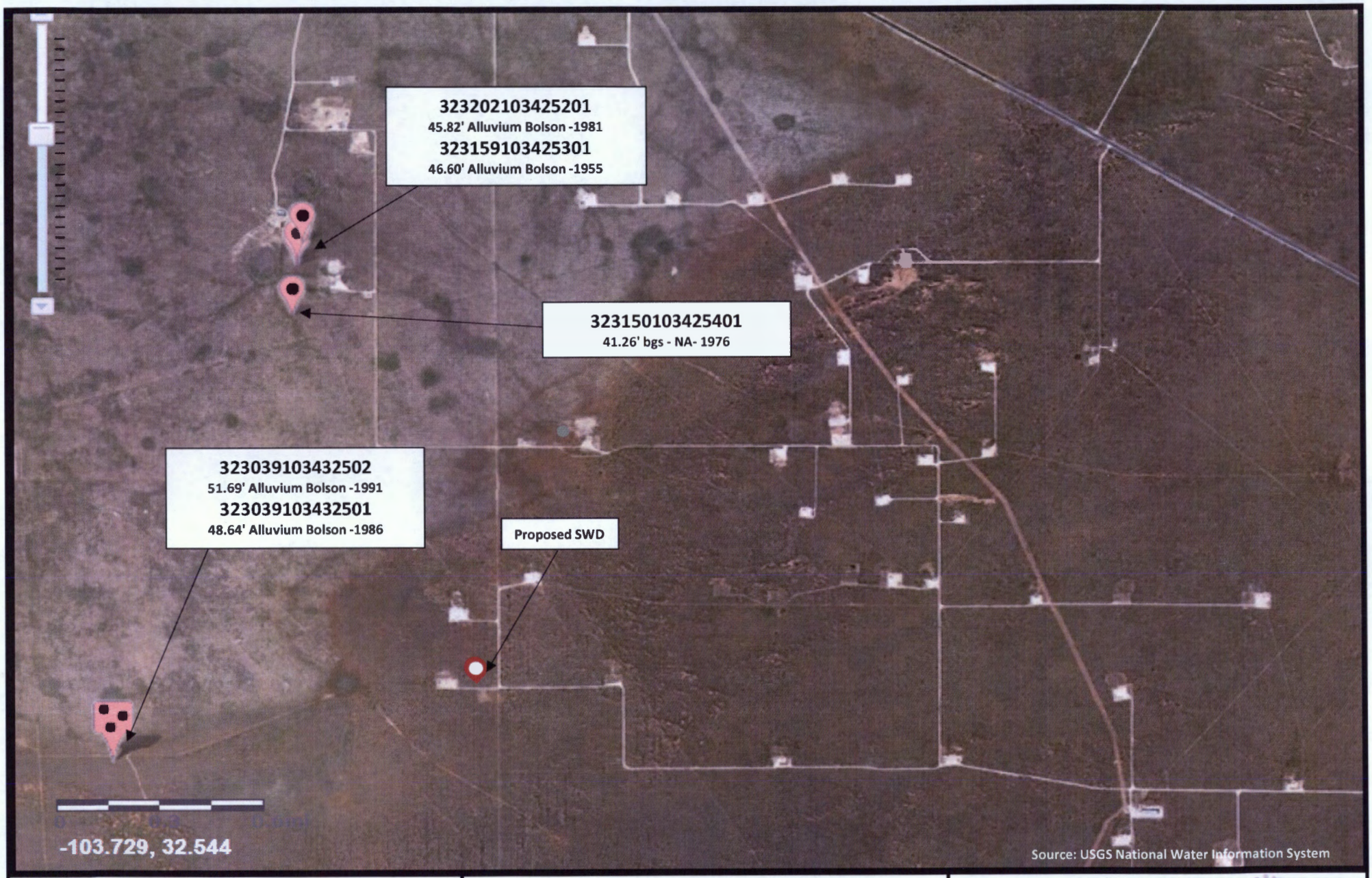
The proposed injection interval consists of sedimentary rock formations deposited during the Devonian and Silurian Periods. The Devonian Formation consists of porous dolomites, chert intervals and limestone (McGlasson, E.H. 1967). The thickness of the Devonian and Silurian Formations is estimated to be approximately 1,000 feet (ft.) locally. 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 for the casing program, applicable Sundry Notices will be filed with 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/kg 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 USGS database suggests the historic presence of **five (5)** wells within the vicinity of the Site. **Four (4)** of the wells were completed within Alluvium Bolson Deposits. Completion data is not available for **one (1)** of the wells. Data from wells with available information suggested static water levels ranged from **41.26 ft. bgs** as measured within a well approximately **1.25 Mi northwest** of the Site to **51.69 ft. bgs** as measured in a well approximately **1.1 Mi. west** of the Site. Records suggest the no USGS wells are located within a 1-Mile radius of the proposed injection well.

A search of the NMOSE database indicates no wells are located within a 1-Mile radius of the proposed injection well. Analytical results from USGS wells with available water quality data is provided in Sources of drinking water in the area are likely limited to Alluvium and Bolson Deposits. Other known sources of water may include the Ochoan Series, which is expected to be encountered at a depth of **1,285 ft. bgs** and the Capitan Reef which is expected to be encounted at a depth of **3,310 ft. bgs**. Groundwater within the Ochoan Series and Capitan Reef, is not a viable source of drinking water. No usable water is expected to be encountered beyond **1,285 ft.** bgs.



LEGEND:

- Proposed SWD Location
- USGS Water Well (Reported)

Figure 3a - USGS Groundwater Resource Map

LilyStream Water Solutions, LLC

Berry Allred SWD #3

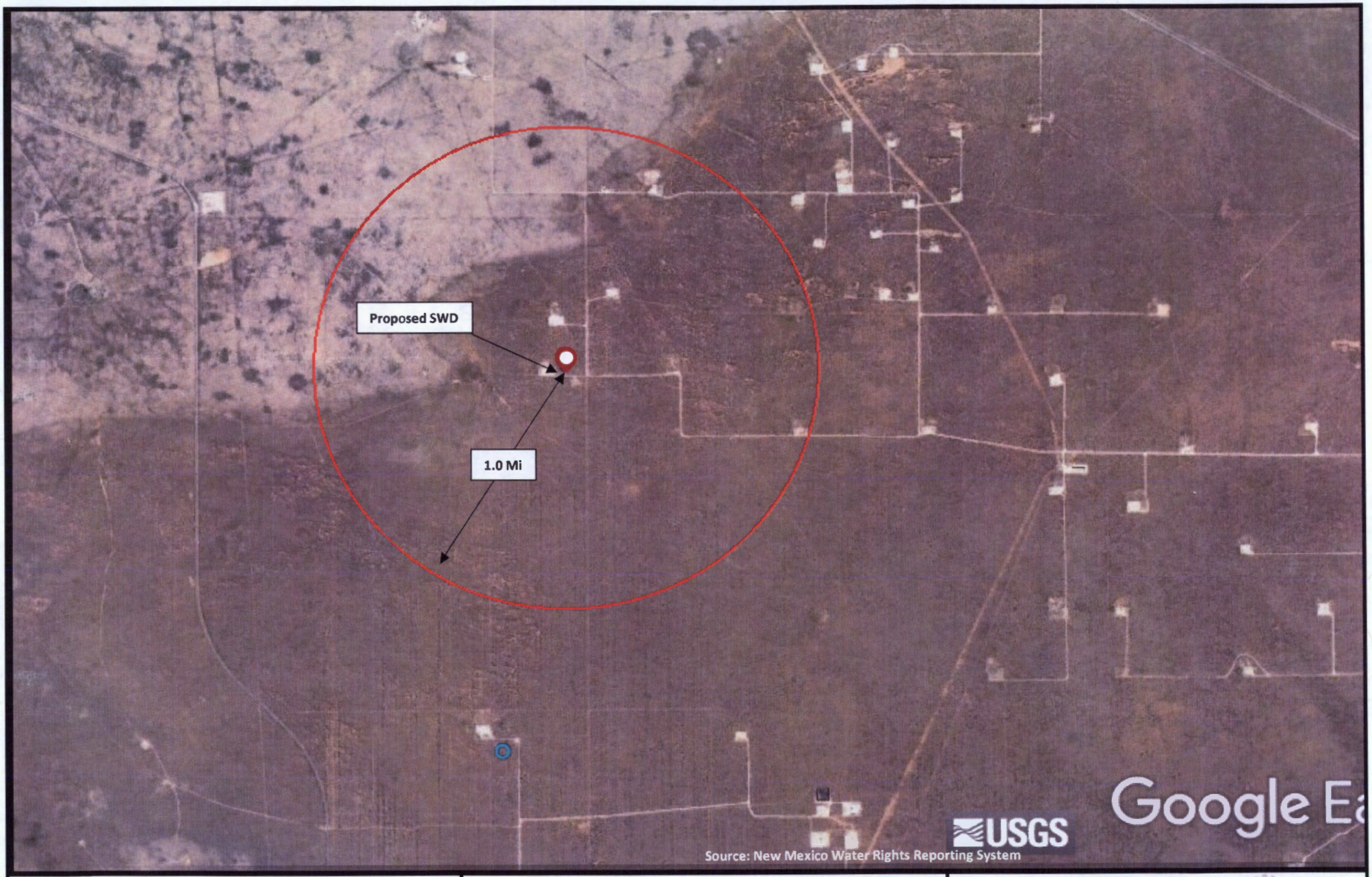
API No. Pending

Legals: Lot 9, Sec. 6,T21S, R32E

Lea County, New Mexico

LOWRY environmental

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



LEGEND:

- Proposed SWD Location
- OSE Water Well (Reported)

Figure 3b - OSE Groundwater Resource Map

LilyStream Water Solutions, LLC

Berry Allred SWD #3

API No. Pending

Legals: Lot 9, Sec. 6,T21S, R32E

Lea County, New Mexico

LOWRY environmental

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

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

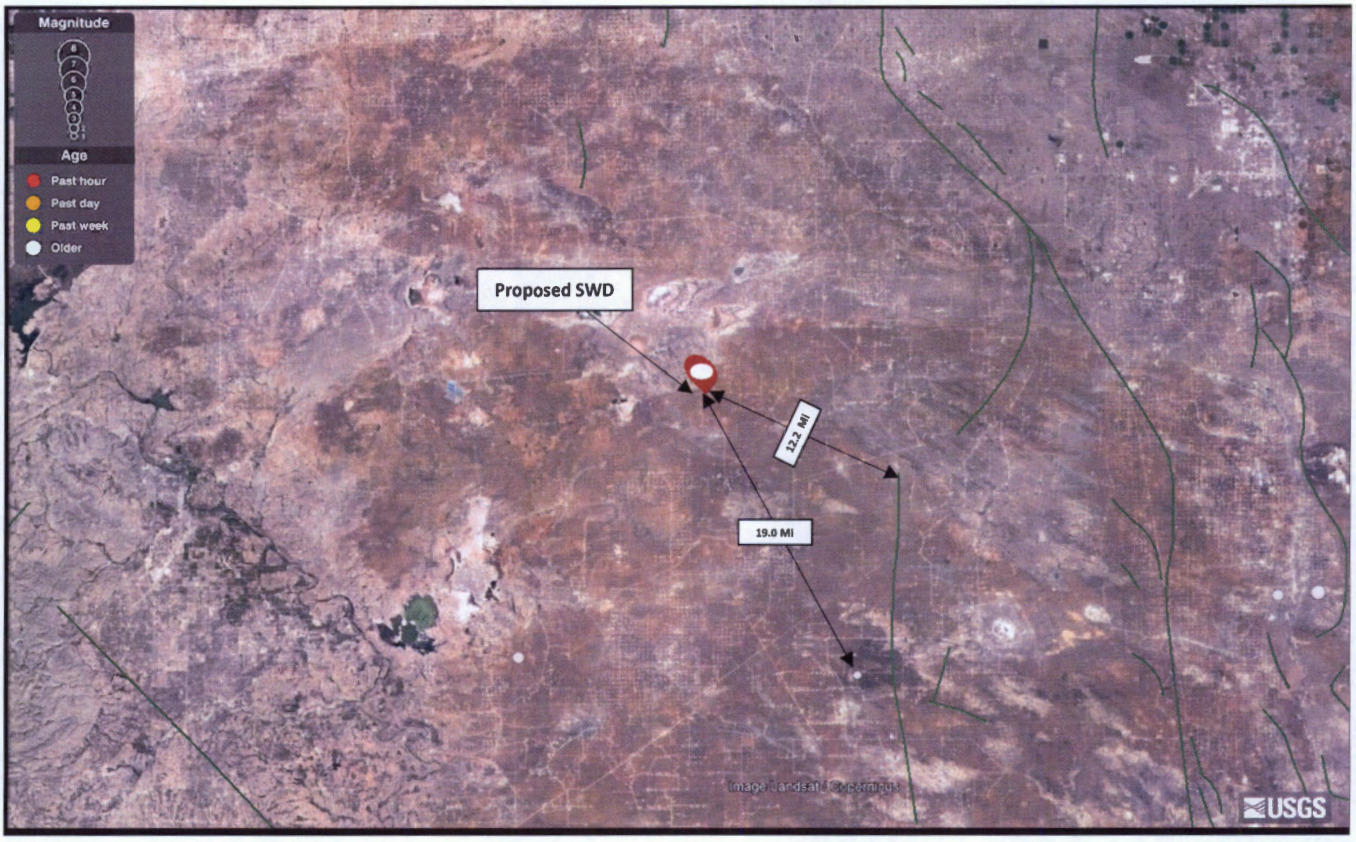
Easting (X): 621495.2 Northing (Y): 3598090 Radius: 1608

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

VIIIb Seismic Information

The proposed injection well is located in **Lot "9", Section 6, Township 21 South, Range 32 East** in Lea County, New Mexico. A review of USGS data available on the ComCat Earthquake Catalog indicates the nearest seismic event exceeding a magnitude of **0.1** occurred approximately **19.0** south-southeast of Site. The seismic event was reported as a magnitude 2.9 occurring in December of 1984.

The nearest fault trace is located approximately **12.2 Mi east-southeast** of the proposed injection well. The fault trace is indicative of a normal fault striking North-South.



Faults traces are depicted as green linear features. Seismic events with available data are depicted as grey dots of which the size is representative of the magnitude. 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 complied from Ewing et al. (1990), Green and Jones (1997), Ruppel et al. (2005) as well the USGS Quaternary Faults and Fold Database. A map detailing their findings with the proposed injection well location superimposed is provided below:

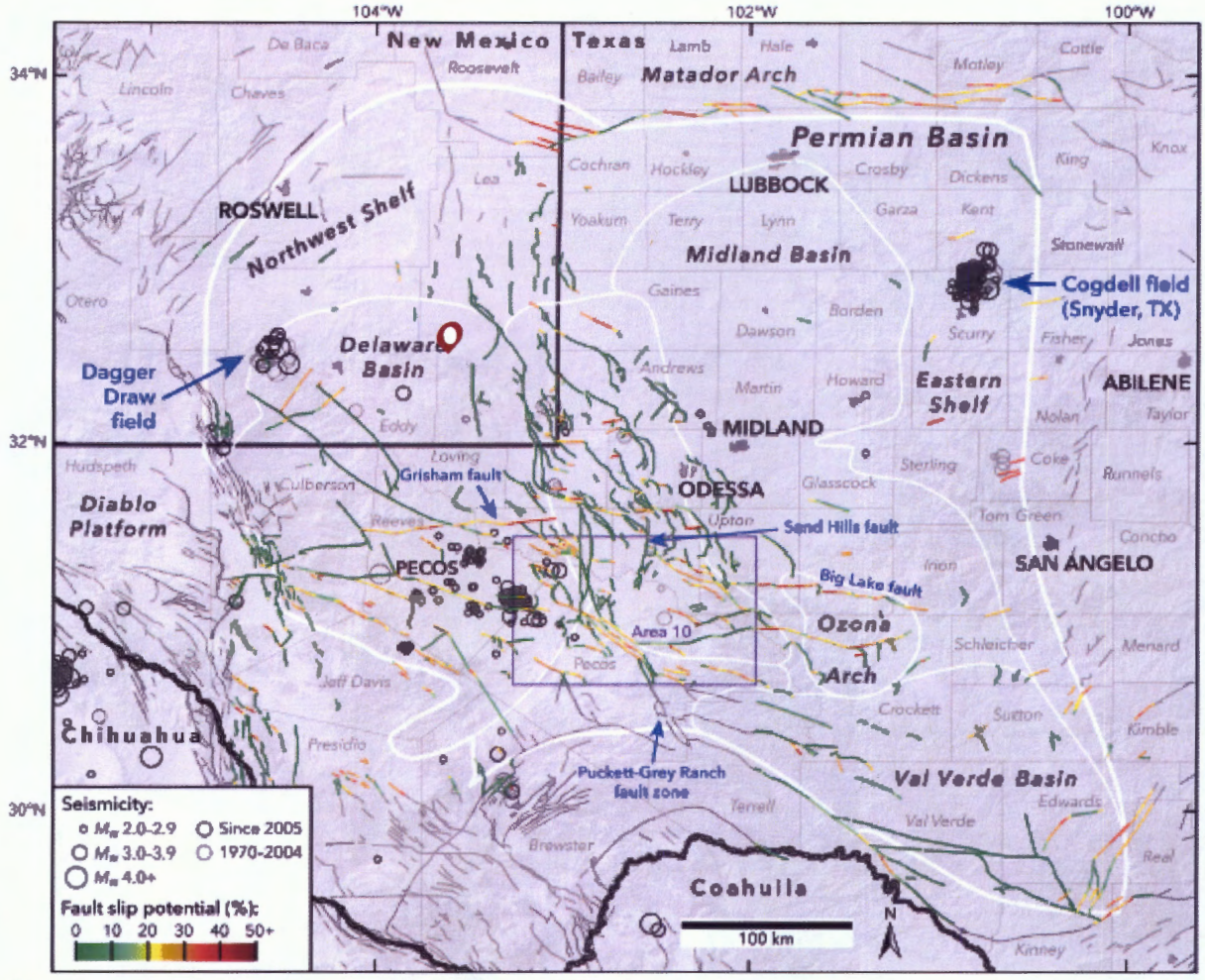


Figure 3. Results of our probabilistic FSP analysis across the Permian Basin. Data sources are as in Figures 1 and 2.

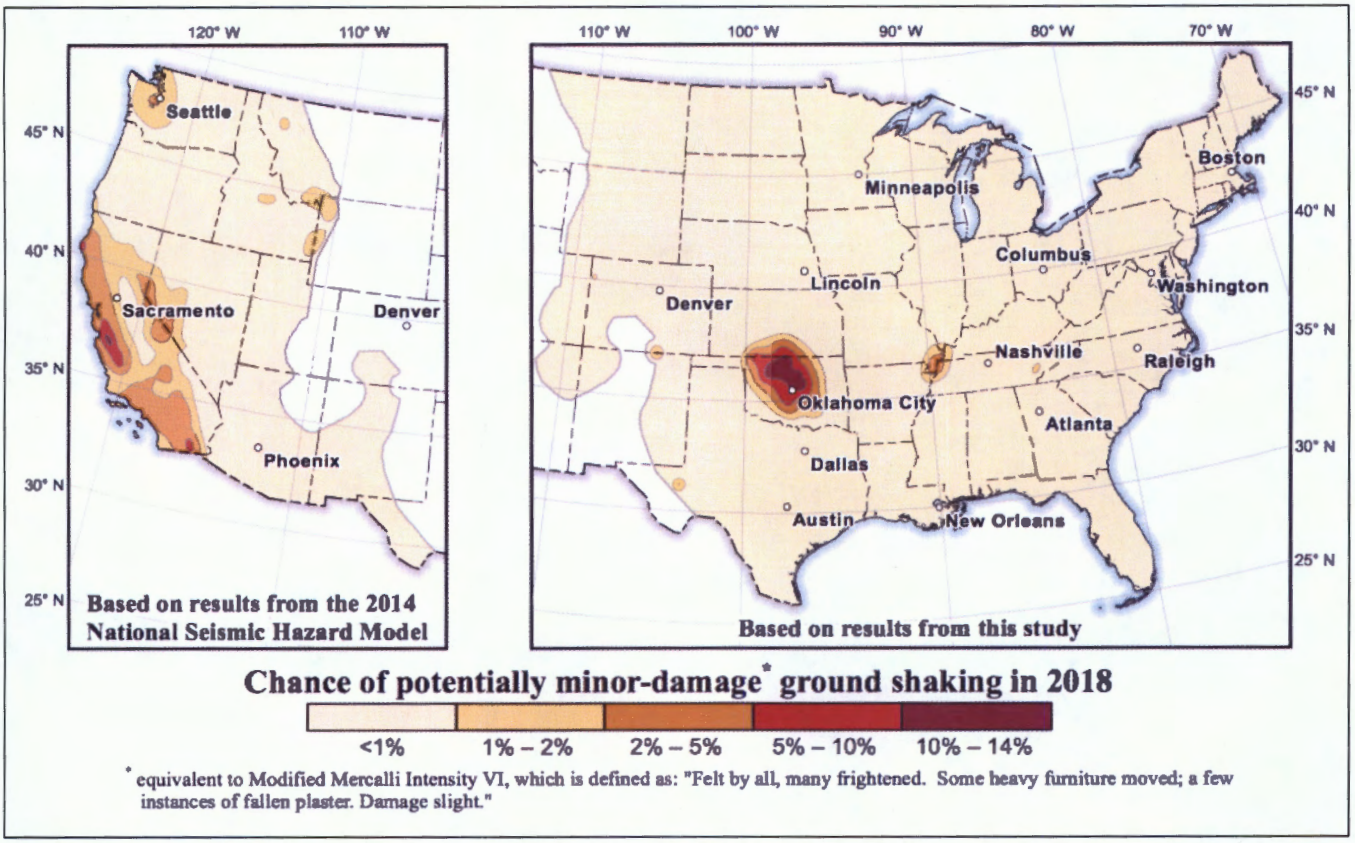
Based on the proposed injection well's distance to known faults, relative low faulting and seismic activity in the area, review of historical earthquake data and the presence of confining layers above and beneath the proposed injection zone, it is unlikely that the proposed injection activities will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

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

ATTACHMENT #6

Fresh Water Laboratory Analysis (*if applicable*)

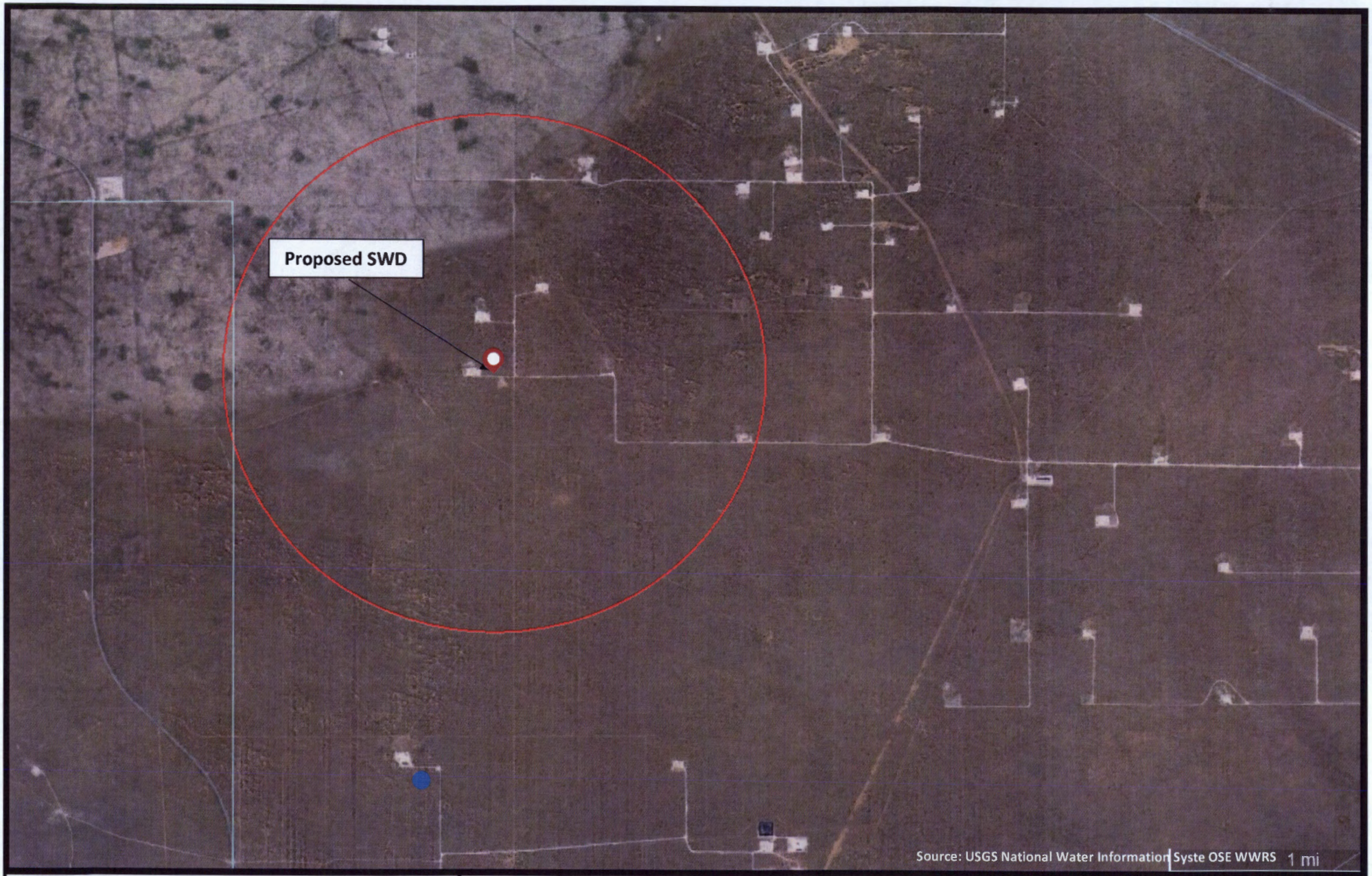
Fresh Water Sample Location Map (*if applicable*)

Re: Fresh Water Analysis
LilyStream Water Solutions, LLC
Berry Allred SWD #3
GPS: 32.513475, -103.706517

Review of available information indicates that there are no fresh water wells within a 1-Mile radius of the Site. Historic laboratory analytical data from USGS wells in the vicinity of the proposed salt water disposal is attached.

Joel W. Lowry

LOWRY
environmental



LEGEND:

- Proposed SWD Location
- Suggested Fresh Water Well

Fresh Water Sample Location Map

LilyStream Water Solutions, LLC

Berry Allred SWD #3

API No. Pending

GPS: 32.513475, -103.706517

Lea County, New Mexico

LOWRY environmental

Drafted by: jwl Checked by: client Date: 5/15/2019

```
#
# File created on 2019-05-10 18:43:41 EDT
#
# U.S. Geological Survey
#
# This file contains selected water-quality data for stations in the National Water
# Information System water-quality database.  Explanation of codes found in this file
are
# followed by the retrieved data.
#
# The data you have secured from the USGS NWISWeb database may include data that have
# not received Director's approval and as such are provisional and subject to revision.
# The data are released on the condition that neither the USGS nor the United States
# Government may be held liable for any damages resulting from its authorized or
# unauthorized use.
#
# To view additional data-quality attributes, output the results using these options:
# one result per row, expanded attributes.  Additional precautions are at:
# https://help.waterdata.usgs.gov/tutorials/water-quality-data/help-using-the-water-
quality-data-retrieval-system#Data_retrievals_precautions
#
#  agency_cd                  - Agency Code
#  site_no                    - USGS site number
#  sample_dt                  - Begin date
#  sample_tm                  - Begin time
#  sample_end_dt              - End date
#  sample_end_tm              - End time
#  sample_start_time_datum_cd - Time datum
#  tm_datum_rlbty_cd          - Time datum reliability code
#  coll_ent_cd                - Agency Collecting Sample Code
#  medium_cd                  - Sample Medium Code
#  tu_id                      - Taxonomic unit code
#  body_part_id               - Body part code
#  parm_cd                    - Parameter code
#  remark_cd                  - Remark code
#  result_va                  - Parameter value
#  val_qual_tx                - Result value qualifier code
#  meth_cd                    - Method code
#  dqi_cd                     - Data-quality indicator code
#  rpt_lev_va                 - Reporting level
#  rpt_lev_cd                 - Reporting level type
#  lab_std_va                 - Lab standard deviation
#  anl_ent_cd                 - Analyzing entity code
#
# The following parameters are included:
#  00003  - Sampling depth, feet
#  00010  - Temperature, water, degrees Celsius
#  00095  - Specific conductance, water, unfiltered, microsiemens per centimeter at 25
degrees Celsius
#  72001  - Depth of hole, feet below land surface datum
#
# Description of sample_start_time_datum_cd:
# MDT  - Mountain Daylight Time
#
# Description of tm_datum_rlbty_cd:
# T  - Transferred
#
```

```
# Description of coll_ent_cd and anl_ent_cd:
#
# Description of medium_cd:
# WG  - Groundwater
#
# Description of tu_id:
# https://www.itis.gov/
#
# Description of body_part_id:
#
# Description of remark_cd:
#
# Description of val_qual_tx:
#
# Description of meth_cd:
#
# Description of dqi_cd:
# A  - Historical data
#
# Description of rpt_lev_cd:
#
# Data for the following sites are included:
#  USGS 323115103431801 21S.32E.06.111
#
agency_cd       site_no sample_dt       sample_tm       sample_end_dt   sample_end_tm
        sample_start_time_datum_cd      tm_datum_rlbty_cd       coll_ent_cd     medium_cd
        tu_id   body_part_id    parm_cd remark_cd       result_va       val_qual_tx
        meth_cd dqi_cd  rpt_lev_va      rpt_lev_cd      lab_std_va      anl_ent_cd
5s      15s     10d     5d      10d     5d      3s      1s      8s      3s      11s
        11s     5s      1s      12s     5s      5s      1s      12s     6s      11s
        8s
USGS    323115103431801 1972-09-18                              MDT     T
        WG                      00003           54.0                    A

USGS    323115103431801 1972-09-18                              MDT     T
        WG                      00010           21.5                    A

USGS    323115103431801 1972-09-18                              MDT     T
        WG                      00095           1460                    A

USGS    323115103431801 1972-09-18                              MDT     T
        WG                      72001           54                      A
```

```
#
# File created on 2019-05-10 18:44:10 EDT
#
# U.S. Geological Survey
#
# This file contains selected water-quality data for stations in the National Water
# Information System water-quality database.  Explanation of codes found in this file
are
# followed by the retrieved data.
#
# The data you have secured from the USGS NWISWeb database may include data that have
# not received Director's approval and as such are provisional and subject to revision.
# The data are released on the condition that neither the USGS nor the United States
# Government may be held liable for any damages resulting from its authorized or
# unauthorized use.
#
# To view additional data-quality attributes, output the results using these options:
# one result per row, expanded attributes.  Additional precautions are at:
# https://help.waterdata.usgs.gov/tutorials/water-quality-data/help-using-the-water-
quality-data-retrieval-system#Data_retrievals_precautions
#
#  agency_cd                  - Agency Code
#  site_no                    - USGS site number
#  sample_dt                  - Begin date
#  sample_tm                  - Begin time
#  sample_end_dt              - End date
#  sample_end_tm              - End time
#  sample_start_time_datum_cd - Time datum
#  tm_datum_rlbty_cd          - Time datum reliability code
#  coll_ent_cd                - Agency Collecting Sample Code
#  medium_cd                  - Sample Medium Code
#  tu_id                      - Taxonomic unit code
#  body_part_id               - Body part code
#  parm_cd                    - Parameter code
#  remark_cd                  - Remark code
#  result_va                  - Parameter value
#  val_qual_tx                - Result value qualifier code
#  meth_cd                    - Method code
#  dqi_cd                     - Data-quality indicator code
#  rpt_lev_va                 - Reporting level
#  rpt_lev_cd                 - Reporting level type
#  lab_std_va                 - Lab standard deviation
#  anl_ent_cd                 - Analyzing entity code
#
# The following parameters are included:
#  00010  - Temperature, water, degrees Celsius
#  00095  - Specific conductance, water, unfiltered, microsiemens per centimeter at 25
degrees Celsius
#  00191  - Hydrogen ion, water, unfiltered, calculated, milligrams per liter
#  00400  - pH, water, unfiltered, field, standard units
#  00405  - Carbon dioxide, water, unfiltered, milligrams per liter
#  00410  - Acid neutralizing capacity, water, unfiltered, fixed endpoint (pH 4.5)
titration, field, milligrams per liter as calcium carbonate
#  00440  - Bicarbonate, water, unfiltered, fixed endpoint (pH 4.5) titration, field,
milligrams per liter
#  00445  - Carbonate, water, unfiltered, fixed endpoint (pH 8.3) titration, field,
milligrams per liter
```

```
#  00631  - Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen
#  00660  - Orthophosphate, water, filtered, milligrams per liter as PO4
#  00671  - Orthophosphate, water, filtered, milligrams per liter as phosphorus
#  00900  - Hardness, water, milligrams per liter as calcium carbonate
#  00902  - Noncarbonate hardness, water, unfiltered, field, milligrams per liter as
calcium carbonate
#  00915  - Calcium, water, filtered, milligrams per liter
#  00925  - Magnesium, water, filtered, milligrams per liter
#  00930  - Sodium, water, filtered, milligrams per liter
#  00931  - Sodium adsorption ratio (SAR), water, number
#  00932  - Sodium fraction of cations, water, percent in equivalents of major cations
#  00935  - Potassium, water, filtered, milligrams per liter
#  00940  - Chloride, water, filtered, milligrams per liter
#  00945  - Sulfate, water, filtered, milligrams per liter
#  00950  - Fluoride, water, filtered, milligrams per liter
#  00955  - Silica, water, filtered, milligrams per liter as SiO2
#  01046  - Iron, water, filtered, micrograms per liter
#  01056  - Manganese, water, filtered, micrograms per liter
#  70301  - Dissolved solids, water, filtered, sum of constituents, milligrams per liter
#  70303  - Dissolved solids, water, filtered, short tons per acre-foot
#
# Description of sample_start_time_datum_cd:
# MDT  - Mountain Daylight Time
#
# Description of tm_datum_rlbty_cd:
# T  - Transferred
#
# Description of coll_ent_cd and anl_ent_cd:
#
# Description of medium_cd:
# WG  - Groundwater
#
# Description of tu_id:
# https://www.itis.gov/
#
# Description of body_part_id:
#
# Description of remark_cd:
# M  - presence verified but not quantified
#
# Description of val_qual_tx:
#
# Description of meth_cd:
# ALGOR  - Computation by NWIS algorithm
#
# Description of dqi_cd:
# A  - Historical data
#
# Description of rpt_lev_cd:
#
# Data for the following sites are included:
#  USGS 323204103425701 20S.32E.36.214
#
agency_cd       site_no sample_dt       sample_tm       sample_end_dt   sample_end_tm
        sample_start_time_datum_cd      tm_datum_rlbty_cd       coll_ent_cd     medium_cd
        tu_id   body_part_id    parm_cd remark_cd       result_va       val_qual_tx
        meth_cd dqi_cd  rpt_lev_va      rpt_lev_cd      lab_std_va      anl_ent_cd
5s      15s     10d     5d      10d     5d      3s      1s      8s      3s      11s
```

11s	5s	1s	12s	5s	5s	1s	12s	6s	11s 8s
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00010		19.0			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00095		1930			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00191		0.00002		ALGOR	A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00400		7.8			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00405		7.8			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00410		251			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00440		306			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00445		0.0			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00631		25.0			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00660		0.210			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00671		0.070			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00900		660			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00902		410			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00915		130			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00925		81.0			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00930		160			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00931		2.7			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00932		35			A	
USGS	323204103425701	1972-09-18					MDT	T	
	WG		00935		2.50			A	

USGS	323204103425701	1972-09-18				MDT	T
	WG		00940		290		A
USGS	323204103425701	1972-09-18				MDT	T
	WG		00945		260		A
USGS	323204103425701	1972-09-18				MDT	T
	WG		00950		2.60		A
USGS	323204103425701	1972-09-18				MDT	T
	WG		00955		81.0		A
USGS	323204103425701	1972-09-18				MDT	T
	WG		01046	M			A
USGS	323204103425701	1972-09-18				MDT	T
	WG		01056		0.0		A
USGS	323204103425701	1972-09-18				MDT	T
	WG		70301		1270		A
USGS	323204103425701	1972-09-18				MDT	T
	WG		70303		1.73		A

ATTACHMENT #7

Affirmative Statement

XII. AFFIRMATIVE STATEMENT

Re: LilyStream Water Solutions, LLC
Berry Allred SWD #3
Legals: Lot 9, Sec. 6, T21S, R32E

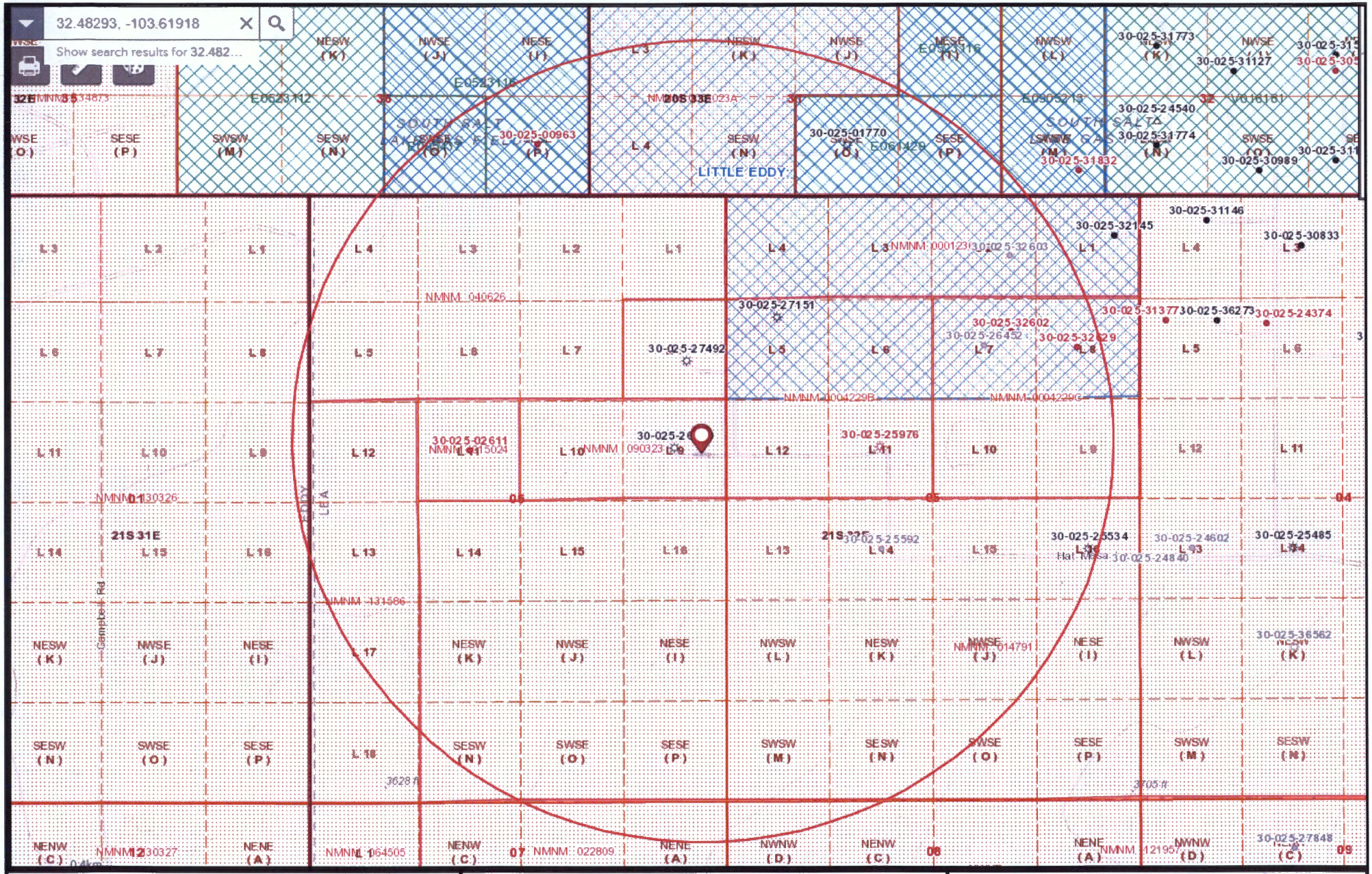
Available geologic and engineering data has been examined and we find no evidence of open faults or any hydrologic connection between the disposal interval and any underground sources of drinking water.

Joel W. Lowry

LOWRY environmental

ATTACHMENT #8

Proof of Notice Documentation



LEGEND:

- Proposed SWD Location
- 1-Mile Radius

Figure 4 - Leasehold Operator Map

LilyStream Water Solutions, LLC

Berry Allred SWD #3

API No. Pending

Legals: Lot 9, Sec. 6,T21S, R32E

Lea County, New Mexico

LOWRY environmental

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

XIV. PROOF OF NOTICE

Surface Owner:

Danny Berry
PO Box 160
Eunice, NM 88231
7017 2620 0001 0356 9085

Leasehold Operators within a One-Mile Radius:

MRC Permian Co
5400 LBJ FWY STE 1500
Dallas, TX 75240
7017 2620 0001 0356 8149

COG Operating LLC
600 W. Illinois Avenue
Midland, TX 79701
7017 2620 0001 0356 9108

Ascent Energy LLC
1621 18th St STE 200
Denver CO 80202
7017 2620 0001 0356 8156

Conocophillips Co
P.O. Box 7500
Bartlesville, OK 74005
7017 2620 0001 0356 8163

Chevron Midcontinent LP
6301 Deauville
Midland, TX 79706
7017 2620 0001 0356 8170

Chevron USA Inc
6301 Deauville
Midland, TX 79706
7017 2620 0001 0356 8187

Manta Oil & Gas Corp
P.O. Box 10886
Midland, TX 79702
7017 2620 0001 0356 8989

EOG Resources Inc
P.O. Box 4362
Houston, TX 77210
7017 2620 0001 0356 8996

SES Oil & Gas Inc
P.O. Box 371
Midland, TX 79702
7017 2620 0001 0356 9009

EGL Resources Inc
P.O. Box 371
Midland, TX 79702
7017 2620 0001 0356 9023

RKC Inc
7029 E. Briarwood Cir.
Englewood, CO 80112
7017 2620 0001 0356 9016

Rubicon Oil & Gas I LP
400 W Illinios St #1130
Midland, TX 79701
7017 2620 0001 0356 9078

OXY Y-1 Company
P.O. Box 27570
Houston, TX 77227
7017 2620 0001 0356 9092

Pure Energy Operating, Inc
14282 Gillis Road
Farmers Branch, TX 75244
7017 2620 0001 0356 9115

XIV. PROOF OF NOTICE

XTO Energy, Inc
6401 Holiday Hill Road Building #5
Midland, TX 79707
7017 2620 0001 0356 9047

XTO Permian Operating LLC
6401 Holiday Hill Road Building #5
Midland, TX 79707
7017 2620 0001 0356 9122

Bureau of Land Management
310 Dinosaur Trail
Santa Fe, NM 87508
7017 2620 0001 0356 9030

New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501
7017 2620 0001 0356 9139

Regulatory Agency:

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

NMOCD - District 1
1625 N. French Drive
Hobbs, NM 88240
7017 2620 0001 0356 9146

June 11, 2019

NOTIFICATION TO INTERESTED PARTIES

Via U.S. Certified Mail - Return Receipt Requested

RE: Application for Authroization to Inject
Berry Allred SWD #3
Township 21S, Range 32E, N.M.P.M
Section 6, 3,200' FNL & 250' FEL
Lea County, New Mexico

To Whom It May Concern:

Enclosed for your review is a copy of a C-108 Application submitted by LilyStream Water Solutions, LLC, Lovington, New Mexico, to the New Mexico Oil Conservation Division to drill and complete for produced water disposal the Berry Allred SWD #3.

The well is located in Section 6, Township 21S, Range 32E, 3,200' FNL and 250' FEL, Lea County, New Mexico.

As required by NMOCD, we are notifying you because you have been indentified as an operator or surface owner and therefor an affected party by this action. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

The well will be a commercial SWD well taking produced water from oil and gas operations in the surrounding area. Please contact Joel Lowry with Lowry Environmental and Associates, LLC, at 432.466.4450 , with any questions or concerns regarding this well or application.

Respectfully,

Joel Lowry

Joel W. Lowry
LOWRY
environmental

XIV. PROOF OF NOTICE

7017 2620 0001 0356 8149

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

For delivery information, visit our website at www.usps.com®.
DALLAS, TX 75240

OFFICIAL USE

Certified Mail Fee	$3.50
Extra Services & Fees (check box, add fee as appropriate)	$2.80
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

0660 09

Postmark Here

06/12/2019

Sent To: MRC Permian Co.
Street and Apt. No., or PO Box No.: 5400 LBJ FWY STE 1500
City, State, ZIP+4®: Dallas, TX 75240

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

7017 2620 0001 0356 8156

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

For delivery information, visit our website at www.usps.com®.
DENVER, CO 80202

OFFICIAL USE

Certified Mail Fee	$3.50
Extra Services & Fees (check box, add fee as appropriate)	$2.80
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

0660 09

Postmark Here

06/12/2019

Sent To: Ascent Energy LLC
Street and Apt. No., or PO Box No.: 1624 18th St. STE 200
City, State, ZIP+4®: Denver, CO 80202

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

7017 2620 0001 0356 8163

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

For delivery information, visit our website at www.usps.com®.
BARTLESVILLE, OK 74005

OFFICIAL USE

Certified Mail Fee	$3.50
Extra Services & Fees (check box, add fee as appropriate)	$2.80
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

0660 09

Postmark Here

06/12/2019

Sent To: Conocophillips Co.
Street and Apt. No., or PO Box No.: P.O. Box 7500
City, State, ZIP+4®: Bartlesville, OK 74005

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

7017 2620 0001 0356 8170

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

For delivery information, visit our website at www.usps.com®.
MIDLAND, TX 79706

OFFICIAL USE

Certified Mail Fee	$3.50
Extra Services & Fees (check box, add fee as appropriate)	$2.80
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

0660 09

Postmark Here

06/12/2019

Sent To: Chevron Midcontinent LP
Street and Apt. No., or PO Box No.: 6301 Deauville
City, State, ZIP+4®: Midland, TX 79706

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

7017 2620 0001 0356 8187

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

For delivery information, visit our website at www.usps.com®.
MIDLAND, TX 79706

OFFICIAL USE

Certified Mail Fee	$3.50
Extra Services & Fees (check box, add fee as appropriate)	$2.80
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

0660 09

Postmark Here

06/12/2019

Sent To: Chevron USA Inc
Street and Apt. No., or PO Box No.: 6301 Deauville
City, State, ZIP+4®: Midland, TX 79706

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

7017 2620 0001 0356 8989

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☐ Adult Signature Restricted Delivery	$
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0660 09

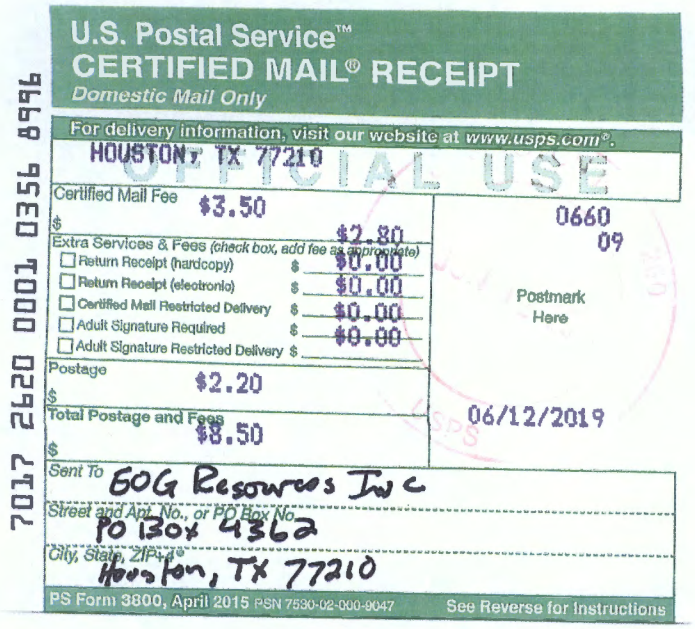
Postmark Here

06/12/2019

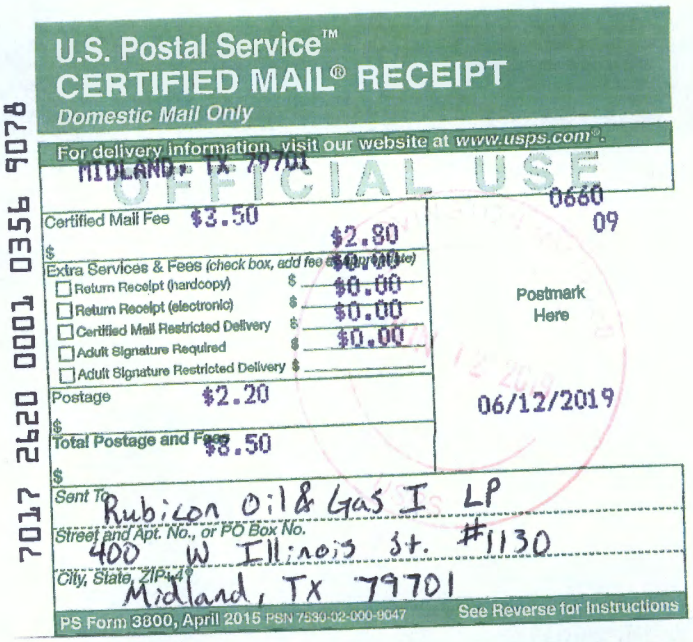
Sent To: Manta Oil & Gas Corp
Street and Apt. No., or PO Box No.: P.O. Box 10886
City, State, ZIP+4®: Midland, TX 79702

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

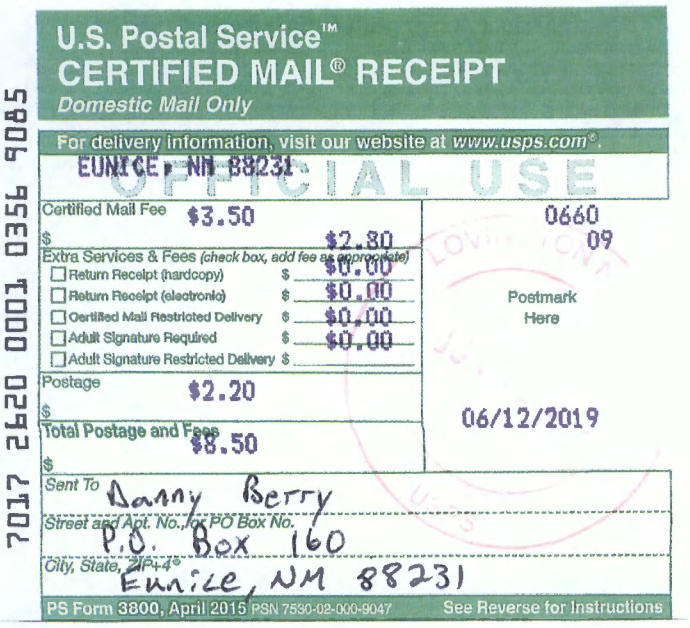
XIV. PROOF OF NOTICE



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Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $2.20
Total Postage and Fees $8.50
$2.80
0660 09
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06/12/2019
Sent To 60G Resources Inc
Street and Apt. No., or PO Box No. PO Box 4362
City, State, ZIP+4® Houston, TX 77210
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
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Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $2.20
Total Postage and Fees $8.50
$2.80
0660 09
Postmark Here
06/12/2019
Sent To Rubicon Oil & Gas I LP
Street and Apt. No., or PO Box No. 400 W Illinois St. #1130
City, State, ZIP+4® Midland, TX 79701
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
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EUNICE, NM 88231
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Return Receipt (hardcopy) $0.00
Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $2.20
Total Postage and Fees $8.50
$2.80
0660 09
Postmark Here
06/12/2019
Sent To Danny Berry
Street and Apt. No., or PO Box No. P.O. Box 160
City, State, ZIP+4® Eunice, NM 88231
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
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Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $2.20
Total Postage and Fees $8.50
$2.80
0660 09
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Sent To SES Oil & Gas Inc
Street and Apt. No., or PO Box No. PO Box 371
City, State, ZIP+4® Midland TX 79702
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Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $2.20
Total Postage and Fees $8.50
$2.80
0660 09
Postmark Here
06/12/2019
Sent To Oxy Y-1 Company
Street and Apt. No., or PO Box No. P.O. Box 27570
City, State, ZIP+4® Houston, TX 77227
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
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Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required $0.00
Adult Signature Restricted Delivery $
Postage $2.20
Total Postage and Fees $8.50
$2.80
0660 09
Postmark Here
06/12/2019
Sent To COG Operating LLC
Street and Apt. No., or PO Box No. 600 W. Illinois Avenue
City, State, ZIP+4® Midland, TX 79701
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
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DALLAS, TX 75244

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☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

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JUN 12 2019

06/12/2019

Sent To: Pure Energy Operating, Inc
Street and Apt. No., or PO Box No.: 14282 Gillis Road
City, State, ZIP+4®: Farmers Branch, TX 75244

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

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SANTA FE, NM 87508

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☐ Return Receipt (electronic)	$0.00
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☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

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JUN 12 2019

06/12/2019

Sent To: Bureau of Land Management
Street and Apt. No., or PO Box No.: 310 Dinosaur Trail
City, State, ZIP+4®: Santa Fe, NM 87508

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

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MIDLAND, TX 79707

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☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

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JUN 12 2019

06/12/2019

Sent To: XTO Permian Operating LLC
Street and Apt. No., or PO Box No.: 6401 Holiday Hill Road Building #5
City, State, ZIP+4®: Midland, TX 79707

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

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MIDLAND, TX 79707

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☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

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JUN 12 2019

06/12/2019

Sent To: XTO Energy Inc.
Street and Apt. No., or PO Box No.: 6401 Holiday Hill Rd. Bldg. 5
City, State, ZIP+4®: Midland, TX 79707

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

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SANTA FE, NM 87501

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☐ Return Receipt (hardcopy)	$0.00
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☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

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JUN 12 2019

06/12/2019

Sent To: New Mexico State Land Office
Street and Apt. No., or PO Box No.: 310 Santa Fe Trail
City, State, ZIP+4®: Santa Fe, NM 87501

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

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HOBBS, NM 88240

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☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

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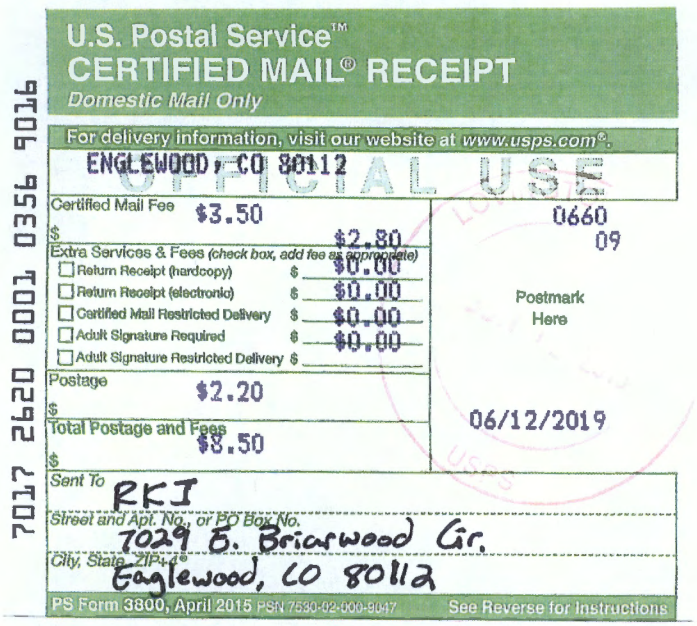
JUN 12 2019

06/12/2019

Sent To: NMOCD - District 1
Street and Apt. No., or PO Box No.: 1625 N. French Drive
City, State, ZIP+4®: Hobbs, NM 88240

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☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

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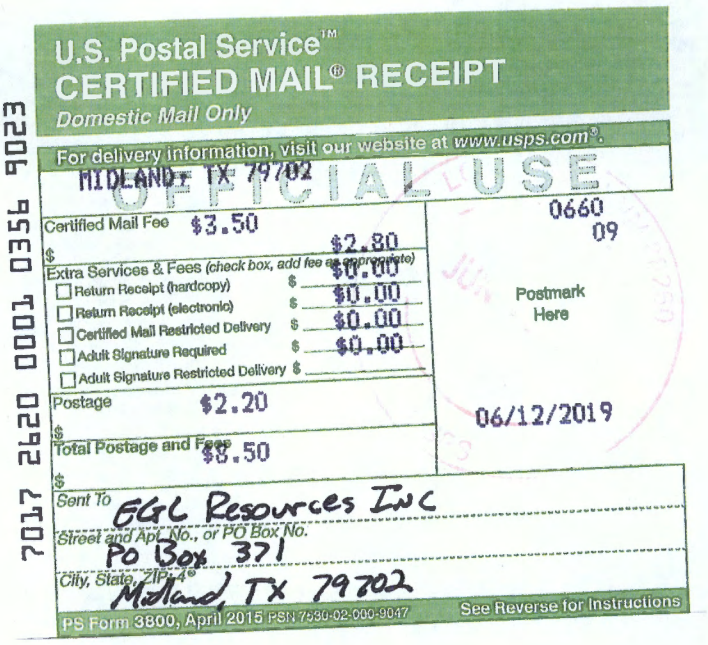
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06/12/2019

Sent To RKI
Street and Apt. No., or PO Box No. 7029 S. Briarwood Cir.
City, State, ZIP+4® Englewood, CO 80112

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

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MIDLAND, TX 79702

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☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.20
Total Postage and Fees	$8.50

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Sent To EGL Resources Inc
Street and Apt. No., or PO Box No. PO Box 371
City, State, ZIP+4® Midland, TX 79702

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

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Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
June 15, 2019
and ending with the issue dated
June 15, 2019.

Publisher

Sworn and subscribed to before me this
15th day of June 2019.

Business Manager

My commission expires
January 29, 2023
(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-23

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGALS

LEGAL NOTICE
JUNE 15, 2019

LilyStream Water Solutions, LLC, 1308 W. Ave N, 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 Berry Allred SWD No. 3 is located at 3,200' FNL & 250' FEL, Section 6, Township 21S Range 32E, N.M.P.M., Lea County, New Mexico: From the intersection of NMDOT HWY 62/180 and NMDOT HWY 176 go South/Southeast 4.85 miles to existing lease road, head South on caliche road 1.3 miles then West 3.25 miles. (API # to be assigned). Produced water from area oil and gas producing wells will be commercially disposed into the Devonian and Silurian formations from 14,385' to 15,600' below surface. Expected maximum injection rate is 30,000 bpd, and the expected maximum injection pressure is 2,877 psi. Questions concerning the application can be directed to the applicant's agent Lowry Environmental, LLC, PO Box 896, Lovington, NM 88260, by phone (432) 466-4450 or email joel@lowryenvironmental.com. Objections or request 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.
#34316

67115859 00229640

CADEN JAMESON
LILLYSTREAM WATER SOLUTIONS
1308 W AVE N
LOVINGTON, NM 88260