Initial Application Part I

Received: 02/25/2022

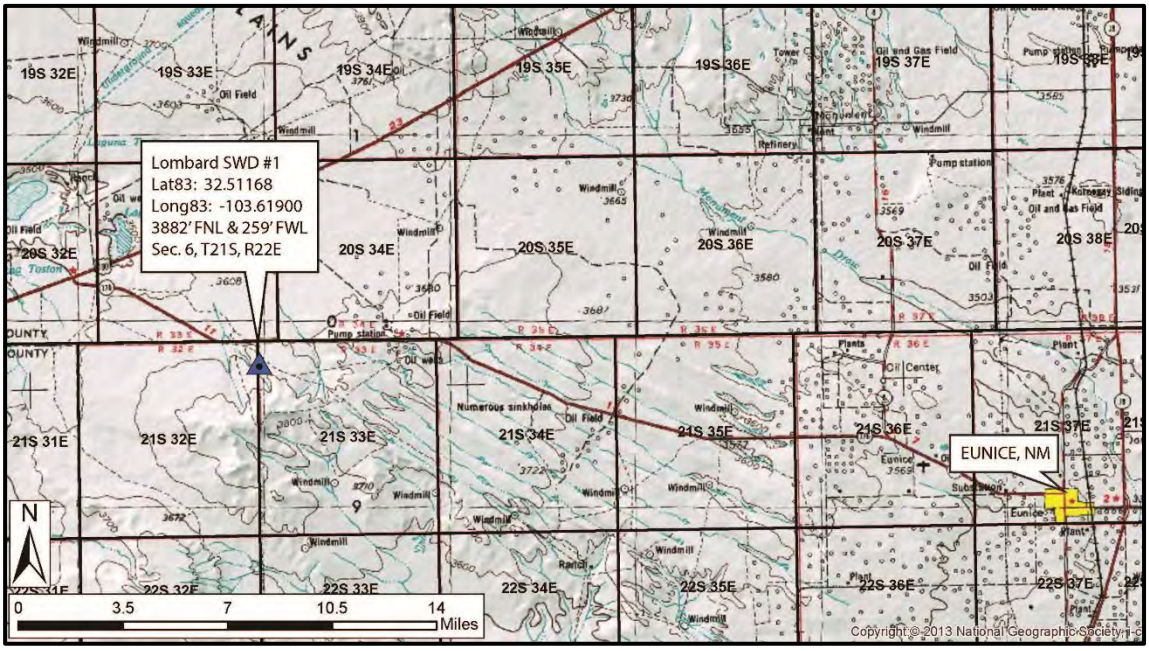
This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

PROPOSED LOMBARD SWD #1 CLASS II INJECTION WELL
APPLICATION FOR ADMINISTRATIVE AUTHORIZATION TO INJECT

3BEAR FIELD SERVICES
Lombard SWD #1
API: 30-025-47424

Surface Location: 3,882' FNL & 259' FWL, Section 6, T21S, R33E
Coordinates (NAD83): Latitude 32.51168, Longitude -103.61900

Lea County, New Mexico



February 2022

Prepared For:

3Bear Field Services, LLC
500 Don Gaspar Avenue
Santa Fe, NM 87505

Prepared By:

Geolex, Inc.®
500 Marquette Ave, Suite 1350
Albuquerque, NM 87102
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pJZT2206634210 SWD-2472 Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO: SXFLK-220225-C-1080

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: 3 BEAR FIELD SERVICES, LLC **OGRID Number:** 372603
Well Name: LOMBARD STATE SWD #1 **API:** 30-025-47424
Pool: 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.

David A. White, P.G.
Print or Type Name

Signature

02/21/2022
Date

505-842-8000
Phone Number

dwhite@geolex.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 ___X___Disposal _____Storage
Application qualifies for administrative approval? ___X___Yes _____No

II. OPERATOR: 3Bear Field Services, LLC

ADDRESS: 500 Don Gaspar Avenue; Santa Fe, New Mexico 87505

CONTACT PARTY: Alberto Gutiérrez, C.P.G. or David White, P.G. PHONE: 505-842-8000

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

IV. Is this an expansion of an existing project? ___X___Yes _____No Application for reissuance of expired permit.
If yes, give the Division order number authorizing the project: Originally approved under Order # SWD-2378

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. **Sections 5 and 6; Appendix A**

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. **Section 5; Appendix A**

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected; **Sections 1, 2, and 3**
2. Whether the system is open or closed; **Sections 1, 2, 4, and 7**
3. Proposed average and maximum injection pressure; **Sections 1 and 3**
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, **Sections 3 and 4; Appendix C**
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.). **Sections 3 and 4**

*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. **Sections 4 and 5**

IX. Describe the proposed stimulation program, if any. **N/A**

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
WELL IS NOT YET DRILLED

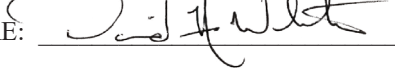
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. **Section 4.4; Appendix C**

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 zone and any underground sources of drinking water. **Section 7**

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

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

NAME: David A. White, P.G. TITLE: Consultant to 3Bear

SIGNATURE:  DATE: 02/21/2022

E-MAIL ADDRESS: dwhite@geolex.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 submittal: _____

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

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) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

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) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

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1.0 EXECUTIVE SUMMARY

On behalf of 3Bear Field Services, LLC (3Bear), Geolex, Inc.® (Geolex) has prepared and is hereby submitting this complete C-108 application for administrative approval to drill, complete, and operate a saltwater disposal well, the Lombard SWD #1 well (API: 30-025-47424) in Section 6 of Township 21 South, Range 33 East (32.51168, -103.61900, NAD83), approximately 31 miles southwest of Hobbs in Lea County, New Mexico (Figure 1). The Lombard SWD #1 well was previously approved for injection by NMOCD Administrative Order SWD-2378 and the deadline to commence operations passed, due to COVID-related interruptions. 3Bear is seeking approval to have this injection authority re-issued or re-instated, in order to continue progressing towards completion of the project.

Surface facilities will be constructed by 3Bear at this location, and the new disposal well is proposed in order to properly dispose of produced water from 3Bear activities servicing various local producers in the area (Figure 2). 3Bear intends and seeks approval to inject a maximum of 25,000 barrels per day (bpd) with an anticipated monthly average of 20,000 bpd through the proposed well. 3Bear request a maximum allowable operating pressure of 3,107 psig, as determined utilizing NMOCD-approved methods.

Lombard SWD #1 will be drilled as a vertical well with an approximate surface location of 3,882 feet from the north line (FNL) and 259 feet from the west line (FWL) of Section 6 (Figure 2). The well will be constructed utilizing a four-string casing design. The surface, first intermediate, and second intermediate casing strings will be cemented to the surface. A 7-5/8" production liner will be utilized from approximately 11,330 feet to 15,535 feet, overlapping approximately 200 feet with the 9-5/8" second intermediate casing interval. The integrity of cementing operations will be verified via visual inspection, as well as through collection of cement bond logs for all casing strings.

The proposed injection zone will target the Devonian and Upper Silurian Wristen and Fusselman formations at depths of approximately 15,535 feet to 17,000 feet. Analysis of these geologic units confirms that they act as excellent closed-system reservoirs that will accommodate 3Bear's produced water disposal needs, without an increase in induced-seismicity risk. In the area of Lombard SWD #1, the proposed injection interval is overlain by a thick interval of dense Woodford Shale (approximately 190 feet) and an additional 580 feet of low-porosity, low-permeability Mississippian carbonates of the Osage and Barnett formations. These formations will contain the produced water injectate and prevent upward migration into overlying potential and active pay zones.

In total, there are 43 wells within a one-mile radius of the proposed Lombard SWD #1. Specific well data is summarized in Appendix A along with relevant plugging documents. Of these wells, 15 are active and 6 are plugged. Additionally, there are 22 locations permitted, but have not yet been drilled or completed. Within one-half mile of the proposed SWD well, the targeted injection zone is penetrated by one plugged well, the ETZ Federal #1, which was drilled to a total depth of 16,396 feet. Available NMOCD well records (included in Appendix A) document that plugging operations for the ETZ Federal #1 were completed on July 5, 1956. The well is reported to be plugged back to 8,766 feet, which will provide sufficient isolation from the targeted Siluro-Devonian injection zone and the plugged well should not be negatively impacted by the operation of the Lombard SWD #1 well.

The area surrounding the proposed SWD well is arid and there are no natural bodies of water within several miles of the location. A search of the New Mexico State Engineer's files shows four water wells or points of diversion within two miles of the proposed SWD. The closest water well is located approximately 0.52 miles away and has a total depth of 1,000 feet. This and all additional wells within the two-mile radius area of interest are shallow and will be protected via the proposed Lombard SWD #1

casing design, which includes a surface casing set at 1,600 feet that will isolate and protect shallow groundwater resources.
In preparing this C-108 application, Geolex conducted a detailed examination of all the elements required to be evaluated in order to prepare and obtain approval for this application for injection. The elements of this evaluation include:

- Identification and characterization of all hydrocarbon-producing zones of wells that surround and are present on the proposed well site
- The depths of perforated pay intervals in those wells relative to the depth of the target injection zone (Devonian, Wristen, and Fusselman formations)
- The past and current uses of the proposed injection interval
- The stratigraphic and structural setting of the targeted zones relative to any nearby active or plugged wells, and other wells penetrating the interval
- The identification of all surface owners within a one-mile radius of the proposed injection well and copies of notification letters they were provided
- Identification and characterization of all plugged and operating wells penetrating the proposed injection zone within a one-half mile radius of the proposed injection well
- The details of the proposed injection operation, including general well design and average and maximum daily rates of injection and injection pressures
- Sources of injection fluid and compatibility with the formation fluid of the injection zone
- Location and identification of any freshwater-bearing zones in the area; the depth and quality of available groundwater in the vicinity of the proposed well, including a determination that there are no structures which could possibly connect the disposal zone with any known sources of drinking water.

Based upon this detailed evaluation, Geolex and 3Bear have determined that the proposed Lombard SWD #1 well is a safe and environmentally sound project for the disposal of produced water.

2.0 INTRODUCTION AND ORGANIZATION OF THE C-108 APPLICATION

The completed NMOCD Form C-108 is included before the Table of Contents of this document and references appropriate sections where data required to be submitted are included.

This application organizes and details all of the information required by NMOCD and NMOCC to evaluate and approve the submitted Form C-108 – Application for Authorization to Inject. This information is presented in the following categories:

- A detailed description of the location, construction, and operation of the proposed disposal well (Section 3.0)
- A summary of the regional and local geology, the hydrogeology, and the location of drinking water wells within the ½-mile area of review (Section 4.0)
- The identification, location, status, producing zones, and other relevant information on oil and gas wells within the ½-mile area of review (Section 5.0)
- The identification and required notification for operators and surface landowners that are located within the ½-mile area of review (Section 6.0)
- An affirmative statement, based on analysis of geologic conditions at the site, that there is no hydraulic connection between the proposed injection zone and any known sources of drinking water (Section 7.0)

In addition, this application includes the following supporting information:

- Appendix A: Data tables showing all active, temporarily abandoned, abandoned, and plugged oil and gas wells included within a one mile and two-mile radius of the proposed Lombard SWD #1.
- Appendix B: Table summarizing the operators, lessees, surface owners, and other interested parties within one mile of the proposed SWD well, copies of notice letters and proof of delivery, and affidavit of publication of newspaper notice

3.0 PROPOSED CONSTRUCTION, TESTING, AND OPERATION OF LOMBARD SWD #1

The 3Bear Lombard SWD #1 will be drilled at approximately 3,882 feet from the north line (FNL) and 259 feet from the west line (FWL) of Section 6 of Township 21 South, Range 33 East (Figure 2). 3Bear will construct surface facilities at this location, and Lombard SWD #1 is proposed in order to properly dispose of produced water from 3Bears activities servicing producers in the area. 3Bear anticipates a monthly average injection rate of 20,000 barrels per day (bpd) and a maximum injection rate of 25,000 bpd.

3.1 DESIGN OF LOMBARD SWD #1

The location of the proposed SWD well is shown in Figure 2, and a schematic of the injection well is shown in Figure 3. The 3Bear Lombard SWD #1 will be drilled as a vertical well to an anticipated total depth of 17,000 feet within the Devonian Thirty-one and upper Silurian Wristen and Fusselman formations. The injection zone (approximately 15,535 feet to 17,000 feet) will be completed as an open-hole injection interval.

The SWD facilities and well will be integrated components of the 3Bear surface facilities. The preliminary well design for the new injection well, Lombard SWD #1, is shown in Figure 3. The well is designed to accommodate injection of up to 25,000 bpd for a design life of at least 30 years.

The proposed well utilizes a four-string casing design (Figure 3). Surface casing (20-inch) will be set in competent strata above the Salado Salt at a depth of approximately 1,600 feet. The first intermediate casing (13.375-inch) will be set through the salt to a depth of approximately 5,650 feet within the Cherry Canyon Formation. The second intermediate casing (9.625-inch) will be advanced to a depth of approximately 11,530 feet, protecting the 1st and 2nd sands of the Bone Springs Formation. A 7.625-inch production liner will be utilized from 11,330 feet to 15,535 feet with an overlap of approximately 200 feet. The final completion will be constructed as a 6.125-inch open-hole interval to a total depth of approximately 17,000 feet.

Design considerations for Lombard SWD #1 include: 1) Installation of adequate casing strings to isolate and protect groundwater resources and producible hydrocarbon intervals; 2) characterization of the injection zone and overlying caprock strata; and 3) a total depth (TD) ensuring accurate identification of the target injection reservoir.

A suitable drilling rig will be selected for drilling operations that will include an appropriate blowout preventer and choke-manifold system for any unforeseen pressure encountered. Visual inspections of cement return to the surface will be noted in the conductor, surface, 1st-intermediate, and 2nd-intermediate casing operations. Casing and cement integrity will be demonstrated by pressure testing and 360-degree cement bond logs for each cement operation.

The four casing strings shown in Figure 3 are summarized in the following Table 1.

Table 1. Summary of Lombard SWD #1 casing schedule

Casing	Hole Size (in)	Tubular Size (in)	Pounds per foot	Grade	Thread	Top (ft)	Bottom (ft)	Length (ft)
Proposed Casing								
Surface	26	20	106.5	HCN-80	BTC	0	1600	1600
1st Intermediate	17.5	13.375	72	HCL-80	BTC	0	5650	5650
2nd Intermediate	12.25	9.625	47	NT80LHE	BTC	0	11530	11530
Production Liner	8.75	7.625	39	HCL-80	FJ	11330	15535	4205
Injection Tubing								
Tubing	-	5.5	20	HCL-80	BTC	0	15535	15535

The conductor, surface, 1st-intermediate, and 2nd-intermediate casing will be cemented to the surface utilizing appropriate conventional cement and methods. These cement jobs will be pressure tested and 360-degree cement bond logs will be recorded after the required amount of time has passed for the cement to set.

Once the integrity of cementing operations has been verified, the production-casing borehole will be advanced to a depth of approximately 15,535 feet within the top of the Devonian Thirty-one Formation. A 7.625-inch production liner will be set at approximately 11,330 feet and 15,535 feet, overlapping approximately 200 feet with the 2nd-intermediate casing string. The production liner will be cemented in place utilizing conventional cement and methods.

After the required time interval has passed for the production liner cement to set, the success of the operation will be confirmed via pressure testing and 360-degree cement bond logging. Subsequently, the borehole will be advanced to the anticipated total depth of 17,000 feet within the Fusselman Formation and will be completed with a permanent injection packer and 15,535 feet of 5.5-inch injection tubing set at a depth of 15,535 feet.

Preliminary details of the proposed cementing operations for Lombard SWD #1 are summarized in Table 2 below:

Table 2. Lombard SWD #1 proposed cementing program

Casing String	Stage No.	Cement Type	Yield (ft^3/sk)	Coverage Interval
Conductor	1	RediMix	-	0’ to 75’
Surface	1	Lead: Econocem HLC Tail: HalCem C	Lead: 1.892 Tail: 1.343	0’ to 1,600’
1st Intermediate	1	Lead: Econocem HLC Tail: HalCem C	Lead: 1.892 Tail: 1.35	0’ to 6,700’
2nd Intermediate	1	Lead: NeoCem Tail: NeoCem	Lead: 2.731 Tail: 1.439	5,650’ to 11,530’
2nd Intermediate	2	Lead: NeoCem Tail: HalCem C	Lead: 2.806 Tail: 1.35	0’ to 5,650’
Production Liner	1	Lead: NeoCem Tail: VersaCem	Lead: 2.733 Tail: 1.223	11,505’ to 15,535’

Lombard SWD #1 will be completed with a permanent injection packer and 5.5” injection tubing set at a depth of approximately 15,535 feet. The injection tubing string will utilize 5.5”, HCL-80, BTC tubulars with Duoline lining material (or equivalent). Design considerations for Lombard SWD #1 include setting a 7.625” by 5.5” permanent injection packer comprised of appropriate high-temperature elastomer and material grades, which will provide an effective seal preventing the upward flowback of injectate out of the target reservoir.

3.2 GEOPHYSICAL LOGGING AND RESERVOIR TESTING

Open-hole geophysical logging will be performed for the interval underlying the 2nd-intermediate casing string, from approximately 11,530 feet to 17,000 feet. The proposed open-hole logging suite will consist of the following: Gamma ray, formation density, resistivity, neutron porosity, and 360-degree caliper measurements with integrated borehole volume. Fullbore Formation Microimager (FMI) logs will be recorded along the proposed injection interval, as well as the overlying caprock to verify the integrity and confirm the capability of overlying material to contain the injection fluids.

Upon completion of geophysical logging operations for Lombard SWD #1, reservoir testing operations will be completed. A temporary string of removable packer and tubing will be run to conduct an injection test (Step Rate Test) to determine the final injection pressure and volumes to ensure the formation parting pressure (fracture pressure) is not reached during injection operations. Once the reservoir has been tested and safe operation conditions have been confirmed, the final 5.5-inch injection tubing string and permanent injection packer will be run and set at a depth of approximately 15,535 feet.

3.3 CALCULATED MAXIMUM ALLOWABLE OPERATING PRESSURE (MAOP)

The total maximum volume and average volume of produced water to be injected under this scenario will be approximately 25,000 bpd and 20,000 bpd, respectively. Pressure reduction valves will be incorporated to ensure that the maximum allowable operating pressure, approved by the NMOCD, will not be exceeded.

The calculated maximum allowable surface injection pressure (known as MAOP – maximum allowable operating pressure) would be approximately 3,107 psi. To determine this limit, we utilize the following method approved by the NMOCD to calculate the proposed MAOP:

$$IP_{Max} = PG(D_{Top})$$

Where: IP_{Max} = Maximum Surface Injection Pressure (psi)
PG = Pressure Gradient of Injection Fluid (psi/foot)
D_{Top} = Depth to the top of the injection zone (feet)

And

$$PG = 0.2 + 0.433\ (1.04 - SG_{Sw})$$

Where: SG_{Sw} = Specific gravity of the disposed produced water

Based on our review of the targeted injection reservoir and the anticipated produced water composition, the specific gravity of the injectate and top of the injection reservoir are as follows:

SG_{Sw} = 1.04
D_{Top} = 15,535 feet

Therefore:

$$PG = 0.2 + 0.433\ (1.04 - 1.04)$$
$$PG = 0.2$$

And

$$IP_{Max} = 0.2\frac{psi}{ft}\ x\ Depth$$

$$IP_{Max} = 3{,}107\ psi$$

For this reason, 3Bear Field Services request approval for a surface injection MAOP of 3,107 psig for the proposed Lombard SWD #1.

4.0 REGIONAL AND LOCAL GEOLOGY AND HYDROGEOLOGY

4.1 GENERAL GEOLOGIC SETTING AND SURFACE GEOLOGY

The proposed Lombard SWD #1 site is located in Section 6, Township 21 South, Range 33 East, in Lea County, New Mexico, approximately 31 miles west-southwest of Hobbs (Figure 1). The well location lies within a portion of the Pecos River Basin referred to as the Querecho Plains Reach (Nicholson & Clebsch, 1961). This area is relatively flat and largely covered by sand dunes underlain by a hard caliche surface. The dune sands are locally stabilized with shin oak, mesquite, and some burr grass. There are no observed surface bodies of water or groundwater discharge sites within one mile of the proposed well location. Where drainages exist in interdunal areas, they are ephemeral, discontinuous dry washes. The proposed well site is underlain by Quaternary alluvium overlying the Triassic redbeds of the Santa Rosa Formation (Dockum Group), both of which are local sources of groundwater. The thick sequences of Permian strata that underlie these deposits are described generally below.

4.2 BEDROCK GEOLOGY

The 3Bear facility and proposed SWD well are located in the northern portion of the Delaware Basin, a sub-basin of the larger Permian Basin (Figure 4), which encompasses a large area of southeastern New Mexico and West Texas. The Permian Basin as we know it today began to take form during the Middle to Late Mississippian, with various segments (Delaware Basin, Midland Basin, Central Basin Platform, and North Platform) arising from the ancestral Tabosa Basin. The Delaware Basin was subsequently deepened by periodic deformation during the Hercynian Orogeny of the Pennsylvanian through Early Permian. Following the orogeny, the Delaware Basin was structurally stable and gradually was filled by large quantities of clastic sediments while carbonates were deposited on the surrounding shelves and was further deepened via basin subsidence.

Figure 5 includes a generalized Permian Basin stratigraphic column showing the anticipated formation and lithologies that underlie the proposed well site. The entire Lower Paleozoic interval (Ellenburger through Devonian) was periodically subjected to subaerial exposure and prolonged periods of karsting, most especially in the Fusselman and Devonian intervals. The result of this exposure was the development of systems of karst-related secondary porosity, which included solution enlargement of fractures and vugs, and the development of small cavities and caves. Particularly in the Fusselman, solution features from temporally distinct karst events became interconnected with each successive episode of subaerial exposure, so there is the potential for vertical continuity in parts of the Fusselman that could lead to enhanced vertical and horizontal permeability.

In this area of the Permian Basin, major tectonic activity was primarily confined to the lower Paleozoic section, where seismic data show major faulting and ancillary fracturing affecting only as high as the lower Woodford Shale. Faulting high in the section that is related to the Hercynian Orogeny is more prevalent closer to the Central Basin Platform margins and the northern margins of the Northwest Shelf.

The sub-Woodford Paleozoic rocks extend down to the Ordovician Ellenburger Formation, which is separated from underlying basement rock by a limited interval of Early Ordovician sandstones and granite wash. The Ellenburger is comprised of dolomites and limestones and is up to several hundred feet in thickness. It is overlain by approximately 330 feet of Ordovician Simpson Group sandstones and tight limestones, as well as approximately 180 feet of basal Montoya Formation cherty carbonates.

The Silurian Fusselman and Wristen, and Devonian Thirty-one formations overlie the Montoya, and are comprised of interbedded dolomites and dolomitic limestones that are capped by the Woodford Shale. The Woodford Shale is overlain by several hundred feet of tight Osagean limestone and several hundred

feet of shale and basinal limestones of the Upper Mississippian Chester Formation. The overlying Pennsylvanian Morrow, Atoka, and Strawn formations complete the pre-Permian section. Within this entire sequence, the Morrow Formation is a gas-producing zone, with smaller contributions from the Atoka and Strawn. The proposed Siluro-Devonian injection zone does not produce economic hydrocarbons in the area of the proposed Lombard SWD #1.

4.3 LITHOLOGIC AND RESERVOIR CHARACTERISTICS OF THE SILURO-DEVONIAN FORMATIONS

The proposed injection interval includes the Devonian Thirty-one and Silurian Wristen and Fusselman formations, collectively referred to as the Siluro-Devonian. These strata include numerous intervals of dolomites and dolomitic limestones with moderate to high primary porosity. Additionally, the proposed injection interval includes significant regions of secondary, solution-enlarged porosity produced during periods where strata were subaerially exposed and significant karst features developed. These karst features most frequently developed in the Fusselman Formation and include solution cavities and enlarged fracture and fracture networks throughout the Siluro-Devonian section, which can be substantial enough to provide additional permeability that is not readily apparent on geophysical well logs. The porous zones of the Siluro-Devonian are separated by tight limestones and dolomites.

Based on the geologic evaluation of the subsurface, produced water injection is recommended between depths of 15,535 to 17,000 feet. Figure 6 includes a type log of the proposed injection zone that includes the anticipated formation top depths for the Lombard SWD #1 and illustrates the sufficiently low porosity intervals overlying the injection zone.

Units overlying the proposed injection interval provide excellent caprock to prevent the upward migration of injected fluids out of the target reservoir. This caprock includes approximately 190 feet of dense Woodford Shale overlain by at least 800 feet of tight Mississippian limestone (Figures 6 and 7). These units exhibit the necessary characteristics and properties to be an excellent geologic seal above the porous carbonates of the injection zone and will provide excellent protection of shallow groundwater resources and overlying pay zones.

There are no producing zones within or below the Siluro-Devonian in the area of the proposed well and the proposed injection zone is isolated from the nearest overlying producing zone (Morrow Formation) by approximately 190 feet of Woodford Shale, 580 feet of tight Mississippian limestone (Osage, Meramec), and approximately 250 feet of tight Chesterian and Barnett formation shale and deep-water limestone. It lies a minimum of 830 feet above the Precambrian basement rock.

Figure 7 includes an approximate east-west structural cross section in the area of the proposed Lombard SWD #1 and highlights the lateral extent of available porosity and the regional coverage of overlying caprock in the area. Shown in Figure 7 are faults identified during a review and analysis of licensed 3D seismic survey data in the area of the proposed well. These structures are located greater than three miles from the proposed well location and are discussed further in Section 4.6.

4.4 INJECTION FLUID SOURCE AND COMPOSITION OF THE PROPOSED INJECTION FLUIDS

Lombard SWD #1 is being proposed in order to properly dispose of produced water from 3Bear activities servicing local oil and gas production in the area. The produced water injectate will be primarily sourced from nearby active and proposed wells producing from the Bone Springs and Wolfcamp formation plays in the area.

Included in Appendix C are the complete results of injection fluid laboratory analyses for 3Bear's north and south inlets to the existing Libby Berry Fed SWD. Fluid characteristics identified in these analyses are summarized below in Table 3 and are fully representative of the anticipated fluid compositions that will be injected via the proposed Lombard SWD #1.

Table 3. Summary of injection fluid analyses for Libby Berry Fed SWD

FIELD INLET	CONCENTRATION (parts per million)										
	TDS	SG	Resist.	pH	HCO3	Ca	Cl	K	Mg	Na	SO4
North	109319	1.08	6.64	7.10	181.50	4108	67622	674.40	542.90	35388	660.00
South	119313	1.09	5.96	7.09	181.50	3581	74492	685.00	510.30	39835	660.00

Additionally, the following Table 4 includes the results of produced water analyses of the Bone Springs and Wolfcamp formations from wells within 20 miles of the proposed Lombard SWD #1 location, as reported by the U.S. Geological Survey *National Produced Water Geochemical Database*, v. 2.3.

Table 4. Compilation of Bone Springs Formation and Wolfcamp Formation produced water analyses from wells within 20 miles of the proposed Lombard SWD #1 (U.S. Geological Survey National Produced Water Geochemical Database, v. 2.3)

API	CONCENTRATION (parts per million)										
	TDS	SG	Resist.	pH	HCO3	Ca	Cl	K	Mg	Na	SO4
Bone Springs Formation											
3002520404	142213	1.096	0.073	7.02	769	4440	84200	724	827	48833	2350
3002503126	255451	1.163	0.047	6.72	326.8	14514	156699	-	2600	80469	779
3002500925	4304	-	-	-	647	267	1600	-	78	-	595
3002523267	196805	1.138	0.05	6.3	300	12800	121000	1232	2590	58113	770
3002503156	195200	1.134	0.056	6.6	220	6600	118000	-	170	69200	1030
3002502362	145500	-	-	-	220	2600	87300	-	580	-	1500
3002500922	143221	1.096	0.078	6.8	215	6814	86881	-	1020	47220	1070
Wolfcamp Formation											
3002520173	101057	1.063	0.103	8.3	732	2060	58100	576	321	36092	3050
3002503123	60950	1.046	0.118	7.08	1087	1380	33568	483	432	20946	3049
3002524836	164916	1.118	0.064	5.8	451.5	18328	101031	-	1844	41128	1308
3002502362	130761	-	-	-	230	2600	77800	-	47700	426	2000
3002502408	187065	-	-	-	146	7459	114800	-	62210	2230	220
3002503116	190380	-	0.045	-	-	14800	118000	-	55000	2380	200
3002503124	202925	-	-	-	357	10790	127900	-	60640	2501	737
3002503135	8788	-	0.74	-	550	395	3180	-	2538	125	2000
3002520514	122516	-	-	-	488	13030	74780	-	30660	2080	1478
3002520555	23704	-	-	-	1580	1840	12000	-	5700	744	1840
3002520950	55362	-	-	-	1800	2280	30800	-	17300	912	2270

These analyses demonstrate that Total Dissolved Solids (TDS) concentrations of Bone Springs and Wolfcamp formation fluids range from 4,304 to 255,451 parts per million (ppm), with an average concentration of 127,987 ppm. The primary anion identified in each sample set is chloride, with concentrations ranging from 1,600 to 156,699 ppm and an average of 77,488 ppm.

4.5 CHEMISTRY OF THE RESERVOIR FLUIDS

A review of Siluro-Devonian formation water chemistry from the U.S. Geological Survey *National Produced Waters Geochemical Database*, v. 2.3 identified 23 wells with analyses of fluid samples collected from the Siluro-Devonian interval. These samples were collected from wells within approximately 20 miles of the proposed Lombard SWD ##1 (Section 6, Township 21 South, Range 33 East). The following Table 5 summarizes the measured formation fluid characteristics.

Table 5. Summary of Devonian produced water analyses from nearby wells (U.S. Geological Survey Produced Water Geochemical Database, v. 2.3)

API	CONCENTRATION (parts per million)										
	TDS	SG	Resist.	pH	HCO3	Ca	Cl	K	Mg	Na	SO4
3002503156	25800	1.02	0.346	7.7	830	1170	14100	-	134	8410	1120
3002504270	48300	1.037	0.192	6.7	1150	2080	26700	-	486	15600	2340
3002508483	71078	1.051	0.101	7	500	2400	42200	610	329	24039	1000
3002521082	80187	1.056	0.092	6.9	476	2820	47900	637	378	27076	900
3002521647	25199	1.019	0.244	7	415	1210	14200	250	171	7903	1050
3002520378	39874	1.027	0.152	7.37	545	1529	22440	208	258	13093	1529
3002501735	28079	1.022	0.309	7.03	791	1022	14810	193	185	9127	1885
3002500869	24662	-	0.2	-	284	727	12520	-	-	-	2586
3002500872	26967	-	0.225	-	640	1186	14760	-	206	-	1427
3002500960	28550	-	-	-	818	967	14320	-	385	-	1280
3002501661	21444	-	-	-	881	5090	11400	-	93	-	1537
3002502247	31145	-	0.156	-	183	1520	18200	-	292	-	950
3002502424	29436	-	0.185	-	634	1550	16720	-	496	-	1142
3002502431	33414	-	0.177	-	227	1775	18570	-	151	-	1961
3002503113	30255	-	0.255	-	562	1100	16500	-	73	-	1820
3002503114	28813	-	-	-	1207	1501	16520	-	432	-	362
3002503115	10202	-	-	-	561	812	4060	-	1106	-	2598
3002503118	27719	-	-	-	392	1274	14870	-	148	-	1956
3002503130	28417	-	-	-	560	1306	15910	-	248	-	1244
3002503136	31047	-	-	-	722	1843	17610	-	304	-	1065
3002503137	28173	-	-	-	168	1408	15500	-	245	-	1856
3002503151	27740	-	-	-	247	1720	16180	-	442	-	926
3002520377	44825	-	-	-	761	2590	27970	-	2424	-	-

The results of these produced water analyses demonstrate that Devonian formation fluid TDS concentrations range from 10,202 to 80,187 ppm, with an average of 33,536 ppm. Similar to the proposed injection fluid compositions (produced water of the Wolfcamp and Bone Spring formations), the primary anion of the injection reservoir fluid is chloride. Reported chloride concentrations range from 4,060 to 47,900 ppm, with an average of 18,868 ppm.

Based on the results of these analyses, the proposed injectate fluid composition is compatible with the target injection reservoir fluids. While drilling and completing the proposed Lombard SWD #1, attempts will be made to collect current samples of formation fluid at this location in order to identify site-specific fluid characteristics.

4.6 GROUNDWATER HYDROLOGY IN THE VICINITY OF THE PROPOSED INJECTION WELL

Based on the New Mexico Water Rights Database from the New Mexico Office of the State Engineer (NMOSE), there are four (4) water wells located within a two-mile radius of the proposed Lombard SWD #1 well, and only one water well within a one-mile radius. Of these wells, the closest is located approximately 0.52 miles away and was drilled to a total depth of 1,000 feet (Figure 8, Table 6). The remaining wells within the two-mile radius are shallow, collecting water from approximately 55 to 170 feet deep, in alluvium and the Triassic redbeds. The shallow freshwater aquifer will be protected as the proposed well design isolates the shallow zones via a four-string casing design, including a surface casing interval that extends 1,600 feet within the Rustler Formation, effectively isolating shallow groundwater resources (Figure 3).

The area surrounding the proposed injection well is arid and there are no bodies of surface water within a two-mile radius.

Table 6. Water wells within two miles of the proposed 3Bear Lombard SWD #1 (retrieved from the New Mexico Office of the State Engineer's files on January 14, 2022)

POD #	Source	Section	Twn.	Rng.	Lat (NAD83)	Long. (NAD83)	Distance (mi)	Depth (ft)
CP 00793 POD 1	CP	1	21S	32E	32.514259	-103.627334	0.52	1000
CP 01884 POD 1	CP	1	21S	32E	32.500879	-103.636170	1.20	55
CP 00794 POD 1	CP	18	21S	33E	32.483429	-103.616692	1.92	160
CP 00795 POD 1	CP	18	21S	33E	32.483429	-103.616692	1.95	170

Files retrieved from the New Mexico Office of the State Engineer for the singular well (CP 00793 POD 1) located within one mile of the proposed SWD site record that, in July 1993, the well was not in operation and had not been operating for several years (Appendix C – Declaration of Owner of Underground Water Rights).

Geolex has sent correspondence to the water rights owner of record (on February 1, 2022, and previously on April 15, 2020) requesting confirmation of the status of the well and, if possible, permission to collect and analyze fluid samples representative of local groundwater resources underlying the proposed SWD (Correspondence regarding sample request is included in Appendix C). Efforts to collect fluid samples are continuing and any additional information will be provided to NMOCD, if and when they are available. However, it is likely that the only data representing nearby water wells are in the public records, which we have reviewed and the results of which are provided below.

In lieu of recent groundwater sample collection and chemical analysis, Geolex conducted a review of *Geology and Ground-Water Conditions in Southern Lea County, New Mexico* (Nicholson and Clebsch, 1961) to identify published groundwater data representative of nearby water wells in the area of the proposed SWD well. The following Table 7 summarizes the four wells identified in this review and the results of those chemical analyses.

Table 7. Chemical analysis results of samples collected from water wells in the area of the proposed Lombard SWD #1 (Nicholson and Clebsch, 1961, *Geology and Ground-Water Conditions in Southern Lea County, New Mexico)*

Historical Owner	Location (T-R-S)	Location (Qtr-Qtr)	Depth (ft)	Ca (eq)	Na+K	HCO3	SO4	Cl	NO3	Hardness	pH
Texas Co.	21S-33E-2	SW/4 NE/4	1150	0.44	-	336	95	20	-	22	8.0
DC Berry	21S-33E-2	NE/4 SE/4	120	-	-	116	17	1020	-	-	-
	21S-33E-2	NE/4 SE/4	120	35.40	2.5	115	20	1170	13	1770	7.3
	21S-33E-2	NE/4 SE/4	120	48.00	-	109	43	1640	-	2400	7.1
DC Berry	21S-33E-2	SE/4 SE/4	-	6.08	-	345	15	12	-	304	7.4
	21S-33E-2	SE/4 SE/4	-	6.12	-	354	18	7	-	306	7.5
-	21S-35E-27	NE/4 SW/4	-	4.08	-	301	170	44	-	204	8.0

*Underlined concentrations indicate concentration reported in equivalents, otherwise, concentrations are reported as parts per million (ppm).

Our analysis of local groundwater confirms that the proposed Lombard SWD #1 well poses no risk of contaminating groundwater in the area as 1) the proposed well design includes material considerations intended to protect shallow groundwater resources, and 2) there are no identified conduits that would facilitate migration of injected fluids to freshwater-bearing strata.

4.7 POTENTIAL FOR INDUCED SEISMICITY IN THE AREA OF LOMBARD SWD #1

To evaluate the potential for seismic events in response to injected fluids, Geolex conducted an induced-seismicity risk assessment in the area of the proposed SWD well. This estimate 1) includes construction of a hydrologic model to simulate the impact of 20 nearby injection wells over a 30-year period, and 2) estimates the fault-slip probability associated with the simulated injection scenario. This analysis was

completed utilizing the Stanford Center for Induced and Triggered Seismicity's (SCITS) Fault Slip Potential (FSP) model developed by Walsh and Zoback (2016).

To identify subsurface structures in the area of the proposed SWD well, Geolex evaluated and interpreted licensed seismic survey data (Fairfield – Red Tank Survey) covering the Lea County area of interest. Based on this review, Geolex identified six fault features in the area of the proposed well, of which, two are located greater than three miles west of the well location, and the remaining faults are approximately six miles east of the proposed Lombard SWD site (Figure 9). Observed faults in the area generally strike approximately north to south with two features east of the location striking approximately east-west. Due to the location of faults relative to the proposed Lombard SWD #1 location, it is anticipated that operation of the Lombard SWD, as requested, will not contribute significantly to the risk of injection-induced slip as the location is separated from more active areas of injection by several miles and is not in close proximity to faults in alignment with the direction of maximum horizontal stress. To verify these structures would not be negatively impacted by approval of the proposed Lombard SWD, a model simulation was performed to quantify the risk associated with injection operations in the area of the proposed SWD.

To calculate the fault-slip probability for this injection scenario, input parameters characterizing the local stress field, reservoir characteristics, subsurface features, and injected fluids are required. Parameters utilized and their sources for this study are included in the following Table 8. Additionally, Table 9 details the injection volume characteristics and locations of the disposal wells simulated in this scenario. For wells in which the maximum anticipated injection volumes were not available through review of NMOCD records, a value of 25,000 barrels injected per day was assumed.

For all modeled scenarios, injection wells were simulated utilizing their maximum anticipated daily injection volumes for a period of at least 30 years. These values range from 1,900 to 40,000 bpd (Table 9). Additionally, the simulation period was increased to 36 years in order to consider the historic impact of disposal wells that are currently operating and have been in operation since 2015. This approach yields a more conservative model prediction that ensures operation of the proposed Lombard SWD #1 will not produce induced-seismic events.

Generally, faults considered in this assessment are predicted by the Stanford FSP model to have very little to no potential for injection-induced slip and the proposed Lombard SWD #1 well is not predicted by the model to contribute significantly to the probability of slip. All features included in the model simulation show very little increase in slip potential throughout the total simulated injection period (Figure 10). Table 10 summarizes the predicted pressure change along each fault and includes the model-derived pressure increase necessary to induce slip for each feature. Additionally, radial solutions that characterize the pressure effects imparted on the reservoir by each injection well show that the Lombard SWD #1 is located at a great enough distance that it contributes only minimally to reservoir pressure conditions along the nearest fault.

In summary, no structures included in the modeled simulations experience any significant increase in slip potential and modeled pressure increases along faults after at least 30 years fall significantly short of the required pressure to induce slip. Furthermore, radial pressure solutions calculated for each simulated injection well illustrate that the operation of the Lombard SWD will have little impact on conditions near faults in the area.

Table 8. Input parameters and source material for FSP model simulations

Modeled Parameter	Input Value	Variability (+/-)	UOM	Source
Stress				
Vertical Stress Gradient	1.05	0.105	psi/foot	Nearby well estimate
Max. Horizontal Stress Direction	N60E	5	Deg.	Lund Snee & Zoback, 2018
Reference Depth	15,550	-	Feet	Nearby well evaluation
Initial Reservoir Pressure Gradient	0.43	0.043	psi/foot	Lund Snee & Zoback, 2018
A-Phi Parameter	0.65	0.065	-	Lund Snee & Zoback, 2018
Reference Friction Coefficient (mu)	0.6	0.06	-	Published standard value
Hydrologic				
Aquifer Thickness	1450	145	Feet	Nearby well evaluation
Porosity	4	0.4	%	Nearby well evaluation
Permeability	15	1.5	mD	Nearby well evaluation
Material Properties				
Density (water)	1040	50	Kg/m^3	Standard Value
Dynamic Viscosity (water)	0.0008	0.0001	Pa.s	Standard Value
Fluid Compressibility (water)	3.6×10^{-10}	0	Pa^{-1}	Standard Value
Rock Compressibility	1.08×10^{-9}	0	Pa^{-1}	Standard Value

Table 9. Location and characteristics of injection wells simulated in the FSP assessment

#	API	Well Name	Latitude (NAD83)	Longitude (NAD83)	Volume (bbl/day)	Start (year)	End (year)
1	3002547424	LOMBARD STATE SWD #001	32.511680	-103.619000	25000	2022	2052
2	TBD	LIBBY AGI #1	32.540940	-103.532811	1900	2022	2052
3	TBD	LIBBY AGI #2 (BHL)	32.543184	-103.535536	1900	2022	2052
4	3002542974	SMITH RANCH SWD #001	32.599030	-103.593230	20000	2022	2052
5	3002542527	CORAZON 4 STATE SWD #002	32.512685	-103.577069	25000	2015	2052
6	3002543422	QUAIL 16 STATE SWD #009	32.568770	-103.566300	25000	2017	2052
7	3002545344	LIBBY BERRY FEE SWD #002	32.564420	-103.540390	25000	2019	2052
8	3002543474	LIGHTNING 1 STATE SWD #002	32.510828	-103.526770	25000	2017	2052
9	3002544288	LIBBY BERRY FEE SWD #001	32.544460	-103.524630	25000	2018	2052
10	3002544189	OKEANOS SWD #001	32.524504	-103.520697	25000	2018	2052
11	3002545815	DAGGER STATE SWD #001	32.449928	-103.607440	25000	2019	2052
12	3002543535	OKERLUND SWD #001	32.489948	-103.710492	20000	2022	2052
13	3002544273	ZEUS SWD #001	32.428628	-103.638033	30000	2019	2052
14	3002520506	LEA UNIT #10D	32.575159	-103.515688	20000	2022	2052
15	TBD	BEAR PAW SWD #1	32.470613	-103.535283	25000	2022	2052
16	TBD	QUICK SHOT UNIT SWD #1	32.420757	-103.604398	25000	2022	2052
17	TBD	LONG SHOT UNIT SWD #1	32.419965	-103.547719	25000	2022	2052
18	TBD	COOMBES SWD #1	32.556265	-103.642985	30000	2022	2052
19	TBD	RAGIN' RUTLEY SWD NO. 1	32.568253	-103.728943	40000	2022	2052
20	3002545390	SMITH RANCH SWD #1	32.623152	-103.632773	25000	2022	2052

Table 10. Summary of model simulation results showing the required pore pressure change to induced fault slip, actual change in pressure (as predicted by the FSP model), and probability of fault slip at the end of the simulated injection scenario.

Fault Segment #	Pressure necessary to induce fault slip	Actual Pressure at fault midpoint in 2052	Fault Slip Potential in 2052
1	1413	467	0.08
2	891	427	0.03
3	1095	385	0.00
4	5495	358	0.00
5	3419	453	0.00
6	2890	511	0.00
7	4286	526	0.00
8	3131	564	0.00
9	3767	576	0.00
10	5710	632	0.00
11	1166	447	0.00
12	1004	346	0.00
13	3244	738	0.00
14	5654	632	0.00
15	4594	478	0.00
16	4017	206	0.00
17	2970	202	0.00
18	1824	250	0.00

5.0 OIL AND GAS WELLS IN THE LOMBARD SWD #1 AREA OF REVIEW AND VICINITY

Appendix A summarizes in detail all NMOCD recorded wells within a one- and two-mile radius of the proposed Lombard SWD #1. These wells are shown in Figures A-1 and A-2 and include active, plugged, and permitted well locations. Table A-1 summarizes all wells within one mile of the proposed SWD well location and wells located within one-half mile are included in Table 11 below.

In total, there are 43 wells within a one-mile radius of the proposed Lombard SWD (Appendix A, Figure A2, Table A2). Of these wells, there are 15 active, 6 plugged, and 22 permitted. Active and planned wells primarily target Bone Springs and Wolfcamp formation pools, however, four gas wells were identified producing the Morrow Formation.

Within one-half mile of the proposed SWD, there are 11 wells, of which, 7 are active and 2 are plugged (Figures A1 and A2, Table 11). Additionally, there are 2 locations permitted, but have not yet been drilled or completed.

Table 11. Wells located within one-half mile of the proposed Lombard SWD #1

API	Well Name	Pool	Status	Lat. (NAD83)	Long. (NAD83)	Total Depth (ft)	Miles from SWD
3002502607	Shepherd Federal	No Data	Plugged	32.509724	-103.62196	3496	0.22
3002536596	Straw Hat State #001	Morrow	Active	32.51114	-103.61495	14504	0.23
3002544778	Toque State Com #202H	B. Spring	New	32.50756	-103.61577	0	0.34
3002527659	Minis Federal Com #001	Morrow	Active	32.513233	-103.62516	14000	0.38
3002544788	Toque State Com #602H	B. Spring	Active	32.50759	-103.61433	11653	0.38
3002544785	Toque State Com #502H	B. Spring	Active	32.507592	-103.61443	10890	0.39
3002544148	Toque State Com #501H	B. Spring	Active	32.50759	-103.61414	10796	0.4
3002544787	Toque State Com #601H	B. Spring	Active	32.50759	-103.61404	11649	0.4
3002544789	Toque State Com #701H	Wolfcamp	Active	32.50759	-103.61423	11738	0.4
3002502608	ETZ Federal #1	Wildcat	Plugged	32.513348	-103.62624	16396	0.44
3002536957	Imperial 6 Federal #001	No Data	New	32.517765	-103.61659	0	0.44

There is one well within the one-half mile radius of the proposed SWD that penetrates the anticipated injection interval (Table 12). The ETZ Federal #1 well was drilled to a total depth of 16,396 feet in October 1955 by Phillips Petroleum. Available NMOCD records for this well (Appendix A) show that plugging operations began on June 20, 1956, and were completed on July 5, 1956. Records of these operations document that the well has been plugged back to 8,766 feet, which will provide sufficient isolation from the target Siluro-Devonian injection reservoir and the plugged ETZ Federal #1 well is not anticipated to be negatively impacted by the operation of the proposed Lombard SWD #1 well.

Table 12. Wells located within one-half mile of Lombard SWD #1 that penetrate the target injection interval.

API	Well Name	Pool	Status	Lat. (NAD83)	Long. (NAD83)	Total Depth (ft)	Miles from SWD
3002502608	ETZ Federal #1	-	Plugged	32.513348	-103.626360	16396	0.44

6.0 IDENTIFICATION AND REQUIRED NOTIFICATION OF OPERATORS, SURFACE LESSEES, AND SURFACE OWNERS WITHIN THE AREA OF REVIEW

Geolex and 3Bear Field services originally contracted Lonquist & Co., LLC to research land records in Lea County, New Mexico to obtain a listing of all operators, oil and gas mineral leases, and surface owners within a one-mile radius of the proposed SWD well. For this re-application for authorization to inject, land ownership, nearby operators, and interested parties were verified through review of Enverus and Bureau of Land Management lease records and land records, as well as NMOCD well records. Appendix B includes the results of those inquiries.

Table B1 summarizes the operators, lessees, and surface owners in the one-mile area of interest. Table B2 includes a compiled list of all persons who were provided notice of 3Bear's intent to submit this C-108 application. Figures B1 and B2 illustrate areas held by operators and lessees/surface owners, respectively.

Copies of all individual notice letters, certified mail receipts, copy of the newspaper public notice, and affidavit of publication are also included in Appendix B.

7.0 AFFIRMATIVE STATEMENT OF LACK OF HYDRAULIC CONNECTION BETWEEN THE PROPOSED INJECTION ZONE AND KNOWN SOURCES OF DRINKING WATER

As part of the work performed to support this application, a detailed investigation of the structure, stratigraphy, and hydrogeology of the area surrounding the proposed Lombard SWD #1 well has been performed. This investigation included the analysis of available geologic data and hydrogeologic data from wells and literature identified in sections 3.0, 4.0, and 5.0 above, including related appendices. Based on this investigation and the analysis of these data, it is clear that there are no open fractures, faults, or other structures which could potentially result in the communication of fluids between the proposed injection zone and any known sources of drinking water or oil/gas production in the vicinity, as described in sections 4.0 and 5.0 of this application.

I have reviewed this information and affirm that it is correct to the best of my knowledge.

David A. White, P.G.
Project Manager, Geolex, Inc.®
Consultant to 3Bear Field Services

Signature: _____ Date: 02/21/2022

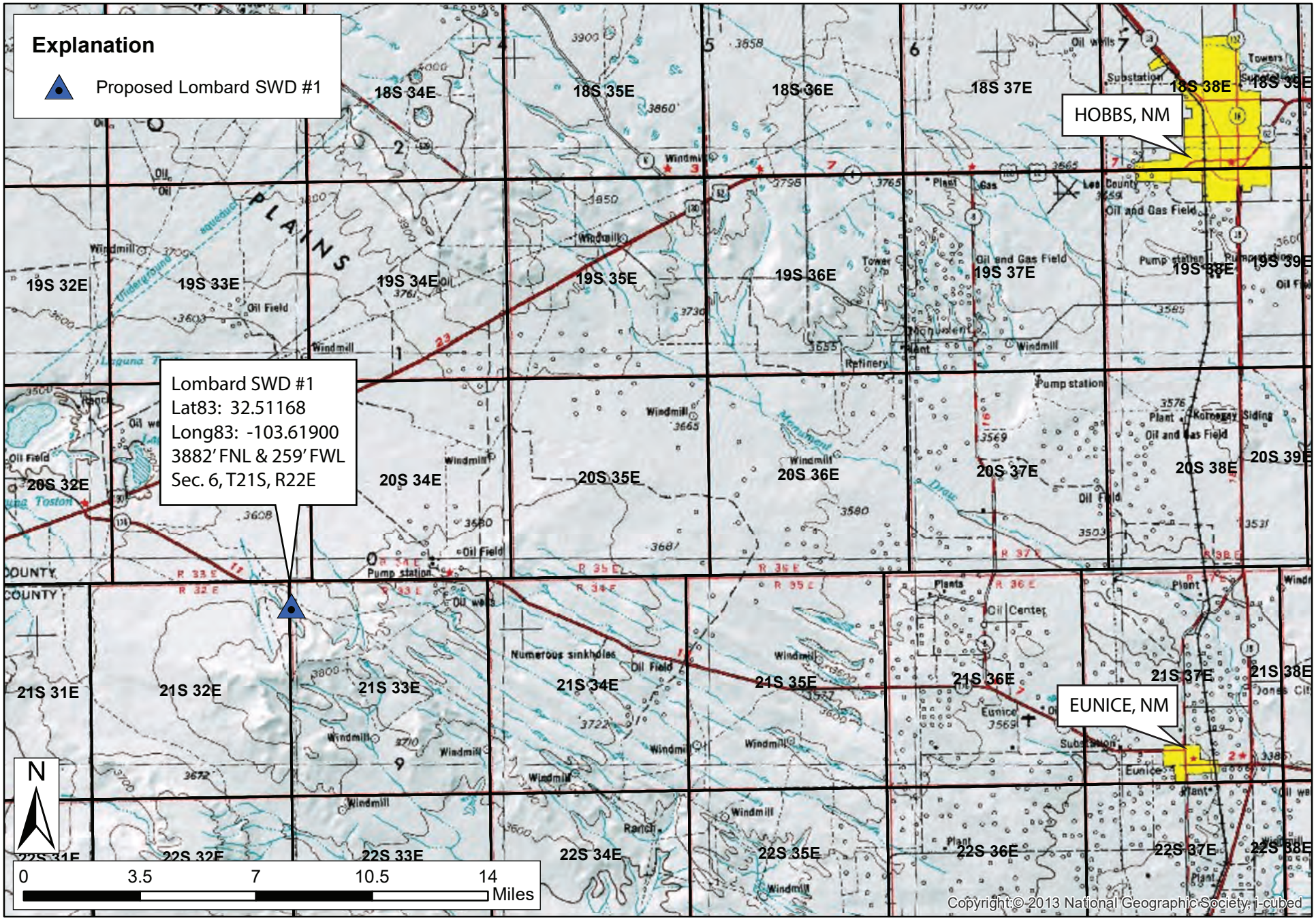

Figure 1. General location map for proposed well in Section 6 (T21S, R33E) located approximately 31 miles southwest of Hobbs, New Mexico

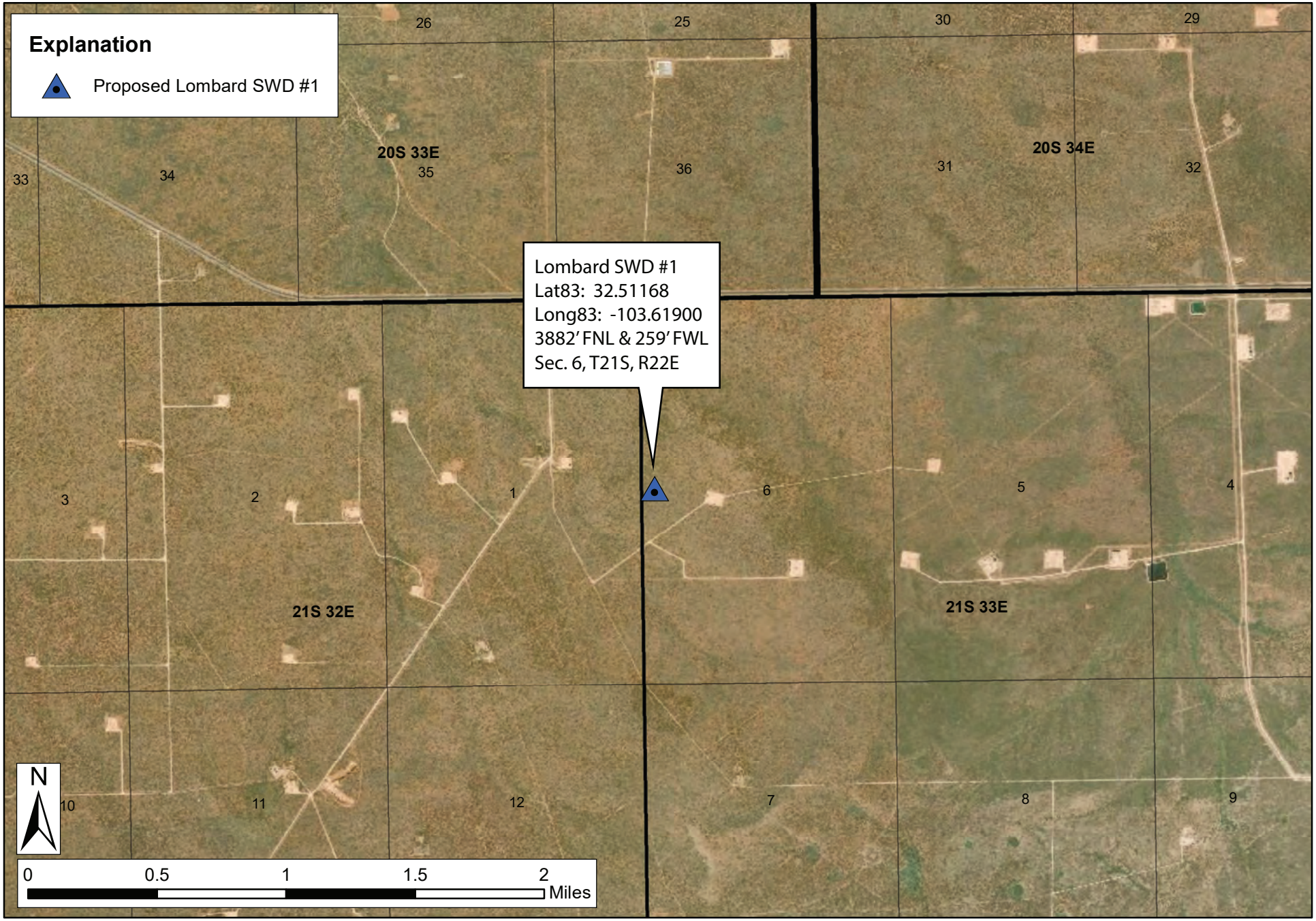

Figure 2. Detailed location map showing the anticipated Lombard SWD #1 location and 3Bear Energy surface facilities

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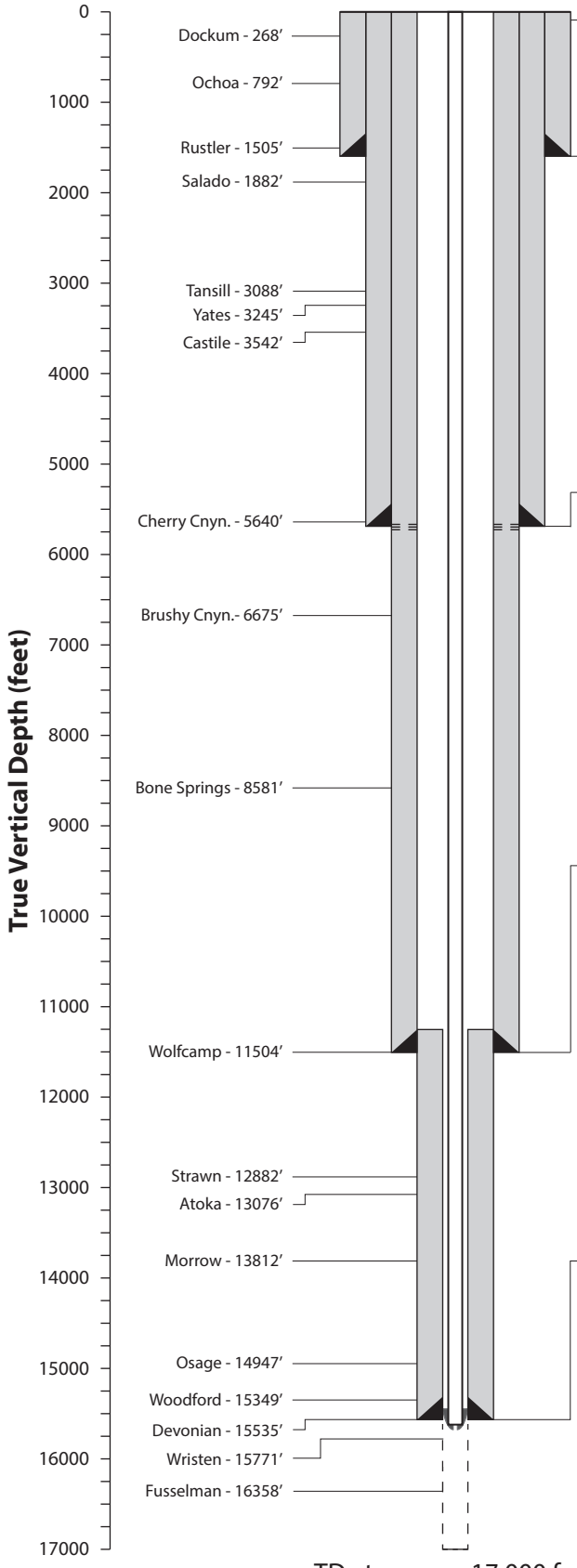
FIGURE 3
LOMBARD SWD #1
PRELIMINARY WELL SCHEMATIC

3Bear Energy



30" CONDUCTOR PIPE to 75'

SURFACE CASING 26" OH

ISOLATES AND PROTECTS WATER RESOURCES

20", 106.5 #/ft., HCN-80, BTC from 0' to 1,600'

Lead	Tail
876 sks - EconoCem HLC	2476 sks - HalCem C
12.9 ppg, 1.892 ft3/sk	14.8 ppg, 1.343 ft3/sk

FIRST INTERMEDIATE CASING 17.5" OH

13-3/8", 72 #/ft., HCL-80, BTC from 0' to 5,650'

Lead	Tail
2886 sks - EconoCem HLC	1352 sks - HalCem C
12.9 ppg, 1.892 ft3/sk	14.8 ppg, 1.35 ft3/sk

SECOND INTERMEDIATE CASING 12.25" OH

9-5/8", 47 #/ft., NT80LHE, BTC from 0' to11,530'

Stage 1 Lead	Stage 1 Tail
840 sks - NeoCem	250 sks - NeoCem
11 ppg, 2.731 ft3/sk	13.2 ppg, 1.439 ft3/sk
Stage 2 Lead	**Stage 2 Tail**
1349 sks - NeoCem	346 sks - HalCem C
11 ppg, 2.806 ft3/sk	14.8 ppg, 1.35 ft3/sk

DV TOOL @ 5,650' - *PROVIDES CEMENT STRING INTEGRITY*

PRODUCTION LINER 8.75" OH

7-5/8", 39 #/ft., HCL-80, FJ from 11,330' to 15,535'

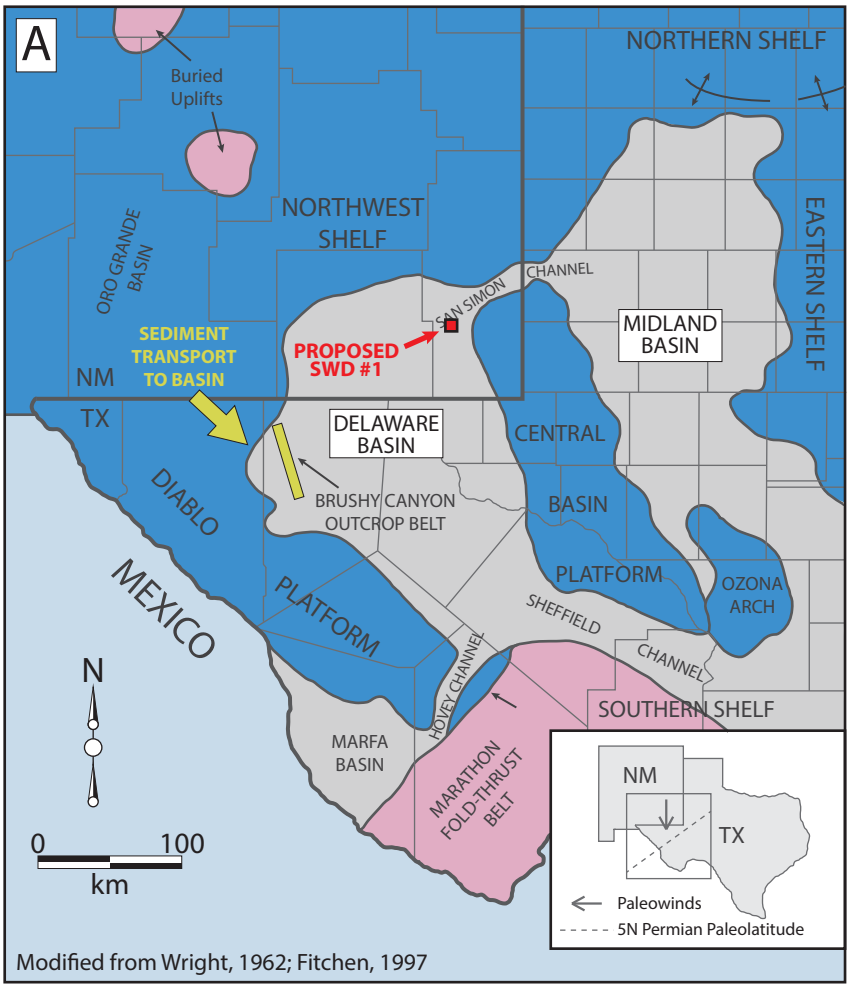
Lead	Tail
255 sks - NeoCem	75 sks - VersaCem
11 ppg, 2.733 ft3/sk	14.5 ppg, 1.223 ft3/sk

TUBING AND EQUIPMENT

5-1/2", L80, BTC injection tubing from approx. 0' to 15,535'
Permanent injection packer set at approx. 15,535'

6-1/8" OPEN-HOLE INTERVAL 15,535' to 17,000'

All depths are approximate and subject to change based on drilling and geology encountered



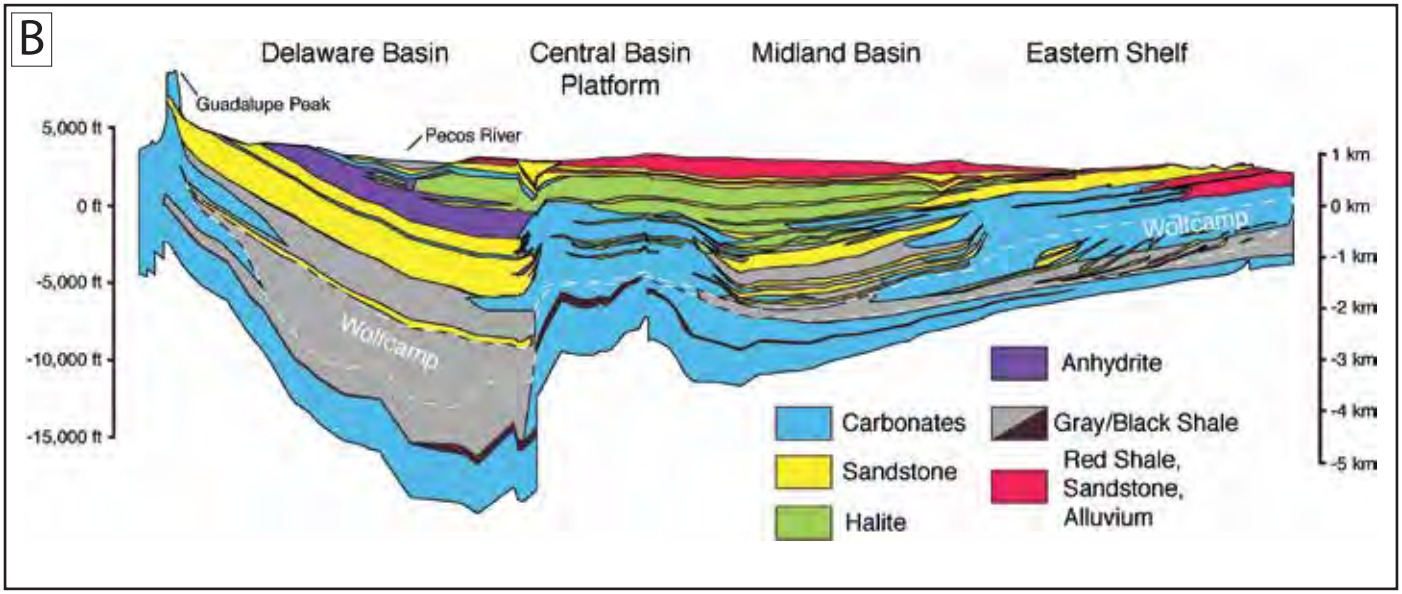


Figure 4. Structural setting (panel A) and general lithologies (panel B) of the Permian Basin

Generalized stratigraphic correlation chart for the Permian Basin region

SYSTEM	SERIES/ STAGE	NORTHWEST SHELF	CENTRAL BASIN PLATFORM	MIDLAND BASIN & EASTERN SHELF	DELAWARE BASIN	VAL VERDE BASIN
PERMIAN	OCHOAN	DEWEY LAKE RUSTLER SALADO	DEWEY LAKE RUSTLER SALADO	DEWEY LAKE RUSTLER SALADO	DEWEY LAKE RUSTLER SALADO CASTILE	RUSTLER SALADO
	GUADALUPIAN	TANSILL YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETA	TANSILL YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETA	TANSILL YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES SAN ANGELO	DELAWARE MT. GROUP BELL CANYON CHERRY CANYON ★ BRUSHY CANYON	TANSILL YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES
	LEONARDIAN	CLEARFORK YESO WICHITA ABO	CLEARFORK WICHITA	LEONARD SPRABERRY, DEAN	★ BONE SPRING	LEONARD
	WOLFCAMPIAN	WOLFCAMP	WOLFCAMP	WOLFCAMP	★ WOLFCAMP	WOLFCAMP
PENNSYLVANIAN	VIRGILIAN	CISCO	CISCO	CISCO	CISCO	CISCO
	MISSOURIAN	CANYON	CANYON	CANYON	CANYON	CANYON
	DESMOINESIAN	STRAWN	STRAWN	STRAWN	★ STRAWN	STRAWN
	ATOKAN	ATOKA – BEND	ATOKA – BEND	ATOKA – BEND	ATOKA – BEND	(ABSENT)
	MORROWAN	MORROW	(ABSENT)	(ABSENT ?)	★ MORROW	(ABSENT)
MISSISSIPPIAN	CHESTERIAN MERAMECIAN OSAGEAN KINDERHOOKIAN	CHESTER MERAMEC OSAGE KINDERHOOK	CHESTER MERAMEC OSAGE "BARNETT"	CHESTER MERAMEC OSAGE "BARNETT"	CHESTER MERAMEC OSAGE "BARNETT"	MERAMEC OSAGE "BARNETT"
		WOODFORD	KINDERHOOK WOODFORD	KINDERHOOK WOODFORD	KINDERHOOK WOODFORD	KINDERHOOK WOODFORD
DEVONIAN		DEVONIAN SILURIAN (UNDIFFERENTIATED)	DEVONIAN	DEVONIAN	DEVONIAN	DEVONIAN
SILURIAN			SILURIAN SHALE FUSSELMAN	SILURIAN SHALE FUSSELMAN	MIDDLE SILURIAN FUSSELMAN	MIDDLE SILURIAN FUSSELMAN
ORDOVICIAN	UPPER	MONTOYA	MONTOYA	SYLVAN MONTOYA	SYLVAN MONTOYA	SYLVAN MONTOYA
	MIDDLE	SIMPSON	SIMPSON	SIMPSON	SIMPSON	SIMPSON
	LOWER	ELLENBURGER	ELLENBURGER	ELLENBURGER	ELLENBURGER	ELLENBURGER
CAMBRIAN	UPPER	CAMBRIAN	CAMBRIAN	CAMBRIAN	CAMBRIAN	CAMBRIAN
PRECAMBRIAN						

Figure 5. General stratigraphy and producing zones (red stars) in the immediate area of Lombard SWD #1 (Yang and Dorobek, 1995)

3Bear Energy

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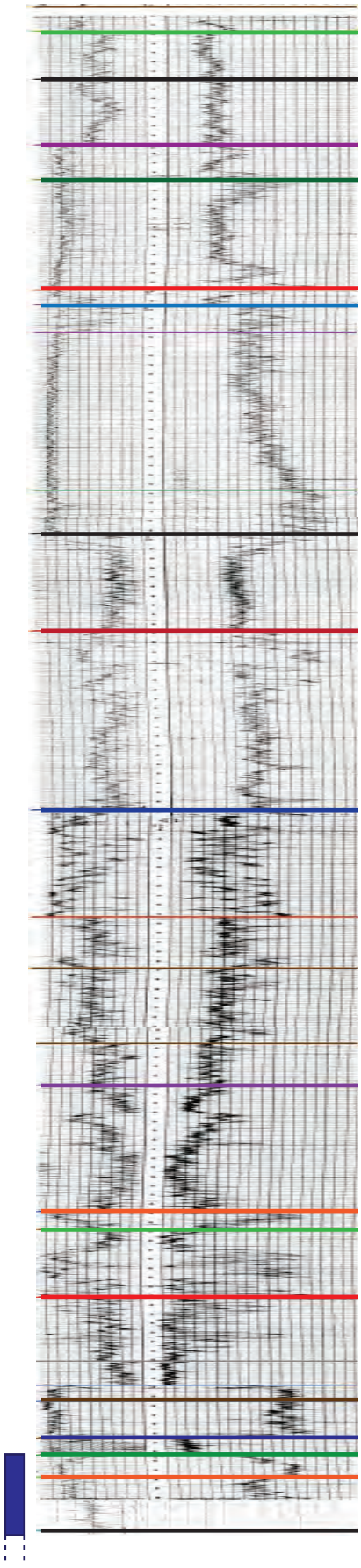
Figure 6. Type log illustrating the anticipated formation tops in the area of the proposed Lombard SWD #1. The targeted Siluro-Devonian injection zone is overlain by adequate caprock comprised of low-porosity, low-permeability Woodford Shale and overlying Mississippian (Osagean) carbonates.

Type log included here represents the ETZ Federal #1 well (details included below).

API: 30-025-02608
Well Name: ETZ Federal #1
Original Operator: Phillips Petro.
Total Depth: 16396'



TARGETED INJECTION ZONE
FROM 15535 TO 17000 FEET INCLUDING THE DEVONIAN THIRTY-ONE FORMATION AND SILURIAN WRISTEN AND FUSSELMAN FORMATIONS (BLUE BAR)

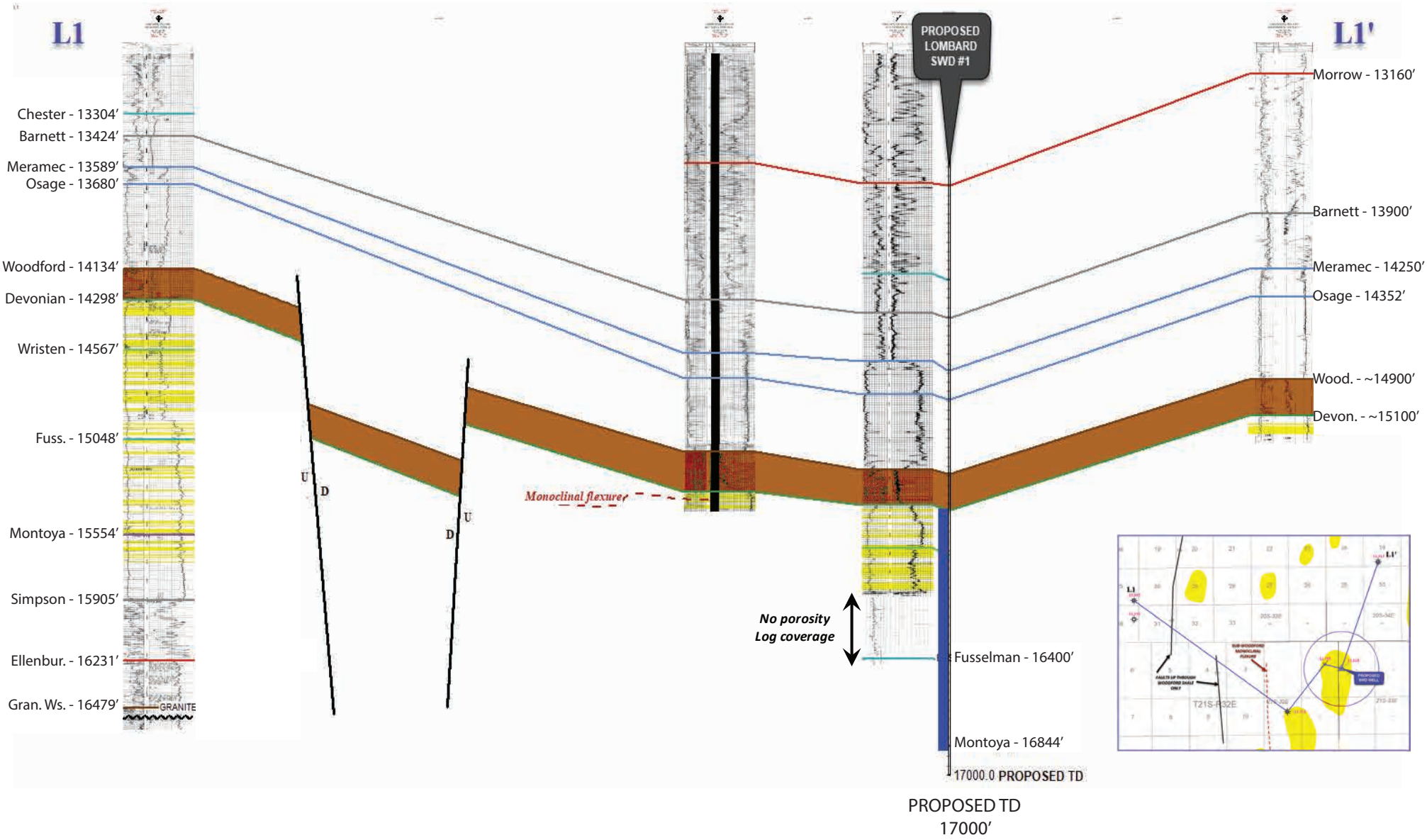


Figure 7. Structural cross section L1-L1' showing porosity profile within the proposed injection interval and regional extent of overlying caprock material. Two faults were identified in the area of the proposed Lombard SWD #1 and are discussed in greater detail in Section 4.6.

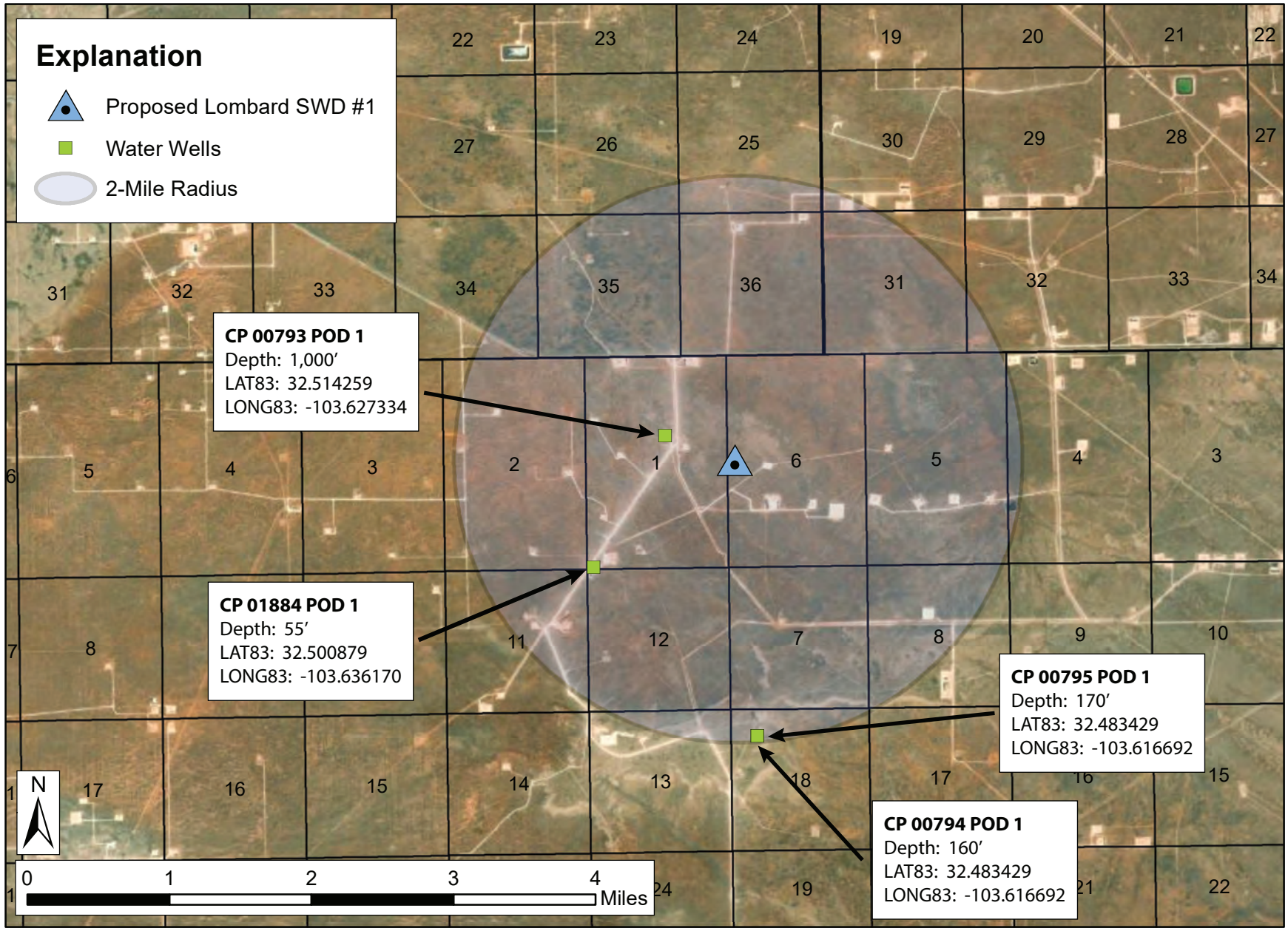


Figure 8. Water wells in the vicinity of the proposed Lombard SWD #1

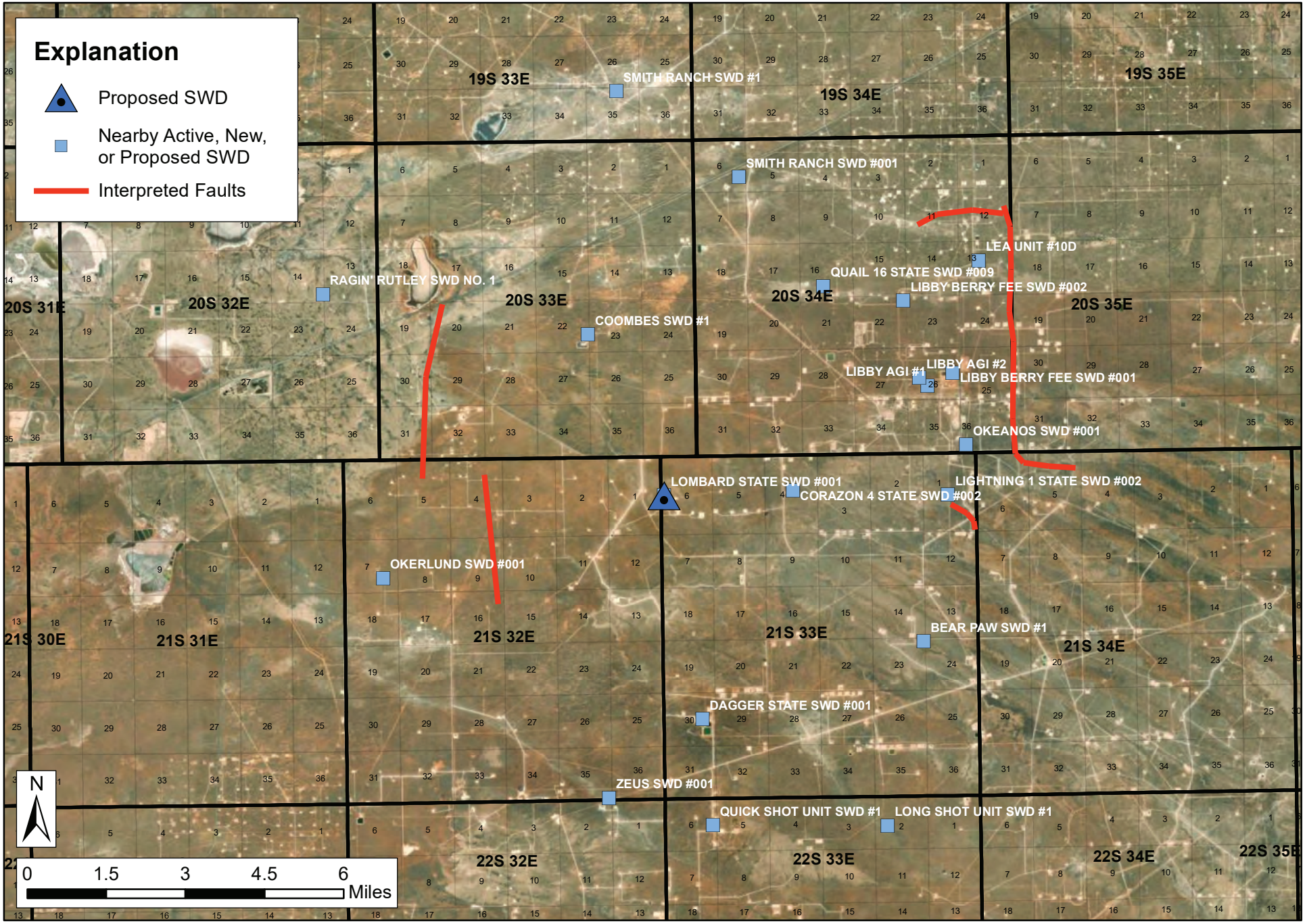


Figure 9. Injection wells and Devonian subsurface features in the vicinity of Lombard SWD #1

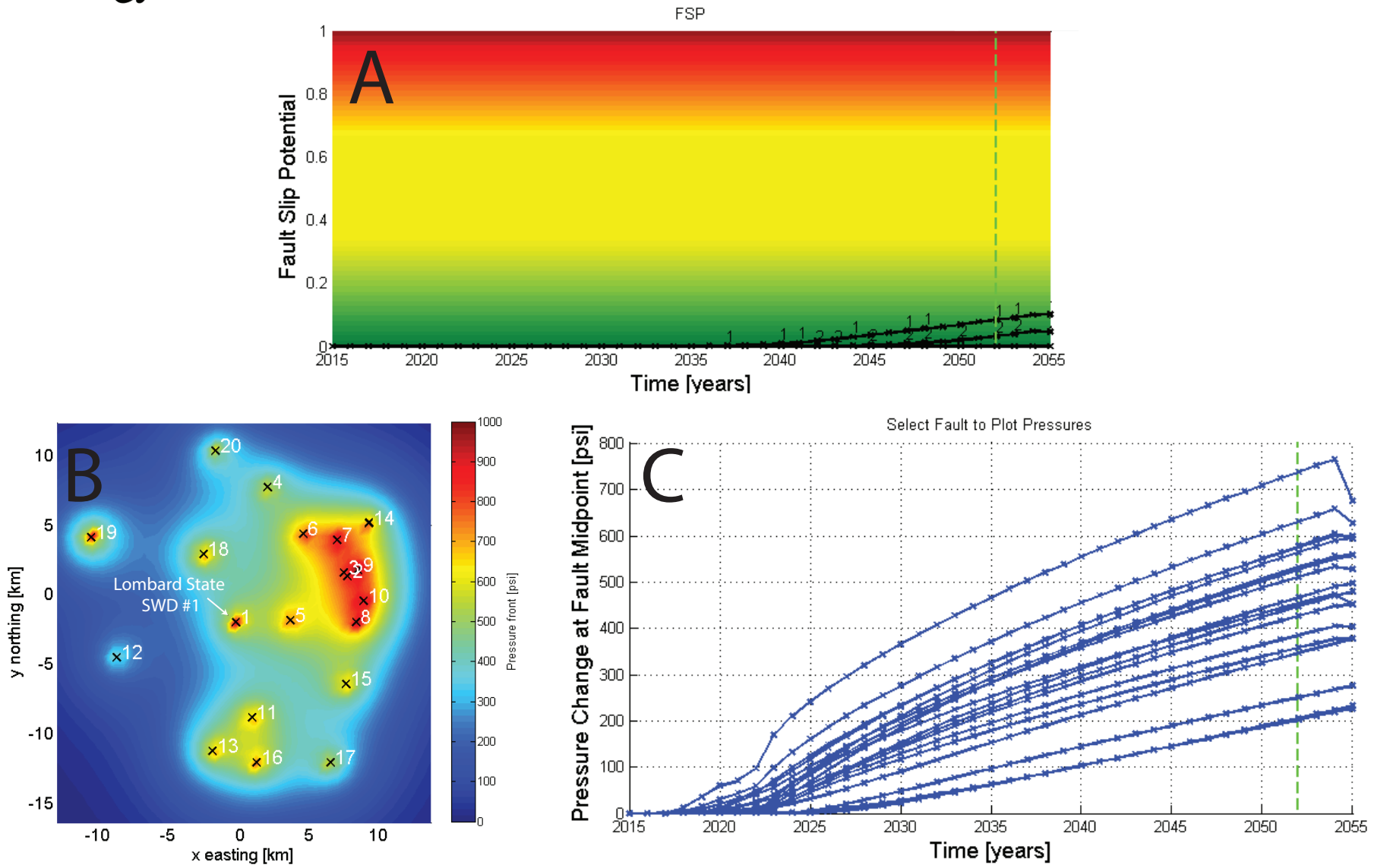


Figure 10. Summary of model-simulation results showing no anticipated potential for fault slip in response to the proposed injection scenario (panel A). Despite the density of injection wells northeast of the proposed Lombard SWD (panel B), faults in the area are oriented such that they are not at elevated risk for injection-induced slip. As shown in panel C, faults segments 1 and 2 show the greatest fault slip potential, however these conditions at the termination of the 30-year injection period are still well below the required pressure increase to induce fault slip as determined by the FSP model.

APPENDIX A

INFORMATION ON OIL AND GAS WELLS WITHIN ONE MILE OF THE PROPOSED LOMBARD SWD #1

Figure A-1	All wells located within a two-mile radius of the Proposed Lombard SWD #1
Figure A-2:	All wells located within a one-mile radius of the proposed Lombard SWD #1
Table A-1:	All wells located within 2-miles of the proposed Lombard SWD #1
Table A-2:	Wells located within one mile of the proposed Lombard SWD #1
Well Files:	NMOCD documents for plugged ETZ Federal #1

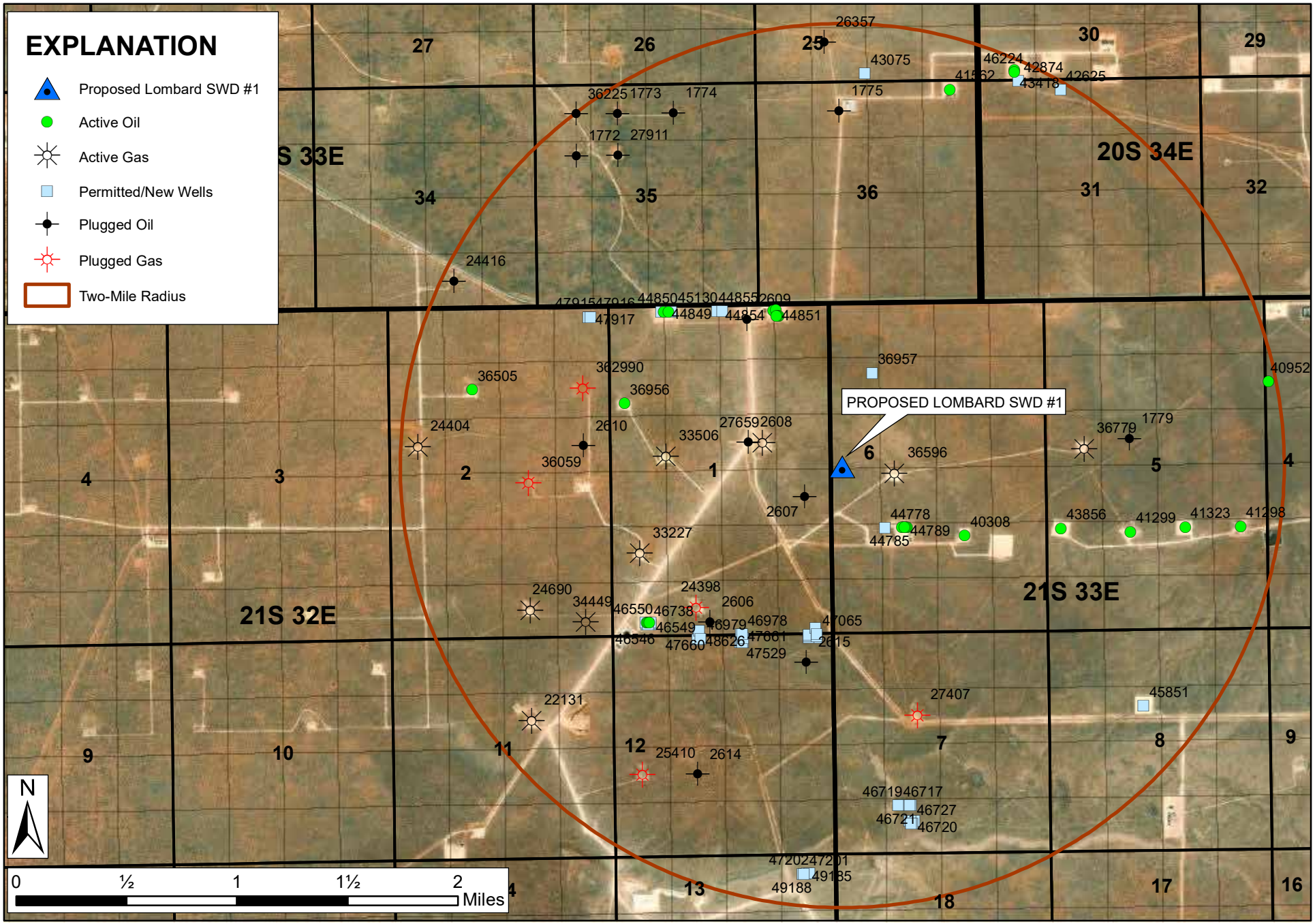


Figure A1. Active oil and gas wells within two miles of the proposed Lombard SWD #1

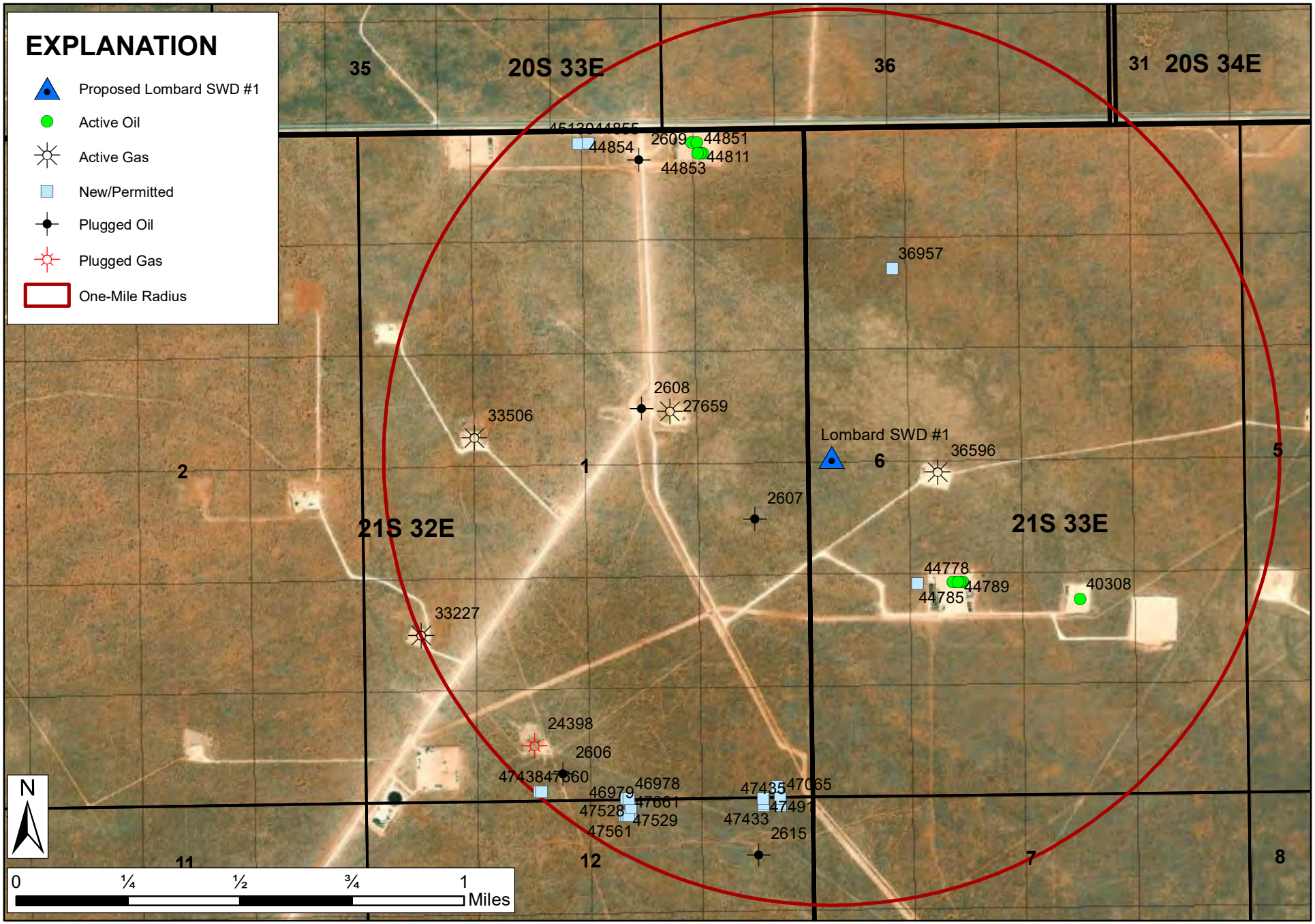


Figure A2. All wells within one mile of the proposed Lombard SWD #1

TABLE A-1. ALL WELLS LOCATED WITHIN 2 MILES OF THE PROPOSED LOMBARD SWD #1

API	LEASE NAME	Sec	T	R	OPERATOR	SPUD	DIR	POOL	TYPE	STATUS	LAT (NAD83)	LONG (NAD83)	TD	Distance (TO SWD)
30-025-02607	SHEPHERD FEDERAL	1	21S	32E	CULBERTSON & IRWIN	1942	-	No Data	Oil	Plugged	32.509724	-103.621956	3496	0.22
30-025-36596	STRAW HAT 6 STATE #001	6	21S	33E	EOG RESOURCES INC	2004	V	MORROW	Gas	Active	32.511143	-103.614952	14504	0.24
30-025-44778	TOQUE STATE COM #202H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.50756	-103.615774	0	0.34
30-025-27659	MINIS FEDERAL COM #001	1	21S	32E	CHISHOLM ENERGY	9999	V	MORROW	Gas	Active	32.513233	-103.62516	14000	0.38
30-025-44785	TOQUE STATE COM #502H	6	21S	33E	ASCENT ENERGY, LLC.	2019	D	BONE SPRINGS	Oil	Active	32.507592	-103.614428	10890	0.39
30-025-44788	TOQUE STATE COM #602H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	Active	32.507591	-103.614331	11653	0.39
30-025-44148	TOQUE STATE COM #501H	7	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	Active	32.50759	-103.614136	10796	0.40
30-025-44787	TOQUE STATE COM #601H	6	21S	33E	ASCENT ENERGY, LLC.	-	D	BONE SPRINGS	Oil	Active	32.50759	-103.614039	11649	0.40
30-025-44789	TOQUE STATE COM #701H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	Active	32.50759	-103.614234	11738	0.40
30-025-02608	ETZ FEDERAL	1	21S	32E	PHILLIPS PETRO.	1956	-	No Data	Oil	Plugged	32.513348	-103.626236	16396	0.44
30-025-36957	IMPERIAL 6 FEDERAL #001	6	21S	33E	CORKRAN ENERGY LP	-	V	No Data	Oil	New	32.517765	-103.616592	0	0.44
30-025-40308	ADAMS STATE COM #003H	6	21S	33E	CIMAREX ENERGY CO.	2011	H	BONE SPRINGS	Oil	Active	32.506985	-103.609566	11682	0.64
30-025-44851	MINIS 1 FEDERAL COM 2BS #010H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRINGS	Oil	Active	32.521579	-103.623968	11626	0.74
30-025-44853	MINIS 1 FEDERAL COM WCA #016H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	Active	32.521579	-103.623774	11593	0.74
30-025-47110	BIG BUCKS FEDERAL COM #701H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50104	-103.62125	0	0.74
30-025-44811	MINIS 1 FEDERAL COM 3BS #006H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRINGS	Oil	Active	32.512579	-103.623871	11530	0.74
30-025-44856	MINIS 1 FEDERAL COM 3BS #007H	1	21S	32E	CHISHOLM ENERGY	2018	H	BONE SPRINGS	Oil	Active	32.521936	-103.624001	11505	0.76
30-025-44857	MINIS 1 FEDERAL COM 2BS #011H	1	21S	32E	CHISHOLM ENERGY	2018	H	BONE SPRINGS	Oil	Active	32.521936	-103.624195	10720	0.77
30-025-47065	BIG BUCKS FEDERAL COM #601H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50063	-103.62113	0	0.77
30-025-47434	BIG BUCKS FEDERAL COM #401H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50056	-103.62177	0	0.78
30-025-47435	BIG BUCKS FEDERAL COM #502H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50049	-103.62113	0	0.78
30-025-47491	BIG BUCKS FEDERAL COM #702H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50063	-103.62178	0	0.78
30-025-02609	SHEPERD FEDERAL	1	21S	32E	SOUTHERN CALIFORNIA	1953	-	No Data	Oil	Plugged	32.521401	-103.626221	3508	0.79
30-025-47064	BIG BUCKS FEDERAL COM #501H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50042	-103.62113	0	0.79
30-025-47432	BIG BUCKS FEDERAL COM #301H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50042	-103.62177	0	0.79
30-025-47433	BIG BUCKS FEDERAL COM #302H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50049	-103.62177	0	0.79
30-025-33506	MINIS 1 FEDERAL COM #003	1	21S	32E	CHISHOLM ENERGY	1997	V	MORROW	Gas	Active	32.512459	-103.632645	14550	0.80
30-025-44854	MINIS 1 FEDERAL COM WCA #014H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521941	-103.628348	0	0.89
30-025-44855	MINIS 1 FEDERAL COM WCA #015H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.52194	-103.628153	0	0.89
30-025-46978	BIG STAG FEDERAL COM #503H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5007	-103.62693	0	0.89
30-025-47066	BIG STAG FEDERAL COM #504H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5007	-103.62702	0	0.89
30-025-02615	ETZ #1	12	21S	32E	GETTY OIL CO	-	-	No Data	Oil	Plugged	32.498836	-103.621979	3517	0.90

TABLE A-1 (CONTINUED)

API	LEASE NAME	Sec	T	R	OPERATOR	SPUD	DIR	POOL	TYPE	STATUS	LAT (NAD83)	LONG (NAD83)	TD	Distance (TO SWD)
30-025-45130	MINIS 1 FEDERAL COM WCA #013H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521941	-103.628543	0	0.90
30-025-46979	BIG STAG FEDERAL COM #552H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50041	-103.62685	0	0.90
30-025-24398	FEDERAL ONE #1	1	21S	32E	KIMBALL PRODUCTION CO	1973	-	MORROW	Gas	Plugged	32.502457	-103.630485	14495	0.92
30-025-47528	BIG STAG FEDERAL COM #303H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50015	-103.62685	0	0.92
30-025-47529	BIG STAG FEDERAL COM #704H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50015	-103.62701	0	0.92
30-025-47561	BIG STAG FEDERAL COM #304H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50015	-103.62709	0	0.92
30-025-47661	BIG STAG FEDERAL COM #402H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50015	-103.62693	0	0.92
30-025-02606	SHEPARD B FEDERAL	1	21S	32E	CULBERTSON & IRWIN	-	-	No Data	Oil	Plugged	32.501549	-103.629417	3445	0.93
30-025-47438	BIG BULL FEDERAL COM #602H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50095	-103.63033	0	0.99
30-025-47660	BIG BULL FEDERAL COM #504H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50095	-103.63025	0	0.99
30-025-33227	MINIS 1 FEDERAL #002	1	21S	32E	CHISHOLM ENERGY	1995	V	MORROW	Gas	Active	32.506081	-103.634766	14520	1.00
30-025-47758	BIG BULL FEDERAL COM #305H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50041	-103.63017	0	1.01
30-025-48626	BIG BULL FEDERAL COM #705H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50041	-103.63017	0	1.01
30-025-47436	BIG BULL FEDERAL COM #306H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50041	-103.63041	0	1.02
30-025-47437	BIG BULL FEDERAL COM #403H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50041	-103.63025	0	1.02
30-025-47560	BIG BULL FEDERAL COM #706H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50041	-103.63033	0	1.02
30-025-36956	MINIS 1 FEDERAL #004	1	21S	32E	COG OPERATING LLC	2004	V	DELAWARE	Oil	Active	32.515961	-103.635818	8780	1.03
30-025-43856	BECKNELL STATE COM #004H	5	21S	33E	COG OPERATING LLC	2017	H	BONE SPRING	Oil	Active	32.507368	-103.60212	11683	1.03
30-025-44850	MINIS 1 FEDERAL COM 2BS #009H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRING	Oil	New	32.521944	-103.632111	0	1.04
30-025-44848	MINIS 1 FEDERAL COM 3BS #005H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRING	Oil	Active	32.521944	-103.632305	0	1.05
30-025-44849	MINIS 1 FEDERAL COM 2BS #008H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRING	Oil	New	32.521944	-103.6325	0	1.06
30-025-44847	MINIS 1 FEDERAL COM 3BS #004H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRING	Oil	Active	32.521944	-103.632695	0	1.07
30-025-44852	MINIS 1 FEDERAL COM WCA #012H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521944	-103.632889	0	1.07
30-025-36779	SOMBRERO 5 STATE #001	5	21S	33E	EOG RESOURCES INC	2005	V	MORROW	Gas	Active	32.512585	-103.600227	14340	1.10
30-025-46549	BIG MOOSE FEDERAL COM #707H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.501519	-103.634008	0	1.12
30-025-46498	BIG MOOSE FEDERAL COM #505H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	Active	32.501519	-103.634106	10672	1.13
30-025-46544	BIG MOOSE FEDERAL COM #204H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.501395	-103.634008	0	1.13
30-025-46545	BIG MOOSE FEDERAL COM #307H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.501395	-103.634106	0	1.13
30-025-46547	BIG MOOSE FEDERAL COM #506H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	Active	32.501518	-103.6343	10753	1.13
30-025-46548	BIG MOOSE FEDERAL COM #604H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	Active	32.501518	-103.634203	11544	1.13
30-025-46546	BIG MOOSE FEDERAL COM #404H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.501394	-103.6343	0	1.14
30-025-46550	BIG MOOSE FEDERAL COM #708H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.501518	-103.634398	0	1.14

TABLE A-1 (CONTINUED)

API	LEASE NAME	Sec	T	R	OPERATOR	SPUD	DIR	POOL	TYPE	STATUS	LAT (NAD83)	LONG (NAD83)	TD	Distance (TO SWD)
30-025-46738	BIG MOOSE FEDERAL COM #308H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.501395	-103.634203	0	1.14
30-025-02610	BOESCHE #1	2	21S	32E	CULBERTSON & IRWIN	1937	-	No Data	Oil	Plugged	32.513241	-103.639038	3500	1.17
30-025-27407	EAST HAT MESA UNIT #001	7	21S	33E	PENROC OIL CORP	1981	V	MORROW	Gas	Plugged	32.495197	-103.613419	14529	1.18
30-025-36290	MINIS 2 FEDERAL COM #004	2	21S	32E	COG OPERATING LLC	2003	V	MORROW	Gas	Plugged	32.516972	-103.639031	14400	1.22
30-025-01779	STATE	5	21S	33E	FELMONT OIL CORP	1942	-	No Data	Oil	Plugged	32.513229	-103.59671	3717	1.31
30-025-47916	COUGAR FEDERAL COM #701H	2	21S	32E	COG OPERATING LLC	-	H	WOLFCAMP	Oil	New	32.52166	-103.63836	0	1.32
30-025-47915	COUGAR FEDERAL COM #601H	2	21S	32E	COG OPERATING LLC	-	H	BONE SPRING	Oil	New	32.52166	-103.63855	0	1.33
30-025-47917	COUGAR FEDERAL COM #901H	2	21S	32E	COG OPERATING LLC	-	H	WOLFCAMP	Oil	New	32.52166	-103.63845	0	1.33
30-025-41299	BECKNELL STATE COM #003H	5	21S	33E	COG OPERATING LLC	2013	H	BONE SPRING	Oil	Active	32.50708	-103.596718	11648	1.34
30-025-34449	MINIS 2 FEDERAL #001	2	21S	32E	COG OPERATING LLC	1998	V	DELAWARE	Gas	Active	32.501621	-103.639053	14443	1.36
30-025-36059	MINIS 2 FEDERAL COM #002	2	21S	32E	COG OPERATING LLC	2002	V	MORROW	Gas	Plugged	32.510799	-103.643325	14404	1.42
30-025-02614	ALVA NYE ETZ #1	12	21S	32E	JEFFERS OIL CO	1935	-	No Data	Oil	Plugged	32.491581	-103.630501	3581	1.54
30-025-24690	HAT MESA A #001	2	21S	32E	CONOCOPHILLIPS COMPANY	9999	V	MORROW	Gas	Active	32.502441	-103.643333	14500	1.56
30-025-46717	SOMBRERO FEDERAL COM #202H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.489332	-103.615028	0	1.56
30-025-46719	SOMBRERO FEDERAL COM #302H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.489331	-103.614931	0	1.56
30-025-46721	SOMBRERO FEDERAL COM #501H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.489331	-103.61412	0	1.57
30-025-46722	SOMBRERO FEDERAL COM #601H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.489331	-103.614023	0	1.57
30-025-41323	BECKNELL STATE COM #002H	5	21S	33E	COG OPERATING LLC	2014	H	BONE SPRING	Oil	Active	32.507355	-103.592468	11634	1.58
30-025-01775	MAGNOLIA STATE	36	20S	33E	RESLER & SHELDON	1951	-	No Data	Oil	Plugged	32.535007	-103.618888	3509	1.61
30-025-46716	SOMBRERO FEDERAL COM #201H	7	21S	33E	CENTENNIAL RESOURCE	-	H	BONE SPRING	Oil	New	32.488092	-103.615028	0	1.64
30-025-46718	SOMBRERO FEDERAL COM #301H	7	21S	33E	CENTENNIAL RESOURCE	-	H	BONE SPRING	Oil	New	32.488092	-103.614834	0	1.64
30-025-46723	SOMBRERO FEDERAL COM #702H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.488092	-103.614931	0	1.64
30-025-46720	SOMBRERO FEDERAL COM #401H	7	21S	33E	CENTENNIAL RESOURCE	-	H	BONE SPRING	Oil	New	32.488092	-103.613936	0	1.65
30-025-46727	SOMBRERO FEDERAL COM #703H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.488092	-103.614023	0	1.65
30-025-25410	FEDERAL HM 12 #1	12	21S	32E	BELCO PETROLEUM	1976	-	MORROW	Gas	Plugged	32.491573	-103.634781	14370	1.66
30-025-36505	PUBCO FEDERAL COM #002	2	21S	32E	COG OPERATING LLC	2003	V	MORROW	Oil	Active	32.516979	-103.647606	14385	1.71
30-025-27911	CALEDO FEDERAL #1	35	20S	33E	BETTIS BOYLE & STOV	1982	-	No Data	Oil	Plugged	32.532299	-103.636063	5255	1.73
30-025-45851	DELICIOUS LIME STATE COM #601H	8	21S	33E	COG OPERATING LLC	-	H	BONE SPRING	Oil	New	32.495658	-103.595893	0	1.74
30-025-01774	SHELL FEDERAL	35	20S	33E	HELBING & PODPECHAN	1980	-	No Data	Oil	Plugged	32.535019	-103.631744	310	1.77
30-025-41562	TANGO BTP STATE COM #004H	36	20S	33E	EOG RESOURCES INC	2013	H	BONE SPRING	Oil	Active	32.53627	-103.610291	11342	1.77
30-025-43075	BIG WYATT 25 FEDERAL #002H	25	20S	33E	DIAMONDBACK RESOURCES LLC	-	H	BONE SPRING	Oil	New	32.537406	-103.616842	0	1.78

TABLE A-1 (CONTINUED)

API	LEASE NAME	Sec	T	R	OPERATOR	SPUD	DIR	POOL	TYPE	STATUS	LAT (NAD83)	LONG (NAD83)	TD	Distance (TO SWD)
30-025-22131	HAT MESA COM #001	11	21S	32E	CONOCOPHILLIPS COMPANY	9999	V	MORROW	Gas	Active	32.495186	-103.643333	15721	1.82
30-025-41298	BECKNELL STATE COM #001H	5	21S	33E	COG OPERATING LLC	2014	H	BONE SPRING	Oil	Active	32.507351	-103.588188	11623	1.82
30-025-01772	C&E FEDERAL	35	20S	33E	FRED M. ALLISON	1960	-	No Data	Oil	Plugged	32.532303	-103.639282	3428	1.85
30-025-47201	MARGARITA 13 FEDERAL COM #007H	13	21S	32E	ADV. ENERGY PART. HAT MESA, LLC	-	H	BONE SPRING	Oil	New	32.48491	-103.62238	0	1.85
30-025-47202	MARGARITA 13 FEDERAL COM #008H	13	21S	32E	ADV. ENERGY PART. HAT MESA, LLC	-	H	BONE SPRING	Oil	New	32.48491	-103.62195	0	1.85
30-025-49185	MARGARITA 13 FEDERAL COM #012H	13	21S	32E	ADV. ENERGY PART. HAT MESA, LLC	-	H	BONE SPRING	Oil	New	32.48491	-103.62216	0	1.85
30-025-49498	MARGARITA 13 FEDERAL COM #024H	13	21S	32E	ADV. ENERGY PART. HAT MESA, LLC	-	H	WOLFCAMP	Oil	New	32.48491	-103.62227	0	1.85
30-025-49188	MARGARITA 13 FEDERAL COM #016H	13	21S	32E	ADV. ENERGY PART. HAT MESA, LLC	-	H	BONE SPRING	Oil	New	32.48491	-103.62248	0	1.86
30-025-01773	SHELL	35	20S	33E	EL CINCO PROD.	1960	-	No Data	Oil	Plugged	32.535023	-103.63607	3423	1.89
30-025-24404	PUBCO FEDERAL COM #001	2	21S	32E	COG OPERATING LLC	9999	V	MORROW/STRAWN	Gas	Active	32.513252	-103.651894	14407	1.92
30-025-26357	TREAT LI FEDERAL #1	25	20S	33E	YATES PETROLEUM CO	1979	-	No Data	Oil	Plugged	32.539547	-103.619972	3616	1.92
30-025-42874	TOPAZ 30 FEDERAL COM #005H	31	20S	34E	MARATHON OIL PERMIAN LLC	-	H	BONE SPRING	Oil	New	32.536818	-103.604962	0	1.92
30-025-46224	SEVERUS 31 5 FEDERAL COM #012H	30	20S	34E	XTO ENERGY, INC	-	H	BONE SPRING	Oil	Active	32.537381	-103.605271	10667	1.94
30-025-24416	FEDERAL 34 #1	34	20S	33E	KIMBALL PRODUCTION CO	1973		YATES	Oil	Plugged	32.524136	-103.648903	3500	1.95
30-025-43418	SEVERUS 31 FEDERAL COM #004H	30	20S	34E	XTO ENERGY, INC	2018	H	BONE SPRING	Oil	Active	32.537518	-103.605271	11360	1.95
30-025-40952	CORAZON STATE UNIT #010H	4	21S	33E	COG OPERATING LLC	2014	H	BONE SPRING	Oil	Active	32.516857	-103.585876	11523	1.97
30-025-42625	TOPAZ 30 FEDERAL COM #002H	31	20S	34E	MARATHON OIL PERMIAN LLC	-	H	BONE SPRING	Oil	New	32.536172	-103.601694	0	1.97
30-025-36225	HALFWAY 35 FEDERAL #001	35	20S	33E	MARSHALL & WINSTON INC	2003	No Data	No Data	Oil	Plugged	32.53503	-103.63928	99	2.00

TABLE A-2. ALL WELLS LOCATED WITHIN 1 MILE OF THE PROPOSED LOMBARD SWD #1

API	LEASE NAME	Sec	T	R	OPERATOR	SPUD	DIR	POOL	TYPE	STATUS	LAT (NAD83)	LONG (NAD83)	TD	Distance (TO SWD)
30-025-02607	SHEPHERD FEDERAL	1	21S	32E	CULBERTSON & IRWIN	1942	-	No Data	Oil	Plugged	32.509724	-103.621956	3496	0.22
30-025-36596	STRAW HAT 6 STATE #001	6	21S	33E	EOG RESOURCES INC	2004	V	MORROW	Gas	Active	32.511143	-103.614952	14504	0.24
30-025-44778	TOQUE STATE COM #202H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.50756	-103.615774	0	0.34
30-025-27659	MINIS FEDERAL COM #001	1	21S	32E	CHISHOLM ENERGY	9999	V	MORROW	Gas	Active	32.513233	-103.62516	14000	0.38
30-025-44785	TOQUE STATE COM #502H	6	21S	33E	ASCENT ENERGY, LLC.	2019	D	BONE SPRINGS	Oil	Active	32.507592	-103.614428	10890	0.39
30-025-44788	TOQUE STATE COM #602H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	Active	32.507591	-103.614331	11653	0.39
30-025-44148	TOQUE STATE COM #501H	7	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	Active	32.50759	-103.614136	10796	0.40
30-025-44787	TOQUE STATE COM #601H	6	21S	33E	ASCENT ENERGY, LLC.	-	D	BONE SPRINGS	Oil	Active	32.50759	-103.614039	11649	0.40
30-025-44789	TOQUE STATE COM #701H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	Active	32.50759	-103.614234	11738	0.40
30-025-02608	ETZ FEDERAL	1	21S	32E	PHILLIPS PETRO.	1956	-	No Data	Oil	Plugged	32.513348	-103.626236	16396	0.44
30-025-36957	IMPERIAL 6 FEDERAL #001	6	21S	33E	CORKRAN ENERGY LP	-	V	No Data	Oil	New	32.517765	-103.616592	0	0.44
30-025-40308	ADAMS STATE COM #003H	6	21S	33E	CIMAREX ENERGY CO.	2011	H	BONE SPRINGS	Oil	Active	32.506985	-103.609566	11682	0.64
30-025-44851	MINIS 1 FEDERAL COM 2BS #010H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRINGS	Oil	Active	32.521579	-103.623968	11626	0.74
30-025-44853	MINIS 1 FEDERAL COM WCA #016H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	Active	32.521579	-103.623774	11593	0.74
30-025-47110	BIG BUCKS FEDERAL COM #701H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50104	-103.62125	0	0.74
30-025-44811	MINIS 1 FEDERAL COM 3BS #006H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRINGS	Oil	Active	32.512579	-103.623871	11530	0.74
30-025-44856	MINIS 1 FEDERAL COM 3BS #007H	1	21S	32E	CHISHOLM ENERGY	2018	H	BONE SPRINGS	Oil	Active	32.521936	-103.624001	11505	0.76
30-025-44857	MINIS 1 FEDERAL COM 2BS #011H	1	21S	32E	CHISHOLM ENERGY	2018	H	BONE SPRINGS	Oil	Active	32.521936	-103.624195	10720	0.77
30-025-47065	BIG BUCKS FEDERAL COM #601H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50063	-103.62113	0	0.77
30-025-47434	BIG BUCKS FEDERAL COM #401H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50056	-103.62177	0	0.78
30-025-47435	BIG BUCKS FEDERAL COM #502H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50049	-103.62113	0	0.78
30-025-47491	BIG BUCKS FEDERAL COM #702H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50063	-103.62178	0	0.78
30-025-02609	SHEPERD FEDERAL	1	21S	32E	SOUTHERN CALIFORNIA	1953	-	No Data	Oil	Plugged	32.521401	-103.626221	3508	0.79
30-025-47064	BIG BUCKS FEDERAL COM #501H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50042	-103.62113	0	0.79
30-025-47432	BIG BUCKS FEDERAL COM #301H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50042	-103.62177	0	0.79
30-025-47433	BIG BUCKS FEDERAL COM #302H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50049	-103.62177	0	0.79
30-025-33506	MINIS 1 FEDERAL COM #003	1	21S	32E	CHISHOLM ENERGY	1997	V	MORROW	Gas	Active	32.512459	-103.632645	14550	0.80
30-025-44854	MINIS 1 FEDERAL COM WCA #014H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521941	-103.628348	0	0.89
30-025-44855	MINIS 1 FEDERAL COM WCA #015H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.52194	-103.628153	0	0.89
30-025-46978	BIG STAG FEDERAL COM #503H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5007	-103.62693	0	0.89
30-025-47066	BIG STAG FEDERAL COM #504H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5007	-103.62702	0	0.89
30-025-02615	ETZ #1	12	21S	32E	GETTY OIL CO	-	-	No Data	Oil	Plugged	32.498836	-103.621979	3517	0.90

TABLE A-2 (CONTINUED)

API	LEASE NAME	Sec	T	R	OPERATOR	SPUD	DIR	POOL	TYPE	STATUS	LAT (NAD83)	LONG (NAD83)	TD	Distance (TO SWD)
30-025-45130	MINIS 1 FEDERAL COM WCA #013H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521941	-103.628543	0	0.90
30-025-46979	BIG STAG FEDERAL COM #552H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50041	-103.62685	0	0.90
30-025-24398	FEDERAL ONE #1	1	21S	32E	KIMBALL PRODUCTION CO	1973	-	MORROW	Gas	Plugged	32.502457	-103.630485	14495	0.92
30-025-47528	BIG STAG FEDERAL COM #303H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50015	-103.62685	0	0.92
30-025-47529	BIG STAG FEDERAL COM #704H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50015	-103.62701	0	0.92
30-025-47561	BIG STAG FEDERAL COM #304H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50015	-103.62709	0	0.92
30-025-47661	BIG STAG FEDERAL COM #402H	12	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50015	-103.62693	0	0.92
30-025-02606	SHEPARD B FEDERAL	1	21S	32E	CULBERTSON & IRWIN	-	-	No Data	Oil	Plugged	32.501549	-103.629417	3445	0.93
30-025-47438	BIG BULL FEDERAL COM #602H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50095	-103.63033	0	0.99
30-025-47660	BIG BULL FEDERAL COM #504H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.50095	-103.63025	0	0.99
30-025-33227	MINIS 1 FEDERAL #002	1	21S	32E	CHISHOLM ENERGY	1995	V	MORROW	Gas	Active	32.506081	-103.634766	14520	1.00

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 063466
LEASE OR PERMIT TO PROSPECT Ets

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Phillips Petroleum Company Address Box 2105, Hobbs, New Mexico
Lessor or Tract Ets Field Wildcat State New Mexico
Well No. 1 Sec. 1 T. 21S R. 32E Meridian -- County Lea
Location 4620 ft. [N.] of S Line and 1980 ft. [W.] of E Line of Section 1 Elevation 3747
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed [signature]

Date July 10, 1956 Title District Chief Clerk

The summary on this page is for the condition of the well at above date.

Commenced drilling 10-25-, 1955 Finished drilling 6-2-, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to ---- No. 4, from ---- to ----
No. 2, from ---- to ---- No. 5, from ---- to ----
No. 3, from ---- to ---- No. 6, from ---- to ----

IMPORTANT WATER SANDS

No. 1, from None to ---- No. 3, from ---- to ----
No. 2, from ---- to ---- No. 4, from ---- to ----

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
20"	94#	8rd	J-55	255	Larkin	-	-	-	Surface string
13-3/8	68, 61 & 54.5, 48#	8rd	JS,H-40	3240	HOWCO	-	-	-	Salt string
9-5/8	43.5, 40, & 36#	8rd	S95, J55, & N80	8854	HOWCO	7890	-	-	Intermediate string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	255	350 Reg	B-J	NR	Cmt circ.
13-3/8	3240	3491 CF 20% Diacel, fol w/150 sx reg	Halliburton	NR	Cmt circ.
9-5/8	8854	400 Reg	Halliburton	NR	Plug to 8766'.

FOLD | MARK

PLUGS AND ADAPTERS

Heaving plug—Material - Length ---- Depth set ----
Adapters—Material - Size ----

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Not shot.						

TOOLS USED

Rotary tools were used from 255 feet to 16396 feet, and from ---- feet to ---- feet
Cable tools were used from 0 feet to 255 feet, and from ---- feet to ---- feet

DATES

No production, 19-- Put to producing No production, 19--

The production for the first 24 hours was - barrels of fluid of which -% was oil; -% emulsion; -% water; and -% sediment. Gravity, °Bé. -

If gas well, cu. ft. per 24 hours - Gallons gasoline per 1,000 cu. ft. of gas -

blanket & 50' mud slightly oil cut, no gas. Max flow press 1250#, min 1230#. 15-min SI BHP 1495#. Hyd press 4935#.

2-18-56: Took DST #2, Wolfcamp formation, 12210-248'. 3-1/2" DP, 5/8" BC, 1" TC. Open 60 min, weak blow air 28 minutes & died. Rec 2600' wtr blanket & 20' mud, no shows. Initial & final flow press 1650#. 15-min SI BHP 1760#. Hyd 7425#.

3- 6-56: Took DST #3, base Wolfcamp, 13040-126'. Tool open 3-1/2 hrs, ~~air immedia~~ Rec 4600' wtr blanket heavily gas cut & 300' heavily gas cut DM. Med to strong blow air throughout test. IFFP 1890#. 15-min SI BHP 3375#. Hyd 7700#.

5-18-56: Took DST #4, Devonian, 15559-15710'. Open 105 minutes, slight blow air throughout test. Rec 6500' WB, no shows, 600' very slightly gas cut WB, 400' drlg mud, no shows. IFP 2905#, FFP 3130#. 15-min SI BHP 6065#. Hyd press in 9660#, out 9605#.

5-22-56: Took DST #5, Devonian, 15710-853'. Open 60 min, blow of air throughout test. Rec 7300' WB, 600' DM & 1000' salty sulphur wtr, no shows. IFP 3760#, FFP 4340#. 15-min SI BHP 5760#. Hyd press in 9825#, out 9770#.

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

10-25-55 Compl RU cable tools & spudded well.

11- 2-55 Ran 20" surface csg set at 255'. RD cable tools.

11- 7-55 Finished RU rotary rig & resumed drlg.

11-22-55 Ran 13-3/8" csg string set at 3240'.

1- 5-56 Ran 9-5/8" csg string set at 8854'.

2- 2-56 Took DST #1 in Bone Springs formation, very slight show oil.

2-18-56 DST #2, Wolfcamp, no shows.

3- 6-56 DST #3, base of Wolfcamp, show of gas.

5-18-56 DST #4, Devonian, very slight show gas.

5-22-56 DST #5, Devonian, no shows.

6- 2-56 POOH at 16396' to change bits, lost 3-5/8" bit, 18 DC's, reamer, stabilizer, 3 jts 3-1/2" DP, & straight hole instrument, overall length 561'.
Fished 28 days, unable to recover drlg tools.

6-29-56 Ran velocity survey.

6-30-56 Started plugging operations.

7- 3-56 Shot 9-5/8" csg off at 7890', pulled.

7- 5-56 Finished plugging operations. Well plugged & abandoned.

Budget Bureau 42-R358.5.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Las Cruces
Lease No. 063466
Unit Ets

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 21, 1955

Well No. 1 is located 4620 ft. from {N/S} line and 1980 ft. from {E/W} line of sec. 1

Center of Lot 10, Sec. 1 (¼ Sec. and Sec. No.) 21-S (Twp.) 32-E (Range) (Meridian)

Wildcat (Field) Lea (County) New Mexico (State)

The elevation of the derrick floor above sea level is * ft. *To be furnished at later date.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ellenberger formation, 16,000 feet, with following casing program:

1. 20-inch OD casing set into Redbeds 50 feet at approximately 650 feet, and cemented to surface.
2. 13-3/8-inch OD casing set below salt beds 100 feet at approximately 3150 feet and cemented to surface.
3. 9-5/8-inch OD casing set at approximately 7500 feet and cemented back to approximately 7000 feet.
4. 7-inch or 5½-inch OD casing set at total depth and cemented back to protect the producing zones encountered.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Phillips Petroleum Company

Address 3rd Floor, Permian Bldg.

Midland, Texas

By Laurence E. Hecht
Laurence E. Hecht

Title Division Chief Clerk

R. 33 E.

T. 20 S.

33 | 34 | 35 | 36

35
So. Calif. Pet. 1/2
E. A. Culbertson 1/4
W. W. Irwin 1/4
TRACT (8)
New Mexico 0890-A

36
Continental
TRACT (19)
State - E-8669

Skelly
TRACT (5)

Brown & Wheeler
TRACT (4)
Los Cruces 069493

Ewell N. Muse, Jr.
TRACT (7)
New Mexico 0732

So. Calif. Pet. 1/2
Culbertson 1/4
Irwin 1/4
TRACT (2)
Los Cruces 063467

Ewell N. Muse, Jr.
TRACT (13)
New Mexico 01294

Los Cruces 070042

So. Calif. Pet. 1/2
E. A. Culbertson 1/4
W. W. Irwin 1/4
TRACT (1)

1980'
4620'
Los Cruces 063466

Lucy R. Muse
TRACT (14)
New Mexico 02388

Phillips
TRACT (15)
State E-1933

Skelly
TRACT (18)

State E-8101

Phillips
TRACT (15)
State E-1933

Lucy R. Muse
TRACT (3)
Los Cruces 063664

Anderson-Prichard
TRACT (11)
New Mexico 01162

Phillips 1/2
Anderson-Prichard 1/2
TRACT (10)
New Mexico 01070

Phillips 1/2
Anderson-Prichard 1/2
TRACT (10)

Anderson-Prichard
TRACT (12)
New Mexico 01163

Ohio
TRACT (17)

Skelly
TRACT (5)
Los Cruces 070042

Phillips 1/2
Anderson-Prichard 1/2
TRACT (10)
New Mexico 01070

Anderson-Prichard
TRACT (11)
New Mexico 01162

Anderson-Prichard
TRACT (11)
New Mexico 01070

New Mexico 01162

State E-2371

T. 21 S.

Skelly
TRACT (5)
Los Cruces 070042

Phillips
TRACT (9)

14
(O. M. Mills)
New Mexico 01046

Skelly
TRACT (5)
Los Cruces 070042

Phillips
TRACT (9)

13
(O. M. Mills)
New Mexico 01046

Skelly
TRACT (5)
Los Cruces 070042

Skelly
TRACT (5)

Phillips
TRACT (16)

State E-1935

15

So. Calif. Pet. 1/2
E. A. Culbertson 1/4
W. W. Irwin 1/4
TRACT (6)
New Mexico 0672

So. Calif. Petroleum 1/2
E. A. Culbertson 1/4
W. W. Irwin 1/4
TRACT (6)
New Mexico 0672

22 | 23 | 24 | 19

R. 32 E.

R. 33 E.

N

EXHIBIT "A"

PHILLIPS PETROLEUM COMPANY - OPERATOR

ETZ DEEP UNIT

LEA COUNTY, NEW MEXICO

SCALE: 1" = 2000'

Date Submitted _____

FEDERAL LANDS
STATE LANDS
o PROPOSED TEST WELL

APPENDIX B

IDENTIFICATION OF OPERATORS, LESSEES, SURFACE OWNERS, AND OTHER INTERESTED PARTIES WITHIN ONE-HALF MILE OF THE PROPOSED LOMBARD SWD #1; COPIES OF NOTICE LETTERS, PROOF OF DELIVERY, AND AFFIDAVIT OF PUBLICATION OF NEWSPAPER NOTICE

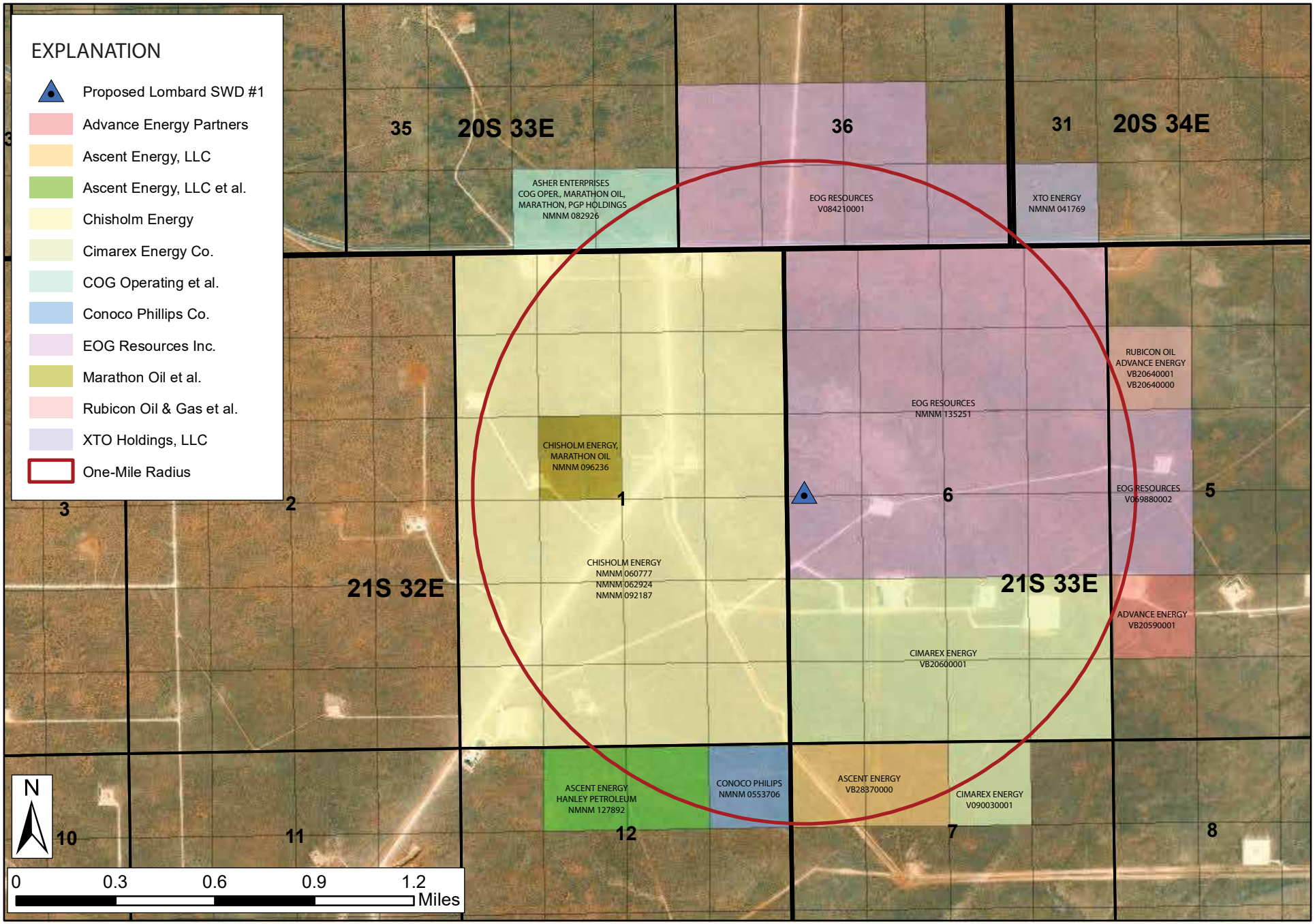


Figure B2. Lessees within one mile of the proposed Lombard SWD #1 well. Surface ownership within one mile of the well lies with the Bureau of Land Management and the State of New Mexico and notices of the application have been issued to each.

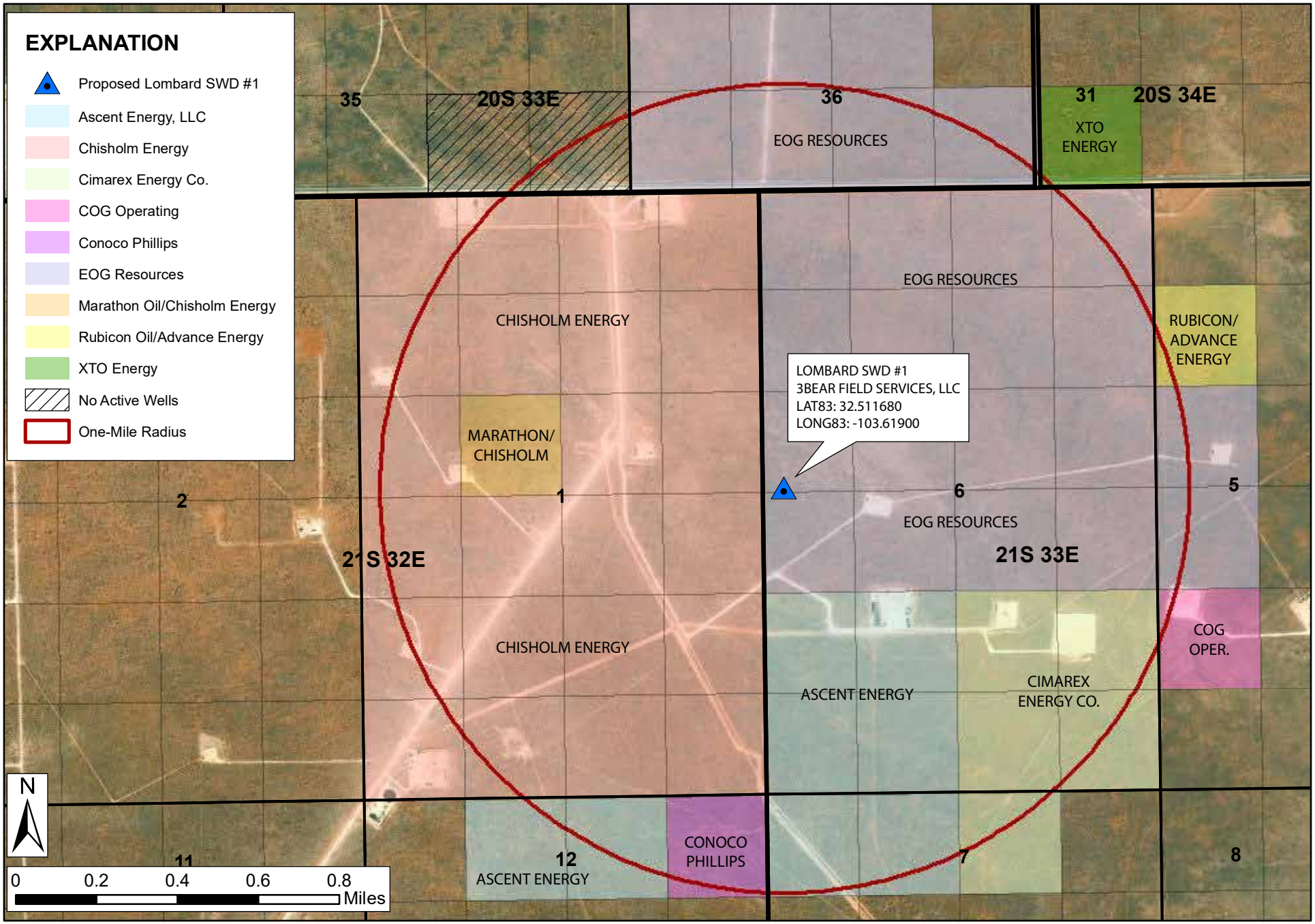


Figure B1. Active oil and gas operators within one mile of the proposed Lombard SWD #1 well.

TABLE B-1. OPERATORS, LESSEES, AND SURFACE OWNERS WITHIN ONE MILE OF PROPOSED LOMBARD SWD #1

S/T/R	QQ UNIT LETTER(S)	OPERATOR	MINERAL LESSEE	MINERAL OWNER	SURFACE OWNER	ADDRESS 1	ADDRESS 2
35/T20S/R33E	O,P	-	Asher Enterprises LTD CO P	-	-	11063-D So Memorial Dr. PMB 525	Artesia NM 88211-0423
	O,P	-	Marathon Oil Permian LLC	-	-	5555 San Felipe St.	Houston, TX 77056-2701
	O,P	-	PGP Holdings I LLC	-	-	104 Townpark Dr. NW	Kennesaw, GA 30144-5508
	O,P	-	COG Operating LLC	-	-	600 W. Illinois Ave.	Midland, TX 79701-4882
	O,P	-	Legacy Reserves Operating LP (Operating Rights)	-	-	303 W. Wall St., Ste. 1800	Midland, TX 79701-5106
	O,P	-	PGP Holdings I LLC (Operating Rights)	-	-	104 Townpark Dr. NW	Kennesaw, GA 30144-5508
	O,P	-	Devon Energy Prod. Co. LP (Operating Rights)	-	-	333 W. Sheridan Ave.	Oklahoma City, OK 73102-5010
	O,P	-	Sundown Energy LP (Operating Rights)	-	-	16400 Dallas Pkwy., Ste. 100	Dallas, TX 75248-2609
	O,P	-	Advance Energy Partners Hat Mesa LLC (Operating Rights)	-	-	11490 Westheimer Rd., Ste. 950	Houston, TX 77077-6841
	O,P	-	Concho Oil & Gas LLC (Operating Rights)	-	-	600 W. Illinois Ave.	Midland, TX 79701-4882
	O,P	-	Highland Texas Energy Co. (Operating Rights)	-	-	7557 Rambler Rd., Ste. 918	Dallas, TX 75231-2306
	O,P	-	COG Operating LLC (Operating Rights)	-	-	600 W. Illinois Ave.	Midland, TX 79701-4882
	O,P	-	Marathon Oil Permian LLC (Operating Rights)	-	-	5555 San Felipe St.	Houston, TX 77056-2701
36/T20S/R33E	J,K,L,M,N,O,P	EOG Resources INC	EOG Resources INC	-	-	5509 Champions Drive	Midland, TX 79706
31/T20S/R34E	M	XTO Energy INC	XTO Energy INC	-	-	6401 Holiday Hill Road Building #5	Midland, TX 79707
01/T21S/R32E	ENTIRE SECTION	Chisholm Energy Operating, LLC	Chisholm Energy Operating, LLC	-	-	801 Cherry Street	Fort Worth, TX 76102
	L11	COG Operating LLC	COG Operating LLC	-	-	600 W. Illinois Ave.	Midland, TX 79701
12/T21S/R32E	A	Conoco Phillips Co.	Conoco Phillips Co.	-	-	600 W. Illinois Ave.	Bartlesville, OK 74005-7500
	B,C	Ascent Energy LLC	Ascent Energy LLC	-	-	1621 18th St, Ste. 200	Denver, CO 80202-1267
	B,C	-	Hanley Petroleum INC	-	-	415 W. Wall St., Ste. 1500	Midland, TX 79701-4473
05/T21S/R33E	L	COG Operating LLC	-	-	-	600 W. Illinois Ave.	Midland, TX 79701
	L	-	Advance Energy Partners Hat Mesa LLC	-	-	11490 Westheimer Rd., Ste. 950	Houston, TX 77077-6841
	L(12),L(13)	EOG Resources INC	EOG Resources INC	-	-	5509 Champions Drive	Midland, TX 79706
	D(5)	Rubicon Oil	Rubicon Oil	-	-	6401 Holiday Hill Road Building #5	Midland, TX 79707
	D(5)	Advanced Energy Partners Hat Mesa LLC	Advanced Energy Partners Hat Mesa LLC	-	-	11490 Westheimer Rd., Ste. 950	Houston, TX 77077-6841
06/T21S/R33E	L(17),L(18),K,N	Ascent Energy, LLC	-	-	-	1125 17th St, Suite 410	Denver, CO 80202
	L(17),L(18),K,N	-	Cimarex Energy Co. of Colorado			600 N. Marienfeld Street, Suite 600	Midland, TX 79701
	J,O,I,P	Cimarex Energy Co. of Colorado	Cimarex Energy Co. of Colorado	-	-	600 N. Marienfeld Street, Suite 600	Midland, TX 79701
	L(1-16)	EOG Resources INC	EOG Resources INC	-	-	5509 Champions Drive	Midland, TX 79706
07/T21S/R33E	C,L(1)	Ascent Energy, LLC	Ascent Energy, LLC	-	-	1125 17th St, Suite 410	Denver, CO 80202
	B	Cimarex Energy Co. of Colorado	Cimarex Energy Co. of Colorado	-	-	600 N. Marienfeld Street, Suite 600	Midland, TX 79701

***NOTE: Surface lands within 1 mile of the proposed Lombard SWD #1 are owned by the Bureau of Land Management and the State of New Mexico. Notifications and copies of the C-108 application have been sent to these parties at the following addresses: Bureau of Land Management; 301 Dinosaur Trail; Santa Fe, NM 87508 and State of New Mexico; 310 Old Santa Fe Trl.; Santa Fe, NM 87504.**

Table B-2. Summary list of all operators, lessees, and surface owners provided notice of 3Bear's C-108 application submittal

Asher Enterprises LTD CO P
11063-D So Memorial Drive, PMB 525
Tulsa, OK 74133

Marathon Oil Permian LLC
5555 San Felipe Street
Houston, TX 77056-2701

PGP Holdings I LLC
104 Townpark Drive NW
Kennesaw, GA 30144-5508

COG Operating LLC
600 W. Illinois Avenue
Midland, TX 79701-4882

Legacy Reserves Operating LP
303 West Wall Street, Suite 1800
Midland, TX 79701-5106

Devon Energy Prod. Co. LP
333 W. Sheridan Avenue
Oklahoma City, OK 73102-5010

Sundown Energy LP
16400 Dallas Pkwy., Suite 100
Dallas, TX 75248-2609

Advance Energy Partners Hat Mesa LLC
11490 Westheimer Road, Suite 950
Houston, TX 77077-6841

Concho Oil & Gas LLC
600 W. Illinois Avenue
Midland, TX 79701-4882

Highland Texas Energy Co.
7557 Rambler Road, Suite 918
Dallas, TX 75231-2306

EOG Resources, Inc.
5509 Champions Drive
Midland, TX 79706

Conoco Phillips Co.
600 W Illinois Avenue
Midland, TX 79701

Ascent Energy, LLC
1621 18th Street, Suite 200
Denver, CO 80202-1267

Ascent Energy, LLC
1125 17th Street, Suite 410
Denver, CO 80202

XTO Energy, Inc.
6401 Holiday Hill Road, Building #5
Midland, TX 79707

Chisholm Energy Operating, LLC
801 Cherry Street
Fort Worth, TX 76102

Cimarex Energy Co. of Colorado
600 North Marienfeld Street, Suite 600
Midland, TX 79701

Rubicon Oil and Gas, LLC
508 W Wall Avenue, Suite 1220
Midland, TX 79701

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

State of New Mexico
Allison Marks – Director of Oil, Gas, and Minerals
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

NOTIFICATION TO INTERESTED PARTIES

Copies of all notice letters distributed to Interested Parties

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Advance Energy Partners Hat Mesa, LLC
11490 Westheimer Road, Suite 950
Houston, TX 77077-6841

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

Attached for your review is a complete Form C-108 Application for Authorization to Inject and its supplemental documentation prepared on behalf of 3Bear Field Services, LLC for their proposed Lombard SWD #1 well. Section XIV of Form C-108 requires that the surface landowner and each leasehold operator within a one-half mile radius of the proposed well location be furnished with a copy of the application.

According to the New Mexico Oil Conservation Division, surface owners and offset operators must file any objections or requests for hearing of administrative applications within fifteen (15) days from which this application was mailed to them.

Please note that an application for the Lombard SWD #1 was previously approved but has subsequently expired. The attached application is to reinstate approval for the project.

If you have any questions concerning this application, you may contact Mr. Alberto A. Gutiérrez or Mr. David White at (505) 842-8000 at Geolex, Inc.®; 500 Marquette Avenue NW, Suite 1350; Albuquerque, New Mexico 87102.

Sincerely,
Geolex®, Inc.

David A. White, P.G.
Project Manager – Consultant to 3Bear

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\2022 C-108 Resubmittal\Notifications\Advance Energy Partners.docx

phone: 505-842-8000
fax: 505-842-7380
500 Marquette Avenue NW, Suite 1350
Albuquerque, New Mexico 87102
email: aag@geolex.com
web: www.geolex.com

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Asher Enterprises LTD CO P
11063-D So Memorial Drive, PMB 525
Tulsa, OK 74133

VIA FEDERAL EXPRESS

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email: aag@geolex.com
web: www.geolex.com

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INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

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

VIA FEDERAL EXPRESS

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INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Chisholm Energy Operating, LLC
801 Cherry Street
Fort Worth, TX 76102

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

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Project Manager – Consultant to 3Bear

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email: aag@geolex.com
web: www.geolex.com

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INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Cimarex Energy Co. of Colorado
600 North Marienfeld Street, Suite 600
Midland, TX 79701

VIA FEDERAL EXPRESS

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Sincerely,
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David A. White, P.G.
Project Manager – Consultant to 3Bear

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Alberto A. Gutiérrez, C.P.G.

February 2, 2022

COG Operating LLC
600 W. Illinois Avenue
Midland, TX 79701-4882

VIA FEDERAL EXPRESS

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INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Concho Oil & Gas LLC
600 W. Illinois Avenue
Midland, TX 79701-4882

VIA FEDERAL EXPRESS

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Geolex®, Inc.

David A. White, P.G.
Project Manager – Consultant to 3Bear

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phone: 505-842-8000
fax: 505-842-7380

500 Marquette Avenue NW, Suite 1350
Albuquerque, New Mexico 87102

email: aag@geolex.com
web: www.geolex.com

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Conoco Phillips Co.
600 West Illinois Avenue
Midland, TX 79701

VIA FEDERAL EXPRESS

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Geolex®, Inc.

David A. White, P.G.
Project Manager – Consultant to 3Bear

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\2022 C-108 Resubmittal\Notifications

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Devon Energy Prod. Co. LP
333 W. Sheridan Avenue
Oklahoma City, OK 73102-5010

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

Attached for your review is a complete Form C-108 Application for Authorization to Inject and its supplemental documentation prepared on behalf of 3Bear Field Services, LLC for their proposed Lombard SWD #1 well. Section XIV of Form C-108 requires that the surface landowner and each leasehold operator within a one-half mile radius of the proposed well location be furnished with a copy of the application.

According to the New Mexico Oil Conservation Division, surface owners and offset operators must file any objections or requests for hearing of administrative applications within fifteen (15) days from which this application was mailed to them.

Please note that an application for the Lombard SWD #1 was previously approved but has subsequently expired. The attached application is to reinstate approval for the project.

If you have any questions concerning this application, you may contact Mr. Alberto A. Gutiérrez or Mr. David White at (505) 842-8000 at Geolex, Inc.®; 500 Marquette Avenue NW, Suite 1350; Albuquerque, New Mexico 87102.

Sincerely,
Geolex®, Inc.

David A. White, P.G.
Project Manager – Consultant to 3Bear

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INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

EOG Resources, Inc.
5509 Champions Drive
Midland, TX 79706

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

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GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Legacy Reserves Operating LP
303 West Wall Street, Suite 1800
Midland, TX 79701-5106

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

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Sincerely,
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David A. White, P.G.
Project Manager – Consultant to 3Bear

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\2022 C-108 Resubmittal\Notifications

phone: 505-842-8000
fax: 505-842-7380

500 Marquette Avenue NW, Suite 1350
Albuquerque, New Mexico 87102

email: aag@geolex.com
web: www.geolex.com

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

PGP Holdings I LLC
104 Townpark Drive NW
Kennesaw, GA 30144-5508

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

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Sincerely,
Geolex®, Inc.

David A. White, P.G.
Project Manager – Consultant to 3Bear

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phone: 505-842-8000
fax: 505-842-7380

500 Marquette Avenue NW, Suite 1350
Albuquerque, New Mexico 87102

email: aag@geolex.com
web: www.geolex.com

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Rubicon Oil and Gas, LLC
508 W Wall Avenue, Suite 1220
Midland, TX 79701

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

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Sincerely,
Geolex®, Inc.

David A. White, P.G.
Project Manager – Consultant to 3Bear

Enclosure: Complete C-108 Application for Authority to Inject

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phone: 505-842-8000
fax: 505-842-7380

500 Marquette Avenue NW, Suite 1350
Albuquerque, New Mexico 87102

email: aag@geolex.com
web: www.geolex.com

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

State of New Mexico
Allison Marks – Director of Oil, Gas, and Minerals
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

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Sincerely,
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David A. White, P.G.
Project Manager – Consultant to 3Bear

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Albuquerque, New Mexico 87102

email: aag@geolex.com
web: www.geolex.com

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

Sundown Energy LP
16400 Dallas Pkwy., Suite 100
Dallas, TX 75248-2609

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

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Sincerely,
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Project Manager – Consultant to 3Bear

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phone: 505-842-8000
fax: 505-842-7380

500 Marquette Avenue NW, Suite 1350
Albuquerque, New Mexico 87102

email: aag@geolex.com
web: www.geolex.com

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 2, 2022

XTO Energy, Inc.
6401 Holiday Hill Road, Building #5
Midland, TX 79707

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

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GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 10, 2022

Highland Texas Energy Co.
11886 Greenville Ave., Suite 106
Dallas, TX 75243

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

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David A. White, P.G.
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Albuquerque, New Mexico 87102

email: aag@geolex.com
web: www.geolex.com

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 10, 2022

Marathon Oil Permian LLC
990 Town and Country Blvd.
Houston, TX 77024

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

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Albuquerque, New Mexico 87102

email: aag@geolex.com
web: www.geolex.com

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 10, 2022

Ascent Energy, LLC
14982 Melco Avenue
Parker, CO 80134

VIA FEDERAL EXPRESS

RE: 3BEAR FIELD SERVICES, LLC PROPOSED LOMBARD SWD #1

To Whom It May Concern:

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phone: 505-842-8000
fax: 505-842-7380

500 Marquette Avenue NW, Suite 1350
Albuquerque, New Mexico 87102

email: aag@geolex.com
web: www.geolex.com

PROOF OF DELIVERY OF NOTIFICATION LETTERS

Federal Express Shipment Tracking & Delivery Confirmation

775962607527

ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 12:16 pm

DELIVERED

Signature release on file

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

TO

Advance Energy Partners
Advance Energy Partners

11490 Westheimer Road, Suite 950
HOUSTON, TX US 77077
832-672-4700

MANAGE DELIVERY

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
12:28 PM	HOUSTON, TX	Shipment arriving On-Time
12:16 PM	HOUSTON, TX	Delivered Package delivered to recipient address - release authorized
9:08 AM	HOUSTON, TX	Shipment arriving early
8:17 AM	HOUSTON, TX	On FedEx vehicle for delivery
6:56 AM	HOUSTON, TX	Shipment arriving On-Time
6:37 AM	HOUSTON, TX	At local FedEx facility
Saturday, February 5, 2022		
7:31 AM	HOUSTON, TX	At destination sort facility
6:16 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:59 PM	ALBUQUERQUE, NM	Shipment arriving On-Time
5:49 PM	ALBUQUERQUE, NM	Picked up

2:50 PM	Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775962607527

SERVICE
FedEx 2Day

WEIGHT
1 lbs / 0.45 kgs

DELIVERY ATTEMPTS
1

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
1 lbs / 0.45 kgs

TERMS
Shipper

SHIPPER REFERENCE
18-025

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 12:16 pm

776016613249

ADD NICKNAME

ON TIME

Delivered
Friday, February 11, 2022 at 3:24 pm

DELIVERED

Signature not required

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

Ascent Energy, LLC

14982 Melco Avenue
PARKER, CO US 80134
303-374-4500

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Friday, February 11, 2022

3:24 PM	PARKER, CO	Delivered Package delivered to recipient address - release authorized
8:29 AM	ENGLEWOOD, CO	On FedEx vehicle for delivery
7:51 AM	ENGLEWOOD, CO	At local FedEx facility
4:26 AM	DENVER, CO	At destination sort facility
3:13 AM	MEMPHIS, TN	Departed FedEx hub

Thursday, February 10, 2022

11:24 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
6:01 PM	ALBUQUERQUE, NM	Shipment arriving On-Time
5:50 PM	ALBUQUERQUE, NM	Picked up
5:43 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER	SERVICE	WEIGHT
776016613249	FedEx Standard Overnight	0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS	DELIVERED TO	TOTAL PIECES
1	Residence	1
TOTAL SHIPMENT WEIGHT	**TERMS**	**SHIPPER REFERENCE**
0.5 lbs / 0.23 kgs	Shipper	18-025
PACKAGING	**SPECIAL HANDLING SECTION**	**SHIP DATE**
FedEx Envelope	Deliver Weekday, Residential Delivery	2/10/22
SHIPMENT-FACTS.COD-DETAIL	**STANDARD TRANSIT**	**ACTUAL DELIVERY**
$0.00	2/11/22 before 8:00 pm	2/11/22 at 3:24 pm

775962734203

ADD NICKNAME

Delivered
Tuesday, February 8, 2022 at 1:37 pm

DELIVERED

Signature release on file

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

TO

Asher Enterprises LTD
Asher Enterprises LTD

11063-D So Memorial Drive, PMB 525
TULSA, OK US 74133
918-970-6930

MANAGE DELIVERY

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Tuesday, February 15, 2022		
12:55 PM	TULSA, OK	Returning package to shipper Return tracking number 524085641095
7:40 AM	TULSA, OK	Delay Package delayed
7:27 AM	TULSA, OK	At local FedEx facility
Monday, February 14, 2022		
6:43 AM	TULSA, OK	Delay Package delayed
6:31 AM	TULSA, OK	At local FedEx facility
Saturday, February 12, 2022		
11:43 AM	TULSA, OK	Delay Package delayed
11:31 AM	TULSA, OK	At local FedEx facility
Friday, February 11, 2022		
8:59 AM	TULSA, OK	Delay Package delayed
8:44 AM	TULSA, OK	At local FedEx facility

Thursday, February 10, 2022		
7:06 PM	TULSA, OK	Delay Package delayed
7:09 AM	TULSA, OK	At local FedEx facility
Wednesday, February 9, 2022		
8:58 PM	TULSA, OK	Delay Package delayed
8:48 PM	TULSA, OK	At local FedEx facility
9:35 AM	TULSA, OK	Delay Retrieved shipment
Tuesday, February 8, 2022		
1:37 PM	TULSA, OK	Delivered Package delivered to recipient address - release authorized
7:08 AM	TULSA, OK	On FedEx vehicle for delivery
6:51 AM	TULSA, OK	Shipment arriving On-Time
6:32 AM	TULSA, OK	At local FedEx facility
Monday, February 7, 2022		
9:28 AM	TULSA, OK	Shipment arriving On-Time
9:12 AM	TULSA, OK	At local FedEx facility
Saturday, February 5, 2022		
9:43 AM	TULSA, OK	At local FedEx facility
8:30 AM	TULSA, OK	At destination sort facility
8:08 AM	TULSA, OK	At local FedEx facility
Friday, February 4, 2022		
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:57 PM	ALBUQUERQUE, NM	Shipment arriving On-Time
5:49 PM	ALBUQUERQUE, NM	Picked up
2:59 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775962734203

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/8/22 at 1:37 pm

775962765110

ADD NICKNAME

ON TIME

Delivered
Tuesday, February 8, 2022 at 12:06 pm

DELIVERED

Signed for by: K.LAROQUE

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

Bureau of Land Management

301 Dinosaur Trail
SANTA FE, NM US 87508
505-954-2000

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Tuesday, February 8, 2022		
12:06 PM	SANTA FE, NM	Delivered
10:28 AM	SANTA FE, NM	On FedEx vehicle for delivery
8:31 AM	SANTA FE, NM	Shipment arriving On-Time
8:13 AM	SANTA FE, NM	At local FedEx facility
Monday, February 7, 2022		
8:15 AM	SANTA FE, NM	Shipment arriving On-Time
7:48 AM	SANTA FE, NM	At local FedEx facility
Saturday, February 5, 2022		
10:05 AM	SANTA FE, NM	At local FedEx facility Package not due for delivery
10:05 AM	SANTA FE, NM	At local FedEx facility
Friday, February 4, 2022		
8:32 PM	ALBUQUERQUE, NM	At local FedEx facility

7:10 PM	ALBUQUERQUE, NM	At destination sort facility
6:55 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:59 PM	ALBUQUERQUE, NM	Shipment arriving On-Time
5:49 PM	ALBUQUERQUE, NM	Picked up
3:01 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775962765110

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/8/22 at 12:06 pm

775962828016

ADD NICKNAME

Delivered
Tuesday, February 8, 2022 at 11:53 am

DELIVERED

Signed for by: L.LASITER

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

TO

Chisholm Energy Operating

801 Cherry Street, Suite 1200
Unit 20
FORT WORTH, TX US 76102
817-953-6063

MANAGE DELIVERY

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Friday, February 11, 2022		
11:25 AM	FORT WORTH, TX	Shipment arriving On-Time
Tuesday, February 8, 2022		
11:53 AM	FORT WORTH, TX	Delivered
8:25 AM	FORT WORTH, TX	At local FedEx facility
8:25 AM	FORT WORTH, TX	On FedEx vehicle for delivery
7:16 AM	FORT WORTH, TX	Shipment arriving On-Time
7:03 AM	FORT WORTH, TX	At local FedEx facility
Monday, February 7, 2022		
9:49 AM	FORT WORTH, TX	At local FedEx facility Package not due for delivery
7:02 AM	FORT WORTH, TX	Shipment arriving On-Time
6:47 AM	FORT WORTH, TX	At local FedEx facility
Saturday, February 5, 2022		
6:03 PM	FORT WORTH, TX	Shipment arriving On-Time

5:51 PM	FORT WORTH, TX	At local FedEx facility
1:26 PM	FORT WORTH, TX	At local FedEx facility Package not due for delivery
7:34 AM	DALLAS, TX	At destination sort facility
6:29 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:59 PM	ALBUQUERQUE, NM	Shipment arriving On-Time
5:49 PM	ALBUQUERQUE, NM	Picked up
3:06 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775962828016

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/8/22 at 11:53 am

775962989396

ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 1:20 pm

DELIVERED

Signed for by: P.WALDON

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

TO

Cimarex Energy Company of CO

600 N MARIENFELD ST
STE 600
MIDLAND, TX US 79701
432-571-7800

MANAGE DELIVERY

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
1:33 PM	MIDLAND, TX	Shipment arriving On-Time
1:20 PM	MIDLAND, TX	Delivered
9:12 AM	MIDLAND, TX	Shipment arriving early
8:54 AM	MIDLAND, TX	On FedEx vehicle for delivery
8:14 AM	MIDLAND, TX	Shipment arriving On-Time
7:55 AM	MIDLAND, TX	At local FedEx facility
Saturday, February 5, 2022		
1:48 PM	MIDLAND, TX	At local FedEx facility
1:07 PM	MIDLAND, TX	At local FedEx facility Package not due for delivery
12:02 PM	MIDLAND, TX	At local FedEx facility
7:54 AM	LUBBOCK, TX	At destination sort facility
6:23 AM	MEMPHIS, TN	Departed FedEx hub

Friday, February 4, 2022

11:29 PM	MEMPHIS, TN	Shipment arriving On-Time
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:49 PM	ALBUQUERQUE, NM	Picked up
3:18 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775962989396

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 1:20 pm

775962930085

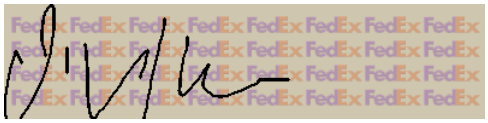
ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 10:29 am

DELIVERED

Signed for by: J.VILLAFRANCO



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

COG Operating LLC

600 W Illinois Avenue
MIDLAND, TX US 79701
432-685-0727

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
10:29 AM	MIDLAND, TX	Delivered
8:14 AM	MIDLAND, TX	Shipment arriving On-Time
7:56 AM	MIDLAND, TX	On FedEx vehicle for delivery
7:55 AM	MIDLAND, TX	At local FedEx facility
Saturday, February 5, 2022		
1:48 PM	MIDLAND, TX	At local FedEx facility
1:07 PM	MIDLAND, TX	At local FedEx facility Package not due for delivery
12:02 PM	MIDLAND, TX	At local FedEx facility
7:54 AM	LUBBOCK, TX	At destination sort facility
6:23 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:29 PM	MEMPHIS, TN	Shipment arriving On-Time
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub

6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:49 PM	ALBUQUERQUE, NM	Picked up
3:14 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775962930085

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 10:29 am

775963041176

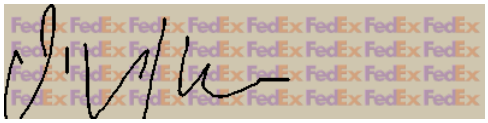
ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 10:29 am

DELIVERED

Signed for by: J.VILLAFRANCO



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

CONCHO OIL & GAS

600 W ILLINOIS AVE
MIDLAND, TX US 79701
432-683-7443

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
10:29 AM	MIDLAND, TX	Delivered
8:08 AM	MIDLAND, TX	Shipment arriving On-Time
7:53 AM	MIDLAND, TX	On FedEx vehicle for delivery
7:50 AM	MIDLAND, TX	At local FedEx facility
Saturday, February 5, 2022		
1:48 PM	MIDLAND, TX	At local FedEx facility
1:07 PM	MIDLAND, TX	At local FedEx facility Package not due for delivery
12:01 PM	MIDLAND, TX	At local FedEx facility
7:54 AM	LUBBOCK, TX	At destination sort facility
6:23 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:29 PM	MEMPHIS, TN	Shipment arriving On-Time
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub

6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:49 PM	ALBUQUERQUE, NM	Picked up
3:22 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775963041176

SERVICE
FedEx 2Day

WEIGHT
1 lbs / 0.45 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
1 lbs / 0.45 kgs

TERMS
Shipper

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 10:29 am

775963087421

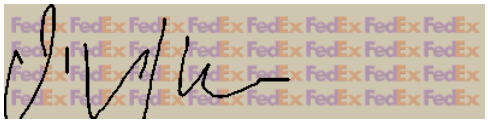
ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 10:29 am

DELIVERED

Signed for by: J.VILLAFRANCO



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

CONOCO PHILLIPS CO

600 W ILLINOIS AVENUE
MIDLAND, TX US 79701
432-683-7443

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
10:29 AM	MIDLAND, TX	Delivered
8:08 AM	MIDLAND, TX	Shipment arriving On-Time
7:53 AM	MIDLAND, TX	On FedEx vehicle for delivery
7:50 AM	MIDLAND, TX	At local FedEx facility
Saturday, February 5, 2022		
1:48 PM	MIDLAND, TX	At local FedEx facility
1:07 PM	MIDLAND, TX	At local FedEx facility Package not due for delivery
12:01 PM	MIDLAND, TX	At local FedEx facility
7:54 AM	LUBBOCK, TX	At destination sort facility
6:23 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:29 PM	MEMPHIS, TN	Shipment arriving On-Time
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub

6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:49 PM	ALBUQUERQUE, NM	Picked up
3:25 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775963087421

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 10:29 am

775963371096

ADD NICKNAME

ON TIME

Delivered
Tuesday, February 8, 2022 at 11:12 am

DELIVERED

Signed for by: F.WELLS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

DEVON ENERGY PROD CO

333 W SHERIDAN AVE
OKLAHOMA CITY, OK US 73102
405-228-4800

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Tuesday, February 8, 2022		
11:12 AM	OKLAHOMA CITY, OK	Delivered
9:08 AM	OKLAHOMA CITY, OK	On FedEx vehicle for delivery
7:39 AM	OKLAHOMA CITY, OK	Shipment arriving On-Time
7:24 AM	OKLAHOMA CITY, OK	At local FedEx facility
Monday, February 7, 2022		
9:14 AM	OKLAHOMA CITY, OK	Shipment arriving On-Time
9:03 AM	OKLAHOMA CITY, OK	At local FedEx facility
Saturday, February 5, 2022		
10:47 AM	OKLAHOMA CITY, OK	At local FedEx facility Package not due for delivery
10:47 AM	OKLAHOMA CITY, OK	At local FedEx facility Package not due for delivery
7:33 AM	OKLAHOMA CITY, OK	At destination sort facility
6:26 AM	MEMPHIS, TN	Departed FedEx hub

Friday, February 4, 2022

11:16 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:59 PM	ALBUQUERQUE, NM	Shipment arriving On-Time
5:49 PM	ALBUQUERQUE, NM	Picked up
3:48 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775963371096

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/8/22 at 11:12 am

775963405477

ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 10:16 am

DELIVERED

Signed for by: E.EOG

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM
Liz Hill
500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

TO
EOG RESOURCES INC
5509 CHAMPIONS DRIVE
MIDLAND, TX US 79706
432-686-3600

MANAGE DELIVERY

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
10:16 AM	MIDLAND, TX	Delivered
7:59 AM	MIDLAND, TX	Shipment arriving On-Time
7:46 AM	MIDLAND, TX	On FedEx vehicle for delivery
7:44 AM	MIDLAND, TX	At local FedEx facility
Saturday, February 5, 2022		
1:50 PM	MIDLAND, TX	At local FedEx facility
1:49 PM	MIDLAND, TX	At local FedEx facility Package not due for delivery
1:40 PM	MIDLAND, TX	At local FedEx facility
12:01 PM	MIDLAND, TX	At local FedEx facility
7:54 AM	LUBBOCK, TX	At destination sort facility
6:23 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:29 PM	MEMPHIS, TN	Shipment arriving On-Time

11:16 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:49 PM	ALBUQUERQUE, NM	Picked up
3:51 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775963405477

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 10:16 am

776016578519

ADD NICKNAME

ON TIME

Delivered
Friday, February 11, 2022 at 2:17 pm

DELIVERED

Signed for by: C.MATHEWS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

Highland Texas Energy Co.

11886 Greenville Ave, Suite 106
DALLAS, TX US 75243
214-369-2020

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Friday, February 11, 2022		
2:17 PM	DALLAS, TX	Delivered
8:11 AM	GARLAND, TX	On FedEx vehicle for delivery
7:45 AM	GARLAND, TX	At local FedEx facility
5:31 AM	DALLAS, TX	At destination sort facility
4:18 AM	MEMPHIS, TN	Departed FedEx hub
Thursday, February 10, 2022		
11:24 PM	MEMPHIS, TN	Arrived at FedEx hub
7:05 PM	ALBUQUERQUE, NM	Shipment arriving On-Time
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:50 PM	ALBUQUERQUE, NM	Picked up
5:38 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
776016578519

SERVICE
FedEx Standard Overnight

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

SHIPPER REFERENCE
18-025

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/10/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/11/22 before 4:30 pm

ACTUAL DELIVERY
2/11/22 at 2:17 pm

775963936274

ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 10:06 am

DELIVERED

Signed for by: V.VIVIAN TORRES

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

LEGACY RESERVES OPERATING LP

15 SMITH ROAD, SUITE 3000
MIDLAND, TX US 79705
432-689-5200

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
10:06 AM	MIDLAND, TX	Delivered
8:14 AM	MIDLAND, TX	Shipment arriving On-Time
8:00 AM	MIDLAND, TX	On FedEx vehicle for delivery
7:55 AM	MIDLAND, TX	At local FedEx facility
Saturday, February 5, 2022		
1:50 PM	MIDLAND, TX	At local FedEx facility
1:49 PM	MIDLAND, TX	At local FedEx facility Package not due for delivery
1:41 PM	MIDLAND, TX	At local FedEx facility
12:01 PM	MIDLAND, TX	At local FedEx facility
7:54 AM	LUBBOCK, TX	At destination sort facility
6:23 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:29 PM	MEMPHIS, TN	Shipment arriving On-Time

11:16 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:49 PM	ALBUQUERQUE, NM	Picked up
4:46 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775963936274

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

SHIPPER REFERENCE
18-025

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 10:06 am

776016664765

ADD NICKNAME

ON TIME

Delivered
Friday, February 11, 2022 at 11:06 am

DELIVERED

Signed for by: T.WASHINGTON

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

Marathon Oil Permian LLC

990 TOWN AND COUNTRY BLVD
HOUSTON, TX US 77024
713-629-6600

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Friday, February 11, 2022		
11:06 AM	HOUSTON, TX	Delivered
8:45 AM	HOUSTON, TX	At local FedEx facility
8:45 AM	HOUSTON, TX	On FedEx vehicle for delivery
8:10 AM	HOUSTON, TX	At local FedEx facility
4:37 AM	HOUSTON, TX	At destination sort facility
3:22 AM	MEMPHIS, TN	Departed FedEx hub
Thursday, February 10, 2022		
11:24 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
6:01 PM	ALBUQUERQUE, NM	Shipment arriving On-Time
5:50 PM	ALBUQUERQUE, NM	Picked up
5:51 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER	SERVICE	WEIGHT
776016664765	FedEx Standard Overnight	0.5 lbs / 0.23 kgs
DELIVERY ATTEMPTS	**DELIVERED TO**	**TOTAL PIECES**
1	Guard/Security Station	1
TOTAL SHIPMENT WEIGHT	**TERMS**	**SHIPPER REFERENCE**
0.5 lbs / 0.23 kgs	Shipper	18-025
PACKAGING	**SPECIAL HANDLING SECTION**	**SHIP DATE**
FedEx Envelope	Deliver Weekday	2/10/22
SHIPMENT-FACTS.COD-DETAIL	**STANDARD TRANSIT**	**ACTUAL DELIVERY**
$0.00	2/11/22 before 4:30 pm	2/11/22 at 11:06 am

775963660925

ADD NICKNAME

ON TIME

Delivered
Tuesday, February 8, 2022 at 1:09 pm

DELIVERED

Signed for by: B.BOONE

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

PGP HOLDINGS I LLC

104 TOWNPARK DRIVE NW
KENNESAW, GA US 30144
770-590-1000

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Tuesday, February 8, 2022		
1:09 PM	KENNESAW, GA	Delivered
9:33 AM	MARIETTA, GA	On FedEx vehicle for delivery
8:45 AM	MARIETTA, GA	Shipment arriving On-Time
8:32 AM	MARIETTA, GA	At local FedEx facility
Monday, February 7, 2022		
8:44 AM	MARIETTA, GA	At local FedEx facility Package not due for delivery
8:44 AM	MARIETTA, GA	At local FedEx facility
7:11 AM	MARIETTA, GA	Shipment arriving On-Time
6:59 AM	MARIETTA, GA	At local FedEx facility
Saturday, February 5, 2022		
7:49 AM	ATLANTA, GA	At destination sort facility
5:50 AM	MEMPHIS, TN	Departed FedEx hub

Friday, February 4, 2022

11:29 PM	MEMPHIS, TN	Shipment arriving On-Time
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:49 PM	ALBUQUERQUE, NM	Picked up
4:15 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775963660925

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

SHIPPER REFERENCE
18-025

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/8/22 at 1:09 pm

775963685609

ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 10:43 am

DELIVERED

Signed for by: C.PEARCE

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

RUBICON OIL AND GAS

508 W WALL STREET, SUITE 1220
MIDLAND, TX US 79701
432-687-5100

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
10:43 AM	MIDLAND, TX	Delivered
8:17 AM	MIDLAND, TX	Shipment arriving On-Time
8:08 AM	MIDLAND, TX	On FedEx vehicle for delivery
7:58 AM	MIDLAND, TX	At local FedEx facility
Saturday, February 5, 2022		
1:48 PM	MIDLAND, TX	At local FedEx facility
1:06 PM	MIDLAND, TX	At local FedEx facility Package not due for delivery
12:01 PM	MIDLAND, TX	At local FedEx facility
7:54 AM	LUBBOCK, TX	At destination sort facility
6:23 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:29 PM	MEMPHIS, TN	Shipment arriving On-Time
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub

6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:49 PM	ALBUQUERQUE, NM	Picked up
4:17 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775963685609

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

SHIPPER REFERENCE
18-025

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 10:43 am

775963750504

ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 10:23 am

DELIVERED

Signed for by: A.SANCHEZ

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

TO

ALLISON MARKS
STATE OF NEW MEXICO

310 OLD SANTA FE TRAIL
SANTA FE, NM US 87504
505-827-5760

MANAGE DELIVERY

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
10:23 AM	SANTA FE, NM	Delivered
8:19 AM	SANTA FE, NM	Shipment arriving On-Time
8:12 AM	SANTA FE, NM	On FedEx vehicle for delivery
7:55 AM	SANTA FE, NM	At local FedEx facility
Saturday, February 5, 2022		
10:04 AM	SANTA FE, NM	At local FedEx facility Package not due for delivery
10:04 AM	SANTA FE, NM	At local FedEx facility
Friday, February 4, 2022		
8:32 PM	ALBUQUERQUE, NM	At local FedEx facility
7:10 PM	ALBUQUERQUE, NM	At destination sort facility
6:55 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:57 PM	ALBUQUERQUE, NM	Shipment arriving On-Time

5:49 PM	ALBUQUERQUE, NM	Picked up
4:24 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775963750504

SERVICE
FedEx 2Day

WEIGHT
0.5 lbs / 0.23 kgs

DELIVERY ATTEMPTS
1

DELIVERED TO
Mailroom

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
0.5 lbs / 0.23 kgs

TERMS
Shipper

SHIPPER REFERENCE
18-025

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 10:23 am

775963777566

ADD NICKNAME

Delivered
Monday, February 7, 2022 at 10:46 am

DELIVERED

Signed for by: O.GONNETT

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

MANAGE DELIVERY

TO

SUNDOWN ENERGY LP

16400 DALLAS PKWY, SUITE 100
DALLAS, TX US 75248
432-943-8770

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
10:58 AM	ADDISON, TX	Shipment arriving On-Time
10:46 AM	DALLAS, TX	Delivered
9:15 AM	ADDISON, TX	Shipment arriving early
8:11 AM	ADDISON, TX	On FedEx vehicle for delivery
7:31 AM	ADDISON, TX	Shipment arriving On-Time
7:16 AM	ADDISON, TX	At local FedEx facility
Saturday, February 5, 2022		
11:30 AM	ADDISON, TX	At local FedEx facility
7:34 AM	DALLAS, TX	At destination sort facility
6:29 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub
6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:59 PM	ALBUQUERQUE, NM	Shipment arriving On-Time
5:49 PM	ALBUQUERQUE, NM	Picked up

4:27 PM	Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER 775963777566	**SERVICE** FedEx 2Day	**WEIGHT** 1 lbs / 0.45 kgs
DELIVERY ATTEMPTS 1	**DELIVERED TO** Receptionist/Front Desk	**TOTAL PIECES** 1
TOTAL SHIPMENT WEIGHT 1 lbs / 0.45 kgs	**TERMS** Shipper	**SHIPPER REFERENCE** 18-025
PACKAGING FedEx Envelope	**SPECIAL HANDLING SECTION** Deliver Weekday	**SHIP DATE** 2/4/22
SHIPMENT-FACTS.COD-DETAIL $0.00	**STANDARD TRANSIT** 2/8/22 before 4:30 pm	**ACTUAL DELIVERY** 2/7/22 at 10:46 am

775963883196

ADD NICKNAME

ON TIME

Delivered
Monday, February 7, 2022 at 10:52 am

DELIVERED

Signature release on file

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Liz Hill

500 MARQUETTE AVE. NW #1350
ALBUQUERQUE, NM US 87102
505-842-8000

TO

XTO ENERGY INC

6401 HOLIDAY HILL RD, BUILDING #5
MIDLAND, TX US 79707
800-299-2800

MANAGE DELIVERY

Travel History | Shipment Facts

Travel History

TIME ZONE
Local Scan Time

Monday, February 7, 2022		
11:04 AM	MIDLAND, TX	Shipment arriving On-Time
10:52 AM	MIDLAND, TX	Delivered Package delivered to recipient address - release authorized
9:07 AM	MIDLAND, TX	Shipment arriving early
8:18 AM	MIDLAND, TX	On FedEx vehicle for delivery
7:57 AM	MIDLAND, TX	Shipment arriving On-Time
7:37 AM	MIDLAND, TX	At local FedEx facility
Saturday, February 5, 2022		
1:48 PM	MIDLAND, TX	At local FedEx facility
1:37 PM	MIDLAND, TX	At local FedEx facility Package not due for delivery
12:00 PM	MIDLAND, TX	At local FedEx facility
7:54 AM	LUBBOCK, TX	At destination sort facility
6:23 AM	MEMPHIS, TN	Departed FedEx hub
Friday, February 4, 2022		
11:29 PM	MEMPHIS, TN	Shipment arriving On-Time
11:16 PM	MEMPHIS, TN	Arrived at FedEx hub

6:54 PM	ALBUQUERQUE, NM	Left FedEx origin facility
5:49 PM	ALBUQUERQUE, NM	Picked up
4:39 PM		Shipment information sent to FedEx

Expand History

Shipment Facts

TRACKING NUMBER
775963883196

SERVICE
FedEx 2Day

WEIGHT
1 lbs / 0.45 kgs

DELIVERY ATTEMPTS
1

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
1 lbs / 0.45 kgs

TERMS
Shipper

SHIPPER REFERENCE
18-025

PACKAGING
FedEx Envelope

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
2/4/22

SHIPMENT-FACTS.COD-DETAIL
$0.00

STANDARD TRANSIT
2/8/22 before 4:30 pm

ACTUAL DELIVERY
2/7/22 at 10:52 am

AFFIDAVIT OF PUBLICATION

Hobbs News Sun – Published Feb. 3, 2022

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
February 03, 2022
and ending with the issue dated
February 03, 2022.

LEGAL NOTICE
February 3, 2022

3Bear Field Services, LLC; 306 W. Wall St., Suite 1304; Midland, Texas 79701, is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its saltwater disposal well Lombard State SWD #1 (API: 30-025-47424). The proposed well will be located at approximately 259 feet FWL & 3,882 feet FNL in Section 6, Township 21S, Range 33E in Lea County, New Mexico. Disposal water will be sourced from area production and will be injected into the Devonian to Fusselman formations through an open hole completion between approximately 15,535 feet and a total depth of approximately 17,000 feet. The maximum allowable surface pressure will not exceed 3,107 psig with a maximum rate of 25,000 BWPD. Interested parties opposing the action must file objections or requests for hearing with the Oil Conservation Division; 1220 South St. Francis Drive; Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained from the applicant's agent, Geolex, Inc.®; 500 Marquette Avenue NW, Suite 1350; Albuquerque, New Mexico 87102; (505) 842-8000.
#27279

Publisher

Sworn and subscribed to before me this
3rd day of February 2022.

Business Manager

My commission expires
January 29, 2023
(Seal)

GUSSIE BLACK
Notary Public - State of New Mexico
Commission # 1087526
My Comm. Expires Jan 29, 2023

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

67101169 00263252

ALBERTO A. GUTIERREZ
GEOLEX, INC.
500 MARQUETTE AVE. NW, SUITE 1350
ALBUQUERQUE, NM 87102

APPENDIX C

CHEMICAL ANALYSIS RESULTS OF INJECTION FLUID INTENDED TO BE DISPOSED OF VIA LOMBARD SWD #1

NM OFFICE OF THE STATE ENGINEER WATER WELL FILES
(Including Transaction Summary and Declaration of Owner of Underground Water Rights)

REQUEST TO SAMPLE GROUNDWATER FROM NEARBY WATER WELLS

JACAM LABORATORIES CHEMICAL ANALYSIS RESULTS OF INJECTION FLUID (completed 7/16/2019)

JACAM LABORATORIES

DownHole R_x

WATER CHEMISTRY

3 BEAR ENERGY
Jeff Day
EDDY NM

Libby Berry Fed SWD

North field inlet

Report Date: 07-16-2019
Sample #: 5647

Sampled: 07-02-2019
at 0000

Sample ID: 231260

CATIONS		ANIONS	
Calcium (as Ca)	4108	Chloride (as Cl)	67622
Magnesium (as Mg)	542.90	Sulfate (as SO_4)	660.00
Barium (as Ba)	3.22	Bromine (as Br)	0.00
Strontium (as Sr)	394.30	Dissolved CO_2 (as CO_2)	300.00
Sodium (as Na)	35388	Bicarbonate (as HCO_3)	181.50
Potassium (as K)	674.40	Carbonate (as CO_3)	0.00
Lithium (as Li)	0.00	Oxalic acid (as C_2O_4)	0.00
Ammonia (as NH_3)	0.00	Silica (as SiO_2)	0.00
Aluminum (as Al)	0.00	Phosphate(as PO_4)	0.00
Iron (as Fe)	0.277	H_2S (as H_2S)	153.90
Manganese (as Mn)	0.658	Fluoride (as F)	0.00
Zinc (as Zn)	0.00	Nitrate (as NO_3)	0.00
Lead (as Pb)	0.00	Boron (as B)	296.85

PARAMETERS

Calculated T.D.S.	109319
Molar Conductivity	150643
Resistivity	6.64
Sp.Gr.(g/mL)	1.08
Pressure(atm)	1.00
pCO_2(atm)	0.00936
pH_2S(atm)	0.101
Temperature (^oF)	75.00
pH	7.10

COMMENTS

EDDY NM

JACAM LABORATORIES
205 S. Broadway · P.O. Box 96 · Sterling, KS 67579-0096

JACAM LABORATORIES

DownHole R_x

DEPOSITION POTENTIAL INDICATORS

3 BEAR ENERGY
EDDY NM

Libby Berry Fed SWD

Report Date: 07-16-2019 Sampled: 07-02-2019
Sample #: 5647 at 0000

Sample ID: 231260

SATURATION LEVEL	
Calcite ($CaCO_3$)	0.611
Aragonite ($CaCO_3$)	0.533
Witherite ($BaCO_3$)	< 0.001
Strontianite ($SrCO_3$)	0.109
Calcium oxalate (CaC_2O_4)	0.00
Magnesite ($MgCO_3$)	0.0798
Anhydrite ($CaSO_4$)	0.244
Gypsum ($CaSO_4*2H_2O$)	0.359
Barite ($BaSO_4$)	11.31
Celestite ($SrSO_4$)	1.00
Fluorite (CaF_2)	0.00
Calcium phosphate	0.00
Hydroxyapatite	0.00
Silica (SiO_2)	0.00
Brucite ($Mg(OH)_2$)	< 0.001
Magnesium silicate	0.00
Iron hydroxide ($Fe(OH)_3$)	< 0.001
Strengite ($FePO_4*2H_2O$)	0.00
Siderite ($FeCO_3$)	0.0409
Halite (NaCl)	0.0359
Thenardite ($Na2SO_4$)	< 0.001
Iron sulfide (FeS)	8.97

MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite ($CaCO_3$)	-0.0126
Aragonite ($CaCO_3$)	-0.0174
Witherite ($BaCO_3$)	-23.62
Strontianite ($SrCO_3$)	-0.240
Calcium oxalate (CaC_2O_4)	-0.0162
Magnesite ($MgCO_3$)	-0.192
Anhydrite ($CaSO_4$)	-405.25
Gypsum ($CaSO_4*2H_2O$)	-272.96
Barite ($BaSO_4$)	1.74
Celestite ($SrSO_4$)	0.412
Fluorite (CaF_2)	-4.24
Calcium phosphate	>-0.001
Hydroxyapatite	-345.29
Silica (SiO_2)	-34.72
Brucite ($Mg(OH)_2$)	0.00373
Magnesium silicate	-103.48
Iron hydroxide ($Fe(OH)_3$)	< 0.001
Strengite ($FePO_4*2H_2O$)	>-0.001
Siderite ($FeCO_3$)	-0.234
Halite (NaCl)	-146156
Thenardite ($Na2SO_4$)	-79311
Iron sulfide (FeS)	0.0231

SIMPLE INDICES	
Langelier	0.113
Ryznar	6.87
Puckorius	7.44
Larson-Skold Index	3900
Stiff Davis Index	-0.556
Oddo-Tomson	-0.958

BOUND IONS	TOTAL	FREE
Calcium	4108	4020
Barium	3.22	3.22
Carbonate	1.23	0.0341
Phosphate	0.00	0.00
Sulfate	660.00	295.00

OPERATING CONDITIONS

Temperature (^oF)	75.00
Time(secs)	0.00

JACAM LABORATORIES
205 S. Broadway · P.O. Box 96 · Sterling, KS 67579-0096

DownHole SAT™ Water Analysis Report

JACAM LABORATORIES

SYSTEM IDENTIFICATION

3 BEAR ENERGY
Libby Berry Fed SWD
EDDY NM

Sample ID#:	5647
ID:	231260
Report Date:	07-16-2019
Sample Date:	07-02-2019
	at 0000

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	4108
Magnesium(as Mg)	542.90
Barium(as Ba)	3.22
Strontium(as Sr)	394.30
Sodium(as Na)	35388
Potassium(as K)	674.40
Lithium(as Li)	0.00
Iron(as Fe)	0.277
Field Iron(as Fe)	0.00
Ammonia(as NH_3)	0.00
Aluminum(as Al)	0.00
Manganese(as Mn)	0.658
Zinc(as Zn)	0.00
Lead(as Pb)	0.00

ANIONS

Chloride(as Cl)	67622
Sulfate(as SO_4)	660.00
Bromine(as Br)	0.00
Dissolved CO_2(as CO_2)	300.00
Bicarbonate(as HCO_3)	181.50
Carbonate(as CO_3)	0.00
Silica(as SiO_2)	0.00
Phosphate(as PO_4)	0.00
H_2S (as H_2S)	153.90
Fluoride(as F)	0.00
Nitrate(as NO_3)	0.00
Boron(as B)	296.85

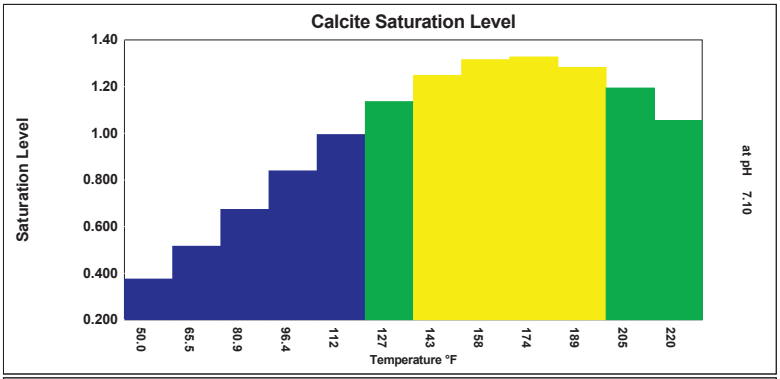
PARAMETERS

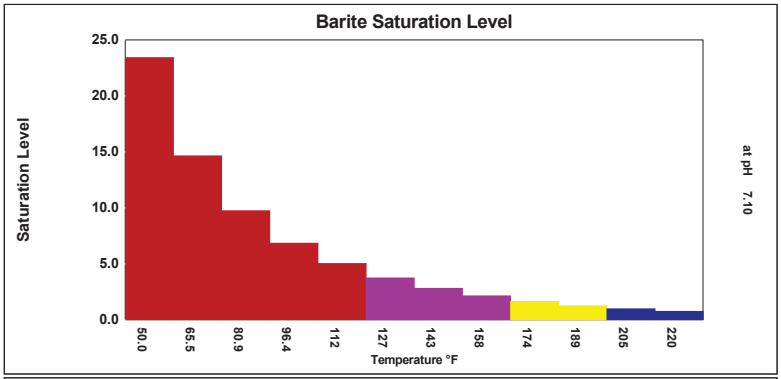
Temperature(°F)	75.00
T.D.S.	109319
Sample pH	7.10
Conductivity:	150643
Resistivity:	6.64

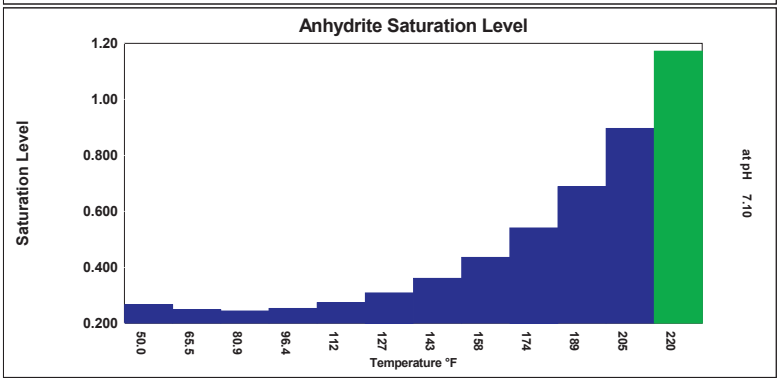
SCALE AND CORROSION POTENTIAL

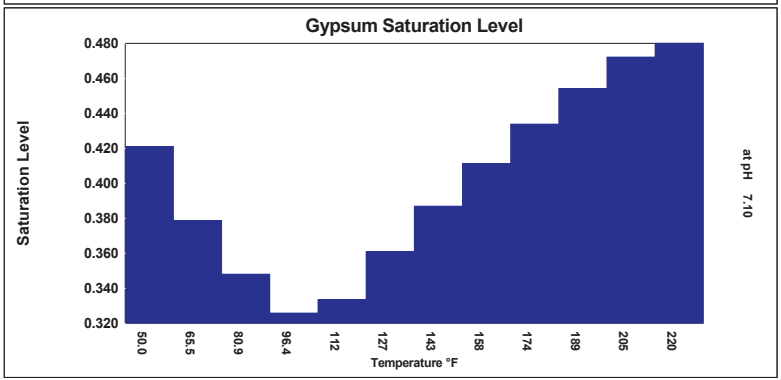
Temp. (°F)	Press. (atm)	Calcite $CaCO_3$		Anhydrite $CaSO_4$		Gypsum $CaSO_4*2H_2O$		Barite $BaSO_4$		Celestite $SrSO_4$		Siderite $FeCO_3$		Mackawenite FeS		CO_2 (mpy)	pCO_2 (atm)
50.00	0.00	0.374	-0.0247	0.266	-384.98	0.421	-225.51	23.41	1.83	1.15	16.53	0.0209	-0.305	45.50	0.0261	0.0360	0.00936
65.45	0.00	0.515	-0.0169	0.248	-405.94	0.379	-256.92	14.64	1.78	1.04	4.20	0.0322	-0.258	37.02	0.0255	0.0675	0.00936
80.91	0.00	0.673	-0.0102	0.244	-399.32	0.348	-281.30	9.74	1.71	0.991	-1.08	0.0469	-0.220	30.16	0.0249	0.0323	0.00936
96.36	0.00	0.838	-0.00455	0.253	-369.76	0.326	-298.85	6.84	1.63	0.979	-2.44	0.0647	-0.188	24.71	0.0241	0.0423	0.00936
111.82	0.00	0.993	>-0.001	0.274	-323.65	0.333	-280.19	5.02	1.53	0.981	-2.14	0.0844	-0.162	20.38	0.0233	0.0444	0.00936
127.27	0.00	1.14	0.00321	0.309	-267.81	0.361	-242.26	3.74	1.39	0.979	-2.29	0.105	-0.141	16.98	0.0225	0.0342	0.00936
142.73	0.00	1.25	0.00549	0.361	-208.47	0.387	-211.84	2.81	1.23	0.972	-3.02	0.126	-0.124	14.24	0.0215	0.0257	0.00936
158.18	0.00	1.31	0.00658	0.435	-150.60	0.411	-187.40	2.13	1.01	0.961	-4.26	0.143	-0.110	11.99	0.0204	0.0255	0.00936
173.64	0.00	1.33	0.00649	0.540	-97.66	0.434	-167.78	1.63	0.733	0.945	-5.96	0.153	-0.100	10.10	0.0192	0.0262	0.00936
189.09	0.00	1.28	0.00540	0.688	-51.61	0.454	-152.13	1.26	0.386	0.926	-8.09	0.157	-0.0927	8.49	0.0178	0.0136	0.00936
204.55	0.00	1.19	0.00359	0.896	-13.15	0.472	-139.76	0.975	-0.0494	0.903	-10.63	0.152	-0.0878	7.09	0.0163	0.0121	0.00936
220.00	0.171	1.05	0.00101	1.17	16.74	0.480	-136.24	0.749	-0.631	0.864	-15.42	0.139	-0.0870	6.61	0.0147	0.0181	0.0110
		xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels		

Saturation Levels (xSAT) are the ratio of ion activity to solubility, e.g. $\{Ca\}\{CO_3\}/K_{sp}$. pCO_2 (atm) is the partial pressure of CO_2 in the gas phase.
Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.









JACAM LABORATORIES

DownHole R_x

WATER CHEMISTRY

3 BEAR ENERGY
Jeff Day
EDDY NM

Libby Berry Fed SWD

North field inlet

Report Date: 07-16-2019
Sample #: 5647

Sampled: 07-02-2019
at 0000

Sample ID: 231259

CATIONS		ANIONS	
Calcium (as Ca)	3581	Chloride (as Cl)	74493
Magnesium (as Mg)	510.30	Sulfate (as SO_4)	660.00
Barium (as Ba)	2.94	Bromine (as Br)	0.00
Strontium (as Sr)	327.90	Dissolved CO_2 (as CO_2)	280.00
Sodium (as Na)	39835	Bicarbonate (as HCO_3)	181.50
Potassium (as K)	685.00	Carbonate (as CO_3)	0.00
Lithium (as Li)	0.00	Oxalic acid (as C_2O_4)	0.00
Ammonia (as NH_3)	0.00	Silica (as SiO_2)	0.00
Aluminum (as Al)	0.00	Phosphate(as PO_4)	0.00
Iron (as Fe)	0.145	H_2S (as H_2S)	171.00
Manganese (as Mn)	0.636	Fluoride (as F)	0.00
Zinc (as Zn)	0.00	Nitrate (as NO_3)	0.00
Lead (as Pb)	0.00	Boron (as B)	259.31

PARAMETERS

Calculated T.D.S.	119313
Molar Conductivity	167681
Resistivity	5.96
Sp.Gr.(g/mL)	1.09
Pressure(atm)	1.00
pCO_2(atm)	0.00950
pH_2S(atm)	0.112
Temperature (^oF)	75.00
pH	7.09

COMMENTS

EDDY NM

JACAM LABORATORIES
205 S. Broadway · P.O. Box 96 · Sterling, KS 67579-0096

JACAM LABORATORIES

DownHole R_x

DEPOSITION POTENTIAL INDICATORS

3 BEAR ENERGY
Jeff Day
EDDY NM

Libby Berry Fed SWD

Report Date: 07-16-2019
Sample #: 5647

Sampled: 07-02-2019
at 0000

Sample ID: 231259

SATURATION LEVEL	
Calcite ($CaCO_3$)	0.366
Aragonite ($CaCO_3$)	0.319
Witherite ($BaCO_3$)	< 0.001
Strontianite ($SrCO_3$)	0.0584
Calcium oxalate (CaC_2O_4)	0.00
Magnesite ($MgCO_3$)	0.0524
Anhydrite ($CaSO_4$)	0.219
Gypsum ($CaSO_4*2H_2O$)	0.317
Barite ($BaSO_4$)	9.96
Celestite ($SrSO_4$)	0.807
Fluorite (CaF_2)	0.00
Calcium phosphate	0.00
Hydroxyapatite	0.00
Silica (SiO_2)	0.00
Brucite ($Mg(OH)_2$)	< 0.001
Magnesium silicate	0.00
Iron hydroxide ($Fe(OH)_3$)	< 0.001
Strengite ($FePO_4*2H_2O$)	0.00
Siderite ($FeCO_3$)	0.0139
Halite (NaCl)	0.0453
Thenardite ($Na2SO_4$)	< 0.001
Iron sulfide (FeS)	4.84

MOMENTARY EXCESS (Lbs/1000 Barrels)	
Calcite ($CaCO_3$)	-0.0230
Aragonite ($CaCO_3$)	-0.0284
Witherite ($BaCO_3$)	-24.18
Strontianite ($SrCO_3$)	-0.316
Calcium oxalate (CaC_2O_4)	-0.0182
Magnesite ($MgCO_3$)	-0.202
Anhydrite ($CaSO_4$)	-464.07
Gypsum ($CaSO_4*2H_2O$)	-328.51
Barite ($BaSO_4$)	1.56
Celestite ($SrSO_4$)	-24.71
Fluorite (CaF_2)	-4.48
Calcium phosphate	>-0.001
Hydroxyapatite	-341.17
Silica (SiO_2)	-34.14
Brucite ($Mg(OH)_2$)	0.00365
Magnesium silicate	-102.78
Iron hydroxide ($Fe(OH)_3$)	< 0.001
Strengite ($FePO_4*2H_2O$)	>-0.001
Siderite ($FeCO_3$)	-0.282
Halite (NaCl)	-140363
Thenardite ($Na2SO_4$)	-80322
Iron sulfide (FeS)	0.0106

SIMPLE INDICES	
Langelier	-0.0974
Ryznar	7.28
Puckorius	8.08
Larson-Skold Index	6157
Stiff Davis Index	-0.734
Oddo-Tomson	-1.19

BOUND IONS	TOTAL	FREE
Calcium	3581	3504
Barium	2.94	2.94
Carbonate	1.01	0.0229
Phosphate	0.00	0.00
Sulfate	660.00	301.68

OPERATING CONDITIONS

Temperature (^oF)	75.00
Time(secs)	0.00

JACAM LABORATORIES
205 S. Broadway · P.O. Box 96 · Sterling, KS 67579-0096

DownHole SAT™ Water Analysis Report

JACAM LABORATORIES

SYSTEM IDENTIFICATION

3 BEAR ENERGY
Libby Berry Fed SWD
EDDY NM

Sample ID#: 5647
ID: 231259
Report Date: 07-16-2019
Sample Date: 07-02-2019
at 0000

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	3581
Magnesium(as Mg)	510.30
Barium(as Ba)	2.94
Strontium(as Sr)	327.90
Sodium(as Na)	39835
Potassium(as K)	685.00
Lithium(as Li)	0.00
Iron(as Fe)	0.145
Field Iron(as Fe)	0.00
Ammonia(as NH_3)	0.00
Aluminum(as Al)	0.00
Manganese(as Mn)	0.636
Zinc(as Zn)	0.00
Lead(as Pb)	0.00

ANIONS

Chloride(as Cl)	74493
Sulfate(as SO_4)	660.00
Bromine(as Br)	0.00
Dissolved CO_2(as CO_2)	280.00
Bicarbonate(as HCO_3)	181.50
Carbonate(as CO_3)	0.00
Silica(as SiO_2)	0.00
Phosphate(as PO_4)	0.00
H_2S (as H_2S)	171.00
Fluoride(as F)	0.00
Nitrate(as NO_3)	0.00
Boron(as B)	259.31

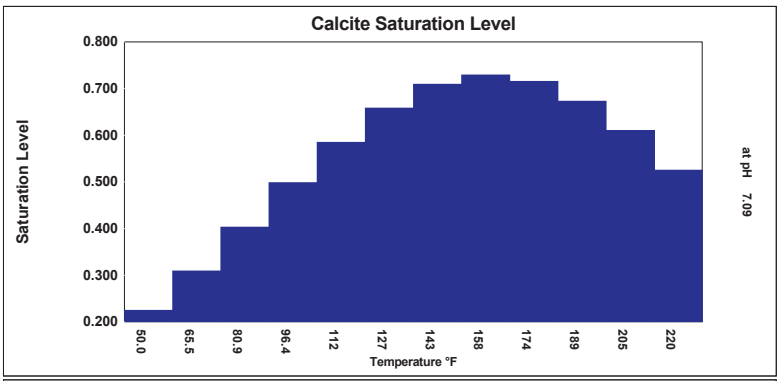
PARAMETERS

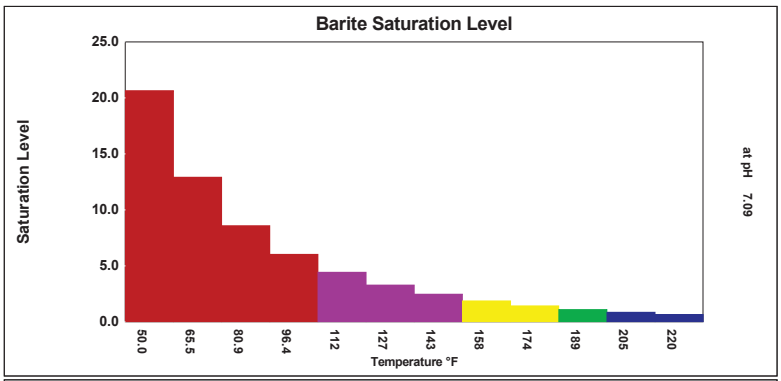
Temperature(°F)	75.00
T.D.S.	119313
Sample pH	7.09
Conductivity:	167681
Resistivity:	5.96

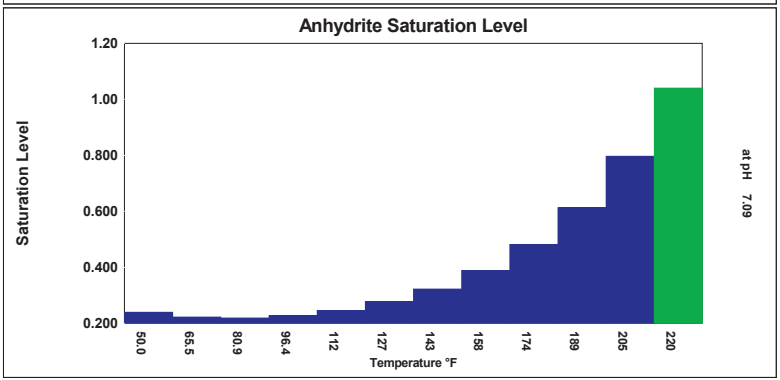
SCALE AND CORROSION POTENTIAL

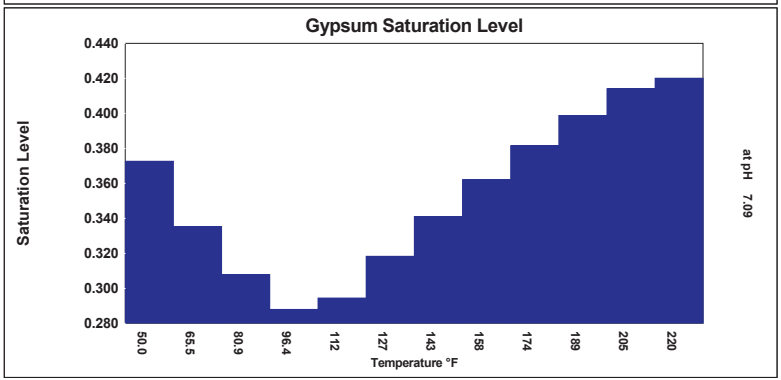
Temp. (°F)	Press. (atm)	Calcite $CaCO_3$		Anhydrite $CaSO_4$		Gypsum $CaSO_4*2H_2O$		Barite $BaSO_4$		Celestite $SrSO_4$		Siderite $FeCO_3$		Mackawenite FeS		CO_2 (mpy)	pCO_2 (atm)
50.00	0.00	0.225	-0.0342	0.239	-442.39	0.373	-276.48	20.64	1.66	0.927	-8.76	0.00710	-0.354	24.40	0.0132	0.0362	0.00950
65.45	0.00	0.309	-0.0269	0.222	-464.88	0.335	-310.89	12.90	1.60	0.834	-21.06	0.0110	-0.307	19.86	0.0128	0.0679	0.00950
80.91	0.00	0.403	-0.0208	0.219	-457.46	0.308	-337.56	8.57	1.54	0.797	-26.09	0.0159	-0.268	16.19	0.0124	0.0326	0.00950
96.36	0.00	0.498	-0.0158	0.226	-425.10	0.288	-356.72	6.02	1.45	0.787	-27.10	0.0218	-0.236	13.26	0.0120	0.0427	0.00950
111.82	0.00	0.585	-0.0120	0.245	-374.59	0.294	-335.65	4.42	1.34	0.788	-26.42	0.0282	-0.209	10.94	0.0115	0.0448	0.00950
127.27	0.00	0.658	-0.00911	0.276	-313.22	0.318	-293.09	3.28	1.21	0.786	-26.26	0.0347	-0.187	9.11	0.0109	0.0376	0.00950
142.73	0.00	0.709	-0.00724	0.322	-247.67	0.341	-258.83	2.47	1.03	0.779	-26.75	0.0405	-0.169	7.64	0.0103	0.0305	0.00950
158.18	0.00	0.729	-0.00637	0.388	-183.39	0.362	-231.24	1.87	0.805	0.769	-27.84	0.0449	-0.155	6.44	0.00966	0.0317	0.00950
173.64	0.00	0.715	-0.00637	0.482	-124.25	0.381	-209.08	1.43	0.517	0.756	-29.46	0.0470	-0.143	5.42	0.00893	0.0328	0.00950
189.09	0.00	0.673	-0.00704	0.612	-72.53	0.399	-191.38	1.10	0.154	0.739	-31.59	0.0468	-0.134	4.56	0.00811	0.0166	0.00950
204.55	0.00	0.610	-0.00815	0.796	-29.12	0.414	-177.43	0.851	-0.302	0.720	-34.22	0.0443	-0.128	3.81	0.00720	0.0139	0.00950
220.00	0.171	0.525	-0.0100	1.04	4.42	0.420	-173.97	0.653	-0.913	0.688	-39.58	0.0394	-0.125	3.56	0.00642	0.0189	0.0111
		xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels	xSAT	Lbs per 1000 Barrels		

Saturation Levels (xSAT) are the ratio of ion activity to solubility, e.g. $\{Ca\}\{CO_3\}/K_{sp}$. pCO_2 (atm) is the partial pressure of CO_2 in the gas phase.
Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.









NEW MEXICO OFFICE OF THE STATE ENGINEER
WATER WELL FILES – CP 00793 POD 1

Documents included:

NM Office of the State Engineer Transaction Summary
Declaration of Owner of Underground Water Rights

New Mexico Office of the State Engineer
Transaction Summary

DCL Declaration of a Water Right

Transaction Number: 535940 **Transaction Desc:** CP 00793 **File Date:** 07/21/1993

Primary Status: DCL Declared
Secondary Status: PRC Processed
Person Assigned: *******
Applicant: DANIEL C. BERRY

Events

	Date	Type	Description	Comment	Processed By
get images	07/21/1993	APP	Application Received	*	*******
	07/21/1993	FTN	Finalize non-published Trans.		*******
	12/23/2016	QAT	Quality Assurance Completed	DATA/SQ2	*******
	01/03/2017	QAT	Quality Assurance Completed	IMAGE	*******

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
CP 00793	0	3		PLS NON 72-12-1 LIVESTOCK WATERING

****Point of Diversion**

CP 00793 POD1		628932	3598270*

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

****Place of Use**

Q 256	Q 64	Q 16	Q 4	Sec	Tws	Rng	Acres	Diversion	Consumptive	Use	Priority	Status	Other Loc Desc
							0	3		PLS	12/31/1960	DCL	NO PLACE OF USE GIVEN

Remarks

"NO POWER. HAS NOT BEEN USED IN RECENT YEARS. PHILLIPS WELL."

Revised December 1975

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

Declaration of Owner of Underground Water Right

Capitan
BASIN NAME

Declaration No. CP-793 Date received July 21, 1993

STATEMENT

1. Name of Declarant Daniel C. Berry
   Mailing Address Box 160 Eunice
   County of Lea, State of New Mexico
2. Source of water supply shallow
   (artesian or shallow water aquifer)
3. Describe well location under one of the following subheadings:
   a. NW ¼ NW ¼ NE ¼ of Sec. 1 Twp. 21 S Rge. 32 E N.M.P.M., in Lea County.
   b. Tract No. _____ of Map No. _____ of the _____
   c. X = _____ feet, Y = _____ feet, N. M. Coordinate System _____ Zone in the _____ Grant.
   On land owned by Federal
4. Description of well: date drilled 1960's driller Phillips depth 1000' feet. outside diameter of casing 8" inches; original capacity unknown gal. per min.; present capacity 20 gal. per min.; pumping lift _____ feet; static water level _____ feet (above) (below) land surface; make and type of pump _____ make, type, horsepower, etc., of power plant _____ Fractitional or percentage interest claimed in well 100%
5. Quantity of water appropriated and beneficially used 3
   (acre feet per acre) (acre feet per annum)
   for stock watering purposes.
6. Acreage actually irrigated _____ acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

7. Water was first applied to beneficial use _____ month _____ day 1960's year and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows: _____
8. Additional statements or explanations No power. Has not been used in recent years. Phillips Well

_____ being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

Daniel C. Berry, declarant.

by: _____

Subscribed and sworn to before me this 20th day of July, A.D. 1993

My commission expires Sept 18, 1993 Notary Public

POD Renumbered
From: CP-793
To: CP-793 POD 1

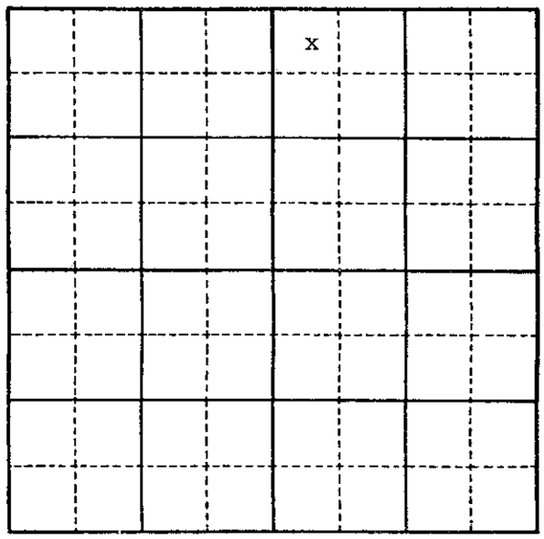
FILED
UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM. ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

93 JUL 21 PM 4 08

535940

Locate well and areas actually irrigated as accurately as possible on following plat:

Section (s) 1, **Township** 21, **Range** 32 **N. M. P. M.**



INSTRUCTIONS

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a **$1.00 filing** fee. Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

Sec. 4. Fill out all blanks applicable as fully as possible.

Sec. 5. Irrigation use shall be stated in acre feet of water per acre per year applied on the land. If used for domestic, municipal. or other purposes, state total quantity in acre feet used annually.

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest 2½ acre subdivision. If located on unsurveyed lands. describe by legal supdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.

Sec. 7. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.

Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

5F

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ
STATE ENGINEER

ROSWELL

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

July 27, 1993

Files: CP-793; CP-794; CP-795; CP-796;
CP-797; CP-798; CP-799; CP-800;
CP-801; CP-802; CP-803; CP-804

Daniel C. Berry
Box 160
Eunice, NM 88231

Dear Mr. Berry:

Enclosed are your copies of Declarations of Owner of Underground Water Right as numbered above, which have been filed for record in the office of the State Engineer.

Please refer to these numbers in all future correspondence concerning these declarations.

The filing of these declarations does not indicate affirmation or rejection of the statements contained therein.

Yours very truly,

Johnny R. Hernandez
Lea County Basin Supervisor

JRH/fh
Encls.

cc: Santa Fe

'93 JUL 29 AM 11 49

REQUEST FOR PERMISSION TO SAMPLE GROUNDWATER FROM WATER WELLS

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 1, 2022,

Daniel C. Berry
P.O. Box 160
Eunice, NM 88231

RE: WATER SAMPLE (CP 00793 POD 1, CP00794 POD 1, CP00795 POD 1) STATUS INQUIRY AND REQUEST FOR GROUNDWATER SAMPLE

Mr. Daniel Berry or To Whom it May Concern:

On behalf of 3Bear Field Services (3Bear), we (Geolex, Inc.®) are contacting you in hopes that you may provide us with information regarding the current operational status of water wells in which Daniel C. Berry is the owner of record. If the current state of these wells permit, we respectfully request permission to collect and analyze a groundwater sample from one of these wells.

As recorded in the files of the New Mexico Office of the State Engineer (NMOSE), the file numbers for the wells of interest are CP 00793 POD 1, CP00794 POD 1, and CP00795 POD 1, with documented locations in Sections 1 and 18 of Township 21 South, Range 33 East. The table below summarizes each well's location information.

POD #	Section	Twn.	Rng.	Lat (NAD83)	Long. (NAD83)	Depth (ft)
CP 00793 POD 1	1	21S	32E	32.514259	-103.627334	1000
CP 00794 POD 1	18	21S	33E	32.483429	-103.616692	160
CP 00795 POD 1	18	21S	33E	32.483429	-103.616692	170

3Bear Field Services is requesting permission to sample and analyze groundwater from one or two of these wells, in order to provide the New Mexico Oil Conservation Division (NMOCD) with required groundwater data in the area of 3Bear's proposed Lombard State SWD #1 well. This saltwater disposal well is to be located in Section 6 of Township 21 South, Range 33 East.

If you have any questions concerning this inquiry or would like to further discuss our request, you may contact Alberto A. Gutiérrez, C.P.G., or David White, P.G. at (505) 842-8000 at Geolex, Inc.®; 500 Marquette Avenue NW, Suite 1350; Albuquerque, New Mexico.

Sincerely,
Geolex, Inc.®

David A. White, P.G.
Project Manager – Consultant to 3Bear Field Services

Y:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\2022 C-108 Resubmittal\Notifications\Berry Water Sample Request.docx

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Eunice, NM 88231

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- ☐ Certified Mail Restricted Delivery $ $0.00
- ☐ Adult Signature Required $ $0.00
- ☐ Adult Signature Restricted Delivery $ $0.00

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Total Postage and Fees
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(18-025)
USPS

Sent To
DANIEL C. BERRY

Street and Apt. No., or PO Box No.
P.O. Box 1600

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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Sat 02/05/2022			
Certified Mail®			$3.75
Tracking #:			
70161970000082509931			
Return Receipt			$3.05
Tracking #:			
9590 9402 4063 8079 3981 53			
Total			$7.38

Grand Total: $7.38

Credit Card Remitted $7.38
Card Name: VISA
Account #: XXXXXXXXXXXX4095
Approval #: 09454C
Transaction #: 111
AID: A0000000031010 Chip
AL: VISA CREDIT
PIN: Not Required CHASE VISA

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Clerk: 7

GEOLEX®
INCORPORATED

April 15, 2020

VIA U.S. POSTAL SERVICE

Daniel C. Berry
P.O. Box 160
Eunice, NM 88231

RE: WATER WELL (CP 00793 POD 1) STATUS INQUIRY AND REQUEST FOR GROUNDWATER SAMPLE

Mr. Daniel Berry or To Whom It May Concern:

On behalf of 3Bear Field Services, we (Geolex, Inc.®) are contacting you in the hopes that you may provide us with information regarding the current operational status of a water well in which Daniel C. Berry is documented as the owner of record. If the current state of the well permits, we respectfully request permission to collect and analyze a groundwater sample from this well.

As recorded in the files of the New Mexico Office of the State Engineer (NMOSE), the well file number is CP 00793 and the well location is recorded as NW/4 NW/4 NE/4 of Section 1, Township 21S, Range 32E (Approx. NAD83 coordinates: 32.514259, -103.627334).

3Bear Field Services is requesting permission to sample and analyze groundwater from this well, in order to provide the New Mexico Oil Conservation Division (NMOCD) with required groundwater data in the area of 3Bear's proposed Lombard SWD #1 well. This saltwater disposal well is to be located in Section 6 of Township 21S, Range 33E.

If you have any questions concerning this inquiry or would like to further discuss our request, you may contact Alberto Gutiérrez R.G., or David White at (505)842-8000 at Geolex, Inc.®; 500 Marquette Avenue NW, Suite 1350; Albuquerque, New Mexico.

Sincerely,
Geolex, Inc.®

David A. White, M.S.
Project Manager, Senior Geologist
Consultant to 3Bear Field Services, LLC

C:\Users\dawhi\OneDrive\Desktop\3Bear Revisions\Attachment 3\Berry Correspondence (3Bear Revisions).docx

phone: 505-842-8000
fax: 505-842-7380

500 Marquette Avenue, NW, Suite 1350
Albuquerque, New Mexico 87102

email: dwhite@geolex.com
web: www.geolex.com