Initial Application Part I

Received 3/11/20

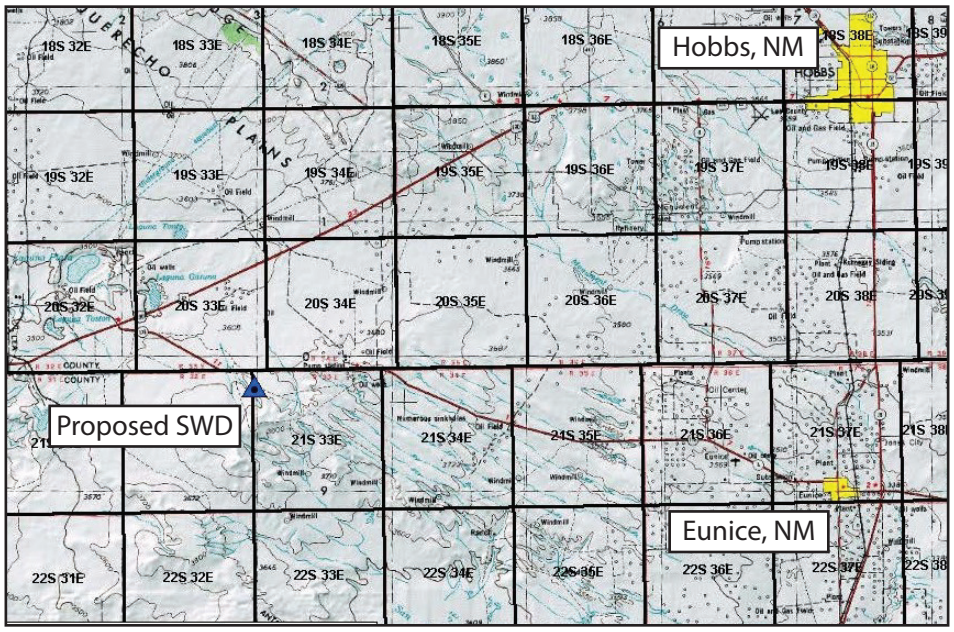
This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

PROPOSED 3BEAR LOMBARD SWD #1
APPLICATION FOR ADMINISTRATIVE AUTHORIZATION TO INJECT

LOMBARD SWD #1

Surface Location: 259' FWL, 3,882' FNL, Section 6, T21S, R33E
Coordinates (NAD83): Latitude: 32.511680, Longitude: -103.61900

Lea County, New Mexico



February 21, 2020

Prepared for:

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

Prepared by:

Geolex®, Inc.
500 Marquette Ave, Suite 1350
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3EO6Y-200311-C-1080

Revised March 23, 2017

RECEIVED: 3/11/20	REVIEWER: BLL	TYPE: SWD	APP NO: pBL2007231368

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: 3BEAR FIELD SERVICES, LLC **OGRID Number:** 372603
Well Name: LOMBARD SWD #1 **API:** NEW WELL
Pool: N/A **Pool Code:** N/A

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

SWD-2378

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.

Alberto A. Gutiérrez, R.G. (Consultant to 3Bear)
Print or Type Name

Signature

February 21, 2020
Date

505-842-8000
Phone Number

aag@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 A. Gutiérrez, R.G. - Geolex, Inc. 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? ___ Yes X No
If yes, give the Division order number authorizing the project: N/A

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

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: Alberto A. Gutiérrez TITLE: President - Consultant to 3Bear

SIGNATURE:  DATE: 2/21/2020

E-MAIL ADDRESS: aag@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

Side 2

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 a complete C-108 application for administrative approval to drill, complete, and operate a saltwater disposal well (Lombard SWD #1) in Section 6, T21, R33E (32.51168, -103.61900 NAD83), approximately 31 miles southwest of Hobbs in Lea County, New Mexico (Figure 1).

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 local producers in the area (Figure 2). 3Bear intends to inject a maximum of 25,000 barrels per day (bpd) with an anticipated average of 20,000 bpd through the proposed well.

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, collection of cement bond logs for all casing strings.

The proposed injection zone will target the Devonian and Upper Silurian Wristen and Fusselman formations, as well as, the upper Ordovician Montoya Formation 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.

In the area of Lombard SWD #1, the proposed injection interval is overlain by a thick interval of dense Woodford Shale (approx. 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 39 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, 7 are active and 6 are plugged. Additionally, there are 26 locations permitted, but have not yet been drilled or completed. Within one-half mile of the proposed disposal 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 documents (included in Appendix A) record that plugging operations for this well 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 affected by the operation of Lombard SWD #1.

The area surrounding the proposed injection site 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 three water wells 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 plant site
- The depths of perforated pay intervals in those wells relative to the depth of the target injection zone (Devonian, Wristen, Fusselman, and Montoya 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 communicate 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 is a safe and environmentally-sound project for the disposal of produced water.

2.0 INTRODUCTION AND ORGANIZATION OF 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 land owners 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 radius of the proposed Lombard SWD #1
- Appendix B: Tables summarizing the operators, lessees, surface owners, and other interested parties within one-half mile of the proposed SWD well, copies of notice letters and certified mail receipts, 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 (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 3Bear's activities servicing producers in the area. 3Bear anticipates an 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, and other nearby wells, are 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 will be completed as an open-hole 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 approximately 1,600 feet. The first intermediate casing (13.375-inch) will be set through the salt to approximately 5,650 feet within the Cherry Canyon Formation. The second intermediate 9.625-inch casing will be advanced to 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 cap-rock strata; and 3) a total depth (TD) ensuring accurate identification of the target reservoir.

A suitable drilling rig will be chosen for the job that will include appropriate blowout preventer and choke-manifold system for any unforeseen pressures encountered. Visual inspections of cement returns 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 recorded 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	94	J55	BTC	0	1600	1600
1st Intermediate	17-1/2	13-3/8	68	J55	BTC	0	5650	5650
2nd Intermediate	12-1/4	9-5/8	40	HCL-80	BTC	0	11530	11530
Production Liner	8-3/4	7-5/8	39	P-110	TSH	11330	15535	4205
Injection Tubing								
Tubing	-	5-1/2		L80	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 an approximately depth of 15,535 feet within the top of the Devonian Thirty-one Formation. A 7.625-inch production liner will be set from approximately 11,330 feet and 15,535 feet, overlapping approximately 200 feet with the 2nd intermediate casing interval. 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 5-1/2" injection tubing set at a depth of 15,535 feet.

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 #	Cement Type	Yield (ft3/sk)	Coverage Interval
Conductor	1	RediMix	-	0' – 75'
Surface	1	Lead: Econocem HLC Tail: HalCem C	Lead: 1.892 Tail: 1.343	0' – 1600'
1st Intermediate	1	Lead: Econocem HLC Tail: HalCem C	Lead: 1.892 Tail: 1.35	0' – 6700'
2nd Intermediate	1	Lead: NeoCem Tail: NeoCem	Lead: 2.731 Tail: 1.439	5650' – 11530'
2nd Intermediate	2	Lead: NeoCem Tail: HalCem C	Lead: 2.806 Tail: 1.35	0' – 5650'
Production Liner	1	Lead: NeoCem Tail: VersaCem	Lead: 2.733 Tail: 1.223	11505' – 15535'

3.2 GEOPHYSICAL LOGGING AND RESERVOIR TESTING

Open-hole geophysical logging will be performed for the interval underlying the 2nd intermediate casing (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 the 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 operational conditions have been identified, the final 5-1/2" tubing string and permanent injection packer will be run in and set at a depth of approximately 15,535 feet.

3.2 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 barrels per day (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/ft.)
D_{Top} = Depth at top of injection zone (ft.)

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 targeted 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 requests 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, T21S, R33E 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 well are located in the northern portion of the Delaware Basin, a sub-basin of the larger, encompassing Permian Basin (Figure 4), which covers 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 illustrates a generalized Permian Basin stratigraphic column showing the anticipated formations 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 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 Formation sandstones and tight limestones, as well as approximately 180 feet of basal Montoya cherty carbonates.

The Silurian Fusselman and Wristen, and Devonian Thirty-one formations overlie the Montoya Formation, 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 is a gas-producing zone, with smaller contributions from the Atoka and Strawn. The proposed Silurian-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 tops for Lombard SWD #1 and illustrates the sufficient 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 190 feet of dense Woodford shale overlain by at least 800 feet of tight Mississippian limestone (Figures 6 and 7). These units will provide an excellent geologic seal above the porous carbonates of the injection zone providing protection to 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 limestones (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 two faults identified during a review 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 CHEMISTRY OF THE RESERVOIR FLUIDS

A review of formation waters from the U.S. Geological Survey National Produced Waters Geochemical Database, v. 2.3 (retrieved on December 22, 2019) identified five wells with analyses of fluid samples collected from the Siluro-Devonian interval. These samples were collected from wells within approximately 15 miles of the proposed Lombard SWD #1 (Section 6, Township 21 South, Range 33 East). Table 3 below summarizes the observed formation fluid characteristics.

Table 3. Summary of produced water analyses from nearby wells (U.S. Geological Survey National Produced Water Geochemical Database v. 2.3)

API	CONCENTRATION (parts per million)						
	TDS	Sp. Gravity	Ca	Cl	Mg	Na	SO_4
3002508483	74490	1.048					
3001505819	24702	1.016					
3002502432	47197	1.031					
3002520377	46170	1.03					
3002502431	34149	1.022					

NOT ANALYSED IN THESE WELLS

These analyses show Total Dissolved Solids (TDS) in the area of the proposed SWD well ranging from 24,702 to 74,490 parts per million (ppm) with an average of 45,341 ppm. The USGS produced water database does not include laboratory results identifying major chemical constituents of the samples, however, chloride ions are typically the primary constituent of produced water samples in this region of the Permian Basin.

An attempt will be made to sample formation fluids during drilling and completion of the proposed Lombard SWD #1 to provide more site-specific fluid properties.

Based on these data, the Siluro-Devonian reservoir fluids are compatible with produced waters from wells in the area of Lombard SWD #1.

4.5 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, there are three 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 has a total depth of 1,000 feet (Figure 8; Table 4). The remaining wells within the two-mile radius are shallow, collecting water from approximately 160 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 4-string casing design including a surface casing interval that extends to 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 4. Water wells within one mile of the proposed 3Bear Lombard SWD #1 (retrieved from the New Mexico Office of the State Engineer's Files on 02/19/2020)

POD #	Source	Sec.	Twn.	Rng.	Lat. (NAD83)	Long. (NAD83)	Distance (miles)	Depth (feet)
CP 00793 POD 1	CP	1	21S	32E	32.514259	-103.627334	0.52	1000
CP 00794 POD 1	CP	18	21S	33E	32.483429	-103.616692	1.95	160
CP 00795 POD 1	CP	18	21S	33E	32.483429	-103.616692	1.95	170

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

4.6 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 Lombard SWD #1. This estimate 1) models the impact of eight waste disposal wells over a 30-year injection 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 (Fairfield – Red Tank Survey) data covering the Lea County area of interest. Based on this review, Geolex identified three subsurface faults in the area of the proposed Lombard SWD #1. Two faults are located greater than three miles west of the proposed well and the remaining feature lies greater than six miles east of the well location (Figure 9). All observed faults in the area strike approximately north to south. Due to the location of faults relative to other active and proposed injection wells in the area, it is anticipated that these features will not pose any elevated risk to injection-induced slip as they are separated from active areas of injection by several miles. To verify these structures would not be affected by approval of the proposed Lombard SWD #1, a model simulation was performed to quantify the risk associated with injection operations in the area of the proposed well.

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 area included in Table 5 below. Additionally, Table 6 details the injection volume characteristics and locations of the disposal wells modeled in this scenario. For wells in which the maximum anticipated injection volumes were not available through review of NMOCD documentation, 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 20,000 to 30,000 bpd (Table 6). Additionally, the simulation period was increased to 35 years in order to include the reservoir effects of disposal wells that are currently and have been in operation since 2015. This approach yields a more conservative model prediction that ensures the 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 no potential for injection-induced slip and the proposed Lombard SWD #1 is not predicted by the model to contribute significantly to the probability of slip. All features included in the model simulation show no increase in slip potential throughout the total modeled injection period (Figure 10). Table 7 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 fault.

In summary, no structures included in the modeled simulations experience any increase in slip potential and modeled pressure increases along faults after at least 30 years fall significantly short of the required pressure increase to induce slip. Furthermore, radial pressure solutions calculated for each modeled injection well illustrate that the operation of the proposed Lombard SWD #1 will have little impact on conditions near the identified faults in the area.

Table 5. 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 ft^{-1}	Nearby well estimate
Max Horizontal Stress Direction	N75E	5	Deg.	Lund Snee & Zoback, 2018
Reference Depth	15,550		ft	Nearby well evaluation
Initial Res. Pressure Gradient	0.43	0.043	psi ft^{-1}	Lund Snee & Zoback, 2018
A_Φ Parameter	0.6	0.06	-	Lund Snee & Zoback, 2018
Reference Friction Coefficient (μ)	0.6	0.06	-	Standard Value
Hydrologic				
Aquifer Thickness	1200	100	ft	Nearby well evaluation
Porosity	4	1	%	Nearby well evaluation
Permeability	10	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 6. Location and characteristics of injection wells modeled in the FSP assessment

#	API	Well Name	Latitude	Longitude	Volume (bbls/day)	Start (year)	End (year)
1	TBD	Lombard SWD #1	32.511680	-103.619000	25000	2020	2050
2	3002542527	Corazon 4 State SWD #2	32.512685	-103.577069	25000	2015	2050
3	3002545324	Athena 28 #1	32.545348	-103.572712	25000	2020	2050
4	3002545815	Dagger State #1	32.449928	-103.60744	25000	2020	2050
5	3002543474	Lightning 1 State #2	32.510828	-103.52677	25000	2017	2050
6	3002543535	Okerlund SWD #1	32.489948	-103.710492	20000	2020	2050
7	3002544189	Okeanos SWD #1	32.524504	-103.520697	25000	2020	2050
8	3002544273	Zeus SWD #1	32.428628	-103.638033	30000	2018	2050

Table 7. Summary of model-simulation results showing the required pressure change to induce fault slip, actual change in pressure as predicted by the FSP model, probability of fault slip at the end of the 30-year injection scenario, and fault slip probability when the proposed SWD is excluded

Fault Segment #	ΔPressure necessary to induce fault slip	Actual ΔPressure at fault midpoint at 2050	Fault Slip Potential at 2050
1	3455 psi	26 psi	0.00
2	4783 psi	73 psi	0.00
3	5745 psi	164 psi	0.00
4	5034 psi	598 psi	0.00
5	5634 psi	579 psi	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-half and one-mile radius of the proposed Lombard SWD #1. These wells are shown in figures A-0 and A-1 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 area included in Table 8 below.

In total, there are 39 wells within a one-mile radius of the proposed Lombard SWD #1 (Appendix A, Figure A-1, Table A-1). Of these wells, there are 7 active, 6 plugged, and 26 permitted. Active and planned wells primarily target Bone Springs and Wolfcamp pools, however, three gas wells were identified producing the Morrow Formation.

Within one-half mile of the proposed SWD there are 24 wells, of which, 2 are active and 2 are plugged (Figure A-0, Figure A-1, Table 8). Additionally, there are 20 locations permitted, but have not yet been drilled or completed.

Table 8. 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	Shepard Federal	-	Plugged	32.509724	-103.621956	3496	0.22
3002536596	Straw Hat State #1	Morrow	Active	32.511143	-103.614952	14504	0.24
3002544776	Toque State COM #201H	B. Spring	New	32.507488	-103.618807	-	0.29
3002544779	Toque State COM #301H	B. Spring	New	32.507487	-103.618710	-	0.29
3002544811	Minis 1 FED COM 3BS #6H	B. Spring	New	32.512579	-103.623871	11530	0.29
3002544783	Toque State COM #401H	B. Spring	New	32.507032	-103.618741	-	0.32
3002544786	Toque State COM #503H	B. Spring	New	32.507684	-103.615775	-	0.33
3002544790	Toque State COM #702H	Wolfcamp	New	32.507684	-103.615872	-	0.33
3002544778	Toque State COM #202H	B. Spring	New	32.507560	-103.615774	-	0.34
3002544780	Toque State COM #302H	B. Spring	New	32.507561	-103.615872	-	0.34
3002544781	Toque State COM #303H	B. Spring	New	32.507560	-103.615677	-	0.34
3002527659	Minis Federal COM #1	Morrow	Active	32.513233	-103.625160	14000	0.38
3002544785	Toque State COM #502H	B. Spring	New	32.507592	-103.614428	-	0.39
3002544788	Toque State COM #602H	B. Spring	New	32.507591	-103.614331	-	0.39
3002544148	Toque State COM #501H	B. Spring	New	32.507590	-103.614136	-	0.40
3002544787	Toque State COM #601H	B. Spring	New	32.507590	-103.614039	-	0.40
3002544789	Toque State COM #701H	Wolfcamp	New	32.507590	-103.614234	-	0.40
3002544784	Toque State COM #402H	B. Spring	New	32.507676	-103.613293	-	0.43
3002544791	Toque State COM #703H	Wolfcamp	New	32.507676	-103.613391	-	0.43
3002536957	Imperial 6 Federal #1	-	New	32.517765	-103.616592	-	0.44
3002544777	Toque State COM #203H	B. Spring	New	32.507552	-103.613196	-	0.44
3002544782	Toque State COM #304H	B. Spring	New	32.507552	-103.613293	-	0.44
3002544792	Toque State COM #704H	Wolfcamp	New	32.507678	-103.613196	-	0.44
3002502608	ETZ Federal #1	-	Plugged	32.513348	-103.626236	16396	0.44

There is one well within the one-half mile radius of the proposed SWD that penetrates the anticipated injection interval (Table 9). The ETZ Federal #1 well was drilled to a total depth of 16,396 feet in October 1955 by Phillips Petroleum. Available NMOCD documentation for this well (Appendix A) show that plugging operations began on June 20, 1956 and were completed on July 5, 1956.

Table 9. Wells located within one mile of Lombard SWD #1 that penetrate the targeted injection interval

API	Well Name	Pool	Status	Lat. (NAD83)	Long. (NAD83)	Total Depth (ft.)	Miles from SWD
3002502608	ETZ Federal #1	-	Plugged	32.513348	-103.62636	16396	0.44

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

Geolex and 3Bear Field Services 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. Appendix B includes the results of those inquiries.

Table B-1 summarizes the operators, lessees, and surface owners in the one-mile area of interest. Table B-2 includes a compiled list of all persons who were provided notice of 3Bears intent to submit this C-108 application. Figures B-1 and B-2 illustrate areas held by operators and lessees/surface owners, respectively.

Copies of all individual notice letters, certified mail receipts, and copies of the newspaper 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. The 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. Base 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 above 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.

Alberto A. Gutiérrez, R.G.
President
Geolex, Inc.®

Signature: _____ Date: 2/21/2020

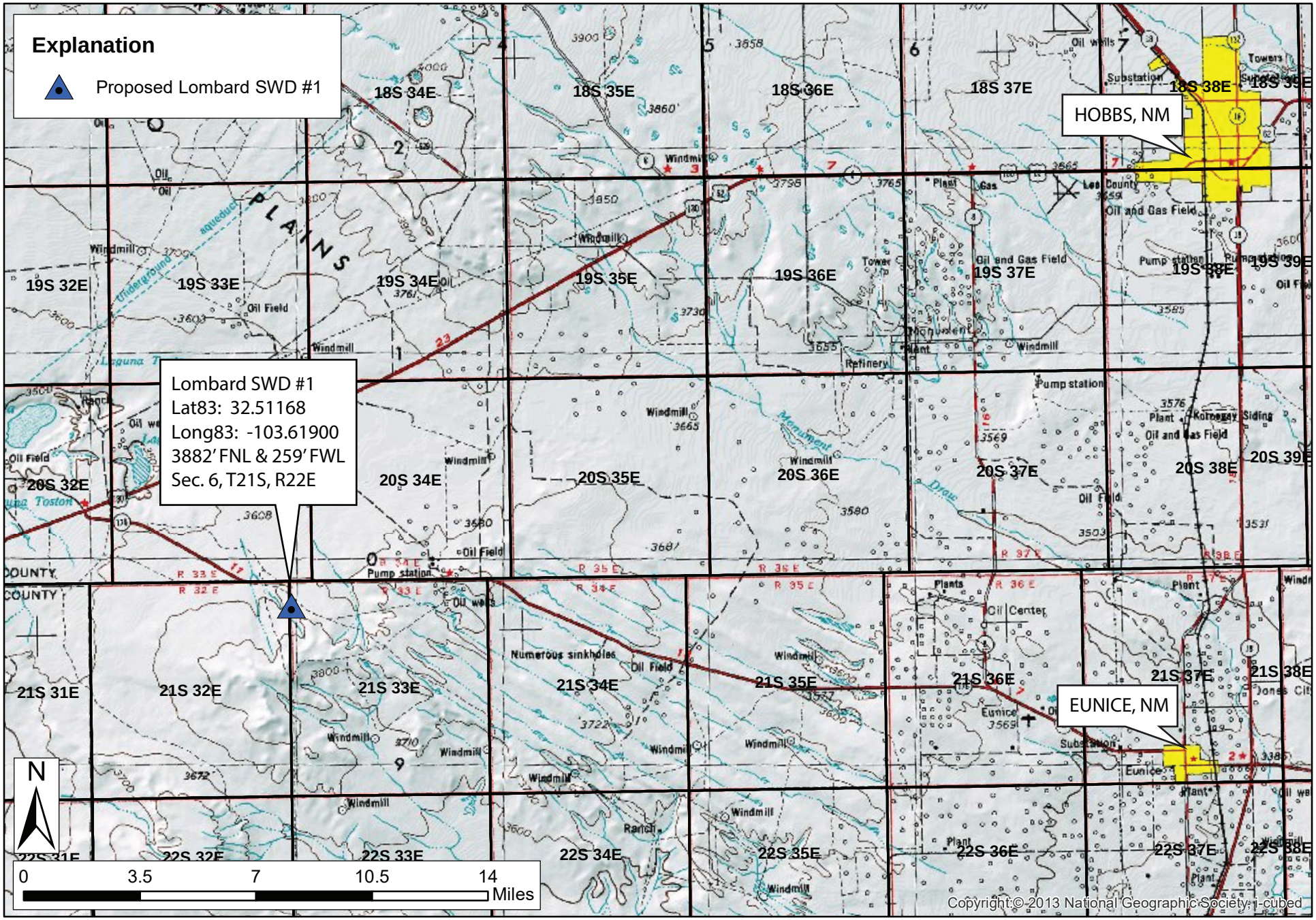

Figure 1. General location map for proposed well in Section 6 (T21S, R33E) located approximately 31 miles southwest of Hobbs, New Mexico

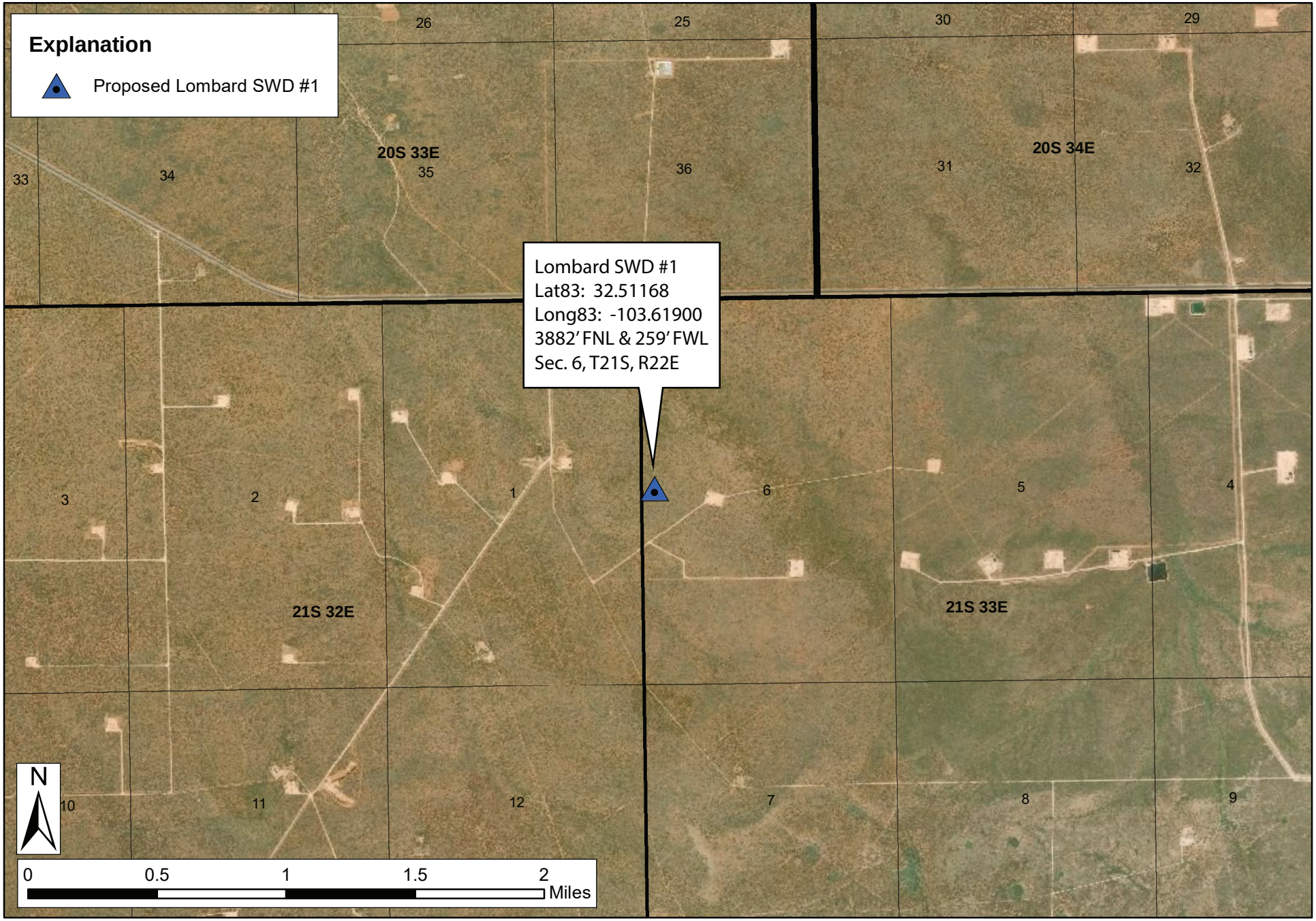

Figure 2. Detailed location map showing the anticipated Lombard SWD #1 location and 3Bear Energy surface facilities

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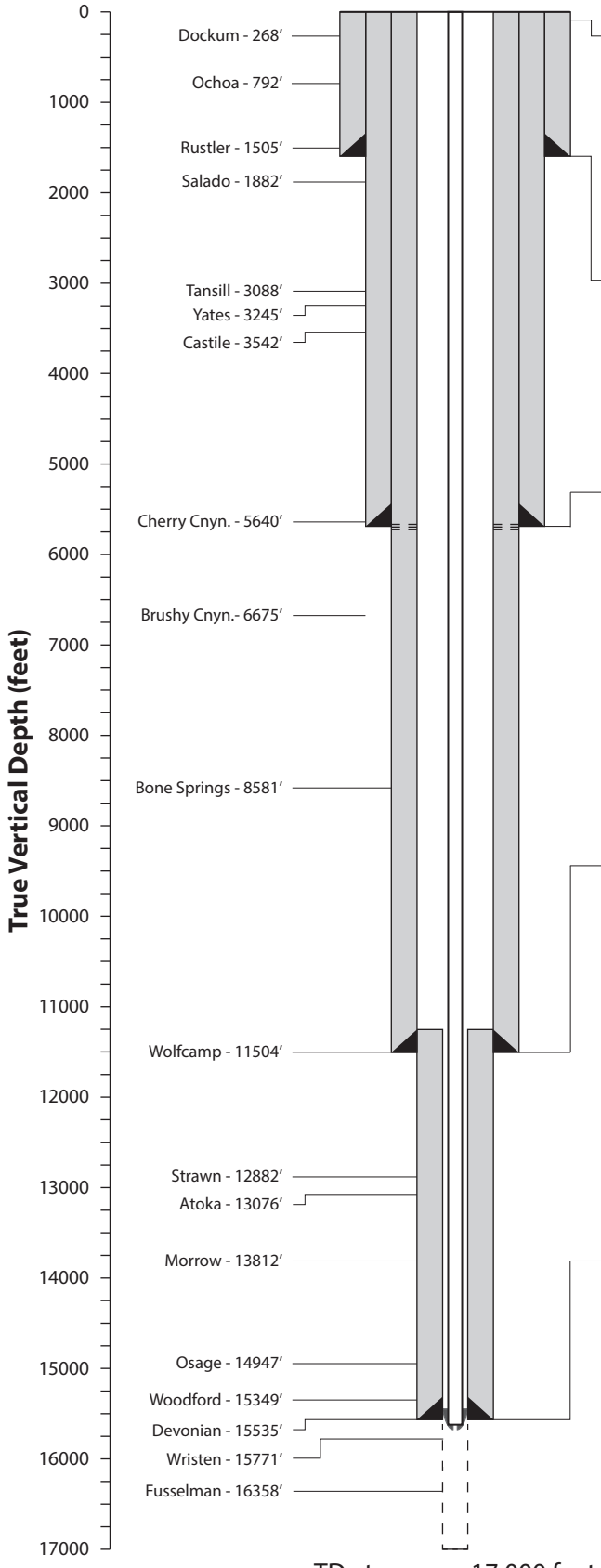
FIGURE 3
LOMBARD SWD #1
PRELIMINARY WELL SCHEMATIC

3Bear Energy



30" CONDUCTOR PIPE to 75'

SURFACE CASING 26" OH

ISOLATES AND PROTECTS WATER RESOURCES

20", 94.0 #/ft., J55, 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", 68 #/ft., J55 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", 40 #/ft., HCL-80 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., P-110 TSH 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" 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

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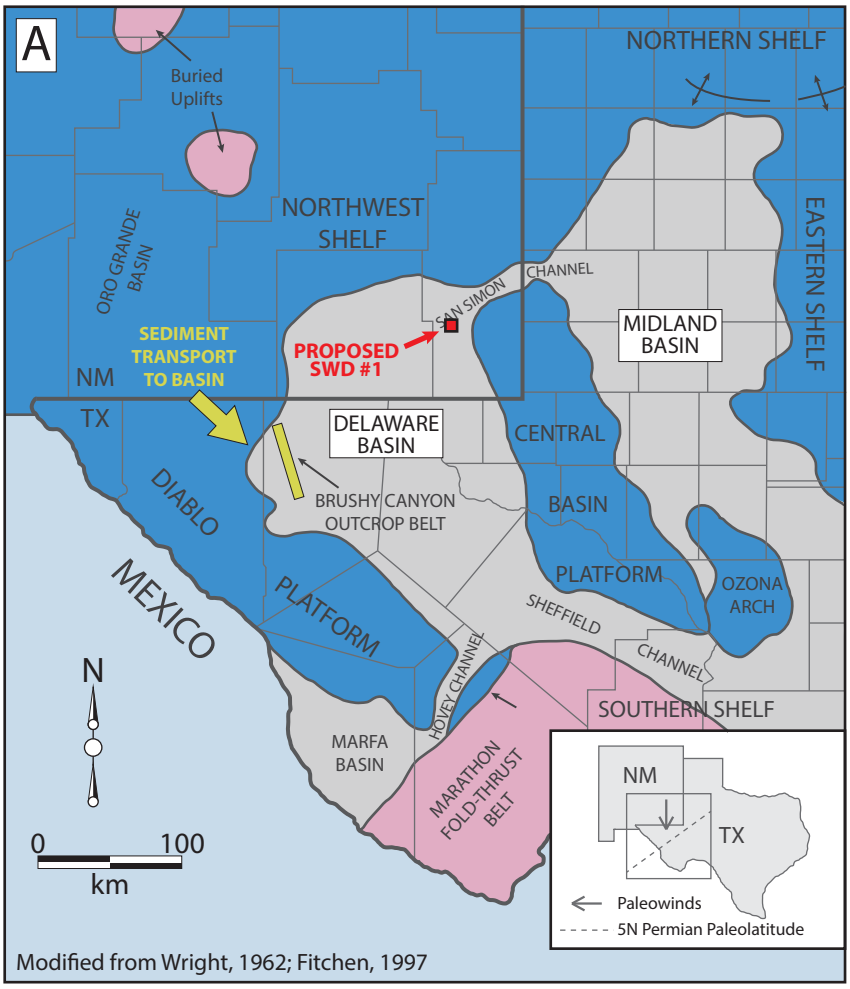

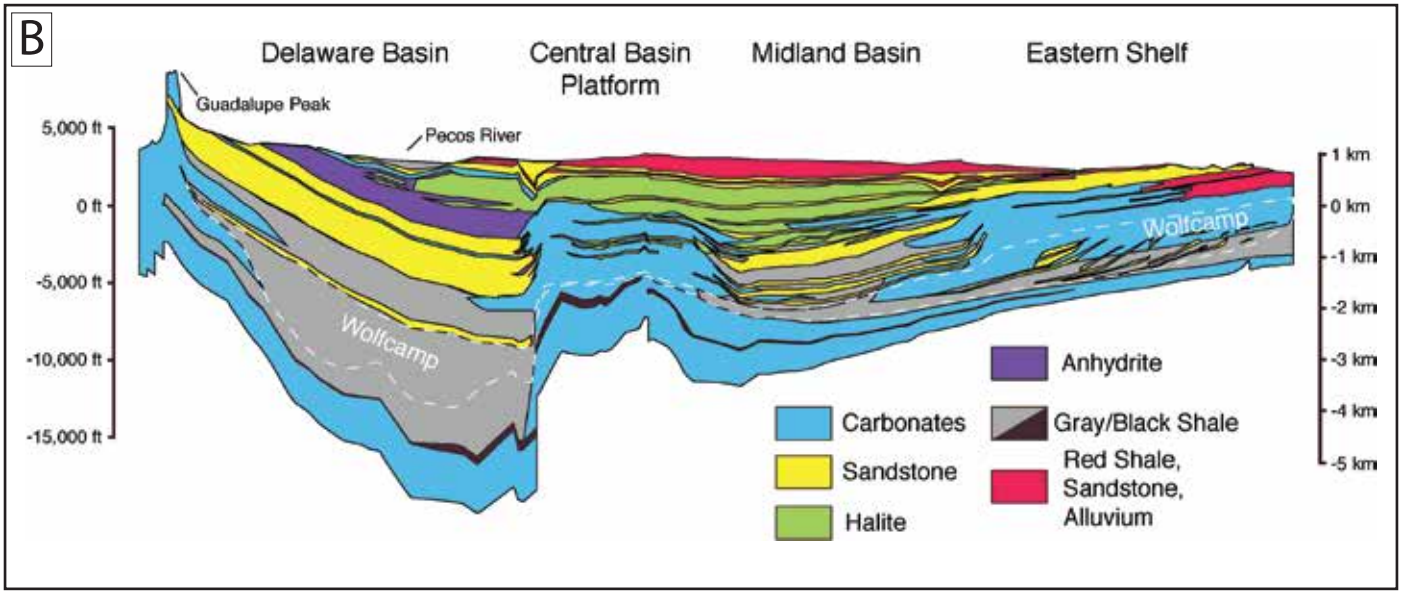

Figure 4. Structural setting (panel A) and general lithologies (panel B) of the Permian Basin

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)

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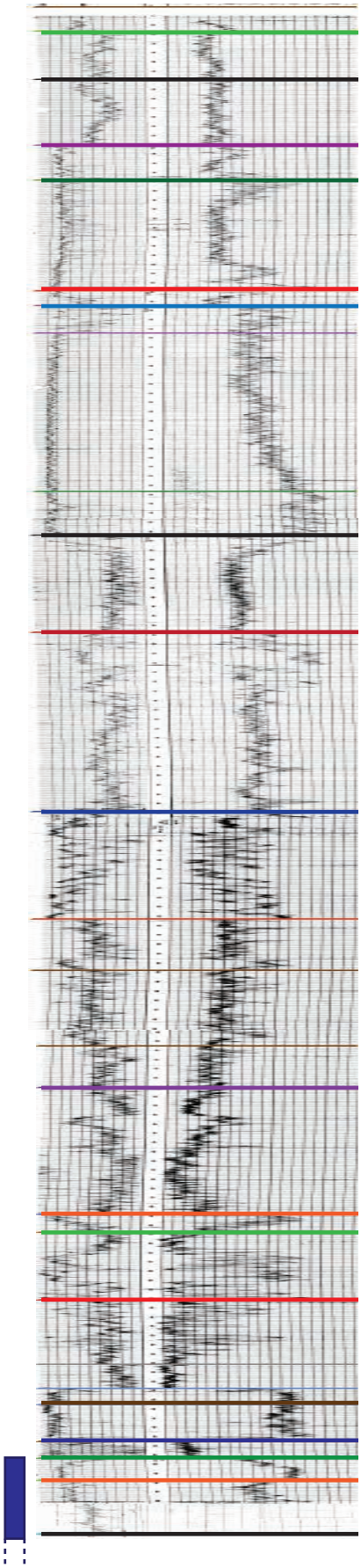
Figure 6. Type log illustrating the anticipated formation tops in the area of the proposed Lombard SWD #1. The targeted Siluro-Devonian injection zone is overlain by adequate caprock comprised of low-porosity, low-permeability Woodford Shale and overlying Mississippian (Osagean) carbonates.

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)

3Bear Energy

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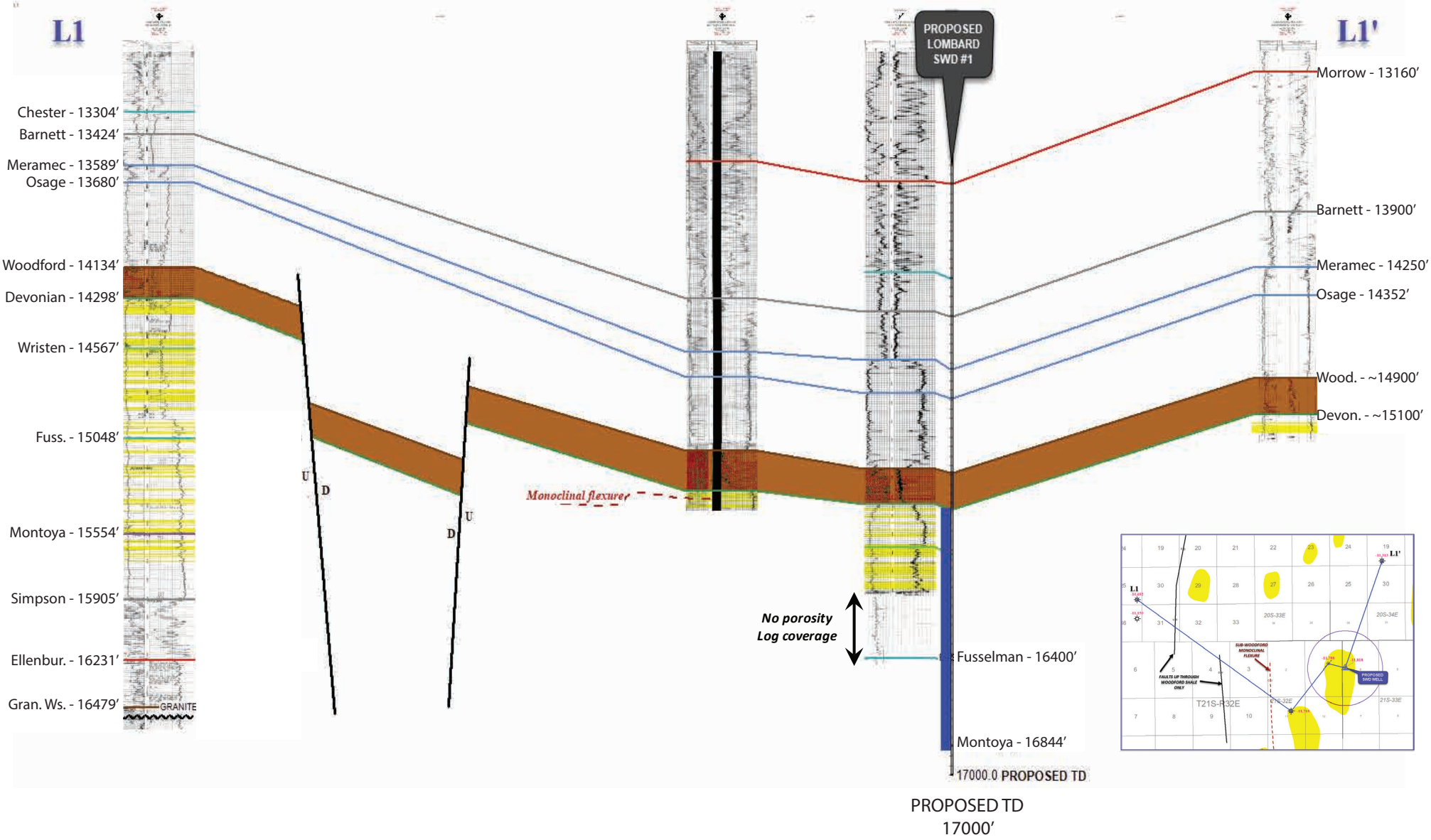

Figure 7. Structural cross section L1-L1' showing porosity profile within the proposed injection interval and regional extent of overlying caprock material. Two faults were identified in the area of the proposed Lombard SWD #1 and are discussed in greater detail in Section 4.6.

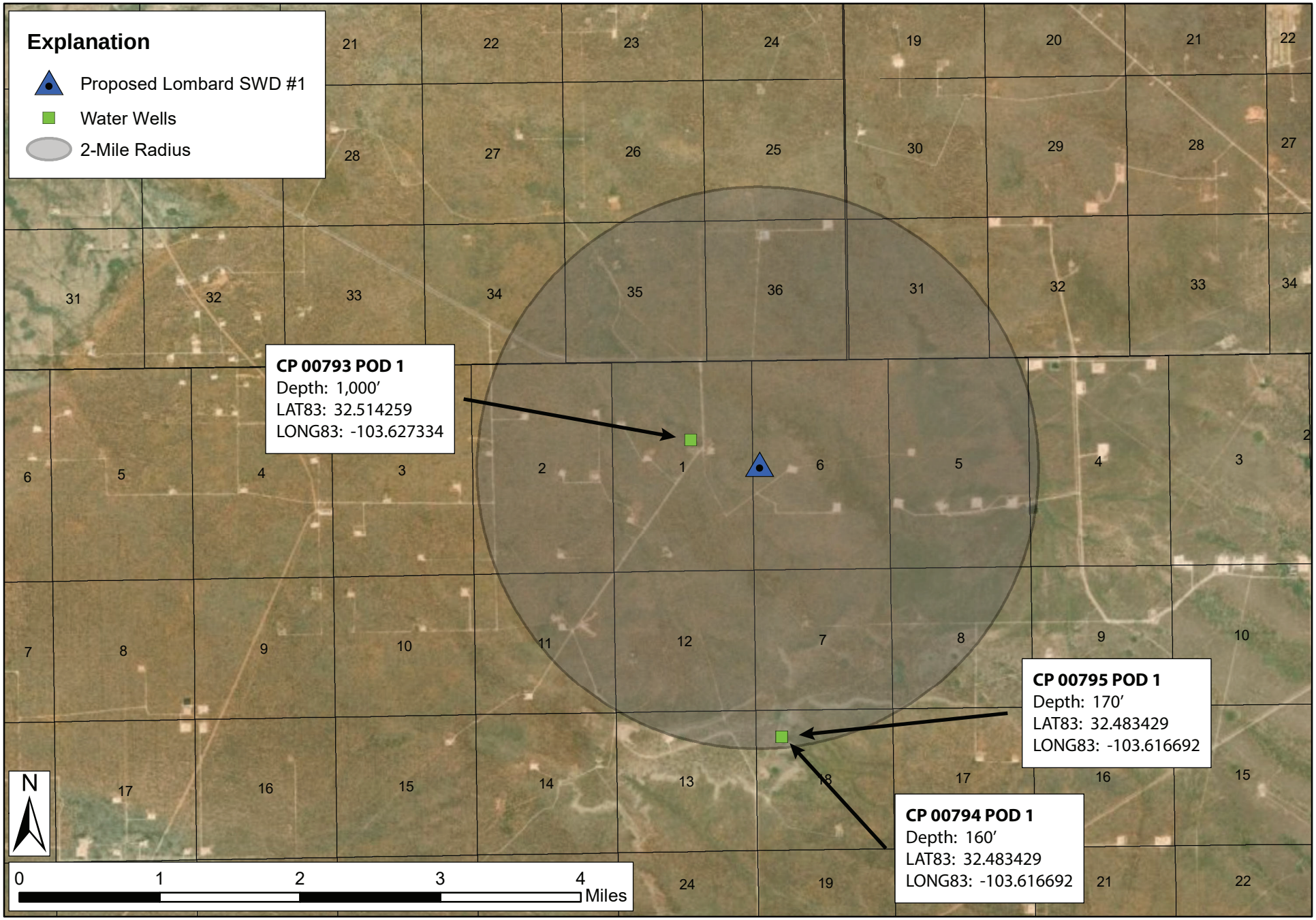

Figure 8. Water wells in the vicinity of the proposed Lombard SWD #1

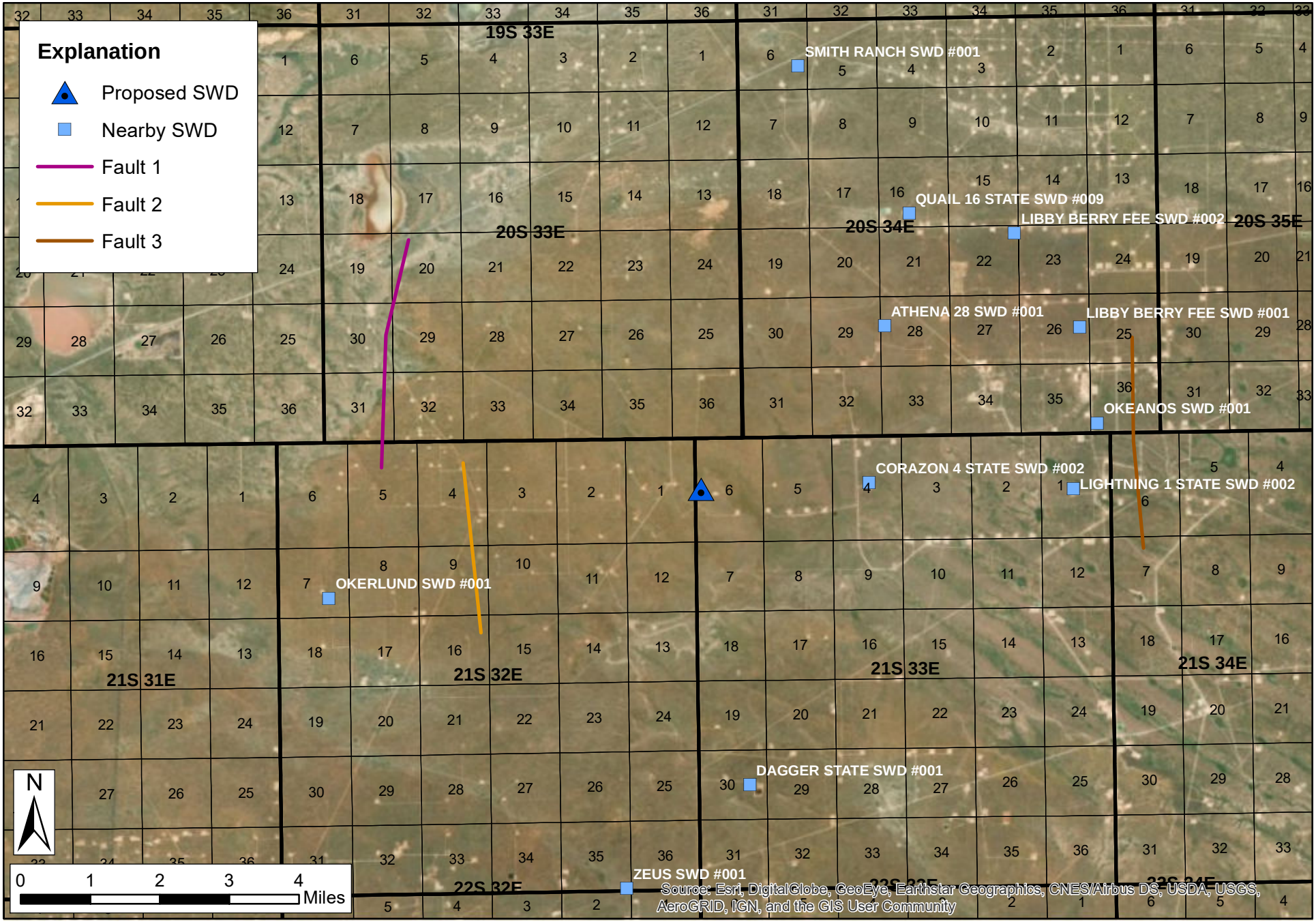

Figure 9. Injection wells and Devonian subsurface features in the vicinity of Lombard SWD #1

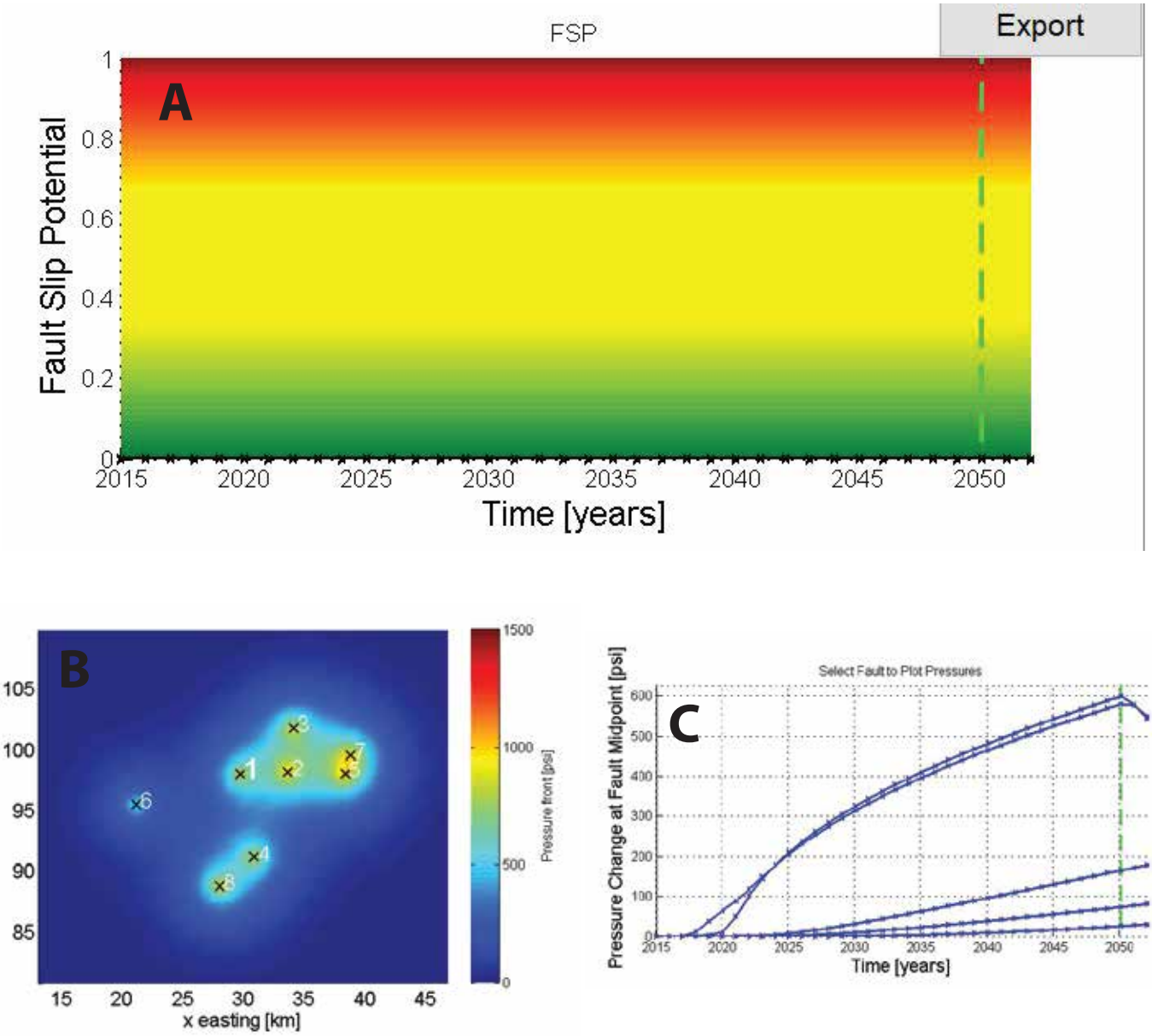

Figure 10. Summary of model-simulation results showing no anticipated potential for fault slip in response to the proposed injection scenario (panel A). Despite the density of injection wells northeast of the proposed Lombard SWD (panel B), faults in the area are oriented such that they are not at elevated risk for injection-induced slip. As shown in panel C, faults segments 4 and 5 show the greatest pressure increase, however these conditions at the termination of the 30-year injection period are still less than 10% of 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-0	All wells located within a two-mile radius of the Proposed Lombard SWD #1
Figure A-1:	All wells located within a one-mile radius of the proposed Lombard SWD #1
Table A-0:	All wells located within 2-miles of the proposed Lombard SWD #1
Table A-1:	Wells located within one mile of the proposed Lombard SWD #1
Well Files:	NMOCD documents for plugged ETZ Federal #1

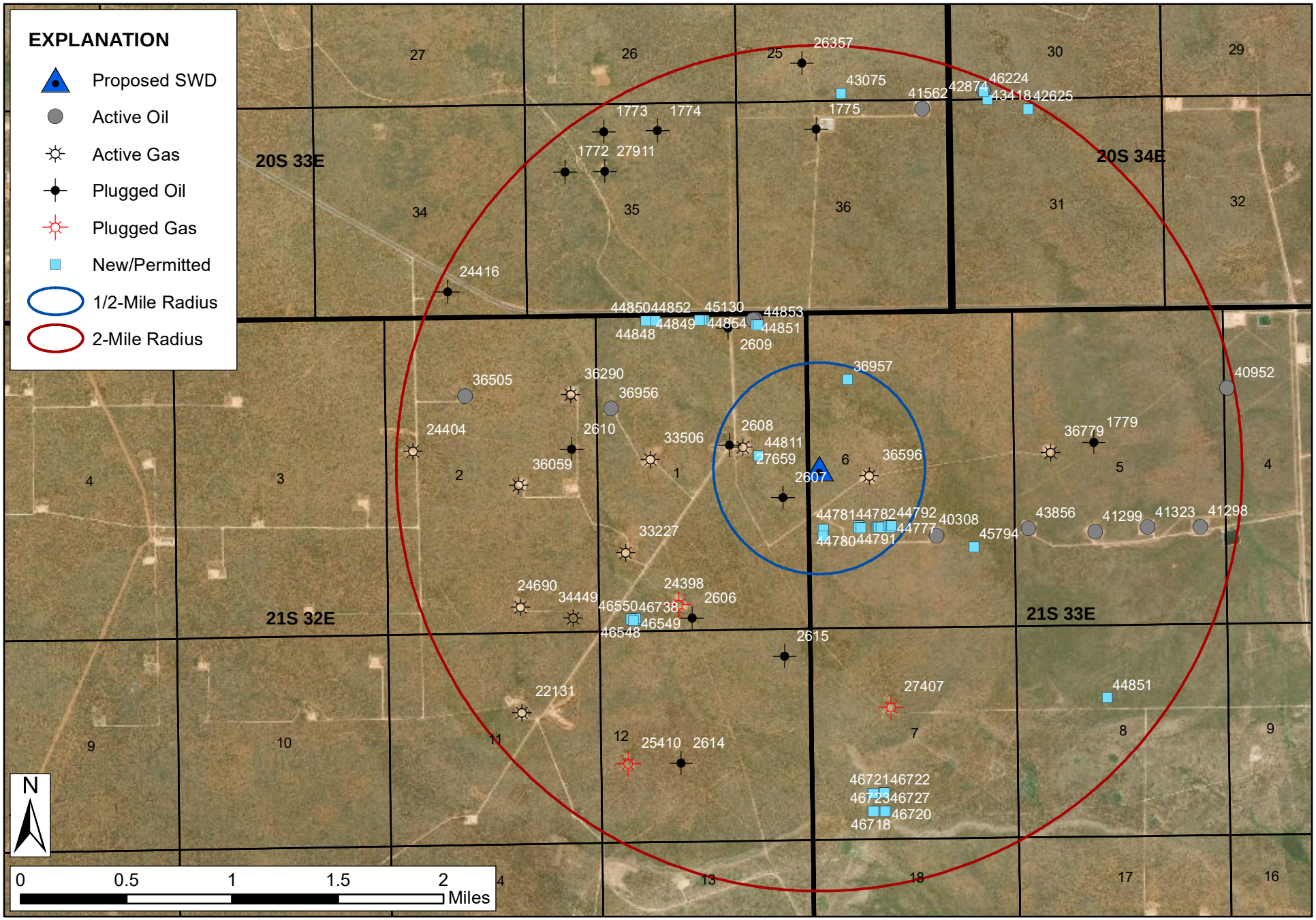

Figure A-0. All wells located within a two-mile radius of the proposed Lombard SWD #1. Wells labels reflect last five numbers of API 30-025-XXXXX.

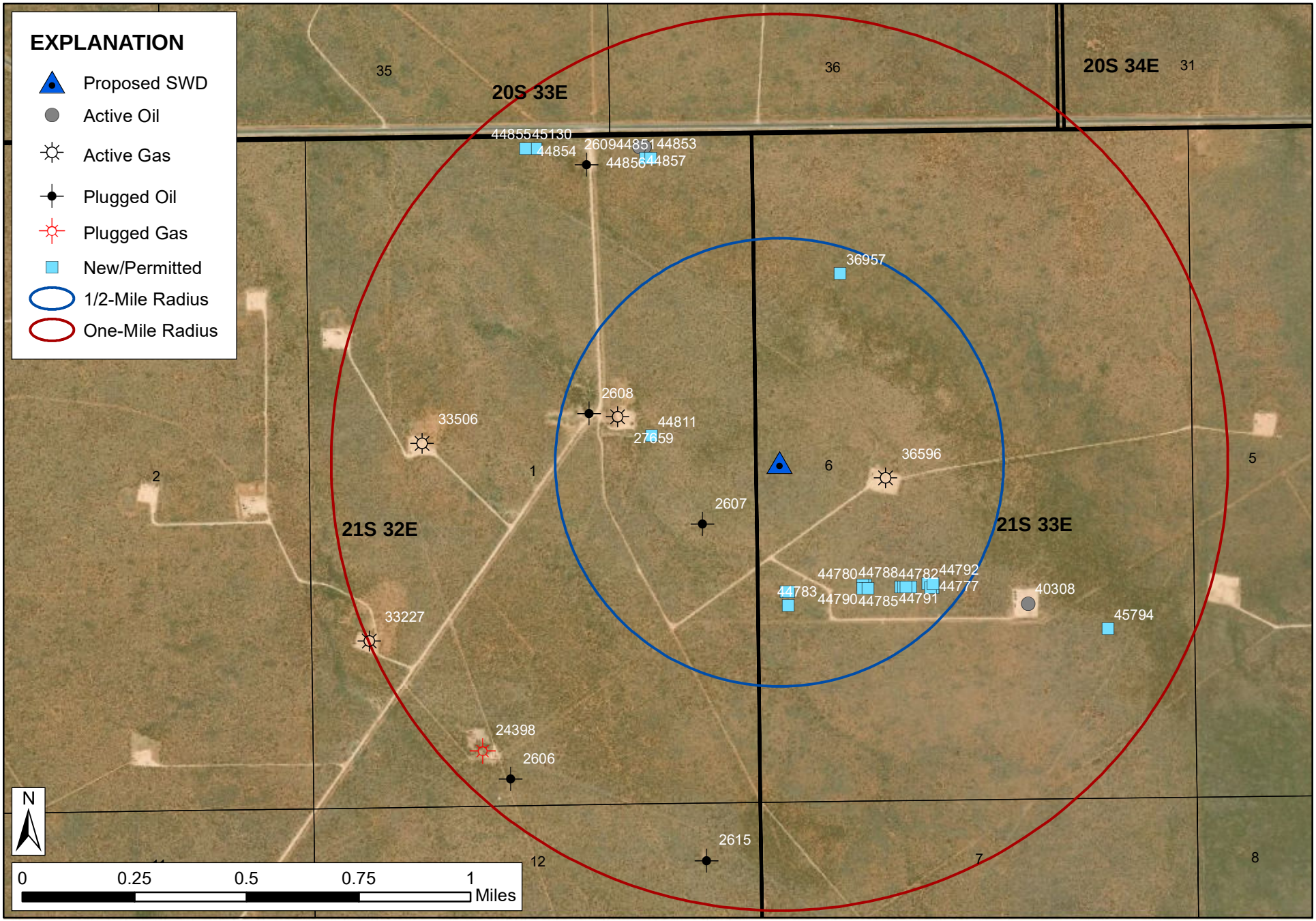

Figure A-1. All wells located within a one-mile radius of the proposed Lombard SWD #1. Well labels reflect last five numbers of API 30-0250-XXXXX and are summarized in Table A-1 of Appendix A.

TABLE A-0. 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 FED	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
30-025-44776	TOQUE STATE COM #201H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507488	-103.618807	0	0.29
30-025-44779	TOQUE STATE COM #301H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507487	-103.61871	0	0.29
30-025-44811	MINIS 1 FED COM 3BS #006H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRINGS	Oil	New	32.512579	-103.623871	11530	0.29
30-025-44783	TOQUE STATE COM #401H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507032	-103.618741	0	0.32
30-025-44786	TOQUE STATE COM #503H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507684	-103.615775	0	0.33
30-025-44790	TOQUE STATE COM #702H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.507684	-103.615872	0	0.33
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
30-025-44780	TOQUE STATE COM #302H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507561	-103.615872	0	0.34
30-025-44781	TOQUE STATE COM #303H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.50756	-103.615677	0	0.34
30-025-27659	MINIS FED 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	New	32.507592	-103.614428	0	0.39
30-025-44788	TOQUE STATE COM #602H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507591	-103.614331	0	0.39
30-025-44148	TOQUE STATE COM #501H	7	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.50759	-103.614136	0	0.4
30-025-44787	TOQUE STATE COM #601H	6	21S	33E	ASCENT ENERGY, LLC.	-	D	BONE SPRINGS	Oil	New	32.50759	-103.614039	0	0.4
30-025-44789	TOQUE STATE COM #701H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50759	-103.614234	0	0.4
30-025-44784	TOQUE STATE COM #402H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507676	-103.613293	0	0.43
30-025-44791	TOQUE STATE COM #703H	6	21S	33E	ASCENT ENERGY, LLC.	-	D	WOLFCAMP	Oil	New	32.507676	-103.613391	0	0.43
30-025-02608	ETZ FED	1	21S	32E	PHILLIPS PETRO.	1956	-	No Data	Oil	Plugged	32.513348	-103.626236	16396	0.44
30-025-36957	IMPERIAL 6 FED #001	6	21S	33E	CORKRAN ENERGY LP	-	V	No Data	Oil	New	32.517765	-103.616592	0	0.44
30-025-44777	TOQUE STATE COM #203H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507552	-103.613196	0	0.44
30-025-44782	TOQUE STATE COM #304H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507552	-103.613293	0	0.44
30-025-44792	TOQUE STATE COM #704H	6	21S	33E	ASCENT ENERGY, LLC.	-	D	WOLFCAMP	Oil	New	32.507678	-103.613196	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 FED COM 2BS #010H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRINGS	Oil	New	32.521579	-103.623968	11626	0.74
30-025-44853	MINIS 1 FED COM WCA #016H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521579	-103.623774	11593	0.74
30-025-44856	MINIS 1 FED 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 FED COM 2BS #011H	1	21S	32E	CHISHOLM ENERGY	2018	H	BONE SPRINGS	Oil	Active	32.521936	-103.624195	10720	0.77
30-025-02609	SHEPERD FED	1	21S	32E	SOUTHERN CALIFORNIA	1953	-	No Data	Oil	Plugged	32.521401	-103.626221	3508	0.79
30-025-33506	MINIS 1 FED COM #003	1	21S	32E	CHISHOLM ENERGY	1997	V	MORROW	Gas	Active	32.512459	-103.632645	14550	0.8
30-025-45794	ADAMS STATE COM #015H	6	21S	33E	CIMAREX ENERGY CO.	-	H	BONE SPRINGS	Oil	New	32.50615	-103.606537	0	0.82
30-025-44854	MINIS 1 FED COM WCA #014H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521941	-103.628348	0	0.89
30-025-44855	MINIS 1 FED COM WCA #015H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.52194	-103.628153	0	0.89

TABLE A-0 (CONTINUED)

API	LEASE NAME	Sec	T	R	OPERATOR	SPUD	DIR	POOL	TYPE	STATUS	LAT (NAD83)	LONG (NAD83)	TD	DISTANCE (TO SWD)
30-025-02615	ETZ #1	12	21S	32E	GETTY OIL CO	-	-	No Data	Oil	Plugged	32.498836	-103.621979	3517	0.9
30-025-45130	MINIS 1 FED COM WCA #013H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521941	-103.628543	0	0.9
30-025-24398	FEDERAL ONE #1	1	21S	32E	KIMBALL PRODUCTION	1973	-	MORROW	Gas	Plugged	32.502457	-103.630485	14495	0.92
30-025-02606	SHEPARD B FED	1	21S	32E	CULBERTSON & IRWIN	-	-	No Data	Oil	Plugged	32.501549	-103.629417	3445	0.93
30-025-33227	MINIS 1 FED #002	1	21S	32E	CHISHOLM ENERGY	1995	V	MORROW	Gas	Active	32.506081	-103.634766	14520	1
30-025-36956	MINIS 1 FED #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 FED 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 FED COM 3BS #005H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRING	Oil	New	32.521944	-103.632305	0	1.05
30-025-44849	MINIS 1 FED 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 FED COM 3BS #004H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRING	Oil	New	32.521944	-103.632695	0	1.07
30-025-44852	MINIS 1 FED 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	1.1
30-025-46549	BIG MOOSE FED COM #707H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.5015187	-103.6340084	0	1.12
30-025-46498	BIG MOOSE FED COM #505H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5015185	-103.6341055	0	1.13
30-025-46544	BIG MOOSE FED COM #204H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.501395	-103.6340084	0	1.13
30-025-46545	BIG MOOSE FED COM #307H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5013948	-103.6341056	0	1.13
30-025-46547	BIG MOOSE FED COM #506H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5015181	-103.6343002	0	1.13
30-025-46548	BIG MOOSE FED COM #604H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5015182	-103.6342029	0	1.13
30-025-46546	BIG MOOSE FED COM #404H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5013944	-103.6343001	0	1.14
30-025-46550	BIG MOOSE FED COM #708H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.501518	-103.6343976	0	1.14
30-025-46738	BIG MOOSE FED COM #308H	1	21S	32E	ASCENT ENERGY, LLC.	-	H	BONE SPRING	Oil	New	32.5013945	-103.6342029	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 FED COM #004	2	21S	32E	COG OPERATING LLC	2003	V	MORROW	Gas	Active	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
30-025-41299	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 FED #001	2	21S	32E	COG OPERATING LLC	1998	V	DELAWARE	Gas	Active	32.501621	-103.639053	14443	1.36
30-025-36059	MINIS 2 FED COM #002	2	21S	32E	COG OPERATING LLC	2002	V	MORROW	Gas	Active	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	CONOCO PHILLIPS	9999	V	MORROW	Gas	Active	32.502441	-103.643333	14500	1.56
30-025-46717	SOMBRERO FED COM #202H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.489332	-103.615028	0	1.56
30-025-46719	SOMBRERO FED COM #302H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.489331	-103.614931	0	1.56
30-025-46721	SOMBRERO FED COM #501H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.489331	-103.61412	0	1.57

TABLE A-0 (CONTINUED)

API	LEASE NAME	Sec	T	R	OPERATOR	SPUD	DIR	POOL	TYPE	STATUS	LAT (NAD83)	LONG (NAD83)	TD	DISTANCE (TO SWD)
30-025-46722	SOMBRERO FED 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 FED COM #201H	7	21S	33E	CENTENNIAL RESOURCE	-	H	BONE SPRING	Oil	New	32.488092	-103.615028	0	1.64
30-025-46718	SOMBRERO FED COM #301H	7	21S	33E	CENTENNIAL RESOURCE	-	H	BONE SPRING	Oil	New	32.488092	-103.614834	0	1.64
30-025-46723	SOMBRERO FED COM #702H	7	21S	33E	CENTENNIAL RESOURCE	-	H	WOLFCAMP	Oil	New	32.488092	-103.614931	0	1.64
30-025-46720	SOMBRERO FED COM #401H	7	21S	33E	CENTENNIAL RESOURCE	-	H	BONE SPRING	Oil	New	32.488092	-103.613936	0	1.65
30-025-46727	SOMBRERO FED 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 FED COM #002	2	21S	32E	COG OPERATING LLC	2003	V	MORROW	Oil	Active	32.516979	-103.647606	14385	1.71
30-025-27911	CALEDO FED #1	35	20S	33E	BETTIS BOYLE & STOV	1982	-	No Data	Oil	Plugged	32.532299	-103.636063	5225	1.73
30-025-45851	DELICIOUS LIME ST #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 #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 FED #002H	25	20S	33E	DIAMONDBACK RES.	-	H	BONE SPRING	Oil	New	32.537406	-103.616842	0	1.78
30-025-22131	HAT MESA COM #001	11	21S	32E	CONOCO PHILLIPS	9999	V	MORROW	Gas	Active	32.495186	-103.643333	15721	1.82
30-025-41298	BECKNELL STATE #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
30-025-01773	SHELL	35	20S	33E	EL CINCO PROD.	1960	-	No Data	Oil	Plugged	32.535023	-103.63607	3423	1.89
30-025-24404	PUBCO FED COM #001	2	21S	32E	COG OPERATING LLC	9999	V	MOR/STRAWN	Gas	Active	32.513252	-103.651894	14407	1.92
30-025-26357	TREAT LI FED #1	25	20S	33E	YATES PETROLEUM CO	1979	-	No Data	Oil	Plugged	32.539547	-103.619972	3616	1.92
30-025-42874	TOPAZ 30 FED COM #005H	31	20S	34E	MARATHON OIL	-	H	BONE SPRING	Oil	New	32.536818	-103.604962	0	1.92
30-025-46224	SEVERUS 31 5 FED #012H	30	20S	34E	XTO ENERGY, INC	-	H	BONE SPRING	Oil	New	32.537381	-103.605271	0	1.94
30-025-24416	FEDERAL 34 #1	34	20S	33E	KIMBALL PRODUCTION	1973		YATES	Oil	Plugged	32.5241356	-103.648903	3500	1.95
30-025-43418	SEVERUS 31 FED 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 FED COM #002H	31	20S	34E	MARATHON OIL	-	H	BONE SPRING	Oil	New	32.536172	-103.601694	0	1.97

TABLE A-1. WELLS LOCATED WITHIN ONE 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 FED	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
30-025-44776	TOQUE STATE COM #201H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507488	-103.618807	0	0.29
30-025-44779	TOQUE STATE COM #301H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507487	-103.61871	0	0.29
30-025-44811	MINIS 1 FED COM 3BS #006H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRINGS	Oil	New	32.512579	-103.623871	11530	0.29
30-025-44783	TOQUE STATE COM #401H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507032	-103.618741	0	0.32
30-025-44786	TOQUE STATE COM #503H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507684	-103.615775	0	0.33
30-025-44790	TOQUE STATE COM #702H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.507684	-103.615872	0	0.33
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
30-025-44780	TOQUE STATE COM #302H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507561	-103.615872	0	0.34
30-025-44781	TOQUE STATE COM #303H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.50756	-103.615677	0	0.34
30-025-27659	MINIS FED 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	New	32.507592	-103.614428	0	0.39
30-025-44788	TOQUE STATE COM #602H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507591	-103.614331	0	0.39
30-025-44148	TOQUE STATE COM #501H	7	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.50759	-103.614136	0	0.4
30-025-44787	TOQUE STATE COM #601H	6	21S	33E	ASCENT ENERGY, LLC.	-	D	BONE SPRINGS	Oil	New	32.50759	-103.614039	0	0.4
30-025-44789	TOQUE STATE COM #701H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	WOLFCAMP	Oil	New	32.50759	-103.614234	0	0.4
30-025-44784	TOQUE STATE COM #402H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507676	-103.613293	0	0.43
30-025-44791	TOQUE STATE COM #703H	6	21S	33E	ASCENT ENERGY, LLC.	-	D	WOLFCAMP	Oil	New	32.507676	-103.613391	0	0.43
30-025-02608	ETZ FED	1	21S	32E	PHILLIPS PETRO.	1956	-	No Data	Oil	Plugged	32.513348	-103.626236	16396	0.44
30-025-36957	IMPERIAL 6 FED #001	6	21S	33E	CORKRAN ENERGY LP	-	V	No Data	Oil	New	32.517765	-103.616592	0	0.44
30-025-44777	TOQUE STATE COM #203H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507552	-103.613196	0	0.44
30-025-44782	TOQUE STATE COM #304H	6	21S	33E	ASCENT ENERGY, LLC.	-	H	BONE SPRINGS	Oil	New	32.507552	-103.613293	0	0.44
30-025-44792	TOQUE STATE COM #704H	6	21S	33E	ASCENT ENERGY, LLC.	-	D	WOLFCAMP	Oil	New	32.507678	-103.613196	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 FED COM 2BS #010H	1	21S	32E	CHISHOLM ENERGY	-	H	BONE SPRINGS	Oil	New	32.521579	-103.623968	11626	0.74
30-025-44853	MINIS 1 FED COM WCA #016H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521579	-103.623774	11593	0.74
30-025-44856	MINIS 1 FED 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 FED COM 2BS #011H	1	21S	32E	CHISHOLM ENERGY	2018	H	BONE SPRINGS	Oil	Active	32.521936	-103.624195	10720	0.77
30-025-02609	SHEPERD FED	1	21S	32E	SOUTHERN CALIFORNIA	1953	-	No Data	Oil	Plugged	32.521401	-103.626221	3508	0.79
30-025-33506	MINIS 1 FED COM #003	1	21S	32E	CHISHOLM ENERGY	1997	V	MORROW	Gas	Active	32.512459	-103.632645	14550	0.8
30-025-45794	ADAMS STATE COM #015H	6	21S	33E	CIMAREX ENERGY CO.	-	H	BONE SPRINGS	Oil	New	32.50615	-103.606537	0	0.82
30-025-44854	MINIS 1 FED COM WCA #014H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521941	-103.628348	0	0.89
30-025-44855	MINIS 1 FED COM WCA #015H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.52194	-103.628153	0	0.89

TABLE A-1 (CONTINUED)

API	LEASE NAME	Sec	T	R	OPERATOR	SPUD	DIR	POOL	TYPE	STATUS	LAT (NAD83)	LONG (NAD83)	TD	DISTANCE (TO SWD)
30-025-02615	ETZ #1	12	21S	32E	GETTY OIL CO	-	-	No Data	Oil	Plugged	32.498836	-103.621979	3517	0.9
30-025-45130	MINIS 1 FED COM WCA #013H	1	21S	32E	CHISHOLM ENERGY	-	H	WOLFCAMP	Oil	New	32.521941	-103.628543	0	0.9
30-025-24398	FEDERAL ONE #1	1	21S	32E	KIMBALL PRODUCTION	1973	-	MORROW	Gas	Plugged	32.502457	-103.630485	14495	0.92
30-025-02606	SHEPARD B FED	1	21S	32E	CULBERTSON & IRWIN	-	-	No Data	Oil	Plugged	32.501549	-103.629417	3445	0.93
30-025-33227	MINIS 1 FED #002	1	21S	32E	CHISHOLM ENERGY	1995	V	MORROW	Gas	Active	32.506081	-103.634766	14520	1

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

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 3800' 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 of Wolfcamp, 13040-126'. Tool open 2-1/2 hrs, air immediately. Rec 4600' wtr blanket heavily gas cut & 300' heavily gas cut DM. Med to strong blow air throughout test. I&FFP 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 6760#. 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'. MO 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.

T. 21 S.

R. 32 E.

R. 33 E.

33

34

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

Los Cruces 070042

Ewell N. Muse, Jr.

TRACT (13)

New Mexico 01294

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)

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

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

Skelly

TRACT (5)

Los Cruces 070042

Phillips

TRACT (9)

(O. M. Mills)
New Mexico 01046

Skelly

TRACT (5)

Los Cruces 070042

Phillips

TRACT (9)

(O. M. Mills)
New Mexico 01046

Skelly

TRACT (5)

Los Cruces 070042

Skelly

TRACT (5)

Los Cruces 070042

Phillips

TRACT (16)

State E-1935

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

15 14 13 18

22 23 24 19

EXHIBIT "A"

PHILLIPS PETROLEUM COMPANY - OPERATOR

ETZ DEEP UNIT

LEA COUNTY, NEW MEXICO

SCALE: 1" = 2000'

Date Submitted _____

FEDERAL LANDS
STATE LANDS
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, CERTIFIED MAIL RECEIPTS, AND AFFIDAVIT OF PUBLICATION OF NEWSPAPER NOTICE

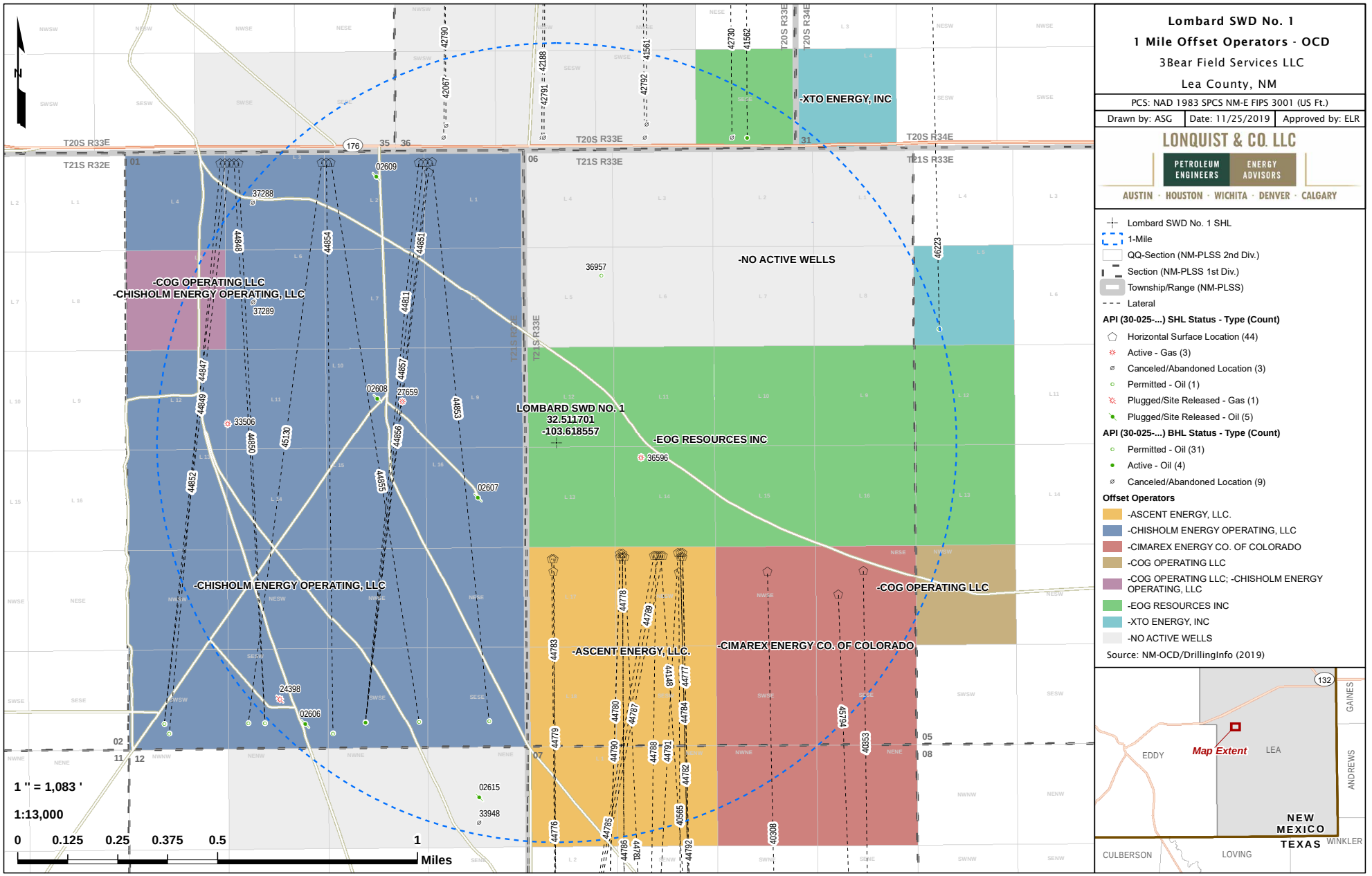

Figure B-1. Operators within one mile of the proposed Lombard SWD #1

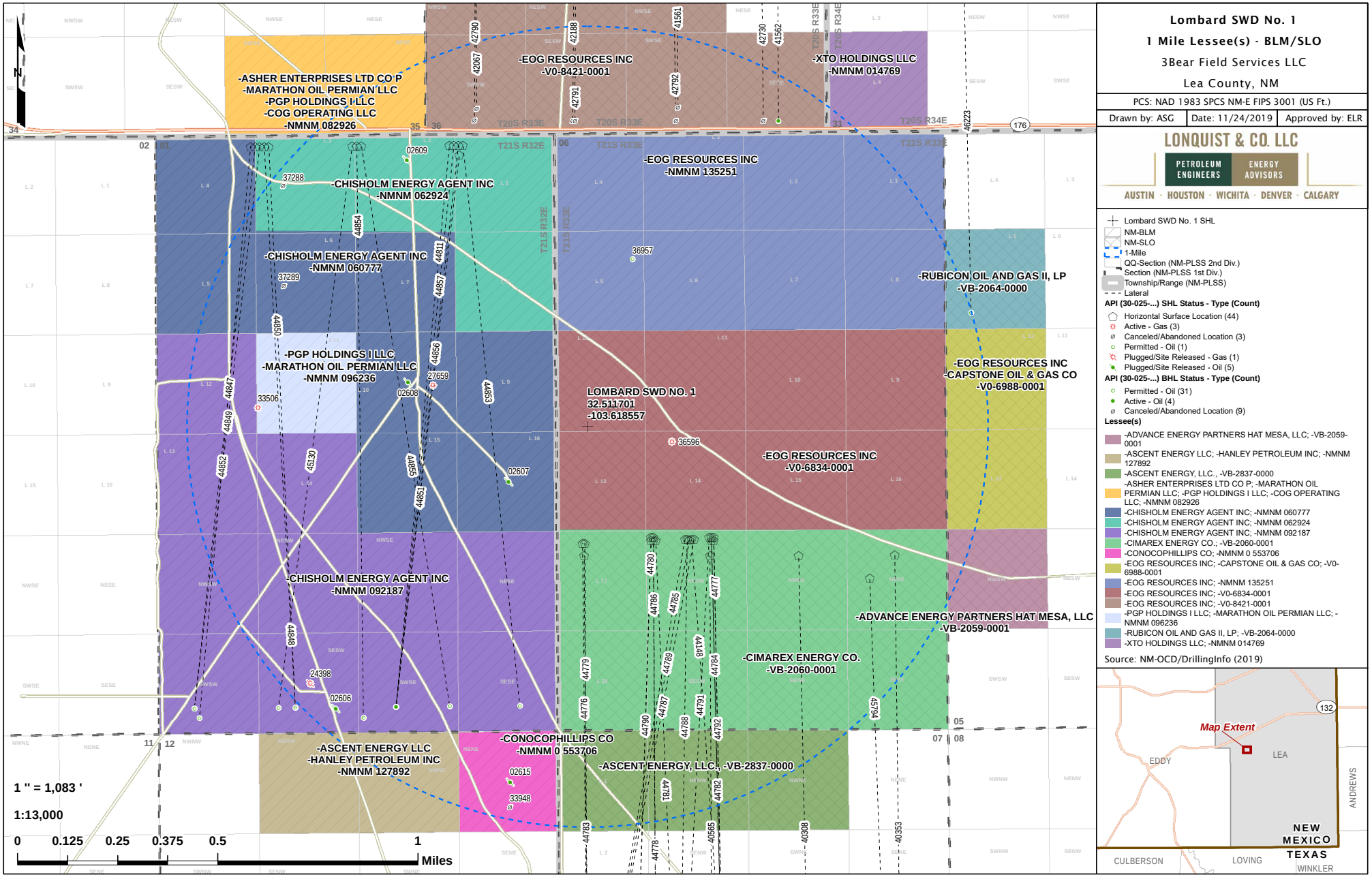

Figure B-2. Lessees within one mile of the proposed Lombard SWD #1. Surface ownership within one mile of the proposed Lombard SWD #1 lies with the Bureau of Land Managment and the State of New Mexico and notices of the application have been distributed to each.

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	-	-	PO Box 423	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	P	EOG Resources INC	-	-	-	PO Box 2267	Midland, TX 79702
	J,K,L,M,N,O	-	EOG Resources INC	-	-	PO Box 2267	Midland, TX 79702
31/T20S/R34E	M	XTO Energy INC	-	-	-	6401 Holiday Hill Road Building #5	Midland, TX 79707
01/T21S/R32E	ENTIRE SECTION	Chisholm Energy Operating, LLC	-	-	-	801 Cherry Street	Fort Worth, TX 76102
	D(5)	COG Operating LLC	-	-	-	600 W. Illinois Ave.	Midland, TX 79701
12/T21S/R32E	A	-	Conoco Phillips Co.	-	-	PO Box 7500	Bartlesville, OK 74005-7500
	B,C	-	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,M	COG Operating LLC	-	-	-	600 W. Illinois Ave.	Midland, TX 79701
	D(12),E(13)	EOG Resources INC	-	-	-	PO Box 2267	Midland, TX 79702
	D(5)	XTO Energy INC	-	-	-	6401 Holiday Hill Road Building #5	Midland, TX 79707
06/T21S/R33E	L(17),M(18),K,N	Ascent Energy, LLC	-	-	-	1125 17th St, Suite 410	Denver, CO 80202
	J,O,I,P	Cimarex Energy Co. of Colorado	-	-	-	600 N. Marienfeld Street, Suite 600	Midland, TX 79701
	A(9),B(10),C(11),D(12),E(13),F(14),G(15),H(16)	EOG Resources INC	-	-	-	PO Box 2267	Midland, TX 79702
	L1,L2,L3,L4,L5,L6,L7,L8	-	EOG Resources INC	-	-	PO Box 2267	Midland, TX 79702
07/T21S/R33E	C,D(1)	Ascent Energy, LLC	-	-	-	1125 17th St, Suite 410	Denver, CO 80202
	A,B,H,G,I,J,P,O	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; PO Box 1148; Santa Fe, NM 87501-1148.**

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
11063-D So Memorial Dr, 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

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

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.
P.O. Box 2267
Midland, TX 79702

Conoco Phillips Co.
P.O. Box 7500
Bartlesville, OK 74005-7500

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

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

Hanley Petroleum, Inc.
415 West Wall Street, Suite 1500
Midland, TX 79701-4473

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

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

State of New Mexico
P.O. Box 1148
Santa Fe, NM 87504-1148

ATTACHMENT A

COPIES OF ALL NOTICE LETTERS DISTRIBUTED TO INTERESTED PARTIES

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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 the date in which this application was mailed to them.

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.

Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Advance Energy Partners.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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.

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Sincerely,
Geolex®, Inc.

Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Ascent Energy (second address).docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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 the date in which this application was mailed to them.

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.

Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Ascent Energy.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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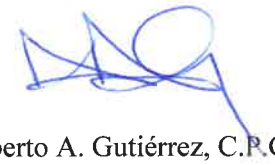
Sincerely,
Geolex®, Inc.



Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Asher Enterprises.docx

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Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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Alberto A. Gutiérrez, C.P.G.
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Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Bureau of Land Management.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Chisholm Energy.docx

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Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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President
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Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Cimarex Energy.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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Geolex®, Inc.

Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\COG Operating.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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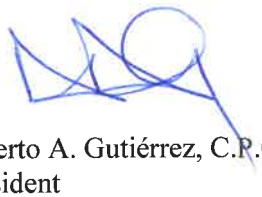
Sincerely,
Geolex®, Inc.



Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

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GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

Conoco Phillips Co.
P.O. Box 7500
Bartlesville, OK 74005-7500

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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Sincerely,
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Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Conoco Phillips.docx

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INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Devon Energy.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

EOG Resources
P.O. Box 2267
Midland, TX 79702

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\EOG Resources.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

Hanley Petroleum, Inc.
415 West Wall Street, Suite 1500
Midland, TX 79701-4473

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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Geolex®, Inc.

Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Hanley Petroleum.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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Alberto A. Gutiérrez, C.P.G.
President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Highland Texas Energy.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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Alberto A. Gutiérrez, C.P.G.
President
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Enclosure: Complete C-108 Application for Authority to Inject

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GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Marathon Oil.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\PGP Holdings.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

State of New Mexico
P.O. Box 1148
Santa Fe, NM 87504-1148

VIA CERTIFIED MAIL
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President
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P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\State of New Mexico.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\Sundown Energy.docx

GEOLEX®
INCORPORATED

Alberto A. Gutiérrez, C.P.G.

February 21, 2020

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

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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President
Consultant to 3Bear Field Services

Enclosure: Complete C-108 Application for Authority to Inject

P:\18-025 (3 Bear AGIs)\Reports - Lombard SWD 1\Notice Letters & Publication\REVISED LOCATION NOTIFICATIONS\XTO Energy.docx

ATTACHMENT B

CERTIFIED MAIL PROOF OF DELIVERY
(USPS WHITE & GREEN CARDS, USPS TRACKING RESULTS)

7018 3090 0001 0880 9385

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

For delivery information, visit our website at *www.usps.com®*.

HOUSTON, TX 77077

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here FEB 24 2020

02/24/2020

(18-025 LOMBARD)

Sent To: ADVANCE ENERGY PARTNERS HAT MESA LLC
Street and Apt. No., or PO Box No.: 11490 WESTHEIMER ROAD, SUITE 950
City, State, ZIP+4®: HOUSTON, TX 77077-6841

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

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U.S. Postal Service™
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Domestic Mail Only

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DENVER, CO 80202

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Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here FEB 24 2020

02/24/2020

(18-025 LOMBARD)

Sent To: ASCENT ENERGY LLC
Street and Apt. No., or PO Box No.: 1125 17th STREET, SUITE 410
City, State, ZIP+4®: DENVER, CO 80202

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

7018 3090 0001 0880 9446

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

For delivery information, visit our website at *www.usps.com®*.

DENVER, CO 80202

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here FEB 24 2020

02/24/2020

(18-025 LOMBARD)

Sent To: ASCENT ENERGY LLC
Street and Apt. No., or PO Box No.: 1621 18th STREET, SUITE 200
City, State, ZIP+4®: DENVER, CO 80202-1267

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

7018 3090 0001 0880 9309

U.S. Postal Service™
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For delivery information, visit our website at *www.usps.com®*.

TULSA, OK 74133

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here FEB 24 2020

02/24/2020

(18-025 - LOMBARD)

Sent To: ASHER ENTERPRISES LTD. CO
Street and Apt. No., or PO Box No.: 11063-D So MEMORIAL DR., PMB 525
City, State, ZIP+4®: TULSA, OK 74133

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

7018 3090 0001 0880 9507

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

For delivery information, visit our website at *www.usps.com®*.

SANTA FE, NM 87508

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here FEB 24 2020

02/24/2020

(18-025 LOMBARD)

Sent To: BUREAU OF LAND MANAGEMENT
Street and Apt. No., or PO Box No.: 301 DINOSAUR TRAIL
City, State, ZIP+4®: SANTA FE, NM 87508

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

7018 3090 0001 0880 9484

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

For delivery information, visit our website at *www.usps.com®*.

FORT WORTH, TX 76102

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here FEB 24 2020

02/24/2020

(18-025 LOMBARD)

Sent To: CHISHOLM ENERGY OPERATING LLC
Street and Apt. No., or PO Box No.: 801 CHERRY STREET, 12th FLOOR
City, State, ZIP+4®: FORT WORTH, TX 76102

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

7018 3090 0001 0880 9491

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at *www.usps.com®*.
MIDLAND, TX 79701

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: CIMAREX ENERGY Co. OF COLORADO
Street and Apt. No., or PO Box No.: 600 NORTH MARIENFELD ST., SUITE 600
City, State, ZIP+4®: MIDLAND, TX 79701

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

7018 3090 0001 0880 9323

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at *www.usps.com®*.
MIDLAND, TX 79701

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: COG OPERATING LLC
Street and Apt. No., or PO Box No.: 600 W. ILLINOIS AVENUE
City, State, ZIP+4®: MIDLAND, TX 79701-4882

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

7018 3090 0001 0880 9392

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at *www.usps.com®*.
MIDLAND, TX 79701

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: CONCHO OIL & GAS LLC
Street and Apt. No., or PO Box No.: 600 W. ILLINOIS AVENUE
City, State, ZIP+4®: MIDLAND, TX 79701-4882

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

7018 3090 0001 0880 9422

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

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

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

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

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

7018 3090 0001 0880 9361

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

For delivery information, visit our website at *www.usps.com®*.
OKLAHOMA CITY, OK 73102

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: DEVON ENERGY PROD. Co. LP
Street and Apt. No., or PO Box No.: 333 W. SHERIDAN AVENUE
City, State, ZIP+4®: OKLAHOMA CITY, OK 73102-5010

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

7018 3090 0001 0880 9415

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

For delivery information, visit our website at *www.usps.com®*.
MIDLAND, TX 79702

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: EOG RESOURCES INC.
Street and Apt. No., or PO Box No.: P.O. Box 2267
City, State, ZIP+4®: MIDLAND, TX 79702

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

7018 3090 0001 0880 9460

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

For delivery information, visit our website at *www.usps.com®*.
MIDLAND, TX 79701

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09
Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: HANLEY PETROLEUM INC.
Street and Apt. No., or PO Box No.: 415 WEST WALL STREET, SUITE 1500
City, State, ZIP+4®: MIDLAND, TX 79701-4473

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

7018 3090 0001 0880 9408

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

For delivery information, visit our website at *www.usps.com®*.
DALLAS, TX 75231

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09
Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: HIGHLAND TEXAS ENERGY CO.
Street and Apt. No., or PO Box No.: 7557 RAMBLER ROAD, SUITE 918
City, State, ZIP+4®: DALLAS, TX 75231-2306

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

7018 3090 0001 0880 9347

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

For delivery information, visit our website at *www.usps.com®*.
MIDLAND, TX 79701

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09
Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: LEGACY RESERVES OPERATING LP
Street and Apt. No., or PO Box No.: 303 WEST WALL STREET, SUITE 1800
City, State, ZIP+4®: MIDLAND, TX 79701-5106

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

7018 3090 0001 0880 9316

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

For delivery information, visit our website at *www.usps.com®*.
HOUSTON, TX 77056

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09
Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: MARATHON OIL PERMIAN LLC
Street and Apt. No., or PO Box No.: 5555 SAN FELIPE STREET
City, State, ZIP+4®: HOUSTON, TX 77056-2701

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

7018 3090 0001 0880 9354

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

For delivery information, visit our website at *www.usps.com®*.
KENNESAW, GA 30144

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09
Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: PGP HOLDINGS I LLC
Street and Apt. No., or PO Box No.: 104 TOWNPARK DRIVE NW
City, State, ZIP+4®: KENNESAW, GA 30144-5508

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

7018 3090 0001 0880 9514

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

For delivery information, visit our website at *www.usps.com®*.
SANTA FE, NM 87504

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	$2.85
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09
Postmark Here
FEB 24 2020
02/24/2020
(18-025 LOMBARD)

Sent To: STATE OF NEW MEXICO
Street and Apt. No., or PO Box No.: P.O. BOX 1148
City, State, ZIP+4®: SANTA FE, NM 87504-1148

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

7018 3090 0001 0880 9378

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

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

DALLAS, TX 75248

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$1.80
Total Postage and Fees	$8.20

0101 09

Postmark Here

FEB 24 2020

02/24/2020

(18-025 LOMBARD)

Sent To: SUNDOWN ENERGY LP

Street and Apt. No., or PO Box No.: 16400 DALLAS PARKWAY, SUITE 100

City, State, ZIP+4®: DALLAS, TX 75248-2609

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

7018 3090 0001 0880 9477

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

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

MIDLAND, TX 79707

OFFICIAL USE

Certified Mail Fee	$3.55
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$2.00
Total Postage and Fees	$8.40

0101 09

Postmark Here

FEB 24 2020

02/24/2020

(18-025 LOMBARD)

Sent To: XTO ENERGY INC.

Street and Apt. No., or PO Box No.: 6401 HOLIDAY HILL ROAD, BUILDING #5

City, State, ZIP+4®: MIDLAND, TX 79707

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

3 Bear (Lombard) 18-025

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: (18-025 LOMBARD)

STATE OF NEW MEXICO
P.O. Box 1148
SANTA FE, NM 87504-1148

9590 9402 5056 9092 0035 88

2. Article Number *(Transfer from service label)*
7018 3090 0001 0880 9514

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: (18-025 LOMBARD)

BUREAU OF LAND MANAGEMENT
301 DINOSAUR TRAIL
SANTA FE, NM 87508

9590 9402 5056 9092 0035 95

2. Article Number *(Transfer from service label)*
7018 3090 0001 0880 9507

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X R Duran ☐ Agent ☒ Addressee

B. Received by *(Printed Name)* Regina Duran C. Date of Delivery 2-26-20

D. Is delivery address different from item 1? ☒ Yes
If YES, enter delivery address below: ☐ No
Carlsbad BLM
620 E Greene St.
Carlsbad NM 88220-6292

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: (18-025 LOMBARD)

CIMAREX ENERGY CO. OF COLORADO
600 NORTH MARIENFELD ST., SUITE 600
MIDLAND, TX 79701

9590 9402 5056 9092 0036 01

2. Article Number *(Transfer from service label)*
7018 3090 0001 0880 9491

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Sadie Garcia C. Date of Delivery 2/27/20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: (18-025 LOMBARD)

HANLEY PETROLEUM INC.
415 W. WALL STREET, SUITE 1500
MIDLAND, TX 79701-4473

9590 9402 5056 9092 0036 32

2. Article Number *(Transfer from service label)*
7018 3090 0001 0880 9460

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X B A Reid ☑ Agent ☐ Addressee

B. Received by *(Printed Name)* B A Reid C. Date of Delivery 02/27/20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

18-025 3 Bea

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: (18-025 LOMBARD)

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

9590 9402 5056 9092 0036 25

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9477

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Rebecca Patterson ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: (18-025 LOMBARD)

Sundown Energy LP
16400 Dallas Parkway, Ste. 100
Dallas, TX 75248-2609

9590 9402 5056 9092 0037 17

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9378

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery
J. Nuckols 2-27-20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricte Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: (18-025 LOMBARD)

Conoco Phillips Co.
P.O. Box 7500
Bartlesville, OK 74005-7500

9590 9402 5056 9092 0036 63

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9422

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
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1. Article Addressed to: (18-025 LOMBARD)

Asher Enterprises LTD. Co.
11063-D So Memorial Drive
PMB 525
Tulsa, OK 74133

9590 9402 5056 9092 0037 86

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9309

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X The UPS Store #49[illegible] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery
2/27/20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
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1. Article Addressed to: (18-025 LOMBARD)

DEVON ENERGY PROD. CO. LP
333 W. SHERIDAN AVENUE
OKLAHOMA CITY, OK 73102-5010

9590 9402 5056 9092 0037 24

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9361

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X David Carroll ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 2/27/20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
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1. Article Addressed to: (18-025 LOMBARD)

ASCENT ENERGY LLC
1125 17th STREET, SUITE 410
DENVER, CO 80202

9590 9402 5056 9092 0036 49

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9453

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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1. Article Addressed to: (18-025 LOMBARD)

ADVANCE ENERGY PARTNERS
HAT MESA LLC
11490 WESTHEIMER RD., SUITE 950
HOUSTON, TX 77077-6841

9590 9402 5056 9092 0035 71

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9385

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Melva Thomas ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 2/27/2020

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
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PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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1. Article Addressed to: (18-025 LOMBARD)

MARATHON OIL PERMIAN LLC
5555 SAN FELIPE STREET
HOUSTON, TX 77056-2701

9590 9402 5056 9092 0037 79

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9316

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 2/27/20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
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1. Article Addressed to: (18-025 LOMBARD)

COG OPERATING LLC
600 W. ILLINOIS AVENUE
MIDLAND, TX 79701-4882

9590 9402 5056 9092 0037 62

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9323

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Jennifer Wohlgemuth C. Date of Delivery 2/27/20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
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- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: (18-025 LOMBARD)

CONCHO OIL & GAS
600 W. ILLINOIS AVENUE
MIDLAND, TX 79701-4882

9590 9402 5056 9092 0036 94

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9392

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Address

B. Received by (Printed Name) Jennifer Wohlgemuth C. Date of Delive 2/28/2

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restrict Delivery
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PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receip

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: (18-025 LOMBARD)

PGP HOLDINGS I LLC
104 TOWNPARK DRIVE NW
KENNESAW, GA 30144-5508

9590 9402 5056 9092 0037 31

2. Article Number (Transfer from service label)
7018 3090 0001 0880 9354

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X E. Williams ☒ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 2-28-20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

USPS Tracking®

FAQs >

Track Another Package +

Tracking Number: 70183090000108809484

Remove ×

Your item was delivered to the front desk, reception area, or mail room at 1:30 pm on February 28, 2020 in FORT WORTH, TX 76102.

Delivered

February 28, 2020 at 1:30 pm
Delivered, Front Desk/Reception/Mail Room
FORT WORTH, TX 76102

Get Updates ⌄

Feedback

Text & Email Updates ⌄

Tracking History ⌃

February 28, 2020, 1:30 pm
Delivered, Front Desk/Reception/Mail Room
FORT WORTH, TX 76102
Your item was delivered to the front desk, reception area, or mail room at 1:30 pm on February 28, 2020 in FORT WORTH, TX 76102.

February 28, 2020, 4:33 am
Departed USPS Regional Destination Facility
FORT WORTH TX DISTRIBUTION CENTER

February 27, 2020, 7:38 am
Arrived at USPS Regional Destination Facility
FORT WORTH TX DISTRIBUTION CENTER

February 26, 2020, 3:35 pm
Arrived at USPS Regional Destination Facility
COPPELL TX DISTRIBUTION CENTER

February 26, 2020
In Transit to Next Facility

February 25, 2020, 8:29 am
Departed USPS Facility
ALBUQUERQUE, NM 87101

February 24, 2020, 10:43 pm
Arrived at USPS Origin Facility
ALBUQUERQUE, NM 87101

February 24, 2020, 3:27 pm
Departed Post Office
ALBUQUERQUE, NM 87101

February 24, 2020, 2:55 pm
USPS in possession of item
ALBUQUERQUE, NM 87101

Feedback

Product Information

See Less

Can’t find what you’re looking for?

Go to our FAQs section to find answers to your tracking questions.

FAQs

USPS Tracking®

FAQs >

Track Another Package +

Tracking Number: 70183090000108809415

Remove ×

Your item was picked up at a postal facility at 7:38 am on March 2, 2020 in MIDLAND, TX 79702.

Delivered

March 2, 2020 at 7:38 am
Delivered, Individual Picked Up at Postal Facility
MIDLAND, TX 79702

Get Updates

Feedback

Text & Email Updates

Tracking History

March 2, 2020, 7:38 am
Delivered, Individual Picked Up at Postal Facility
MIDLAND, TX 79702
Your item was picked up at a postal facility at 7:38 am on March 2, 2020 in MIDLAND, TX 79702.

March 1, 2020
In Transit to Next Facility

February 28, 2020, 3:41 am
Departed USPS Regional Destination Facility
MIDLAND TX DISTRIBUTION CENTER

February 27, 2020, 10:01 pm
Arrived at USPS Regional Destination Facility
MIDLAND TX DISTRIBUTION CENTER

February 27, 2020, 12:01 pm
Arrived at USPS Facility
ODESSA, TX 79761

February 27, 2020, 11:41 am
Departed USPS Regional Facility
MIDLAND TX DISTRIBUTION CENTER

February 27, 2020, 8:22 am
Arrived at Unit
ODESSA, TX 79761

February 27, 2020, 12:25 am
Arrived at USPS Regional Destination Facility
MIDLAND TX DISTRIBUTION CENTER

February 25, 2020, 8:29 am
Departed USPS Facility
ALBUQUERQUE, NM 87101

February 24, 2020, 10:43 pm
Arrived at USPS Origin Facility
ALBUQUERQUE, NM 87101

February 24, 2020, 3:27 pm
Departed Post Office
ALBUQUERQUE, NM 87101

February 24, 2020, 2:55 pm
USPS in possession of item
ALBUQUERQUE, NM 87101

Feedback

Product Information

See Less

Can’t find what you’re looking for?

Go to our FAQs section to find answers to your tracking questions.

FAQs

Feedback

USPS Tracking®

FAQs >

Track Another Package +

Tracking Number: 70183090000108809408

Remove ×

Your item was delivered to an individual at the address at 2:50 pm on March 9, 2020 in DALLAS, TX 75243.

Delivered

March 9, 2020 at 2:50 pm
Delivered, Left with Individual
DALLAS, TX 75243

Get Updates

Feedback

Text & Email Updates

Tracking History

March 9, 2020, 2:50 pm
Delivered, Left with Individual
DALLAS, TX 75243
Your item was delivered to an individual at the address at 2:50 pm on March 9, 2020 in DALLAS, TX 75243.

March 9, 2020
In Transit to Next Facility

March 6, 2020, 8:52 pm
Departed USPS Regional Facility
OKLAHOMA CITY OK DISTRIBUTION CENTER

March 6, 2020, 1:42 pm
Arrived at USPS Regional Facility
OKLAHOMA CITY OK DISTRIBUTION CENTER

February 27, 2020, 4:56 am
Departed USPS Regional Facility
DALLAS TX DISTRIBUTION CENTER

February 26, 2020, 3:53 pm
Arrived at USPS Regional Destination Facility
DALLAS TX DISTRIBUTION CENTER

February 25, 2020, 8:29 am
Departed USPS Facility
ALBUQUERQUE, NM 87101

February 24, 2020, 10:43 pm
Arrived at USPS Origin Facility
ALBUQUERQUE, NM 87101

February 24, 2020, 3:27 pm
Departed Post Office
ALBUQUERQUE, NM 87101

February 24, 2020, 2:55 pm
USPS in possession of item
ALBUQUERQUE, NM 87101

Feedback

Product Information

See Less

Can’t find what you’re looking for?

Go to our FAQs section to find answers to your tracking questions.

FAQs

USPS Tracking®

FAQs >

Track Another Package +

Tracking Number: 70183090000108809347

Remove ×

Your item was delivered to an individual at the address at 12:17 pm on February 27, 2020 in MIDLAND, TX 79701.

Delivered

February 27, 2020 at 12:17 pm
Delivered, Left with Individual
MIDLAND, TX 79701

Get Updates ⌄

Feedback

Text & Email Updates ⌄

Tracking History ⌃

February 27, 2020, 12:17 pm
Delivered, Left with Individual
MIDLAND, TX 79701
Your item was delivered to an individual at the address at 12:17 pm on February 27, 2020 in MIDLAND, TX 79701.

February 27, 2020, 12:57 am
Departed USPS Regional Destination Facility
MIDLAND TX DISTRIBUTION CENTER

February 26, 2020, 10:16 pm
Arrived at USPS Regional Destination Facility
MIDLAND TX DISTRIBUTION CENTER

February 26, 2020
In Transit to Next Facility

February 25, 2020, 8:29 am
Departed USPS Facility
ALBUQUERQUE, NM 87101

February 24, 2020, 10:43 pm
Arrived at USPS Origin Facility
ALBUQUERQUE, NM 87101

February 24, 2020, 3:27 pm
Departed Post Office
ALBUQUERQUE, NM 87101

February 24, 2020, 2:55 pm
USPS in possession of item
ALBUQUERQUE, NM 87101

Product Information

Feedback

See Less

Can’t find what you’re looking for?

Go to our FAQs section to find answers to your tracking questions.

FAQs

ATTACHMENT C

AFFIDAVIT OF PUBLICATION

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 25, 2020
and ending with the issue dated
February 25, 2020.

Publisher

Sworn and subscribed to before me this
25th day of February 2020.

Business Manager

My commission expires
January 29, 2023
(Seal)

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

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

LEGALS

LEGAL NOTICE
FEBRUARY 25, 2020

3Bear Field Services, LLC; 415 W. Wall St., Suite 1212; 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 SWD #1. The proposed well will be located at approximately 259 feet FWL & 3882 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.
#35242

67101169 00239785

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