

# SWD

## *Initial*

# Application

Received: 09/02/19

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

RECEIVED: <b>09/02/19</b>	REVIEWER:	TYPE: <b>SWD</b>	APP NO: <b>pLEL1925949176</b>
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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:** Golden Gate SWD #1 **API:** New Well  
**Pool:** NA **Pool Code:** NA

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

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

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

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

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

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

Alberto A. Gutierrez, RG (Consultant to 3Bear)

Print or Type Name

Signature

September 2, 2019

Date

505-842-8000

Phone Number

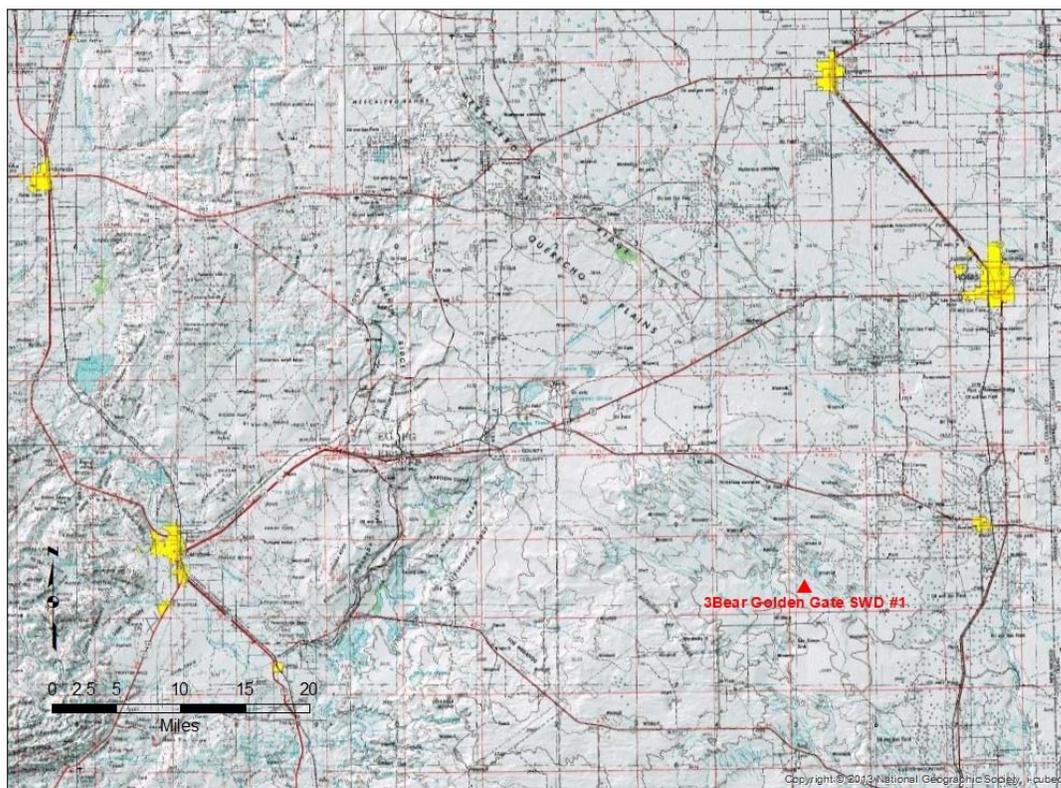
aag@geolex.com

e-mail Address



# Proposed 3Bear Golden Gate SWD #1 Application for Administrative Authorization to Inject

1305' FWL, 151' FSL Section 20, T22S, R35E, Lea Co., New Mexico



**August 30, 2019**

*Prepared for:*

**3Bear Field Services LLC  
500 Don Gaspar Avenue  
Santa Fe, New Mexico 87505**

*Prepared by:*

**Geolex, Inc.  
500 Marquette Avenue, NW, #1350  
Albuquerque, New Mexico 87102**

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance  Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval?  Yes \_\_\_\_\_ No
- II. OPERATOR: 3Bear Field Services, LLC.  
ADDRESS: 500 Don Gaspar Ave., Santa Fe NM 87505  
CONTACT PARTY: Alberto A. Gutierrez, 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. **A CROSS REFERENCE TO THE APPLICABLE SECTIONS OR APPENDICES IN THE ATTACHED C108 APPLICATION FOR EACH ROMAN NUMERAL BELOW IS SPECIFIED BY SECTION AND/OR APPENDIX NUMBERS.**
- IV. Is this an expansion of an existing project? \_\_\_\_\_ Yes  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; APPENDICES A and B.**
- 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:
- Proposed average and maximum daily rate and volume of fluids to be injected; **SECTIONS 1, 2, and 3**
  - Whether the system is open or closed; **SECTIONS 1, 2, 4 and 7**
  - Proposed average and maximum injection pressure; **SECTIONS 1 and 3**
  - 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**
  - If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.). **SECTIONS 3 and 4**
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval. **SECTIONS 4 and 5 and APPENDIX A**
- IX. Describe the proposed stimulation program, if any. N/A
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). **WELL IS NOT YET DRILLED**
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. **SECTION 4.5**
- 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. Gutierrez, C.P.G. TITLE: President, Geolex, Inc.<sup>®</sup>; Consultant to DCP Midstream LP

SIGNATURE:  DATE: 09/02/2019

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: **SEE ATTACHED APPLICATION**

### 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.

**Golden Gate SWD #1 Surface: 1305' FWL, 151' FSL Section 20, T22S, R35E, - SECTIONS 1, 3 and 4.**

(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. **SEE SECTION 3 FOR PROPOSED WELL DESIGN. FINAL DESIGNS WILL BE SUBMITTED WHEN PROPOSED WELL IS DRILLED AND COMPLETED.**

(3) A description of the tubing to be used including its size, lining material, and setting depth. **SECTION 3 AND FIGURE 3 FOR PROPOSED WELL DESIGN**

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used. **SECTION 3**

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. **SECTIONS 1 and 4**

(2) The injection interval and whether it is perforated or open-hole. **SECTION 3**

(3) State if the well was drilled for injection or, if not, the original purpose of the well. **N/A- WELL NOT YET DRILLED**

(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. **N/A**

(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. **SECTIONS 4 and 5; APPENDICES A and B**

### 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. **SECTION 5; APPENDIX B CONTAINS COPIES OF LETTERS SENT OPERATORS, LEASEHOLD OWNERS AND SURFACE OWNERS WITHIN THE AREA OF REVIEW PURSUANT TO NMOCD REGULATIONS AND CERTIFIED MAIL RETURN RECEIPTS**

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: **SEE APPENDIX B FOR COPY OF PUBLIC NOTICE AND AFFIDAVIT OF PUBLICATION OF NOTICE FROM NEWSPAPER**

(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.

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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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Appendix B: Identification of Operators, Lessees, Surface Owners, and other Interested Parties within One Half Mile of Proposed Golden Gate SWD #1 for Notices; Copies of Notice Letters and Certified Mail Receipts, and Affidavit of Publication of Newspaper Notice

## 1.0 EXECUTIVE SUMMARY

On the 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 salt water disposal well (Golden Gate SWD #1) at 151' FSL, 1305' FWL in Section 20, T22S, R35E in Lea County, New Mexico, approximately 14 miles Southwest of Jal, New Mexico (Figure 1).

3Bear will construct surface facilities at this location, and this new disposal well is proposed in order to properly dispose of saltwater from this 3Bear's activities (Figure 2). 3Bear intends to inject up to 25,000 barrels per day (bpd) through the proposed well.

The proposed injection zone will be in the Devonian and Upper Silurian Wristen and Fusselman Formations, as well as the upper Ordovician Upper Montoya Formation, at depths of approximately 15,600 to 16,500 feet. Analysis of the reservoir characteristics of these units confirms that they act as excellent closed-system reservoirs that will accommodate 3Bear's saltwater disposal needs.

There are 51 recorded wells within two miles of the proposed 3Bear Golden Gate SWD #1 (see Figure A1, and Table A1Appendix A). Of these 15 are active, 12 are plugged and abandoned, and 24 are approved locations that have not drilled. Within one-half mile there are only 4 wells, 2 of which are active and 2 that are plugged and abandoned.

Only one well in the two-mile radius was drilled deeper than 15,000 feet. This well, the Yates Petroleum Northern AKQ SWD 001 is 1.65 miles southeast of the proposed SWD and was drilled to 15,390 feet in April 1979, and immediately plugged back to 12,376 feet and completed in the Wolfcamp. The well was plugged and abandoned in October 1993. Plugging documentation (Appendix A) indicates that the well was properly plugged and poses no hazard of migration from the deeper injection zone.

The caprock above the injection zone contains approximately 260 feet of dense shale (Woodford Shale) and an additional 700 feet of low-permeability carbonates in the Osage and Barnett formations. Those formations will contain the injected water, and prevent any up migration.

The well will be constructed using a 4-string design to protect shallow fresh water, the Salado salt, the Capitan Aquifer, and deeper production zones (Figure 3). The three upper casing segments (to 11,530 feet) will be cemented to the surface, and a 7 5/8" liner will be run from 11,300 feet to 15,600 feet, with an overlap within the 9 5/8" of 230 feet. The well will then be completed as an open-hole interval, from approximately 15,600 to 16,500 feet.

Based on the New Mexico Water Rights Database from the New Mexico Office of the State Engineer, there are no freshwater wells within the one mile of review for the proposed saltwater disposal well.

All surface ownership within one-half mile of the proposed Golden Gate SWD #1 is held by the State of Mexico and the Merchant Livestock Company. All mineral rights in the one-half mile area are held by the State of New Mexico. Operators and/or mineral lessees in the area of interest include Chisholm Energy Operating, LLC, Devon Energy Production Company, LP, EOG Resources Inc. and Centennial Resources Production, LLC. Complete information on land ownership, operators, and lease holders are included in Appendix B.

In preparing this C-108 application, Geolex conducted a detailed examination of all of 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 within 2 miles of the proposed location.
- The depths of perforated pay intervals in those wells relative to the depth of the target injection zones (Devonian, Fusselman and Montoya).
- The past and current uses of the proposed intervals.
- The stratigraphic and structural setting of the targeted zones relative to any nearby active or plugged wells, and other wells penetrating the intervals.
- The identification of and sample notification letter that will be sent to all surface owners within a one-half mile radius of the proposed injection well.
- 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 fresh water 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 Golden Gate 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 herein.

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, production 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)

### 3.0 PROPOSED CONSTRUCTION AND OPERATION OF 3BEAR SWD #1

#### 3.1 DESIGN OF 3BEAR SWD #1

The SWD facilities and well will be integrated components of the 3Bear surface facilities. The preliminary well design for the new injection well is shown on Figure 3. This well will be made to accommodate injection of 25,000 bpd of produced water.

The well will be advanced vertically to its anticipated total depth of approximately 16,500 feet. The injection zone (15,600 to 16,500 feet) will be completed as an open hole interval.

The four casing strings are detailed on the well injection data sheet and Figure 4 schematic. Surface casing (20") will be set in a competent bed above the salt, at approximately 1,600 feet. The first intermediate casing (13 3/8") will be set through the salt to approximately 5,700 feet to protect the Capitan Aquifer. The second intermediate 9 5/8" casing will be advanced to approximately 11,050 feet protecting the 1<sup>st</sup> and 2<sup>nd</sup> sands of the Bone Spring. The 7 5/8" production liner will be placed from 11,300 feet to 15,600 feet, with an overlap of 230 feet. The final completion will be constructed as a 6 1/8" open hole interval, to a total depth of approximately 16,500 feet.

Both intermediate segments will be logged using Dual Induction and Density-Neutron-Gamma Ray Porosity. The proposed open hole logging suite for the TD run consists of a Dual Induction, Density-Neutron-Gamma Ray Porosity.

All casing segments will be cemented to the surface, and the liner will be cemented approximately 200 feet into the 9 5/8" second intermediate. A casing integrity test (pressure test) will be performed to test the casing. Full 360-degree cement-bond logs will be performed for each casing segment as well.

Once the integrity of the cement jobs has been determined a temporary string of removable packer and tubing will be run, and injection tests (step tests) will be performed to determine the final injection pressures and volumes. Once the reservoirs have been tested, the final tubing string will include a permanent packer, and approximately 14,625 feet of 5 1/2-inch tubing.

### 3.2 CALCULATED MAXIMUM ALLOWABLE OPERATING PRESSURE (MAOP)

The total volume of produced water to be injected under this scenario will be approximately 25,000 barrels per day. Pressure reduction valves will be incorporated to assure that maximum allowable operating pressure allowed by NMOCD will not be exceeded.

The MAOP for the 3Bear SWD #1 is calculated using the following method approved by NMOCD as shown below:

$$\text{IPmax} = \text{PG} (\text{Dtop}) \quad \text{where:} \quad \begin{array}{l} \text{IPmax} = \text{maximum surface injection pressure (psig)} \\ \text{PG} = \text{pressure gradient of mixed injection fluid (psig/foot)} \\ \text{Dtop} = \text{depth at top of perforated interval of injection zone (feet)} \end{array}$$

and  $\text{PG} = 0.2 + 0.433 (1.04 - \text{SGsw})$  where:

$\text{SGsw}$  = specific gravity of the disposed salt water (~1.04)

Therefore:

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

$$\text{IPmax} = \text{PG} (\text{Dtop}) = 0.2 \times 15,600 = 3,120 \text{ psig}$$

3Bear requests a MAOP to 3,120 psig.

## 4.0 REGIONAL AND LOCAL GEOLOGY AND HYDROGEOLOGY

### 4.1 GENERAL GEOLOGIC SETTING/SURFICIAL GEOLOGY

The 3Bear Golden Gate SWD #1 will be located in Section 20, T22S, R35E in Lea County, New Mexico, approximately 14 miles Southwest of Jal, New Mexico (Figure 1).

### 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, which covers a large area of southeastern New Mexico and west Texas ( Figure 4). The Permian Basin lies within the area of the larger, ancestral (pre-Mississippian) Tabosa Basin, which covered an area that included the entire present-day Permian Basin area and beyond. The Tabosa Basin was a shallow sub-tropical basin throughout the period between the Ordovician and early Mississippian (Osagean). The Permian Basin as we know it today began to take form during the Middle to Late Mississippian, with various segments (Delaware and Midland Basins, Central Basin Platform, North Platforms) 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 by basin subsidence.

Figure 5 is a generalized stratigraphic column showing the formations 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. The result of this exposure was development of systems of karst-related secondary porosity, which included solution-enlargement of fractures and vugs, and development of small cavities and caves. Particularly in the Fusselman, solution features from temporally-distinct karst events became interconnected with each successive episode, so there could be some degree of vertical continuity in parts of the Fusselman section that could lead to enhanced vertical and horizontal permeability.

In this immediate area of the Permian Basin, major tectonic activity was primarily confined to the lower Paleozoic section, where seismic data shows major faulting and ancillary fracturing affected rocks only as high up as the lower Woodford Shale. Faulting higher 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 sit on the basement over a veneer of Early Ordovician sandstones and granite wash. The Ellenburger is comprised of dolomites and limestones, and is up to several hundred feet thick. It is overlain by about 400 feet of Ordovician Simpson sandstones and tight limestones, in turn overlain by about 400 feet of Montoya cherty carbonates.

The Silurian Fusselman and Wristen, and Devonian Thirty-one Formations overlie the Montoya, and are comprised of interbedded dolomites and dolomitic limestones that are capped by the Woodford Shale. The Woodford shale is overlain by several hundred feet of Osagean limestone, which is overlain by several hundred feet of shales and basinal limestones of the Upper Mississippian Chester Formation. The Pennsylvanian Morrow, Atoka, Strawn, and a starved section of Cisco-Canyon 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 for more than 10 miles away from the well site.

#### **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. The proposed injection interval includes a number of intervals of dolomites and dolomitic limestones with moderate to high primary porosity, and secondary, solution-enlarged porosity that is related to karst events that periodically occurred throughout the section, most notably in the Fusselman Formation. These karst events produced solution cavities and enlarged fractures throughout the section, which can be substantial enough to provide additional permeability that is not readily apparent on well logs. The porous zones are separated by tight limestones and dolomites.

There are no producing zones within or below the Siluro-Devonian in the area of the proposed well, and the injection interval is separated from the nearest producing zone (Morrow) by 260 feet of Woodford shale, 500 feet of tight Osagean limestones, and 400 feet of tight Chesterian and Barnett shales and deep water limestones. It lies a minimum of 1,000 feet above the Precambrian basement.

#### **4.4 CHEMISTRY OF THE RESERVOIR FLUIDS**

Reservoir fluids were collected and analyzed from the Devonian interval at the DCP Midstream Zia AGI #2 (3002542207), located in Section 19, T19S, R 32E, approximately 18 miles northeast of the proposed WD #1. These analyses showed an average of TDS of 42,750 parts per million (ppm). The major ions were chloride (23,700 ppm) and sodium (15,140 ppm). The Devonian reservoir fluids are compatible with produced waters from wells in this area.

#### **4.5 GROUNDWATER HYDROLOGY IN THE VICINITY OF THE PROPOSED INJECTION WELL**

A review of the State Engineer's files shows no reported water wells within one mile of the proposed 3Bear Golden Gate SWD #1 location. Total dissolved solids in the shallow groundwater in the project area is highly variable, ranging from 5,000 to over 125,000 parts per million (*Hydrological Assessment and Groundwater Modeling Report for the HB In-Situ Solution Mine Project EIS*, AECOM, February 2011; Figure 4-9, p. 4-15). As described in Section 3.1, the surface casing will be extended to approximately 1,600 feet, effectively isolating the shallow ground water.

## 5.0 OIL AND GAS WELLS IN THE 3BEAR SWD#1 AREA OF REVIEW

There are 51 recorded wells within two miles of the proposed 3Bear Golden Gate SWD #1 (see Figure A1, and Table A1Appendix A). Of these 15 are active, 12 are plugged and abandoned, and 24 are approved locations that have not drilled. Within one-half mile there are only 4 wells, 2 of which are active and 2 that are plugged and abandoned.

Only one well in the two-mile radius was drilled deeper than 15,000 feet. This well, the Yates Petroleum Northern AKQ SWD 001 is 1.65 miles southeast of the proposed SWD and was drilled to 15,390 feet in April 1979, and immediately plugged back to 12,376 feet and completed in the Wolfcamp. The well was plugged and abandoned in October 1993. Plugging documentation (Appendix A) indicates that the well was properly plugged and poses no hazard of migration from the deeper injection zone.

API	WELL_NAME	COMPL_STAT	OPERATOR	TYPE	SPUD_DATE	DEPTH	MILES
NEW WELL		New/Not Completed	3BEAR FIELD SERVICES LLP	S			0.00
3002543928	BRIDGE STATE UNIT 301H	Active	EOG RESOURCES INC	O	9/3/2017	9719	0.10
3002542859	BRIDGE STATE UNIT 501H	Active	EOG RESOURCES INC	O	1/8/2016	11339	0.18
3002544040	CANNON BS3 STATE COM 001H	New/Not Completed	ONE ENERGY PARTNERS OPERATING, LLC	O		0	0.37
3002544039	CANNON BS2 STATE COM 001H	New/Not Completed	ONE ENERGY PARTNERS OPERATING, LLC	O		0	0.38

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

3Bear contracted Lonquist & Company, LLC to research land records in Lea County to obtain a listing of all operators, oil, gas and mineral lessees, and surface owners within a one-half mile radius of the proposed AGI well. Appendix B includes the results from that search.

Table B-1 summarizes the operators and lessees in the one-half mile area of review, and Table B-2 lists the identified surface owners. These Tables comprises the universe of persons that must be notified 15 days prior to this submittal of this application to the NMOCD. The areas held by operators are shown in Figure B-1, Figure B-2 shows the areas held by lessees, and Figure B-3 depicts surface ownership. Appendix B also includes copies of individual Notice Letters and Certified Mail Receipts, and Copies of the newspaper notice and affidavit of publication.

**7.0 AFFIRMATIVE STATEMENT OF LACK OF HYDRAULIC CONNECTION  
BETWEEN 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 3Bear Golden Gate 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, 4 and 5 above including related appendices. Based on this investigation and 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 with any known sources of drinking water or oil or gas production in the vicinity as described above in Sections 4 and 5 of this application.

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

Alberto A. Gutierrez, R.G  
President  
Geolex, Inc.



Date: August 30, 2019

## **Figures**

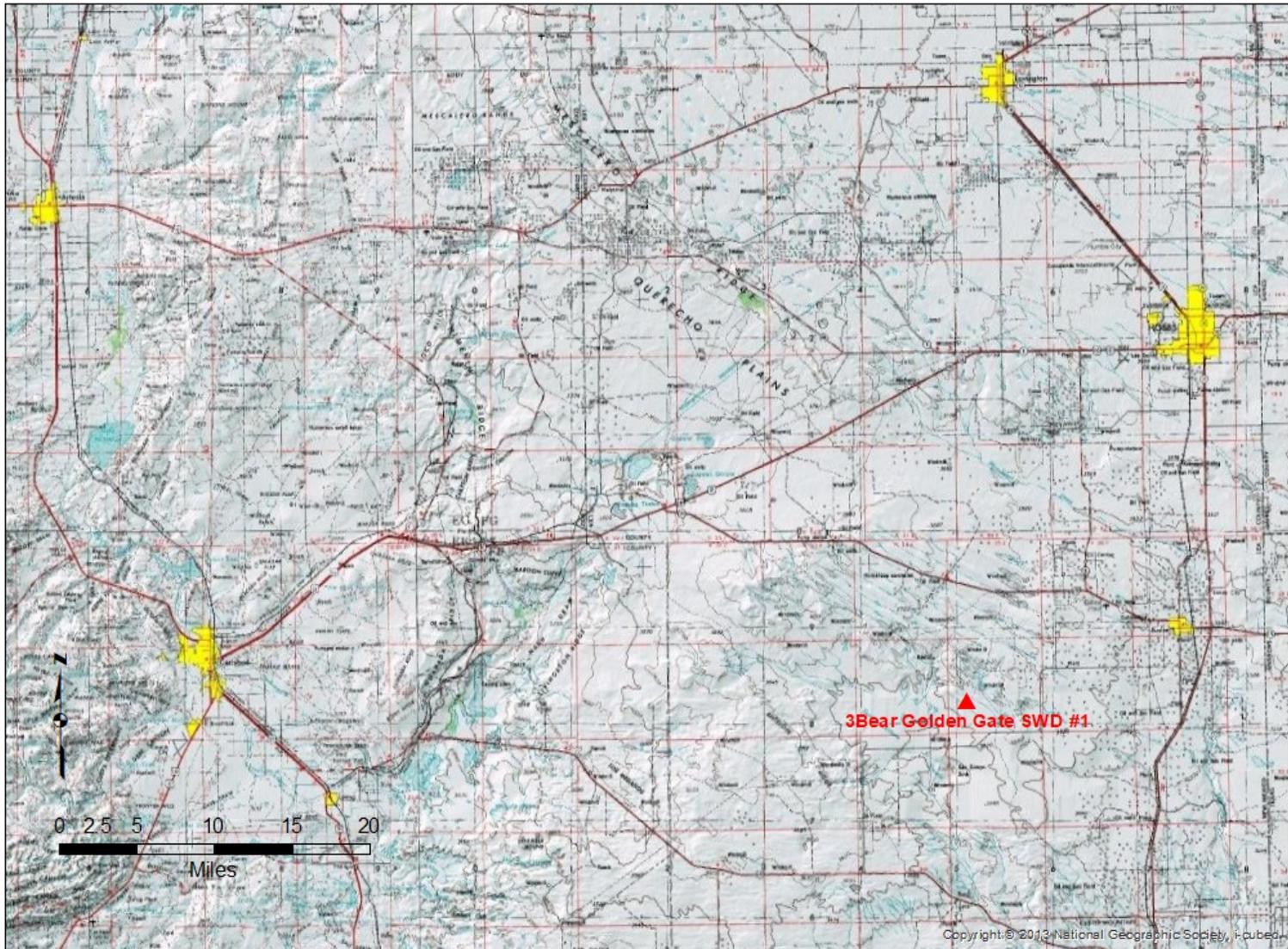


Figure 1: Location of Proposed 3Bear Golden Gate SWD #1

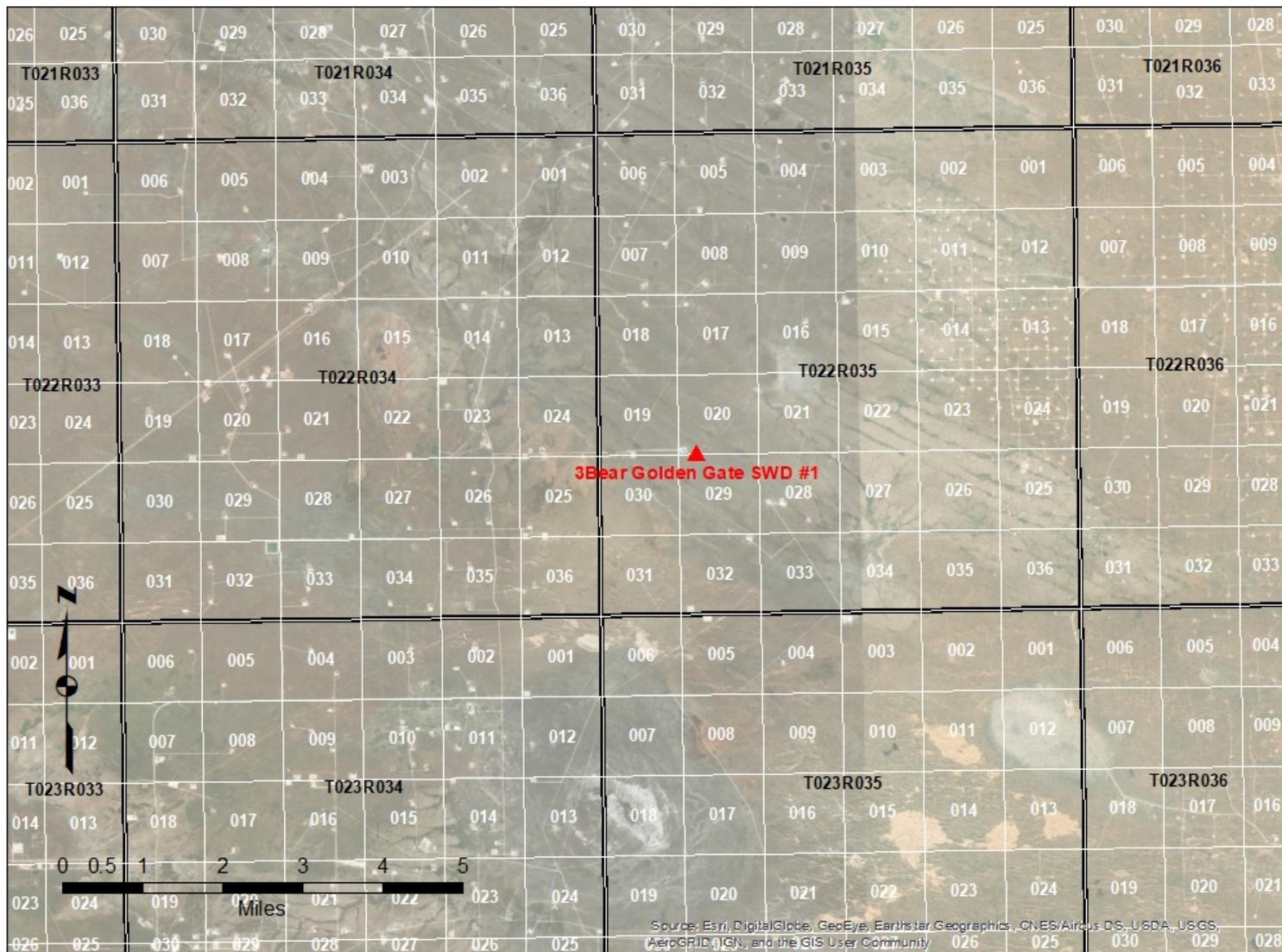


Figure 2: Detail Location of 3Bear Proposed Golden Gate SWD #1

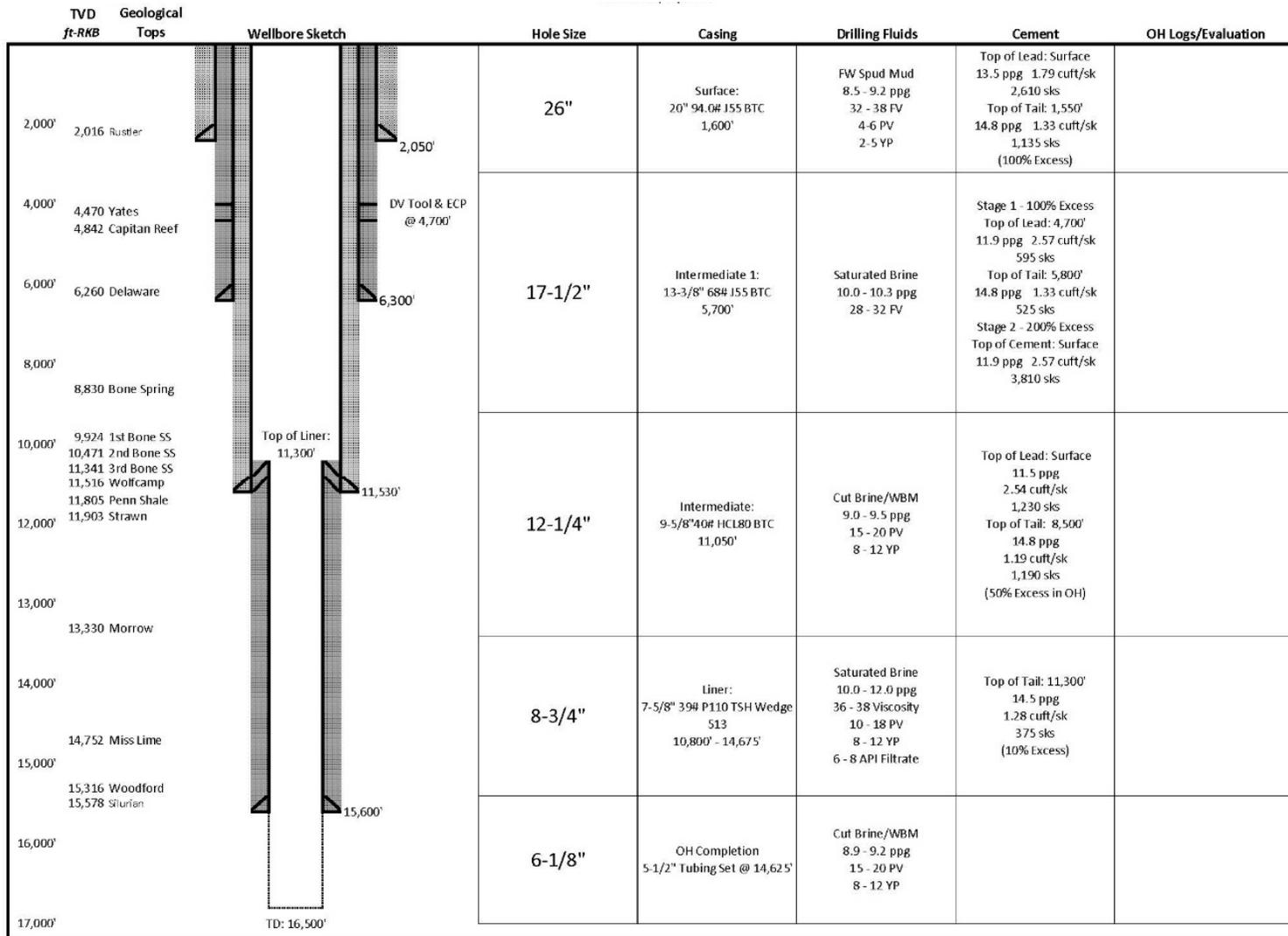


Figure 3: Well Schematic for Proposed 3 Bear Golden Gates SWD #1

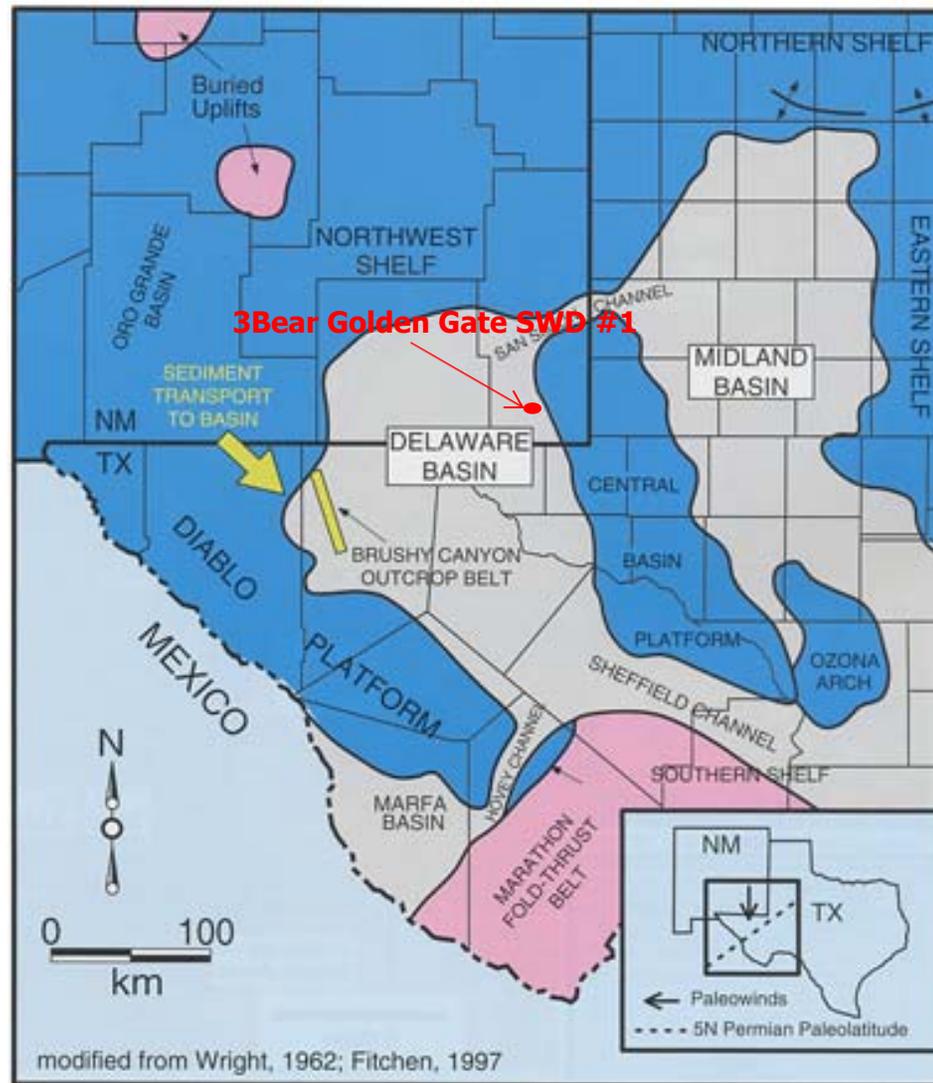
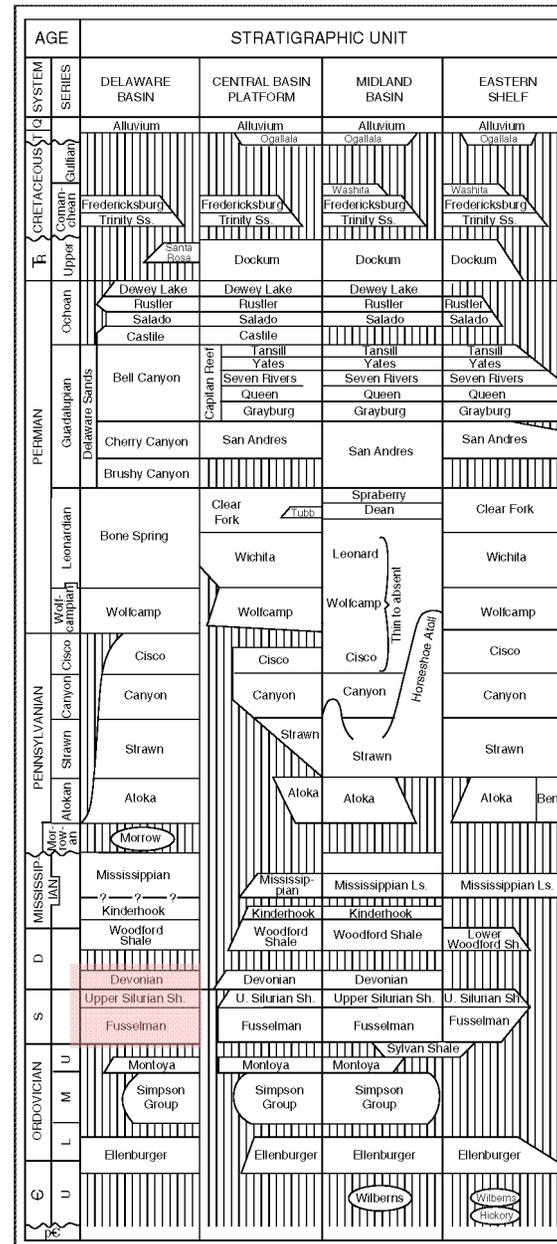


Figure 4: General Structure of the Permian Basin

Figure 5: General Stratigraphy of the Permian Basin

Proposed Injection Zone:  
Devonian and Silurian



## **Appendix A:**

### **Information on Oil and Gas Wells within Two Miles of Proposed 3Bear Golden Gate SWD #1**

**Table A-1: Wells within Two Miles of Proposed 3Bear Golden Gate SWD #1**

**Figure A-1: Wells within Two Miles of Proposed 3Bear Golden Gate SWD #1**

**Attachment A-1: Plugging Information for Well 3002525443**

Table A-1: List of Recorded Wells within Two Miles of Proposed 3Bear Golden Gates SWD #1

API	WELL_NAME	COMPL_STAT	SECTION	TOWNSHIP	RANGE	OPERATOR	LAND_TYPE	WELL_TYPE	SPUD_DATE	PLUG_DATE	ELEVGL	TVD_DEPTH	LATITUDE	LONGITUDE	MILES
NEW WELL	GOLDEN GATE SWD #1	New/Not Completed	20	22.05	35E	3BEAR FIELD SERVICES LLP	P	S			3589		32.37037	-103.39397	0.00
3002543928	BRIDGE STATE UNIT 301H	Active	20	22.05	35E	EOG RESOURCES INC	S	O	9/3/2017		3585	9719	32.3707946	-103.3955524	0.10
3002542859	BRIDGE STATE UNIT 501H	Active	20	22.05	35E	EOG RESOURCES INC	S	O	1/8/2016		3573	11339	32.37059527	-103.3970158	0.18
3002544040	CANNON BS3 STATE COM 001H	New/Not Completed	30	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3550	0	32.36935841	-103.4002202	0.37
3002544039	CANNON BS2 STATE COM 001H	New/Not Completed	30	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3550	0	32.36935826	-103.400383	0.38
3002544077	ALAMO BS3 STATE COM 001H	New/Not Completed	30	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3560	0	32.36873867	-103.4046474	0.63
3002544078	ALAMO BS2 STATE COM 001H	New/Not Completed	30	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3561	0	32.36873853	-103.4048101	0.64
3002541675	MERCHANT LIVESTOCK 19 STATE 002H	Active	19	22.05	35E	GMT EXPLORATION COMPANY LLC	S	O	4/26/2014		3551	10492	32.37000703	-103.4076893	0.80
3002541676	MERCHANT LIVESTOCK 30 STATE 002H	Active	30	22.05	35E	GMT EXPLORATION COMPANY LLC	S	O	6/8/2014		3550	11460	32.36978712	-103.4076913	0.80
3002508633	CARPER AZTEC 001	Plugged	20	22.05	35E	CARPER DRILLING CO	S	O	27-Dec-57	16-Mar-58	3531	4461	32.37901198	-103.3831281	0.87
3002543937	BRIDGE STATE UNIT COM 302H	New/Not Completed	29	22.05	35E	EOG RESOURCES INC	S	O			3540	0	32.35632299	-103.3960331	0.98
3002544489	ANTLER 17 STATE 2BS 005H	New/Not Completed	17	22.05	35E	CHISHOLM ENERGY OPERATING, LLC	S	O			3551	0	32.38485325	-103.3942943	1.00
3002544143	ANTLER 17 STATE 2BS 003H	Active	17	22.05	35E	CHISHOLM ENERGY OPERATING, LLC	S	O	1/21/2018		3552	10311	32.38485364	-103.3944897	1.00
3002544142	ANTLER 17 STATE 1BS 002H	Active	17	22.05	35E	CHISHOLM ENERGY OPERATING, LLC	S	O	2/26/2018		3553	9501	32.38485404	-103.3946685	1.00
3002543584	BRIDGE STATE UNIT 602H	Active	29	22.05	35E	EOG RESOURCES INC	S	O	3/1/2017		3529	11385	32.3560432	-103.3886044	1.04
3002542205	TRUSS BVT STATE 001H	Plugged	29	22.05	35E	YATES PETROLEUM CORPORATION	S	O	10/30/2014	2/12/2019	3536	100	32.35596927	-103.3874292	1.06
3002545303	LENNOX 32 STATE 003H	New/Not Completed	32	22.05	35E	CAZA OPERATING, LLC	S	O			3535	0	32.35443799	-103.3929072	1.10
3002545304	LENNOX 32 STATE 005H	New/Not Completed	32	22.05	35E	CAZA OPERATING, LLC	S	O			3535	0	32.35443792	-103.3928096	1.10
3002545305	LENNOX 32 STATE 007H	New/Not Completed	32	22.05	35E	CAZA OPERATING, LLC	S	O			3534	0	32.35443786	-103.3927119	1.10
3002524680	ROCK LAKE UNIT 001	Plugged	28	22.05	35E	BP AMERICA PRODUCTI	S	O	12-Apr-74	12-Jan-77	3581	14129	32.36087404	-103.3788372	1.10
3002508632	STATE N 001	Plugged	19	22.05	35E	TIDEWATER OIL CO	S	O	20-Aug-44	17-Oct-44	3555	4500	32.37533577	-103.4128778	1.16
3002545306	LENNOX 32 STATE 008H	New/Not Completed	32	22.05	35E	CAZA OPERATING, LLC	S	O			3539	0	32.35521616	-103.3849877	1.17
3002545307	LENNOX 32 STATE 009H	Active	32	22.05	35E	CAZA OPERATING, LLC	S	O	1/18/2019		3539	9837	32.3552161	-103.3848901	1.17
3002545308	LENNOX 32 STATE 010H	Active	32	22.05	35E	CAZA OPERATING, LLC	S	O	2/6/2019		3539	9850	32.35521604	-103.3847925	1.17
3002536025	GERONIMO 28 STATE COM 001	Plugged	28	22.05	35E	CHEVRON MIDCONTINENT, L.P.	S	O	2-Nov-02	4/15/2010	3555	14314	32.36079387	-103.3757782	1.25
3002540451	LENNOX 32 STATE 002H	Active	32	22.05	35E	CAZA OPERATING, LLC	S	O	2/19/2012		3536	11850	32.35451928	-103.3831336	1.26
3002543349	LENNOX 33 STATE 006H	Active	32	22.05	35E	CAZA OPERATING, LLC	S	O	10/1/2016		3526	8530	32.35458178	-103.3817312	1.30
3002536431	LITTLE KINGS 003	Plugged	17	22.05	35E	DEVON ENERGY PRODUCTION COMPANY, LP	S	O	13-Oct-03	10/24/2003	3555	4300	32.39028403	-103.3911705	1.38
3002541349	MERCHANT LIVESTOCK 24 STATE COM 004H	New/Not Completed	24	22.05	34E	GMT EXPLORATION COMPANY LLC	S	O			3508	0	32.37000414	-103.4180378	1.41
3002541351	MERCHANT LIVESTOCK 25 STATE COM 004H	New/Not Completed	25	22.05	34E	GMT EXPLORATION COMPANY LLC	S	O			3509	0	32.36978424	-103.4180408	1.41
3002544372	OJO CHISO 002	New/Not Completed	24	22.05	34E	GRAMA RIDGE DISPOSAL, LLC	S	S			3494	0	32.37107938	-103.421201	1.59
3002508667	SAN SIMON C 29 STATE 001	Plugged	28	22.05	35E	CARTER OIL CO	S	O	16-Jun-33	21-Sep-33	3500	4474	32.36813803	-103.366012	1.64
3002525443	NORTHERN AKQ STATE 001	Plugged	28	22.05	35E	YATES PETROLEUM CORPORATION	S	S	4/23/1979	22-Oct-93	3524	15390	32.35725197	-103.3703142	1.65
3002541348	MERCHANT LIVESTOCK 24 STATE COM 003H	New/Not Completed	24	22.05	34E	GMT EXPLORATION COMPANY LLC	S	O			3478	0	32.37000795	-103.4223341	1.66
3002542737	ARCH 28 STATE 601H	Plugged	28	22.05	35E	EOG RESOURCES INC	S	O	9/29/2015	2/13/2019	3537	10	32.36926815	-103.3649374	1.70
3002544226	BEAVER CREEK WCXY STATE COM 001H	New/Not Completed	13	22.05	34E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3525	0	32.3850784	-103.4181574	1.74
3002544033	BEAVER CREEK BS3 STATE COM 001H	New/Not Completed	13	22.05	34E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3525	0	32.38507815	-103.4183202	1.75
3002544037	SILVERTON BS3 STATE COM 001H	New/Not Completed	18	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3592	0	32.39327046	-103.4085067	1.79
3002544275	SILVERTON BS1 STATE COM 001H	New/Not Completed	18	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3591	0	32.39327027	-103.4086694	1.80
3002544276	SILVERTON BS2 STATE COM 001H	New/Not Completed	18	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3587	0	32.39327008	-103.4088322	1.80
3002544277	LOVELAND BS1 STATE COM 001H	New/Not Completed	18	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3574	0	32.39150772	-103.4131059	1.84
3002534820	ANTLER 17 STATE 001	Active	17	22.05	35E	NEARBURG PRODUCING CO	S	G	6-May-00		3585	13840	32.3971053	-103.3959592	1.85
3002544278	LOVELAND BS2 STATE COM 001H	New/Not Completed	18	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3573	0	32.3915958	-103.413233	1.85
3002544036	LOVELAND BS3 STATE COM 001H	New/Not Completed	18	22.05	35E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3573	0	32.39168387	-103.4133569	1.86
3002541702	CABLE BVL STATE 001H	Plugged	22	22.05	35E	YATES PETROLEUM CORPORATION	S	O	3/28/2014	2/11/2019	3559	200	32.37050626	-103.3617146	1.89
3002541347	MERCHANT LIVESTOCK 24 STATE COM 002H	Active	24	22.05	34E	GMT EXPLORATION COMPANY LLC	S	O	11/19/2013		3476	11280	32.3700118	-103.4266305	1.91
3002541350	MERCHANT LIVESTOCK 25 STATE COM 002H	Active	25	22.05	34E	GMT EXPLORATION COMPANY LLC	S	O	10/9/2013		3474	11321	32.36979189	-103.4266321	1.91
3002533693	TRICK ARK STATE 001	Plugged	18	22.05	35E	LIME ROCK RESOURCES A, L.P.	S	G	19-Jan-97	9/28/2016	3599	12030	32.39709626	-103.4045532	1.94
3002544223	CRESTED BUTTE WCXY STATE COM 001H	New/Not Completed	13	22.05	34E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3513	0	32.3850689	-103.4224544	1.95
3002508631	SHELL STATE 001	Plugged	17	22.05	35E	CACTUS DRILLING CORP OF TEXAS	S	O	10-Jun-54	9-Jul-54	3585	4180	32.39714891	-103.3831188	1.95
3002544035	CRESTED BUTTE BS3 STATE COM 001H	New/Not Completed	13	22.05	34E	ONEENERGY PARTNERS OPERATING, LLC	S	O			3513	0	32.38506865	-103.4226172	1.96
3002541270	LENNOX 32 STATE 004H	Active	32	22.05	35E	CAZA OPERATING, LLC	S	O	8/16/2014		3456	11230	32.34180496	-103.3959434	1.97



Submit 3 Copies to Appropriate District Office

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-025-25443
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-3551
7. Lease Name or Unit Agreement Name Northern AKQ State 15275
8. Well No. 1
9. Pool name or Wildcat Rock Lake Bone Spring
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3524' GR

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
OIL WELL  GAS WELL  OTHER P&A - RE-ENTRY

2. Name of Operator  
YATES PETROLEUM CORPORATION

3. Address of Operator  
105 South 4th St., Artesia, NM 88210

4. Well Location  
Unit Letter 0 : 660 Feet From The South Line and 1980 Feet From The East Line  
Section 28 Township 22S Range 35E NMPM Lea County

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input checked="" type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Plugged and abandoned well as follows:  
 Plug #1 10994-10850' w/70 sx Class H w/4/10% CF-14. Tag plug #1 @ 10860'.  
 Plug #2 7600-7500' w/35 sx Class H Neat.  
 Plug #3 6350-6250' w/35 sx Class H Neat.  
 Plug #4 4570-4320' w/200 sx Class Neat. Tag plug #4 @ 4268'.  
 Plug #5 3025-2925' w/80 sx Class H Neat.  
 Plug #6 530-430' w/80 sx Class H Neat.  
 Plug #7 25' to surface w/25 sx Class H Neat.

Note: Displace with 25#/bbl salt gel mud between plugs.  
 Set regulation abandonment marker.  
 Work completed 3-26-92.

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

SIGNATURE Juanita Goodlett TITLE Production Supervisor DATE 3-31-92  
 TYPE OR PRINT NAME Juanita Goodlett TELEPHONE NO. 505/748-1471

(This space for State Use)

APPROVED BY Charlie Perrini TITLE OIL & GAS INSPECTOR DATE OCT 22 1993  
 CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies  
**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
 P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-105  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**  
 P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

WELL API NO.  
 30-025-25443

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.  
 V-3551

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well:  
 OIL WELL  GAS WELL  DRY  OTHER P&A

b. Type of Completion:  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR  OTHER (RE-ENTRY)

2. Name of Operator  
 YATES PETROLEUM CORPORATION (505) 748-1471

3. Address of Operator  
 105 South 4th St., Artesia, NM 88210

7. Lease Name or Unit Agreement Name  
 Northern AKQ State

8. Well No.  
 1

9. Pool name or Wildcat  
 Rock Lake Bone Spring

4. Well Location  
 Unit Letter 0 : 660 Feet From The South Line and 1980 Feet From The East Line

Section 28 Township 22S Range 35E NMPM Lea County

10. Date Spudded RE-ENTRY 2-29-92 11. Date T.D. Reached 3-6-92 12. Date Compl. (Ready to Prod.) Dry 13. Elevations (DF & RKB, RT, GR, etc.) 3524' GR 14. Elev. Casinghead

15. Total Depth 10994' 16. Plug Back T.D. - 17. If Multiple Compl. How Many Zones? - 18. Intervals Drilled By Pulling Unit Rotary Tools - Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name None 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run None 22. Was Well Cored No

**23. CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	504'	26"	1000sx (in place)	
13-3/8"	68# & 61#	4520'	17 1/2"	4000sx (in place)	
9-5/8"	43.5# & 47#	11331'	12 1/4"	2000sx (in place)	
7-5/8"	39#	14601'	8 1/2" Liner	1200sx (in place)	

**24. LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD	SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
 DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

**28. PRODUCTION**

Date First Production \_\_\_\_\_ Production Method (*Flowing, gas lift, pumping - Size and type pump*) \_\_\_\_\_ Well Status (*Prod. or Shut-in*) \_\_\_\_\_

Date of Test \_\_\_\_\_ Hours Tested \_\_\_\_\_ Choke Size \_\_\_\_\_ Prod'n For Test Period \_\_\_\_\_ Oil - Bbl. \_\_\_\_\_ Gas - MCF \_\_\_\_\_ Water - Bbl. \_\_\_\_\_ Gas - Oil Ratio \_\_\_\_\_

Flow Tubing Press. \_\_\_\_\_ Casing Pressure \_\_\_\_\_ Calculated 24-Hour Rate \_\_\_\_\_ Oil - Bbl. \_\_\_\_\_ Gas - MCF \_\_\_\_\_ Water - Bbl. \_\_\_\_\_ Oil Gravity - API - (*Corr.*) \_\_\_\_\_

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*) \_\_\_\_\_ Test Witnessed By \_\_\_\_\_

30. List Attachments  
 None for re-entry

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Juanita Goodlett Printed Name Juanita Goodlett Title Production Supv. Date 4-1-92

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S.	
AND OFFICE	
PERATOR	

Form C-105  
Revised 11-1-8

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
**L-1926**

TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_

7. Unit Agreement Name

8. Farm or Lease Name  
**Northern Natural State Com.**

Name of Operator  
**Union Oil Company of California**

9. Well No.  
**1**

Address of Operator  
**P. O. Box 671 - Midland, Texas 79702**

10. Field and Pool, or Wildcat  
**Undesignated Wolfcamp**

LETTER **0** LOCATED **660** FEET FROM THE **South** LINE AND **1980** FEET FROM

11. County  
**Lea**

LINE OF SEC. **28** TWP **22 South** RGE **35 East** NMPM

Date ~~Spud~~ **P.B.** 16. Date T.D. Reached **5-27-77** 17. Date Compl. (Ready to Prod.) **4-26-79** 18. Elevations (DF, RKB, RT, GR, etc.) **3524' GR.** 19. Elev. Casinghead

Total Depth **15,390'** 21. Plug Back T.D. **12,376'** 22. If Multiple Compl., How Many \_\_\_\_\_ 23. Intervals Drilled By **Rotary Tools** Cable Tools \_\_\_\_\_

25. Was Directional Survey Made  
**No**

Producing interval(s), of this completion - Top, Bottom, Name  
**11,480' to 11,522' Wolfcamp**

27. Was Well Cored  
**No**

Type Electric and Other Logs Run \_\_\_\_\_

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20" OD	94#	504'	26"	1000 sx Circl. to Surface	
13-3/8" OD	68# & 61#	4,520'	17-1/2"	4000 sx 2 Stg. Circ. to Surf.	
9-5/8" OD	43.5# & 47#	11,331'	12-1/4"	2000 sx 2 Stages	

LINER RECORD

30.

TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
7-5/8" OD	10,994'	14,601'	1200		2-7/8" OD	11,390'	11,390'

Perforation Record (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

11,480' to 11,522'	1/2"	52 Holes
--------------------	------	----------

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,376'-12,655'	Pkr. @ 12,655' w/ 50 sx cement
11,480'-11,522'	250 Gals. 15% HCl Acid

PRODUCTION

First Production **April 30, 1979** Production Method (*Flowing, gas lift, pumping - Size and type pump*) **Flowing** Well Status (*Prod. or Shut-in*) **Producing**

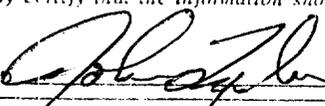
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - bbl.	Gas-Oil Ratio
4-16-79	24	32/64"		30	71	-0-	2367 CF/B

Flowing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - bbl.	Oil Gravity - API (Corr.)
30	Packer		30	71	-0-	42.8

Disposition of Gas (*Sold, used for fuel, vented, etc.*) **Sold to El Paso Natural Gas Company** Test Witnessed By **L. L. Artherholt**

List of Attachments \_\_\_\_\_

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED  **John Tyler** TITLE **District Producing Supt.** DATE **May 21, 1979**

## **Appendix B:**

### **Identification of Operators, Lessees, Surface Owners, and other Interested Parties within One Half Mile of Proposed 3Bear Golden Gate SWD#1 for Notices; Copies of Notice Letters and Certified Mail Receipts, and Affidavit of Publication of Newspaper Notice**

- Table B-1:** Operators, Lessees and Surface Owners within One Half Mile of Proposed 3Bear Golden Gate SWD #1
- Figure B-1:** Operators within One-Half Mile of Proposed 3Bear Golden Gate SWD #1
- Figure B-2:** Lessees within One-Half Mile of Proposed 3Bear Golden Gate SWD #1
- Figure B-3:** Surface Owners within One Half Mile of Proposed 3Bear Golden Gate SWD #1

**Golden Gate State SWD No. 1  
1 Mile Offset Operators and Lessees List**

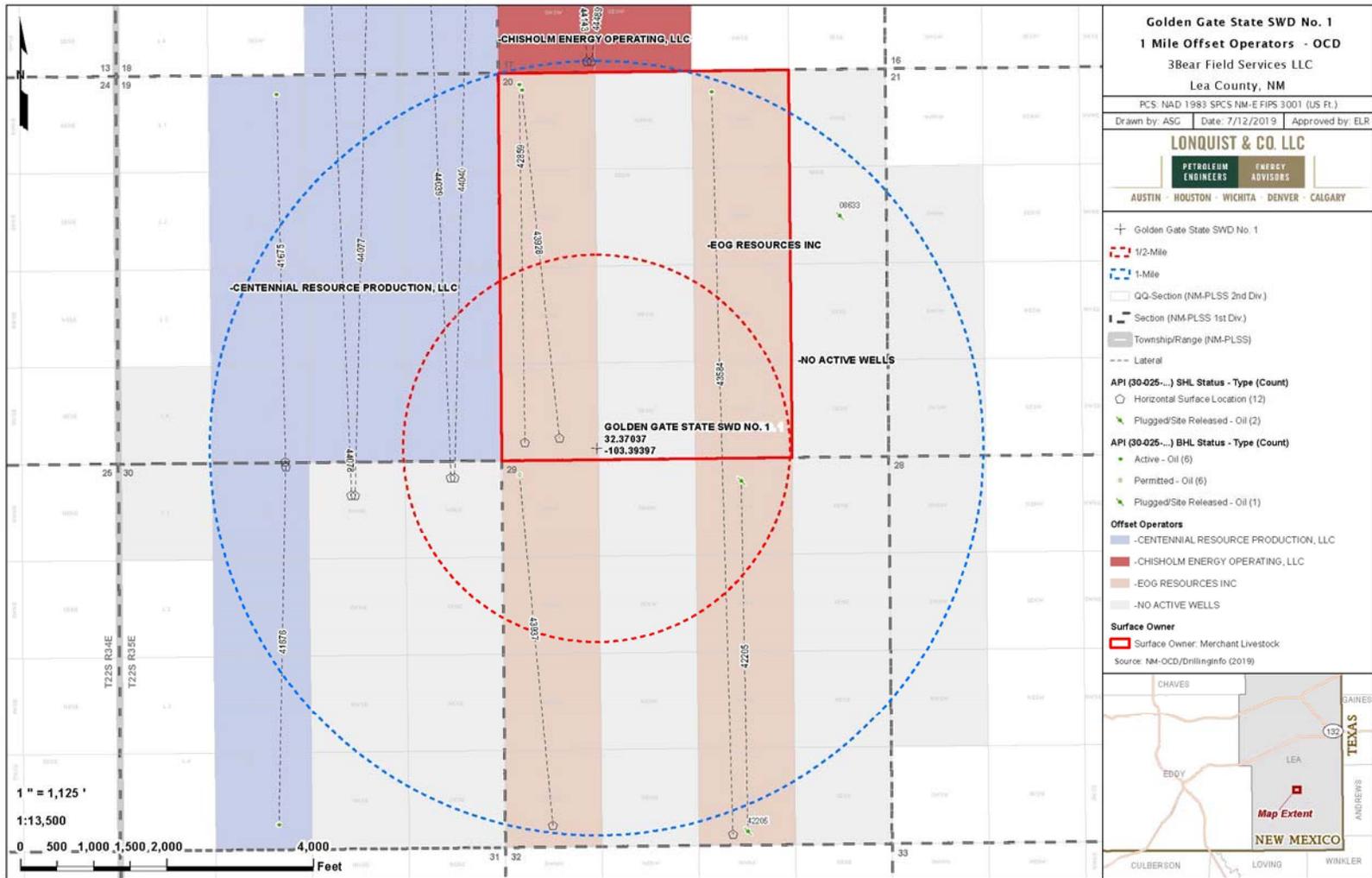
S/T/R	QQ UNIT LETTER(S)	OPERATOR	MINERAL LESSEE	MINERAL OWNER	SURFACE OWNER	ADDRESS 1	ADDRESS 2
17/22S/35E	M,N,O	CHISHOLM ENERGY OPERATING, LLC	-	-	-	801 CHERRY STREET	FORT WORTH, TX 76102
18/22S/35E	P	CENTENNIAL RESOURCE PRODUCTION, LLC	-	-	-	1001 17TH STREET, SUITE 1800	DENVER, CO 80202
19/22S/35E	A,B,C,F,G,H,I,J,K,N,O,P	CENTENNIAL RESOURCE PRODUCTION, LLC	-	-	-	1001 17TH STREET, SUITE 1800	DENVER, CO 80202
20/22S/35E	B,D,E,G,J,L,M,O	EOG RESOURCES INC	-	-	-	P.O. BOX 2267	MIDLAND, TX 79702
	C,F,H,I,K,N,P	-	EOG RESOURCES INC	-	-	P.O. BOX 2267	MIDLAND, TX 79702
21/22S/35E	A,H,I,P	-	EOG RESOURCES INC	-	-	P.O. BOX 2267	MIDLAND, TX 79702
28/22S/35E	A,H,I	-	EOG RESOURCES INC	-	-	P.O. BOX 2267	MIDLAND, TX 79702
29/22S/35E	B,D,E,G,J,L,M,O	EOG RESOURCES INC	-	-	-	P.O. BOX 2267	MIDLAND, TX 79702
	ENTIRE SECTION	-	EOG RESOURCES INC	-	-	P.O. BOX 2267	MIDLAND, TX 79702
30/22S/35E	C,F,K,N	CENTENNIAL RESOURCE PRODUCTION, LLC	-	-	-	1001 17TH STREET, SUITE 1800	DENVER, CO 80202
	ENTIRE SECTION	CENTENNIAL RESOURCE PRODUCTION, LLC	-	-	-	1001 17TH STREET, SUITE 1800	DENVER, CO 80202
20/22S/35E	B,C,D,E,F,G,J,K,L,M,N,O	-	-	-	MERCHANT LIVESTOCK	P.O. BOX 1105	EUNICE NM, 88231

Table B1a: Offset Operators and Lessees

**Golden Gate State SWD No. 1  
One-Half and One-Mile Surface Owners List**

S/T/R	QQ UNIT LETTER(S)	SURFACE OWNER	ADDRESS 1	ADDRESS 2
<b>1/2 MILE RADIUS</b>				
20/22S/35E	E, F, L, K, J, M, N, O	MERCHANT LIVESTOCK	P.O. BOX 1105	EUNICE NM, 88231
19/22S/35E	P	-	-	-
30/22S/35E	A, H	STATE OF NEW MEXICO	310 OLD SANTA FE TRAIL	SANTA FE, NM 87501
29/22S/35E	B, C, D, E, F, G	-	-	-
<b>1 MILE RADIUS</b>				
21/22S/35E	E, L, M	STATE OF NEW MEXICO	310 OLD SANTA FE TRAIL	SANTA FE, NM 87501
17/22S/35E	M, N	-	-	-
20/22S/35E	B, C, D, E, F, G, H, I, J	MERCHANT LIVESTOCK	P.O. BOX 1105	EUNICE NM, 88231
19/22S/35E	A, B, F, G, H, K, J	STATE OF NEW MEXICO	310 OLD SANTA FE TRAIL	SANTA FE, NM 87501
-	M, N, O	MERCHANT LIVESTOCK	P.O. BOX 1105	EUNICE NM, 88231
30/22S/35E	B, C, F, G, K, J, I	STATE OF NEW MEXICO	310 OLD SANTA FE TRAIL	SANTA FE, NM 87501
-	D, O, P	MERCHANT LIVESTOCK	P.O. BOX 1105	EUNICE NM, 88231
29/22S/35E	J, K, L, M, N, O	STATE OF NEW MEXICO	310 OLD SANTA FE TRAIL	SANTA FE, NM 87501
-	I, P	MERCHANT LIVESTOCK	P.O. BOX 1105	EUNICE NM, 88231
28/22S/35E	D, E, L	STATE OF NEW MEXICO	310 OLD SANTA FE TRAIL	SANTA FE, NM 87501

Table B1b: One-Half Mile and One Mile Surface Owners



**Figure B-1: Operators within One-Half Mile of Proposed 3Bear Golden Gate SWD #1**

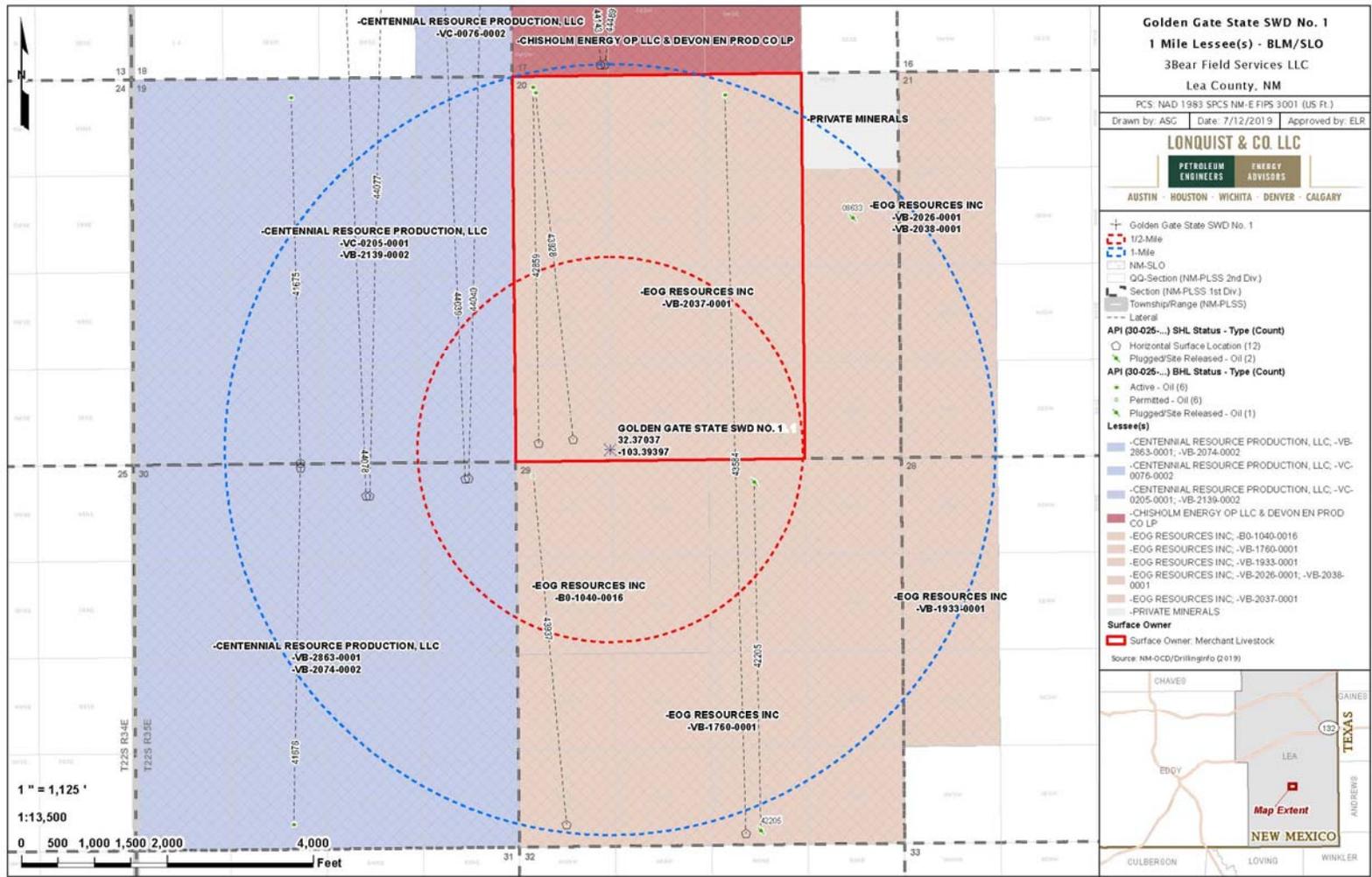
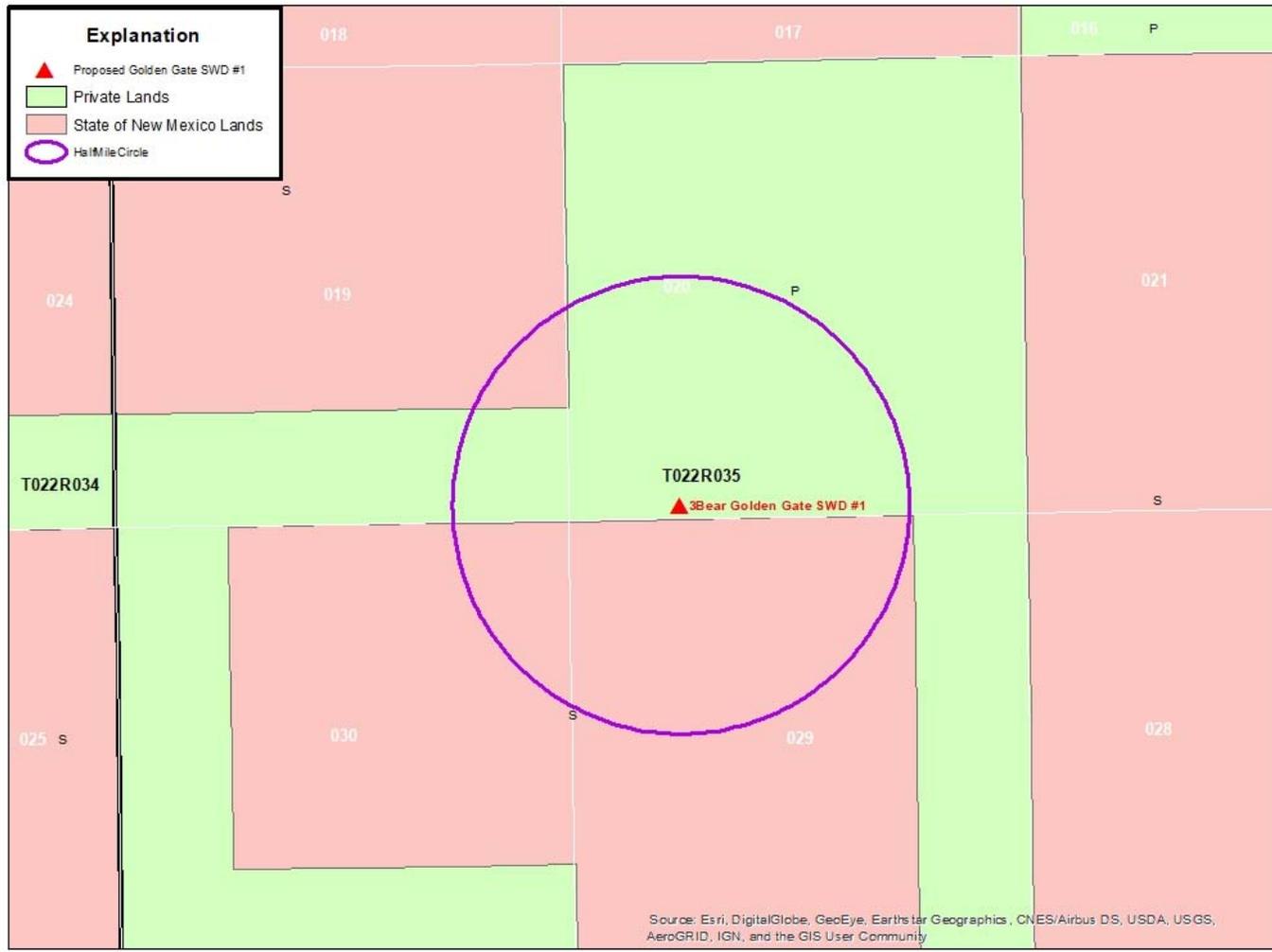


Figure B-2: Lessees within One-Half Mile of 3Bear Proposed Golden Gate SWD #1





**Figure B-3: Surface Owners within One-Half Mile of Proposed 3Bear Golden Gate SWD #1**



August 30, 2019

Alberto A. Gutiérrez, C.P.G.

Centennial Resource Production, LLC  
1001 17th Street, Suite 1800  
Denver, Co 80202

VIA CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

RE: 3BEAR FIELD SERVICES LLC PROPOSED GOLDEN GATE SWD #1

To Whom It May Concern:

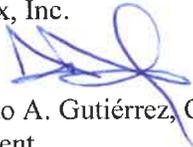
Attached for your review is Form C-108, Application for Authorization to Inject, and its supplemental documents prepared for 3Bear Field Services LLC's Golden Gate SWD No. 1 well, located at 151' FSL, 1305' FWL in Section 20, T22S, R35E in Lea County, New Mexico, approximately 14 miles Southwest of Jal, New Mexico.

Section XIV of Form C-108 requires that the surface land owner on which the well is located and each leasehold operator within a one-half mile radius of the proposed well location be furnished with the application.

According to the New Mexico Oil Conservation Division, surface owners or offset operators must file any objections or requests for hearing of administrative applications within 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 Gutierrez or Mr. James C. Hunter 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 LLP  
Enclosure: C-108 Application for Authority to Inject

August 30, 2019

Alberto A. Gutiérrez, C.P.G.

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

VIA CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

RE: 3BEAR FIELD SERVICES LLC PROPOSED GOLDEN GATE SWD #1

To Whom It May Concern:

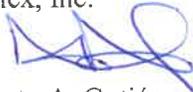
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Sincerely,  
Geolex, Inc.



Alberto A. Gutiérrez, C.P.G.  
President  
Consultant to 3Bear Field Services LLP  
Enclosure: C-108 Application for Authority to Inject

August 30, 2019

Alberto A. Gutiérrez, C.P.G.

Devon Energy Production Company, LP  
333 West Sheridan Ave.  
Oklahoma City 73102

VIA CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

RE: 3BEAR FIELD SERVICES LLC PROPOSED GOLDEN GATE SWD #1

To Whom It May Concern:

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Geolex, Inc.



Alberto A. Gutiérrez, C.P.G.  
President  
Consultant to 3Bear Field Services LLP  
Enclosure: C-108 Application for Authority to Inject

August 30, 2019

Alberto A. Gutiérrez, C.P.G.

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

VIA CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

RE: 3BEAR FIELD SERVICES LLC PROPOSED GOLDEN GATE SWD #1

To Whom It May Concern:

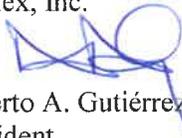
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Sincerely,  
Geolex, Inc.



Alberto A. Gutiérrez, C.P.G.  
President  
Consultant to 3Bear Field Services LLP  
Enclosure: C-108 Application for Authority to Inject

August 30, 2019

Alberto A. Gutiérrez, C.P.G.

Merchant Livestock  
P.O. Box 1105  
Eunice NM, 88231

VIA CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

RE: 3BEAR FIELD SERVICES LLC PROPOSED GOLDEN GATE SWD #1

To Whom It May Concern:

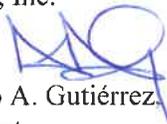
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Sincerely,  
Geolex, Inc.



Alberto A. Gutiérrez, C.P.G.  
President  
Consultant to 3Bear Field Services LLP  
Enclosure: C-108 Application for Authority to Inject

August 30, 2019

Alberto A. Gutiérrez, C.P.G.

State of New Mexico  
310 Old Santa Fe Trail  
Santa Fe, NM 87501

VIA CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

RE: 3BEAR FIELD SERVICES LLC PROPOSED GOLDEN GATE SWD #1

To Whom It May Concern:

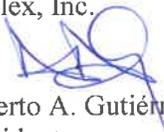
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Sincerely,  
Geolex, Inc.



Alberto A. Gutiérrez, C.P.G.  
President  
Consultant to 3Bear Field Services LLP  
Enclosure: C-108 Application for Authority to Inject

7018 3090 0001 0880 8791

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DENVER, CO 80202

Certified Mail Fee	\$3.50
Extra Services & Fees (check box, add fees as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage	\$1.90
Total Postage and Fees	\$8.20

Sent To  
 Centennial Resource Prod. LLC  
 Street and Apt. No., or PO Box No.  
 1001 17th St, Suite 1600  
 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 8807

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OKLAHOMA CITY, OK 73102

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Extra Services & Fees (check box, add fees as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage	\$1.90
Total Postage and Fees	\$8.20

Sent To  
 Deleon Energy Prod. LP  
 Street and Apt. No., or PO Box No.  
 333 West Sheridan Ave  
 City, State, ZIP+4®  
 Oklahoma City 73102

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



7018 3090 0001 0880 8784

# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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MIDLAND, TX 79702

Certified Mail Fee	\$3.50
Extra Services & Fees (check box, add fees as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage	\$1.90
Total Postage and Fees	\$8.20

Sent To  
 FOG 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 8821

# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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EUNICE, NM 88231

Certified Mail Fee	\$3.50
Extra Services & Fees (check box, add fees as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage	\$1.90
Total Postage and Fees	\$8.20

Sent To  
 Merchant Livestock  
 Street and Apt. No., or PO Box No.  
 P.O. Box 1105  
 City, State, ZIP+4®  
 Eunice NM 88231

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



7018 3090 0001 0880 8836

# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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SANTA FE, NM 87504

Certified Mail Fee	\$3.50
Extra Services & Fees (check box, add fees as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage	\$1.90
Total Postage and Fees	\$8.20

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

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



7018 3090 0001 0880 8814

# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

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

FORT WORTH, TX 76102

Certified Mail Fee	\$3.50
Extra Services & Fees (check box, add fees as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage	\$1.90
Total Postage and Fees	\$8.20

Sent To  
 Chisholm Energy Op. LLC  
 Street and Apt. No., or PO Box No.  
 601 Cherry St  
 City, State, ZIP+4®  
 Fort Worth, TX 76102

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



**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 Golden Gate State of New Mexico 310 Old Santa Fe Trail Santa Fe, NM 87501*

2. Article Number (Transfer from service label)  
**7018 3090 0001 0880 8838**

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 *K61*  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  Priority Mail Express®  
 Adult Signature Restricted Delivery  Registered Mail™  
 Certified Mail®  Registered Mail Restricted Delivery  
 Certified Mail Restricted Delivery  Return Receipt for Merchandise  
 Collect on Delivery  Signature Confirmation™  
 Collect on Delivery Restricted Delivery  Signature Confirmation Restricted Delivery  
 Insured Mail  Signature Confirmation Restricted Delivery (over \$500)  
 Insured Mail Restricted Delivery (over \$500)

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 Golden Gate Merchant Livestock P.O. Box 1105 Euvie, NM 88231*

2. Article Number (Transfer from service label)  
**7018 3090 0001 0880 8821**

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 *Liam H Pearson*  Agent  Addressee

B. Received by (Printed Name) C. Date of Delivery  
*Liam H Pearson 9/4/19*

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

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

ELUICE, NM 88231  
 SEP 04 2019

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: *15-025 Golden Gate Centennial Resources 1001 17th St Suite 1800 Denver, CO 80202*

2. Article Number (Transfer from service label)  
**7018 3090 0001 0880 8791**

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 *M Reeve*  Agent  Addressee

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

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

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

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 Golden Gate Devon Energy Prod LP 333 West Sheridan Ave Oklahoma City 73102*

2. Article Number (Transfer from service label)  
**7018 3090 0001 0880 8807**

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 *David Carrillo*  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  Priority Mail Express®  
 Adult Signature Restricted Delivery  Registered Mail™  
 Certified Mail®  Registered Mail Restricted Delivery  
 Certified Mail Restricted Delivery  Return Receipt for Merchandise  
 Collect on Delivery  Signature Confirmation™  
 Collect on Delivery Restricted Delivery  Signature Confirmation Restricted Delivery  
 Insured Mail  Signature Confirmation Restricted Delivery (over \$500)  
 Insured Mail Restricted Delivery (over \$500)

CENTER OF OKLAHOMA CITY OK SEP 3 2019 USPS

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:

Chisholm Energy Op, LLC  
 801 Cherry St  
 Fort Worth, TX 76102



9590 9402 5056 9092 0043 25

2. Article Number (Transfer from service label)

4 7 8 8 0 8 8 0 1 0 0 0 0 6 0 E 8 1 0 2

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
 Addressee

B. Received by (Printed Name) C. Date of Delivery  
 Darlene Gates 9/3/19

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

Domestic Return Receipt

**Track Another Package +****Tracking Number:** 70183090000108808784

EOG Resources Delivery Conf.

Remove ✕

Your item was delivered at 7:32 am on September 4, 2019 in MIDLAND, TX 79701.

 **Delivered**

September 4, 2019 at 7:32 am

Delivered

MIDLAND, TX 79701

**Get Updates** ▾

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**Text & Email Updates**

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**Tracking History**

September 4, 2019, 7:32 am

Delivered

MIDLAND, TX 79701

Your item was delivered at 7:32 am on September 4, 2019 in MIDLAND, TX 79701.

September 3, 2019, 2:44 am

Departed USPS Regional Destination Facility

MIDLAND TX DISTRIBUTION CENTER

September 1, 2019, 7:20 pm

Arrived at USPS Regional Destination Facility

MIDLAND TX DISTRIBUTION CENTER

September 1, 2019

In Transit to Next Facility

August 31, 2019, 7:56 am  
Departed USPS Facility  
ALBUQUERQUE, NM 87101

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August 30, 2019, 10:49 pm  
Arrived at USPS Origin Facility  
ALBUQUERQUE, NM 87101

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August 30, 2019, 3:17 pm  
Departed Post Office  
ALBUQUERQUE, NM 87101

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August 30, 2019, 11:39 am  
USPS in possession of item  
ALBUQUERQUE, NM 87101

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### Product Information



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See Less 

## Can't find what you're looking for?

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

**FAQs** (<https://www.usps.com/faqs/uspstracking-faqs.htm>)

# 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  
August 31, 2019  
and ending with the issue dated  
August 31, 2019.

  
\_\_\_\_\_  
Publisher

Sworn and subscribed to before me this  
31st day of August 2019.

  
\_\_\_\_\_  
Circulation Clerk

My commission expires  
October 29, 2022

(Seal)

	OFFICIAL SEAL Amity E. Hipp NOTARY PUBLIC - STATE OF NEW MEXICO My Commission Expires: <u>10/29/22</u>
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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

**LEGAL NOTICE**  
AUGUST 31, 2019

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 salt water disposal well Golden Gate SWD No. 1. The proposed well will be located at 151' FSL, 1305' FWL in Section 20, T22S, R35E in Lea County, New Mexico, approximately 14 miles Southwest of Jal, New Mexico. Disposal water will be sourced from area production, and will be injected into the Devonian to Montoya Formations through an open hole completion between approximately 15,600' and a total depth of approximately 16,500' feet. The maximum allowable operating surface pressure will not exceed 3,120 psig with a maximum rate of 25,000 BWP. 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, Albuquerque, NM 87102. #34652

67101169

00232773

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