BEFORE THE OIL CONSERVATION DIVISION
EXAMINER HEARING JANUARY 21, 2021

CASE NO. 21570

ERNIE BANKS SWD NO.1 WELL

LEA COUNTY, NEW MEXICO

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF GOODNIGHT MIDSTREAM PERMIAN, LLC FOR APPROVAL OF A SALT WATER DISPOSAL WELL, LEA COUNTY NEW MEXICO.

CASE NOS. 21570

TABLE OF CONTENTS

Initial

Application

Part I

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. A
Submitted by: Goodnight Midstream Permian, LLC
Hearing Date: January 21, 2021
Case No. 21570

Received 11/17/20

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

EXHIBIT A

ALL CONSULTING
GOVERNMENT RELATIONS · ENERGY · PLANNING · TECHNOLOGY
ENGINEERING · ENVIRONMENTAL

November 16, 2020

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

Subject: Goodnight Midstream Permian, LLC – Ernie Banks SWD # 1
Application for Authorization to Inject

To Whom It May Concern,

On behalf of Goodnight Midstream Permian, LLC (Goodnight), ALL Consulting, LLC (ALL) is submitting the enclosed Application for Authorization to Inject for the Ernie Banks SWD #1, a proposed salt water disposal well, in Lea County, NM.

Should you have any questions regarding the enclosed application, please contact Nate Alleman at (918) 382-7581 or nalleman@all-llc.com.

Sincerely,
ALL Consulting

Nate Alleman
Sr. Regulatory Specialist

MW98U-201117-C-1080

Revised March 23, 2017

RECEIVED: 11/17/20	REVIEWER:	TYPE: SWD	APP NO: pBL2032264441

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: Goodnight Midstream Permian, LLC **OGRID Number:** 372311
Well Name: Ernie Banks SWD #1 **API:**
Pool: SWD; San Andres **Pool Code:** 96121

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-2404

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.

Nate Alleman
Print or Type Name

Nathan Alleman
Signature

11/16/2020
Date

918-382-7581
Phone Number

nalleman@all-llc.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: Goodnight Midstream Permian, LLC

ADDRESS: 5910 N Central Expressway, Suite 850, Dallas, TX 75206

CONTACT PARTY: Grant Adams PHONE: 214-444-7388(0)

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: _____

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.

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.

VII. Attach data on the proposed operation, including:

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

*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.

IX. Describe the proposed stimulation program, if any.

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

*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.

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.

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

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: Nathan Alleman TITLE: Regulatory Specialist - Consultan

SIGNATURE:  DATE: 11/16/2020

E-MAIL ADDRESS: nalleman@all-llc.com

XV. 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.

Application for Authorization to Inject
Well Name: Ernie Banks SWD #1

III – Well Data (*The Wellbore Diagram is included as **Attachment 1***)

A.

(1) General Well Information:

Operator: Goodnight Midstream Permian, LLC (OGRID No. 372311)
Lease Name & Well Number: Ernie Banks SWD #1
Location Footage Calls: 395 FNL & 1,203 FWL
Legal Location: Unit Letter D, S17 T21S R36E
Ground Elevation: 3,550.6'
Proposed Injection Interval: 4,312' – 5,615'
County: Lea

(2) Casing Information:

Type	Hole Size	Casing Size	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC	Method Determined
Surface	17-1/2"	13-3/8"	54.5 lb/ft	1,500'	1,180	Surface	Circulation
Production	12-1/4"	9-5/8"	40.0 lb/ft	5,720'	1,400	Surface	Circulation
Tubing	N/A	5-1/2"	Composite weight string	4,270'	N/A	N/A	N/A

(3) Tubing Information:

5-1/2" (composite weight string) of fiberglass-coated tubing with setting depth of 4,270'

(4) Packer Information: Baker SC-2 or equivalent packer set at 4,270'

B.

(1) Injection Formation Name: San Andres
Pool Name: SWD; SAN ANDRES
Pool Code: 96121
(2) Injection Interval: Perforated injection between 4,312' – 5,615'
(3) Drilling Purpose: New Drill for Salt Water Disposal
(4) Other Perforated Intervals: No other perforated intervals exist.
(5) Overlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.

- Grayburg (3,900')
- **Underlying Oil and Gas Zones:** There are no known geologic zones below the San Andres formation that contain hydrocarbon within 2 miles of the proposed SWD location. The underlying zones between the San Andres formation and the Devonian formation were drilled and logged by the Snyder (Ryno) SWD (30-025-43901) which penetrated the Devonian formation at 11,000 feet. The Glorieta, Paddock, Blinebry, Tubb, and Drinkard are present and are either impermeable rock or are saline aquifers. The closest known hydrocarbon in these formations is at the top of the Monument Field structure, 2.5 miles away.

V – Well and Lease Maps

The following maps are included in ***Attachment 2***:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership map
- Potash Lease Map

VI – AOR Well List

There are 22 wells within the 1/2-mile AOR, but none of the wells penetrate the proposed injection zone.

A list of the wells within the 1/2-mile AOR is included in ***Attachment 2***.

VII – Proposed Operation

(1) Proposed Maximum Injection Rate: 25,000 bpd
Proposed Average Injection Rate: 17,500 bpd

(2) A **closed system** will be used.

(3) Proposed Maximum Injection Pressure: 862 psi (surface)
Proposed Average Injection Pressure: approximately 431 psi (surface)

(4) Source Water Analysis: It is expected that the injectate will consist of produced water from production wells completed in the Delaware, Wolfcamp and Bone Springs formations. Analysis of water from these formations is included in ***Attachment 3***.

(5) Injection Formation Water Analysis: The proposed SWD will be injecting water into the San Andres formation which is a non-productive zone known to be compatible with formation water from the Wolfcamp and Bone Springs formations. Water analyses from the San Andres, and Grayburg formations in the area are included in ***Attachment 4.***

VIII – Geologic Description

- **San Andres Injection Formations:** The injection interval consists of the San Andres Formation at a depth of 4,312 ft – 5,615 ft. This formation consists of interbedded carbonate rocks including dolomites, siltstones, and sands.
- **Confining Layers:**
  - **Upper Confinement:** The injection formation is confined from overlying production by layers of low porosity anhydrites and dolomites located in the top of both the San Andres and Grayburg formations that are not capable of transmitting fluid.

VIII – Geologic Description (Continued)

- **Lower Confinement:** The injection formation is confined from potential underlying production formations by layers of low permeability rock located at the base of the San Andres and above the Glorieta interval. Additionally, the Paddock formation, located below the Glorieta formation, is a non-hydrocarbon bearing zone, that does not have the porosity intervals, that are present in the hydrocarbon bearing portions of the Paddock formation. As such the paddock will function as an additional confinement zone between the injection interval and any potential underlying production.

- **Lowermost Underground Source of Drinking Water (USDW):** The base of the deepest USDW (Rustler Formation) is at a depth of approximately 1300 feet which is covered by the surface casing set at 1,500 feet and cemented to surface to isolate the USDW. Water well depths in the area range from approximately 200 – 305 feet below ground surface.

IX – Proposed Stimulation Program

A small cleanup acid job may be used to remove mud and drill cuttings from the formation. However, no other formation stimulation is currently planned.

X – Logging and Test Data

Logs will be submitted to the Division upon completion of the well.

XI – Fresh Groundwater Samples

Based on a review of data from the New Mexico Office of the State Engineer, 4 groundwater wells are located within 1 mile of the proposed SWD location; however, state water well data and conversations with water well owners have revealed that only 1 of the water wells are active. A Water Sample was collected on January 28th, 2019.

A water well map, details of water wells within 1-mile, and any associated water analyses are included in ***Attachment 5***.

XII – No Hydrologic Connection Statement

No faulting is present in the area that would provide a hydrologic connection between the injection interval and overlying USDWs. Additionally, the casing program has been designed to ensure there will be no hydrologic connection between the injection interval and overlying USDWs.

XIII – Proof of Notice

A Public Notice was filed with the Hobbs News-Sun newspaper and an affidavit is included in ***Attachment 6***.

A copy of the application was mailed to the OCD District Office, landowner, and leasehold operators within 1/2-mile of the proposed SWD location. A list of the recipients, as well as delivery confirmations, are included in ***Attachment 6***.

Attachments

Attachment 1: C-102 & Wellbore Diagram

Attachment 2: Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map

Attachment 3: Source Water Analyses

Attachment 4: Injection Formation Water Analyses

Attachment 5: Water Well Map and Well Data

Attachment 6: Public Notice Affidavit and Notice of Application Confirmations

Attachment 1

- C-102
- Wellbore Diagram

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	96121	SWD; SAN ANDRES

Property Code	Property Name	Well Number
	ERNIE BANKS SWD	1

OGRID No.	Operator Name	Elevation
372311	GOODNIGHT MIDSTREAM PERMIAN, LLC	3550.6'

Surface Location

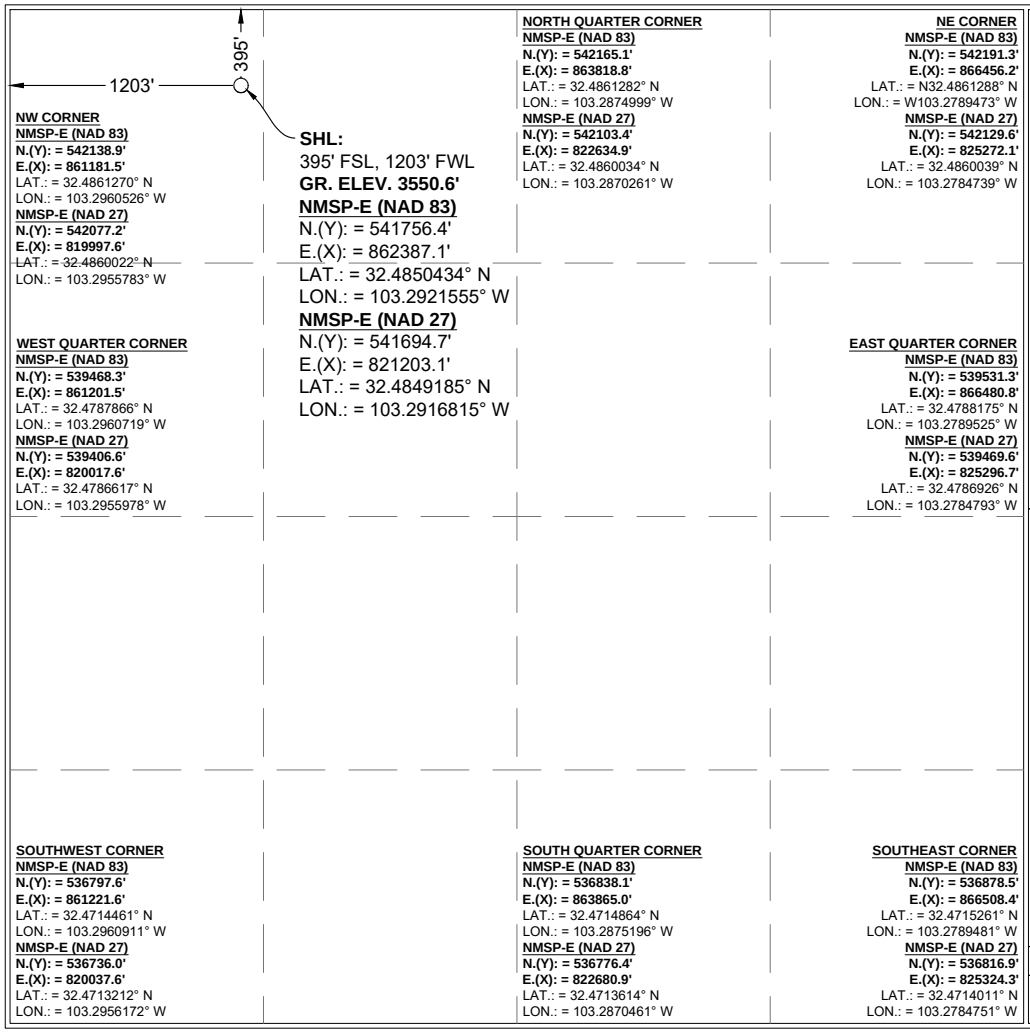
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	17	21-S	36-E		395	NORTH	1203	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidated Code	Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Nathan Alleman — 11/16/2020
Signature — Date

Natehan Alleman
Print Name

Nalleman@all-llc.com
E-mail Address

SURVEYORS CERTIFICATION

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

SEPTEMBER 30, 2020
Date of Survey

Signature and Seal of Professional Surveyor:

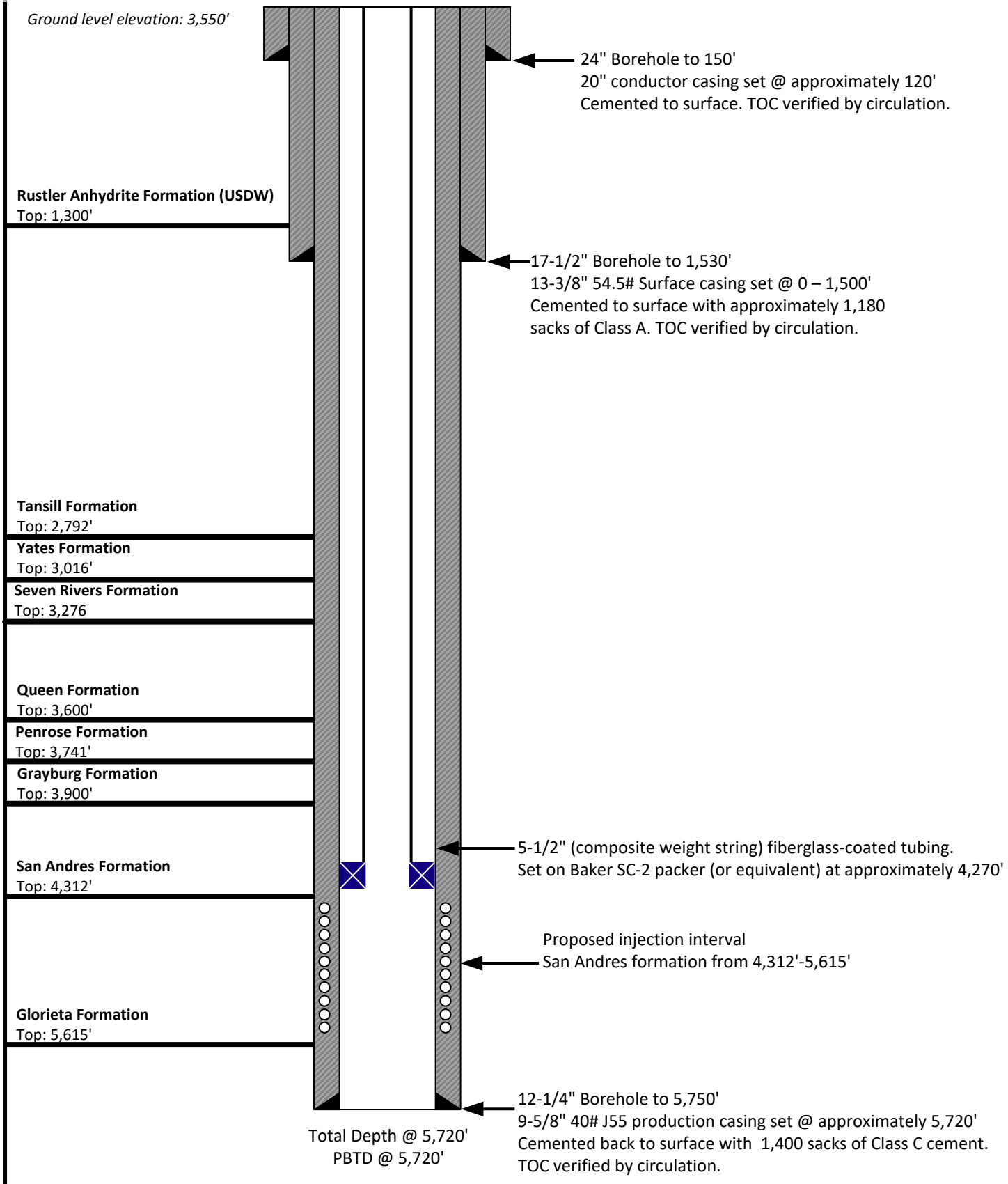
JAMES E. TOMPKINS NEW MEXICO 14729 REGISTERED PROFESSIONAL LAND SURVEYOR

James E. Tompkins

Job No.: WTC 54323 Draft: M.Y.

JAMES E. TOMPKINS 14729
Certificate Number

PLAT: X:\PROJECTS\OIL & GAS SURVEYS\ALL CONSULTING\54323-ALL CONSULTING, STAKE & PLAT ANDRW DAWSON SWD#1 & ERNIE BANKS SWD#1, LEA CO. NM\DRAWINGS\54323-ANDRW DAWSON SWD#1 & ERNIE BANKS SWD#1 LAYOUT TAB: C10211/10/2020 2:02 PM



NOT TO SCALE
Cement volumes include 25% excess.

Proposed Maximum Injection Rate: 25,000 BPD

Prepared by: ALL CONSULTING *Prepared for:* GOODNIGHT MIDSTREAM	Drawn by: Joshua Ticknor Project Manager: Dan Arthur Date: 11/4/2020	**Goodnight Midstream Permian, LLC** Ernie Banks SWD #1 API# TBD 395' FNL & 1,203' FWL, Unit D of Sec 17-T21S-R36E Lea County, New Mexico

SC-2 Retrievable Packer

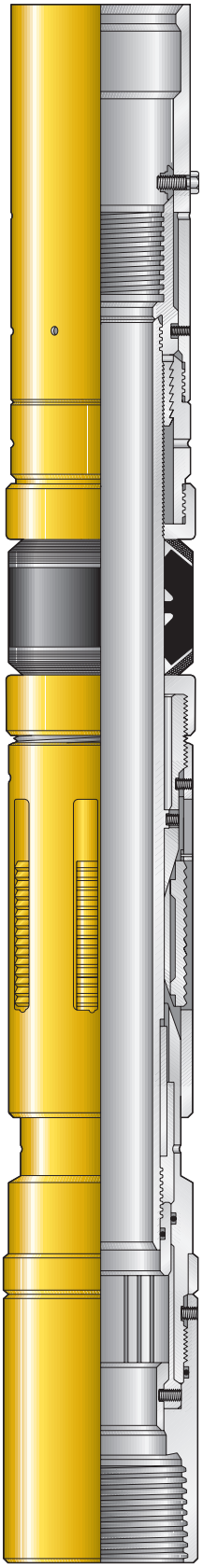
Product Family No. H48807

APPLICATION

The Baker Hughes SC-2™ retrievable packer is a high-performance, retrievable, sealbore packer. It can be run and set on electric wireline, slick line/tubing with the same setting tools used for the D packer.

Advantages

- Can be set with wireline or hydraulic setting tools
- Can be equipped with a variety of bottom guides (must be ordered separately)
- Packer easily accommodates tubing expansion or contraction
- Tubing and seals can be removed without accidentally unsetting packer
- Easy retrieval due to caged slips and releasing mechanism located in protected area below packing element
- Packer's releasing mechanism is not affected by differential pressure or tailpipe weight
- Case-hardened slips suitable for all grades of casing including V-150
- Compatible with standard Baker Hughes' seal accessories, tubing-conveyed perforating and gravel-packing systems

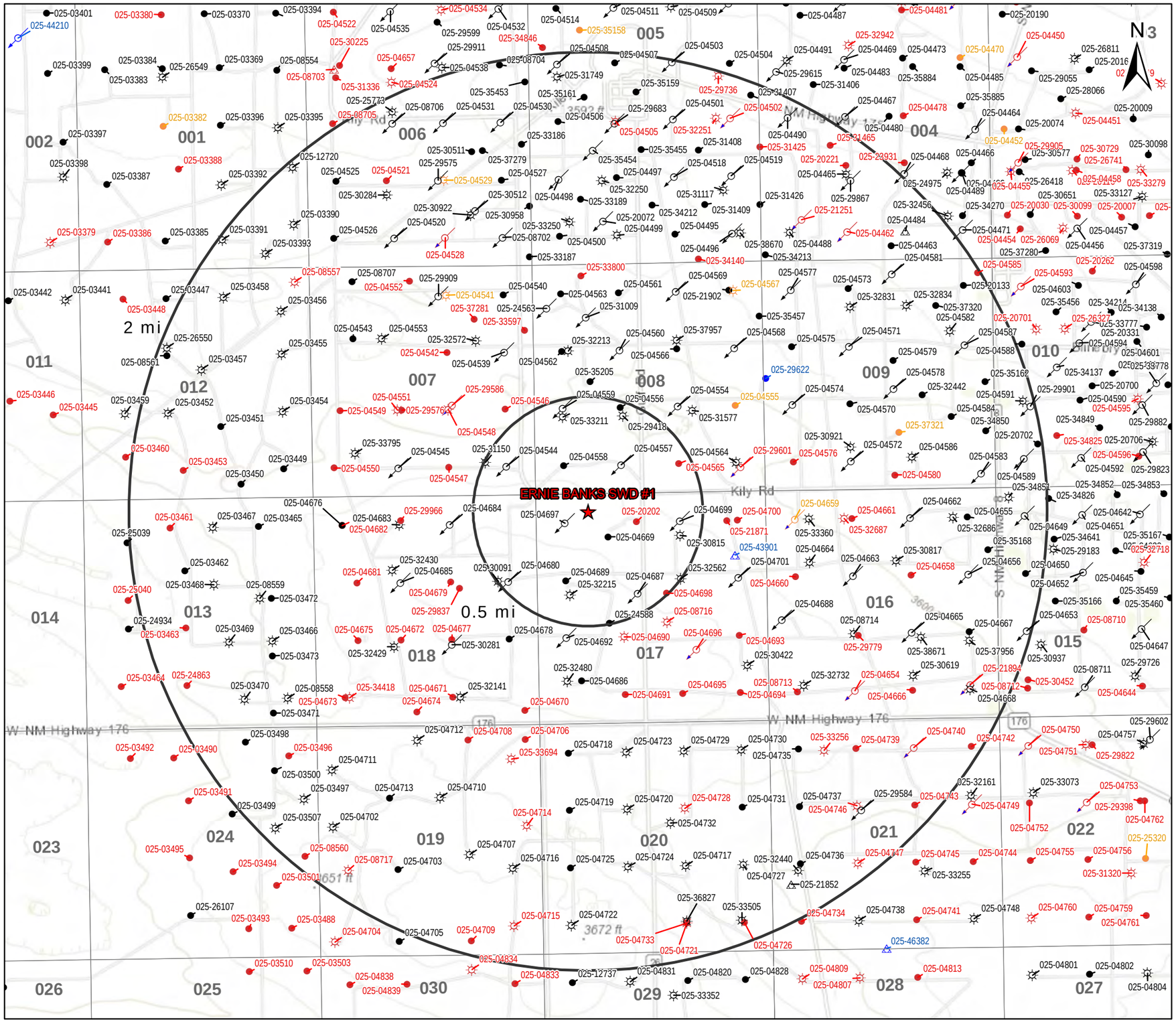


SC-2 Retrievable Packer
Product Family No. H48807

Attachment 2

Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Legend

- Proposed SWD
- Gas, Active (114)
- Gas, Plugged (41)
- Gas, Temporarily Abandoned (3)
- Injection, Active (86)
- Injection, New (1)
- Injection, Plugged (17)
- Injection, Temporarily Abandoned (1)
- Oil, Active (155)
- Oil, New (1)
- Oil, Plugged (119)
- Oil, Temporarily Abandoned (7)
- Salt Water Injection, Active (2)
- Salt Water Injection, New (2)
- Salt Water Injection, Plugged (1)

Source Info: NMOCD O&G Wells updated 9/30/2020 (http://www.emnrd.state.nm.us/OCD/ocdgis.html)

O&G Wells Area of Review

ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 19, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

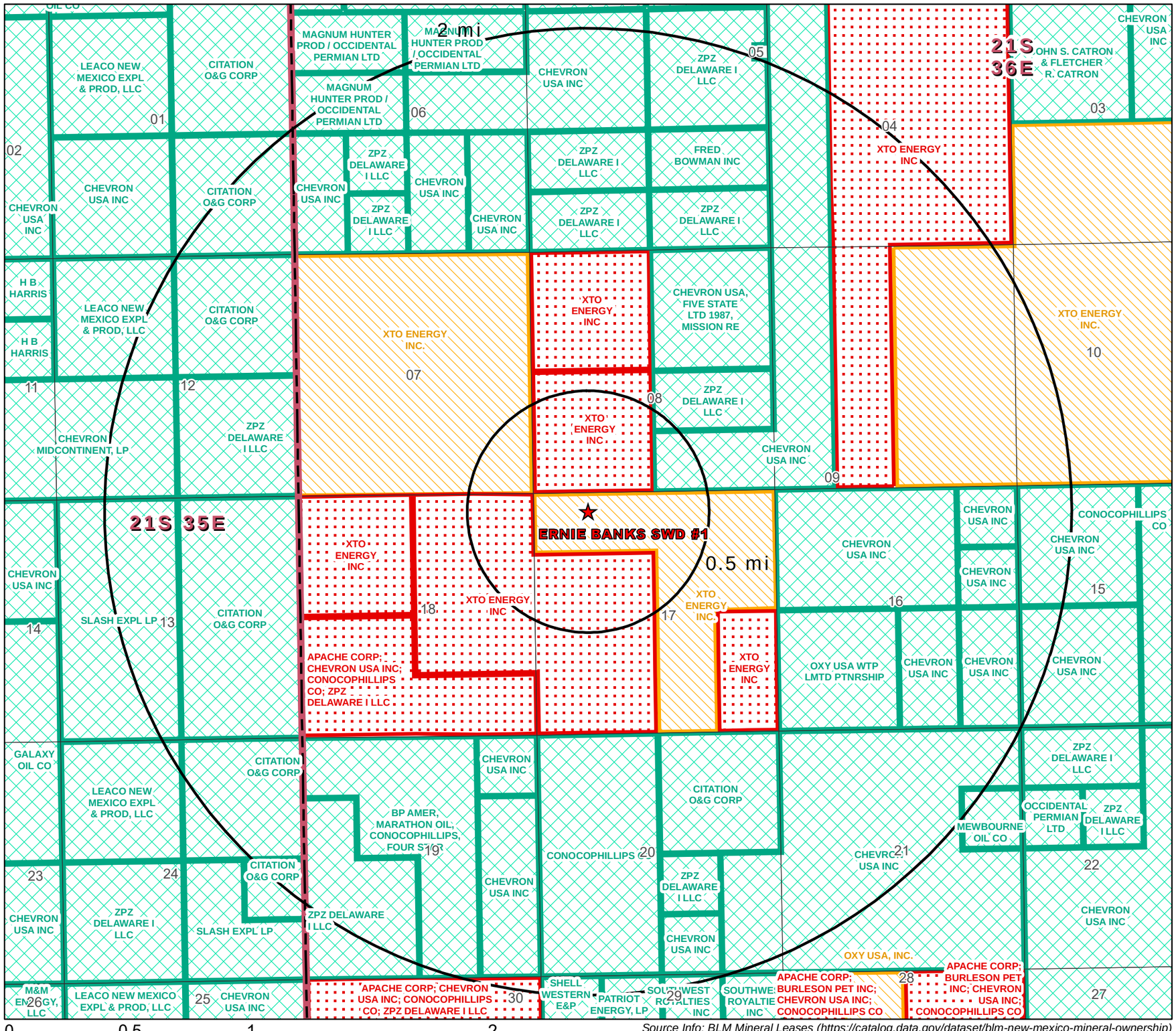
Prepared by: ALL CONSULTING

AOR Tabulation for Ernie Banks SWD #1 (Top of Injection Interval: 4,312')

Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
COLEMAN #001	30-025-04669	Oil	APACHE CORPORATION	12/4/1930	C-17-21S-36E	4,015	No
EUNICE MONUMENT SOUTH UNIT #379	30-025-04698	Plugged	CHEVRON U S A INC	6/7/1930	G-17-21S-36E	Plugged (4,147)	No
CAMPBELL HOUSTON GAS COM #005	30-025-31150	Gas	PENROC OIL CORP	3/5/1991	P-07-21S-36E	3,750	No
MEYER A 1 #018	30-025-29418	Gas	PENROC OIL CORP	9/10/1986	K-08-21S-36E	3,850	No
MEYER A 1 #019	30-025-30091	Gas	PENROC OIL CORP	11/30/1987	H-18-21S-36E	3,835	No
MEYER A 1 #020	30-025-32215	Gas	PENROC OIL CORP	10/13/1993	E-17-21S-36E	3,800	No
MEYER A 1 #022	30-025-33211	Gas	PENROC OIL CORP	1/21/1996	L-08-21S-36E	3,750	No
O L COLEMAN #006	30-025-30815	Gas	PENROC OIL CORP	5/5/1990	B-17-21S-36E	3,750	No
O L COLEMAN #007	30-025-32562	Gas	PENROC OIL CORP	9/29/1994	G-17-21S-36E	3,875	No
EUNICE MONUMENT SOUTH UNIT #325	30-025-04556	Oil	XTO ENERGY, INC	5/11/1934	K-08-21S-36E	3,875	No
EUNICE MONUMENT SOUTH UNIT #326	30-025-04559	Injection	XTO ENERGY, INC	9/10/1935	L-08-21S-36E	4,034	No
EUNICE MONUMENT SOUTH UNIT #334	30-025-04544	Injection	XTO ENERGY, INC	1/10/1935	P-07-21S-36E	4,047	No
EUNICE MONUMENT SOUTH UNIT #335	30-025-04558	Oil	XTO ENERGY, INC	10/1/1987	M-08-21S-36E	4,037	No
EUNICE MONUMENT SOUTH UNIT #336	30-025-04557	Injection	XTO ENERGY, INC	Unknown *	N-08-21S-36E	3,991	No
EUNICE MONUMENT SOUTH UNIT #337	30-025-04565	Plugged	XTO ENERGY, INC	5/11/1934	O-08-21S-36E	Plugged (3,925)	No
EUNICE MONUMENT SOUTH UNIT #366	30-025-04699	Injection	XTO ENERGY, INC	4/16/1934	B-17-21S-36E	4,053	No
EUNICE MONUMENT SOUTH UNIT #367	30-025-20202	Plugged	XTO ENERGY, INC	8/17/1963	C-17-21S-36E	Plugged (4,003)	No
EUNICE MONUMENT SOUTH UNIT #368	30-025-04697	Injection	XTO ENERGY, INC	9/24/1934	D-17-21S-36E	4,065	No
EUNICE MONUMENT SOUTH UNIT #376	30-025-04680	Injection	XTO ENERGY, INC	9/30/1987	H-18-21S-36E	4,136	No
EUNICE MONUMENT SOUTH UNIT #377	30-025-04689	Oil	XTO ENERGY, INC	9/14/1981	E-17-21S-36E	3,970	No
EUNICE MONUMENT SOUTH UNIT #378	30-025-04687	Injection	XTO ENERGY, INC	2/11/1931	F-17-21S-36E	4,048	No
EUNICE MONUMENT SOUTH UNIT #407	30-025-24588	Oil	XTO ENERGY, INC	12/3/1973	K-17-21S-36E	4,150	No

Notes:

- No wells within a 1/2-mile AOR penetrated the injection interval.
- Unknown* - Indicates that there was no spud date available from the NM OCD Imaging - Well File Search.
- A Review of the documents available from NM OCD imaging in association with the Eunice Momument South Unit #336 well, show that the well was drilled prior to 1955.



Legend

- Proposed SWD
- NMSLO Mineral Leases
- BLM Mineral Leases
- Private Mineral Leases
- Unleased Minerals - Private Owned

N

Source Info: BLM Mineral Leases (https://catalog.data.gov/dataset/blm-new-mexico-mineral-ownership) & NMSLO O&G Leases (http://www.nmstatelands.org/maps-gis/gis-data-download/)

Mineral Lease Area of Review

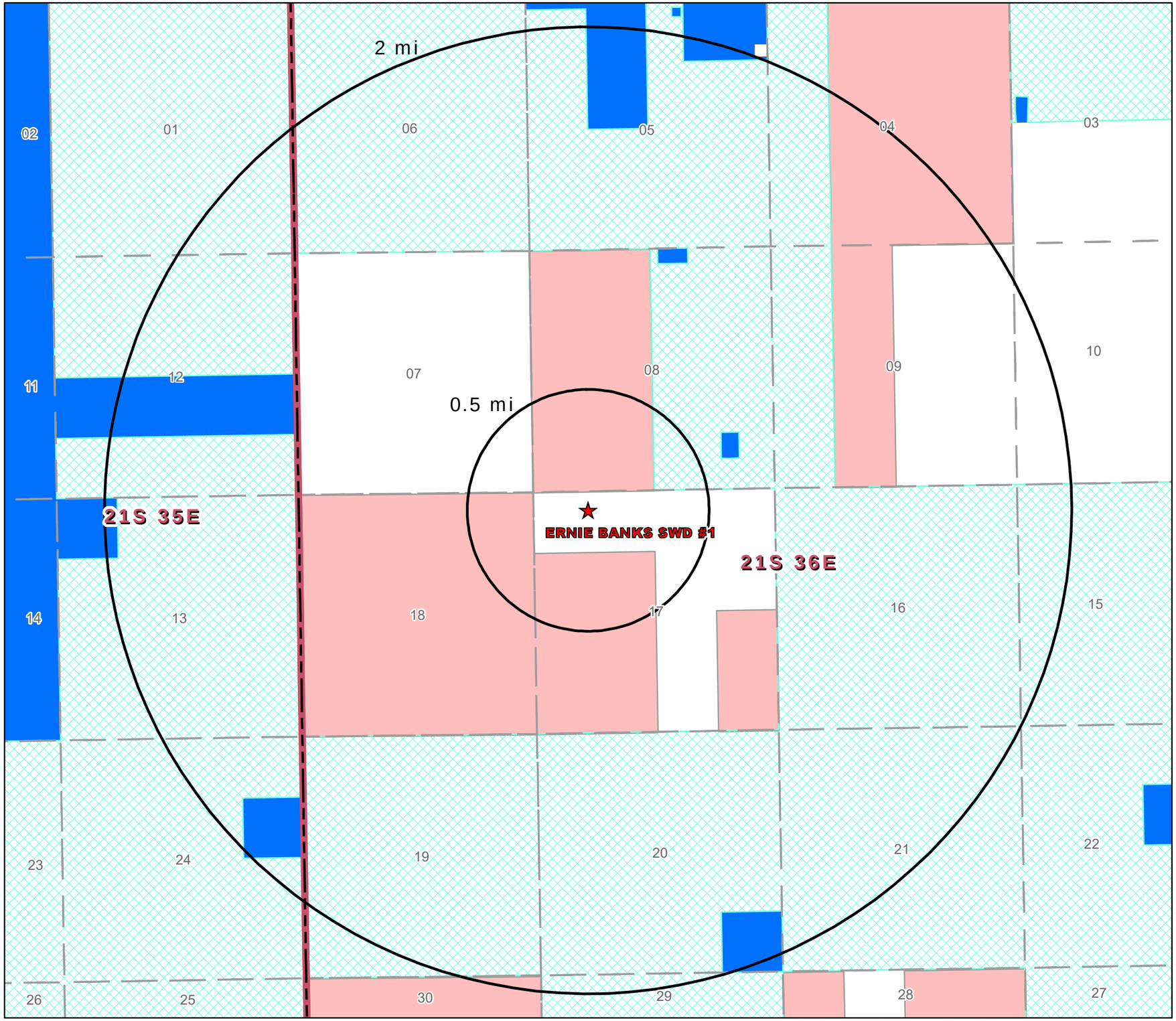
ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 20, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING



N

Legend

- Proposed SWD
- Private minerals
- Subsurface minerals (NMSLO)
- Surface and Subsurface minerals (NMSLO)

Mineral Ownership

- All minerals are owned by U.S. (BLM)

Source Info: BLM Mineral Ownership (https://catalog.data.gov/dataset/blm-new-mexico-mineral-ownership) & NMSLO Ownership (http://www.nmstatelands.org/maps-gis/gis-data-download/)

Mineral Ownership
Area of Review

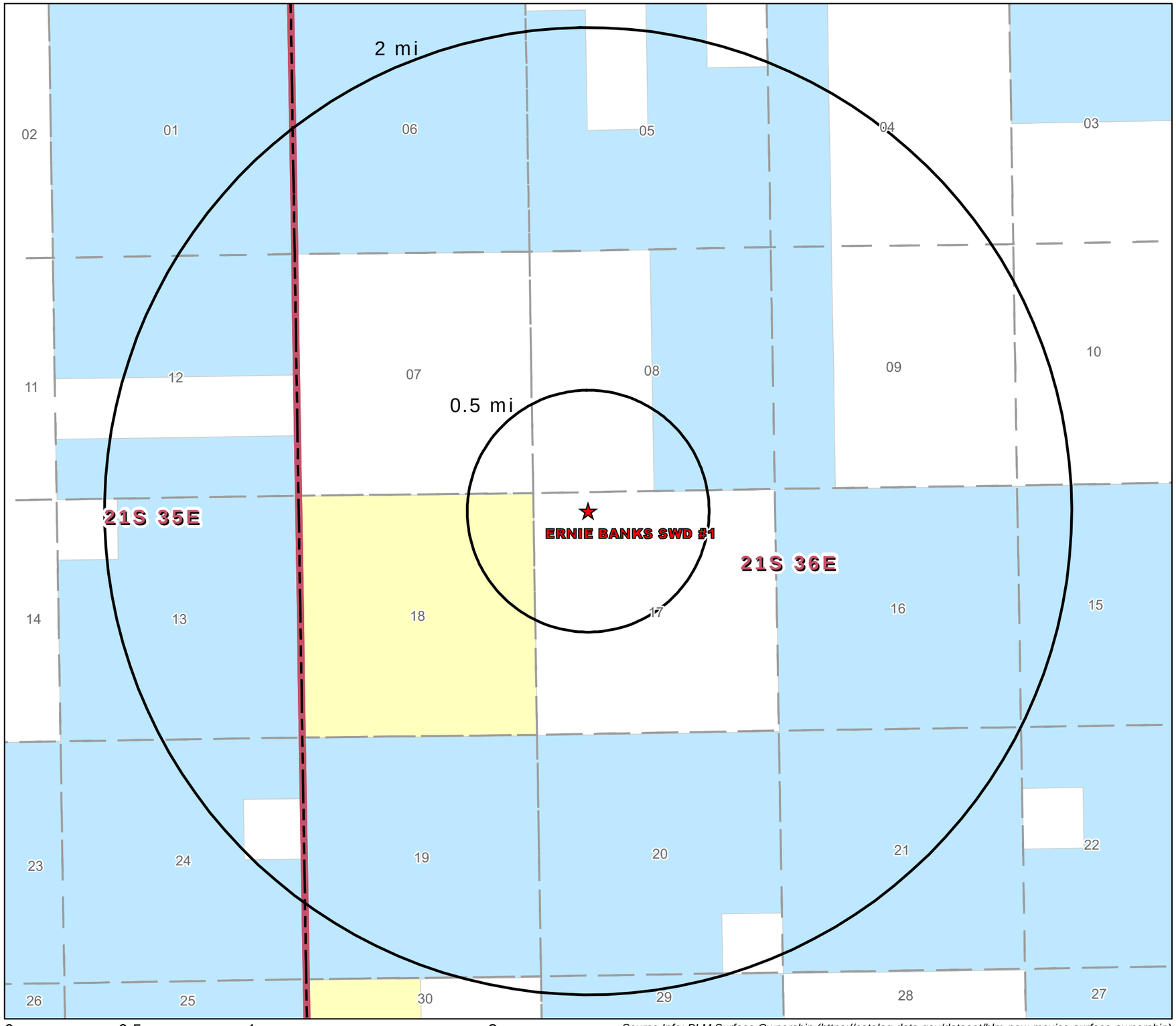
ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 21, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING



N

Legend

Proposed SWD

Surface Ownership

BLM

Private

State

Source Info: BLM Surface Ownership (https://catalog.data.gov/dataset/blm-new-mexico-surface-ownership)

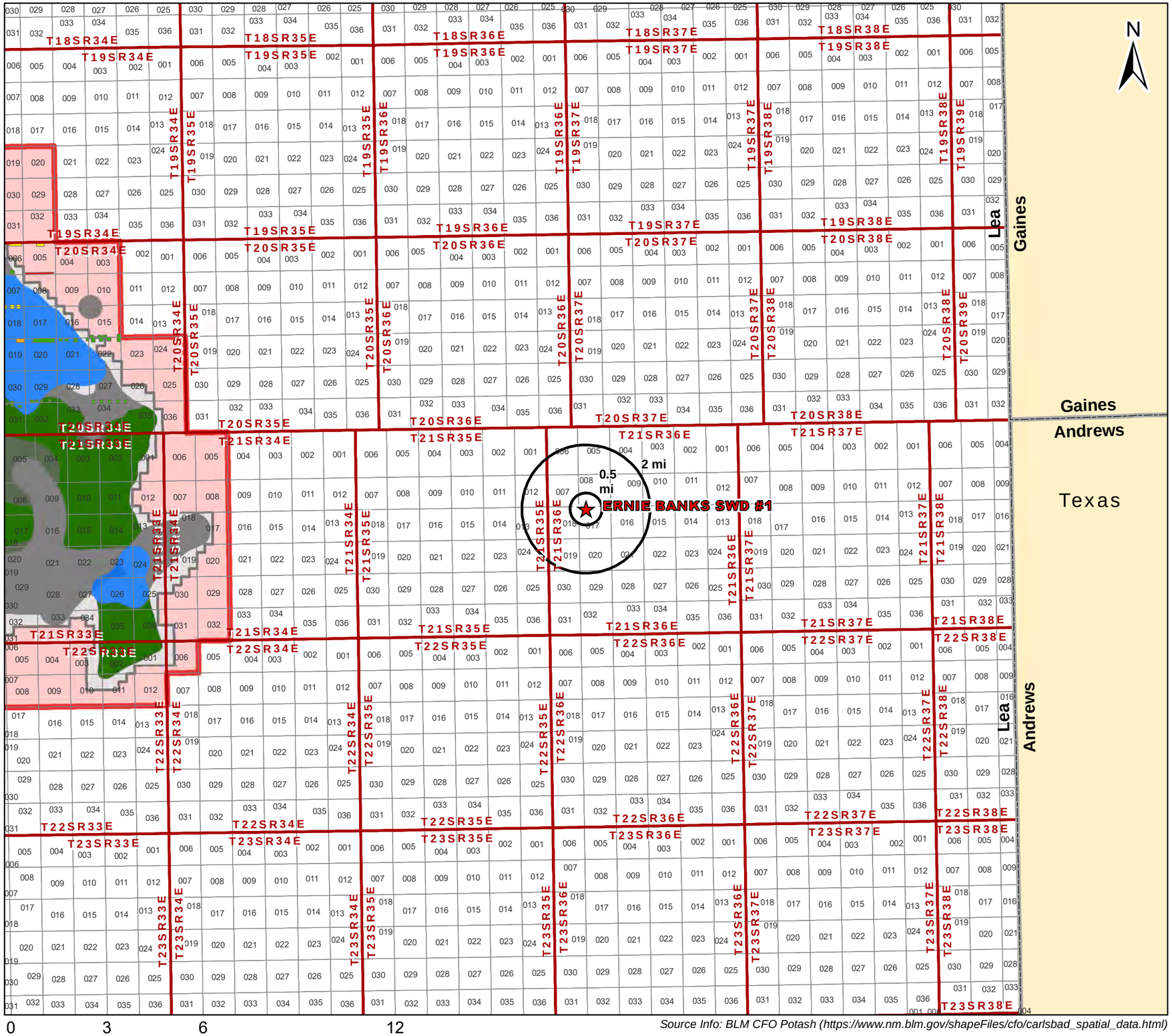
Surface Ownership
Area of Review

ERNIE BANKS SWD #1
Lea County, New Mexico

Proj Mgr: Dan Arthur	October 19, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING



Legend

- Proposed SWD
- 1/2 mi buffer
- Ore Type - Measured
- Ore Type - Indicated
- Ore Type - Inferred
- KPLA
- SOPA

Drill Islands

Status

- Approved
- Denied
- Nominated
- Withdrawn

Source Info: BLM CFO Potash (https://www.nm.blm.gov/shapeFiles/cfo/carlsbad_spatial_data.html)

Potash Leases
Area of Review

ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 19, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING

Attachment 3

Source Water Analyses

Source Water Formation Analysis

Goodnight Midstream Permian, LLC - Bone Spring, Wolfcamp & Delaware Formations

Wellname	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Field	Formation	Tds (mg/L)	Chloride (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)
LEA 403 STATE #001	3002503126	32.7386093	-103.4518051	22	18S	35E	D	660N	660W	LEA	NM	VACUUM SOUTH	BONE SPRING	255451	156699	327	779
HAMON STATE #001	3002503140	32.7175827	-103.4464035	27	18S	35E	K	2310S	2310W	LEA	NM	VACUUM SOUTH	BONE SPRING	154510	96360	430	1210
SHOOTING STAR STATE SWD #001	3002529805	32.7594261	-103.4270935	11	18S	35E	J	1650S	2310E	LEA	NM	SWD	BONE SPRING		148248	244	650
STATE NPA #001	3002503156	32.6879654	-103.5031815	6	19S	35E	L	1980S	660W	LEA	NM	SCHARB	BONE SPRING	195200	118000	220	1030
APPLESEED FEDERAL COM #001	3002520377	32.5750008	-103.4730377	17	20S	35E	H	1980N	660E	LEA	NM	LYNCH	BONE SPRING	173141	93660	5174	7916
ALPHABET AQR STATE #001	3002521342	32.4806519	-103.4940796	17	21S	34E	F	1980N	1980W	LEA	NM		BONE SPRING		95978	391	400
HUNT APO STATE #001	3002527135	32.5070038	-103.4812317	4	21S	34E	T	2310S	660W	LEA	NM	GRAMA RIDGE NORTH	BONE SPRING		154965	146	350
BERRY APN STATE #001	3002527250	32.5060349	-103.4983444	5	21S	34E	L	1980S	660W	LEA	NM	BERRY NORTH	BONE SPRING	128117	82351.1	567	1722.6
INDIAN FLATS BASS FEDERAL #002	3001521715	32.438549	-104.0594788	35	21S	28E	F	1980N	1980W	EDDY	NM	INDIAN FLATS	DELAWARE	149252	99299	267.18	2081.59
INDIAN FLATS BASS FEDERAL #003	3001521853	32.4340134	-104.0648575	35	21S	28E	L	1650S	330W	EDDY	NM	INDIAN FLATS	DELAWARE	146197	96176.8	400.404	1763.53
INDIAN FLATS BASS FEDERAL #004	3001522229	32.435833	-104.0605698	35	21S	28E	K	2310S	1650W	EDDY	NM	INDIAN FLATS	DELAWARE	148805	99247.4	335.195	1728.73
INDIAN FLATS BASS FEDERAL #005	3001522671	32.4303894	-104.0584564	35	21S	28E	N	330S	2310W	EDDY	NM	INDIAN FLATS	DELAWARE	144959	95967.9	200.202	1882.77
INDIAN FLATS BASS FEDERAL #006	3001522673	32.4303932	-104.0561905	35	21S	28E	O	330S	2310E	EDDY	NM	INDIAN FLATS	DELAWARE	163756	110195	134.566	1662.22
BIG EDDY FEDERAL #098	3001524707	32.4960899	-104.1280518	7	21S	28E	F	2180N	1980W	EDDY	NM	FENTON NORTHWEST	DELAWARE	153408	103522	718.9	247.744
INDIAN FLATS BASS FEDERAL #001	3001524968	32.438549	-104.0637589	35	21S	28E	E	1980N	660W	EDDY	NM	INDIAN FLATS	DELAWARE	136419	89021	397.842	1681.59
BIG EDDY UT #016	3001510867	32.4776154	-104.021843	18	21S	29E	J	1980S	1980E	EDDY	NM		DELAWARE	40942	23800	329	1500
GOLDEN D FEDERAL #002	3001527060	32.488533	-104.004631	8	21S	29E	O	660S	1980E	EDDY	NM	GOLDEN LANE SOUTH	DELAWARE	242051	173806	281.82	781.935
GOLDEN B FEDERAL #001	3001527061	32.4948692	-104.0100784	8	21S	29E	F	2310N	1650W	EDDY	NM	GOLDEN LANE SOUTH	DELAWARE	180633	125909	548.024	965.78
GOLDEN D FEDERAL #003	3001527683	32.4912529	-104.0056992	8	21S	29E	J	1650S	2310E	EDDY	NM	GOLDEN LANE SOUTH	DELAWARE	220337	153865	277.428	1042.63
LUCY ALC STATE #002	3001531792	32.4323502	-103.7582169	34	21S	31E	I	1650S	330E	EDDY	NM	LOST TANK	DELAWARE		159964	73	195
LUCY ALC STATE #003	3001531793	32.432518	-103.7635651	34	21S	31E	J	1710S	1980E	EDDY	NM	LOST TANK	DELAWARE		144967	73	145
H L VINSON #001	3002503587	33.5251312	-103.237999	22	09S	36E	A	660N	660E	Lea	NM		WOLFCAMP		66400	187	690
PHILLIPS STATE #001	3002503659	33.3458824	-103.2939529	22	11S	36E	N	660S	1980W	LEA	NM	CINDY	WOLFCAMP	78885	47400	354	875
STATE CA #001	3002503743	32.902153	-103.3229828	23	16S	36E	O	660S	1980E	LEA	NM	LOVINGTON	WOLFCAMP	167968	102800	61	623
SINCLAIR STATE #002	3002503123	32.7386246	-103.4561005	21	18S	35E	A	660N	660E	LEA	NM	VACUUM SOUTH	WOLFCAMP	60950	33568	1087	3049

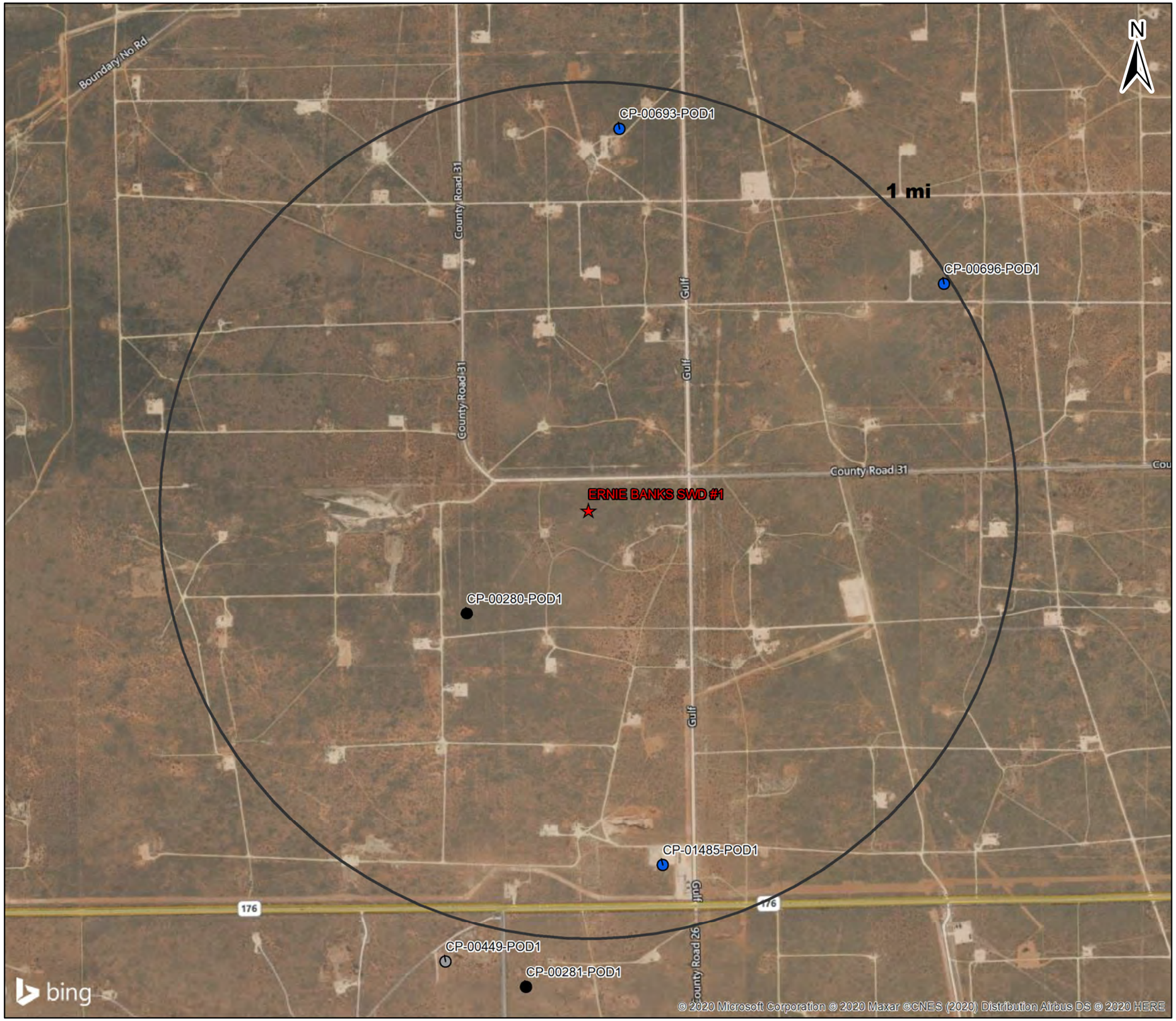
Attachment 4

Injection Formation Water Analyses

Goodnight Midstream Permian, LLC - San Andres Formation																	
Wellname	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Field	Formation	Tds (mg/L)	Chloride (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)
EUNICE MONUMENT SOUTH UNIT #294	3002504562	32.49519	-103.2938995	8	21S	36E	E	1980N	660W	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	16408.0	8357.3	846.9	1410.1
EUNICE MONUMENT SOUTH UNIT #282	3002521902	32.498848	-103.2813873	8	21S	36E	A	660N	760E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	17899.1	9016.5	1378.0	1192.5
EUNICE MONUMENT SOUTH UNIT #282	3002521902	32.498848	-103.2813873	8	21S	36E	A	660N	760E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	13209.4	6315.7	1172.8	1069.6
EUNICE MONUMENT SOUTH UNIT #284	3002504561	32.498829	-103.2896271	8	21S	36E	C	660N	1980W	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	149764.0	94400.0	427.0	734.0
C P FALBY B FEDERAL #004	3002510106	32.40453	-103.1914597	8	22S	37E	L	1980S	660W	LEA	NM	CARY	SAN ANDRES	80540.0	43500.0	755.0	5950.0
C P FALBY A FEDERAL #003	3002510118	32.408142	-103.1871872	8	22S	37E	F	1980N	1980W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	59766.0			
C P FALBY A FEDERAL #004	3002510120	32.408134	-103.1914673	8	22S	37E	E	1980N	660W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	10925.0	5312.0	1620.0	201.0
PENROSE #002	3002510146	32.407871	-103.1739807	9	22S	37E	E	2086N	776W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	64895.0	38010.0	488.0	2100.0
EUNICE MONUMENT SOUTH UNIT #404	3002504688	32.477978	-103.2778244	16	21S	36E	L	2310S	330W	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	20286.0	10900.0	1818.0	231.0
EUNICE MONUMENT SOUTH UNIT #409	3002504678	32.47707	-103.2981644	18	21S	36E	I	1980S	660E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	9161.2	4248.7	1360.8	416.3
EUNICE MONUMENT SOUTH UNIT #416	3002504670	32.47253	-103.2970886	18	21S	36E	P	330S	330E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	9303.0	5218.0	264.0	382.0
EUNICE MONUMENT SOUTH UNIT #370	3002504684	32.484352	-103.3024521	18	21S	36E	B	660N	1980E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	11598.0	6380.0	1380.0	18.0
EUNICE MONUMENT SOUTH UNIT #409	3002504678	32.47707	-103.2981644	18	21S	36E	I	1980S	660E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	10943.9	4990.0	1585.6	553.6
EUNICE MONUMENT SOUTH UNIT #409	3002504678	32.47707	-103.2981644	18	21S	36E	I	1980S	660E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	14155.7	6186.4	1721.4	982.5
STATE AV #001	3002504706	32.470715	-103.297081	19	21S	36E	A	330N	330E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	6334.0	2553.0	1732.0	2.0
STATE AV #001	3002504706	32.470715	-103.297081	19	21S	36E	A	330N	330E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	8560.0	3600.0	671.0	1330.0

Attachment 5

Water Well Map and Well Data



Legend

- ★ Proposed SWD

NMOSE Points of Diversion

- Active (3)
- Pending (0)
- Change Location of Well (0)
- Capped (0)
- Plugged (0)
- Incomplete (1)
- Unknown (2)

SourceInfo: ttps://gis.ose.state.nm.us/arcgis/rest/services/WatersPod/OSE_PODs/MapServer/0

Water Wells Area of Review

ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 19, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING

Water Well Sampling Rationale

Goodnight Midstream Permian, LLC - Ernie Banks SWD #1

Water Wells	Owner	Available Contact Information	Use	Sampling Required	Notes
CP 00280 POD1	CONTINENTAL OIL COMPANY	P.O Box 460 Hobbs, NM 88241	Industrial	No	Temporarily abandoned, may re-enter in the future for industrail use.
CP 00693 POD1	CHEVRON USA INC	6301 Deauville Blvd. Midland, TX 79706	Secondary Recovery of Oil	No	Not a freshwater well.
CP 00696 POD1	CHEVRON USA INC	6301 Deauville Blvd. Midland, TX 79706	Secondary Recovery of Oil	No	Not a freshwater well.
CP 01485 POD1	DASCO CATTLE CO LLC	Dasco Cattle Co., LLC Atlee Snyder Contact: 575-631-9438 & 575-391-0309	Commercial	Yes	Sample collected on 01/28/2019. Analysis included in ***Attachment 5.***

Note:

Phillips Freshwater Analysis– Attachment XI-2

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For: CP-01485 Pod 1

Etech Environmental & Safety Solutions P.O. Box 301 Lovington NM, 88260	Project: GOODNIGHT MIDSTREAM Project Number: NONE GIVEN Project Manager: LANCE CRENSHAW Fax To: (575) 396-1429	Reported: 05-Feb-19 17:18

PHILLIPS WELL & STOCK TANK

H900304-04 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Alkalinity, Bicarbonate	**224**		5.00	mg/L	1	9012407	AC	30-Jan-19	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	9012407	AC	30-Jan-19	310.1	
Chloride*	**176**		4.00	mg/L	1	9012811	AC	31-Jan-19	4500-Cl-B	
Conductivity*	**1200**		1.00	uS/cm	1	9013002	AC	30-Jan-19	120.1	
pH*	**8.87**		0.100	pH Units	1	9013002	AC	30-Jan-19	150.1	
Resistivity	**8.35**			Ohms/m	1	9013002	AC	30-Jan-19	120.1	
Specific Gravity @ 60° F	**1.002**		0.000	[blank]	1	9013007	AC	30-Jan-19	SM 2710F	
Sulfate*	**242**		50.0	mg/L	5	9013006	AC	30-Jan-19	375.4	
TDS*	**644**		5.00	mg/L	1	9012801	AC	31-Jan-19	160.1	
Alkalinity, Total*	**184**		4.00	mg/L	1	9012407	AC	30-Jan-19	310.1	
Green Analytical Laboratories										
Total Recoverable Metals by ICP (E200.7)										
Barium*	<0.050		0.050	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Calcium*	**69.8**		0.100	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Iron*	**0.097**		0.050	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Magnesium*	**36.1**		0.100	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Potassium*	**6.36**		1.00	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Sodium*	**119**		1.00	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Attachment 6

Public Notice Affidavit and Notice of Application Confirmations

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Goodnight Midstream Permian, LLC, 5910 N Central Expressway, Suite 850, Dallas, TX 75206, is requesting that the New Mexico Oil Conservation Division administratively approve the APPLICATION FOR AUTHORIZATION TO INJECT as follows:

PURPOSE: The intended purpose of the injection well is to dispose of salt water produced from permitted oil and gas wells.

WELL NAME AND LOCATION: Ernie Banks SWD #1
Located approximately 8.42 miles northwest of Eunice, NM
NW ¼ NW ¼, Section 17, Township 21S, Range 36E
395' FNL & 1,203' FWL
Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE: San Andres (4,312' – 5,615')
EXPECTED MAXIMUM INJECTION RATE: 25,000 Bbls/day
EXPECTED MAXIMUM INJECTION PRESSURE: 862 (surface)

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.

Additional information may be obtained by contacting Nate Alleman at 918-382-7581.

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
November 11, 2020
and ending with the issue dated
November 11, 2020.

Publisher

Sworn and subscribed to before me this
11th day of November 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

LEGAL NOTICE
November 11, 2020

APPLICATION FOR AUTHORIZATION TO INJECT

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Additional information may be obtained by contacting Nate Alleman at 918-382-7581.
#35981

67115320 00248390

DANIEL ARTHUR
ALL CONSULTING
1718 S. CHEYENNE AVE.
TULSA, OK 74119

Ernie Banks SWD #1 - Notice of Application Recipients				
Entity	**Address**	**City**	**State**	**Zip Code**
Land & Mineral Owner				
Monte Guy Morton	P.O. Box 917	Denton	TX	76702
OCD District				
NMOCD District 1	1625 N. French Drive	Hobbs	NM	88240
Leasehold Operators				
Apache Corporation (APACHE CORPORATION)	303 Vet Airpark Lane, Suite 3000	Midland	TX	79705
Chevron USA, Inc. (CHEVRON USA INC, CHEVRON U S A INC)	6301 Deauville Blvd	Midland	TX	79706
Commision of Public Lands - State Lands Office	310 Old Santa Fe Trail	Santa Fe	NM	87501
Penroc Oil Corporation (PENROC OIL CORP)	P.O. Box 2769	Hobbs	NM	88241
XTO Energy, Inc. (XTO ENERGY INC, XTO ENERGY INC., XTO ENERGY, INC)	500 W. Illinois, Suite 100	Midland	TX	79701
ZPZ Delaware I, LLC (ZPZ DELAWARE I LLC)	2000 Post Oak Blvd., Suite 100	Houston	TX	77056

Notes: The table above shows the Entities who were identified as parties of interest requiring notification on either the 1-mile well detail list (Attachment 2) or on the 2-mile Mineral Lease Map (Attachment 2). The names listed above in parenthesis, are the abbreviated entity names used on either the 1-mile well detail list (Attachment 2) or on the 2-

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Hobbs NM 88240-9273

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Tulsa OK 74119

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XTO Energy, Inc.
500 West Illinois Ave Suite 100
Midland TX 79701-4337

ALL Consulting, LLC
1718 S Cheyenne Ave
Tulsa OK 74119

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CERTIFIED MAIL®

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ZPZ Delaware I, LLC
200 Post Oak Blvd Suite 100
Houston TX 77056

ALL Consulting, LLC
1718 S Cheyenne Ave
Tulsa OK 74119

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03/18

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF GOODNIGHT MIDSTREAM PERMIAN, LLC FOR APPROVAL OF A SALT WATER DISPOSAL WELL, LEA COUNTY, NEW MEXICO.

CASE NO. 21570

APPLICATION

Goodnight Midstream Permian, LLC ("Goodnight Midstream") (OGRID No. 372311), through its undersigned attorneys, hereby files this application with the Oil Conservation Division, pursuant to the provisions of NMSA 1978, § 70-2-12(B)(15), for an order authorizing injection of produced salt water for purposes of disposal. In support, Goodnight Midstream states the following:

1. Attached is a complete Form C-108 application for authorization to inject that contains all the information necessary to authorize the requested approval to inject and that was filed with the Division for administrative approval on November 17, 2020. *See* C-108, attached as **Exhibit A**, and incorporated herein.

2. Goodnight Midstream proposes to drill a new commercial salt water disposal well to be named **Ernie Banks SWD No. 1 Well** (API No. pending), which will be located 395 feet from the north line and 1,203 feet from the west line (Unit D), Section 17, Township 21 South, Range 36 East, NMPM, Lea County, New Mexico.

3. The proposed injection disposal interval will be within the San Andres formation [SWD; San Andres (Pool Code 96121)] between approximately 4,312 feet and 5,615 feet below the ground through a perforated completion.

4. Disposal fluid will be produced salt water from oil and gas wells in the area producing from the Bone Spring, Delaware, and Wolfcamp formations.

5. The estimated average surface injection pressure is expected to be approximately 431 psi. The maximum surface injection pressure will be 862 psi.

6. The granting of this application will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

7. The administrative application was protested by the New Mexico State Land Office. Accordingly, Goodnight Midstream hereby requests that its application be set for hearing pursuant to 19.15.26.8(E) NMAC.

WHEREFORE, Goodnight Midstream Permian, LLC requests that this application be set for hearing before an Examiner of the Oil Conservation Division on January 7, 2021, and, after notice and hearing as required by law, the Division enter an order approving this application.

Respectfully submitted,

HOLLAND & HART LLP

By:_____

Michael H. Feldewert
Adam G. Rankin
Julia Broggi
Kaitlyn A. Luck
Post Office Box 2208
Santa Fe, New Mexico 87504-2208
(505) 988-4421
(505) 983-6043 Facsimile
mfeldewert@hollandhart.com
agrankin@hollandhart.com
jbroggi@hollandhart.com
kaluck@hollandhart.com

ATTORNEYS FOR GOODNIGHT MIDSTREAM PERMIAN, LLC

Initial Application Part I

Received 11/17/20

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

EXHIBIT A

ALL CONSULTING
GOVERNMENT RELATIONS · ENERGY · PLANNING · TECHNOLOGY
ENGINEERING · ENVIRONMENTAL

November 16, 2020

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

Subject: Goodnight Midstream Permian, LLC – Ernie Banks SWD # 1
Application for Authorization to Inject

To Whom It May Concern,

On behalf of Goodnight Midstream Permian, LLC (Goodnight), ALL Consulting, LLC (ALL) is submitting the enclosed Application for Authorization to Inject for the Ernie Banks SWD #1, a proposed salt water disposal well, in Lea County, NM.

Should you have any questions regarding the enclosed application, please contact Nate Alleman at (918) 382-7581 or nalleman@all-llc.com.

Sincerely,
ALL Consulting

Nate Alleman
Sr. Regulatory Specialist

MW98U-201117-C-1080

Revised March 23, 2017

RECEIVED: 11/17/20	REVIEWER:	TYPE: SWD	APP NO: pBL2032264441

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: Goodnight Midstream Permian, LLC **OGRID Number:** 372311
Well Name: Ernie Banks SWD #1 **API:**
Pool: SWD; San Andres **Pool Code:** 96121

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-2404

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.

Nate Alleman
Print or Type Name

Nathan Alleman
Signature

11/16/2020
Date

918-382-7581
Phone Number

nalleman@all-llc.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: Goodnight Midstream Permian, LLC

ADDRESS: 5910 N Central Expressway, Suite 850, Dallas, TX 75206

CONTACT PARTY: Grant Adams PHONE: 214-444-7388(0)

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: _____

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.

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.

VII. Attach data on the proposed operation, including:

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

*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.

IX. Describe the proposed stimulation program, if any.

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

*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.

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.

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

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: Nathan Alleman TITLE: Regulatory Specialist - Consultan

SIGNATURE:  DATE: 11/16/2020

E-MAIL ADDRESS: nalleman@all-llc.com

XV. 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.

Application for Authorization to Inject
Well Name: Ernie Banks SWD #1

III – Well Data (*The Wellbore Diagram is included as **Attachment 1***)

A.

(1) General Well Information:

Operator: Goodnight Midstream Permian, LLC (OGRID No. 372311)
Lease Name & Well Number: Ernie Banks SWD #1
Location Footage Calls: 395 FNL & 1,203 FWL
Legal Location: Unit Letter D, S17 T21S R36E
Ground Elevation: 3,550.6'
Proposed Injection Interval: 4,312' – 5,615'
County: Lea

(2) Casing Information:

Type	Hole Size	Casing Size	Casing Weight	Setting Depth	Sacks of Cement	Estimated TOC	Method Determined
Surface	17-1/2"	13-3/8"	54.5 lb/ft	1,500'	1,180	Surface	Circulation
Production	12-1/4"	9-5/8"	40.0 lb/ft	5,720'	1,400	Surface	Circulation
Tubing	N/A	5-1/2"	Composite weight string	4,270'	N/A	N/A	N/A

(3) Tubing Information:

5-1/2" (composite weight string) of fiberglass-coated tubing with setting depth of 4,270'

(4) Packer Information: Baker SC-2 or equivalent packer set at 4,270'

B.

(1) Injection Formation Name: San Andres
Pool Name: SWD; SAN ANDRES
Pool Code: 96121
(2) Injection Interval: Perforated injection between 4,312' – 5,615'
(3) Drilling Purpose: New Drill for Salt Water Disposal
(4) Other Perforated Intervals: No other perforated intervals exist.
(5) Overlying Oil and Gas Zones: Below are the approximate formation tops for known oil and gas producing zones in the area.

- Grayburg (3,900')
- **Underlying Oil and Gas Zones:** There are no known geologic zones below the San Andres formation that contain hydrocarbon within 2 miles of the proposed SWD location. The underlying zones between the San Andres formation and the Devonian formation were drilled and logged by the Snyder (Ryno) SWD (30-025-43901) which penetrated the Devonian formation at 11,000 feet. The Glorieta, Paddock, Blinebry, Tubb, and Drinkard are present and are either impermeable rock or are saline aquifers. The closest known hydrocarbon in these formations is at the top of the Monument Field structure, 2.5 miles away.

V – Well and Lease Maps

The following maps are included in ***Attachment 2***:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership map
- Potash Lease Map

VI – AOR Well List

There are 22 wells within the 1/2-mile AOR, but none of the wells penetrate the proposed injection zone.

A list of the wells within the 1/2-mile AOR is included in ***Attachment 2***.

VII – Proposed Operation

(1) Proposed Maximum Injection Rate: 25,000 bpd
Proposed Average Injection Rate: 17,500 bpd

(2) A **closed system** will be used.

(3) Proposed Maximum Injection Pressure: 862 psi (surface)
Proposed Average Injection Pressure: approximately 431 psi (surface)

(4) Source Water Analysis: It is expected that the injectate will consist of produced water from production wells completed in the Delaware, Wolfcamp and Bone Springs formations. Analysis of water from these formations is included in ***Attachment 3***.

(5) Injection Formation Water Analysis: The proposed SWD will be injecting water into the San Andres formation which is a non-productive zone known to be compatible with formation water from the Wolfcamp and Bone Springs formations. Water analyses from the San Andres, and Grayburg formations in the area are included in ***Attachment 4.***

VIII – Geologic Description

- **San Andres Injection Formations:** The injection interval consists of the San Andres Formation at a depth of 4,312 ft – 5,615 ft. This formation consists of interbedded carbonate rocks including dolomites, siltstones, and sands.
- **Confining Layers:**
  - **Upper Confinement:** The injection formation is confined from overlying production by layers of low porosity anhydrites and dolomites located in the top of both the San Andres and Grayburg formations that are not capable of transmitting fluid.

VIII – Geologic Description (Continued)

- **Lower Confinement:** The injection formation is confined from potential underlying production formations by layers of low permeability rock located at the base of the San Andres and above the Glorieta interval. Additionally, the Paddock formation, located below the Glorieta formation, is a non-hydrocarbon bearing zone, that does not have the porosity intervals, that are present in the hydrocarbon bearing portions of the Paddock formation. As such the paddock will function as an additional confinement zone between the injection interval and any potential underlying production.

- **Lowermost Underground Source of Drinking Water (USDW):** The base of the deepest USDW (Rustler Formation) is at a depth of approximately 1300 feet which is covered by the surface casing set at 1,500 feet and cemented to surface to isolate the USDW. Water well depths in the area range from approximately 200 – 305 feet below ground surface.

IX – Proposed Stimulation Program

A small cleanup acid job may be used to remove mud and drill cuttings from the formation. However, no other formation stimulation is currently planned.

X – Logging and Test Data

Logs will be submitted to the Division upon completion of the well.

XI – Fresh Groundwater Samples

Based on a review of data from the New Mexico Office of the State Engineer, 4 groundwater wells are located within 1 mile of the proposed SWD location; however, state water well data and conversations with water well owners have revealed that only 1 of the water wells are active. A Water Sample was collected on January 28th, 2019.

A water well map, details of water wells within 1-mile, and any associated water analyses are included in ***Attachment 5***.

XII – No Hydrologic Connection Statement

No faulting is present in the area that would provide a hydrologic connection between the injection interval and overlying USDWs. Additionally, the casing program has been designed to ensure there will be no hydrologic connection between the injection interval and overlying USDWs.

XIII – Proof of Notice

A Public Notice was filed with the Hobbs News-Sun newspaper and an affidavit is included in ***Attachment 6***.

A copy of the application was mailed to the OCD District Office, landowner, and leasehold operators within 1/2-mile of the proposed SWD location. A list of the recipients, as well as delivery confirmations, are included in ***Attachment 6***.

Attachments

Attachment 1: C-102 & Wellbore Diagram

Attachment 2: Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map

Attachment 3: Source Water Analyses

Attachment 4: Injection Formation Water Analyses

Attachment 5: Water Well Map and Well Data

Attachment 6: Public Notice Affidavit and Notice of Application Confirmations

Attachment 1

- C-102
- Wellbore Diagram

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	96121	SWD; SAN ANDRES

Property Code	Property Name	Well Number
	ERNIE BANKS SWD	1

OGRID No.	Operator Name	Elevation
372311	GOODNIGHT MIDSTREAM PERMIAN, LLC	3550.6'

Surface Location

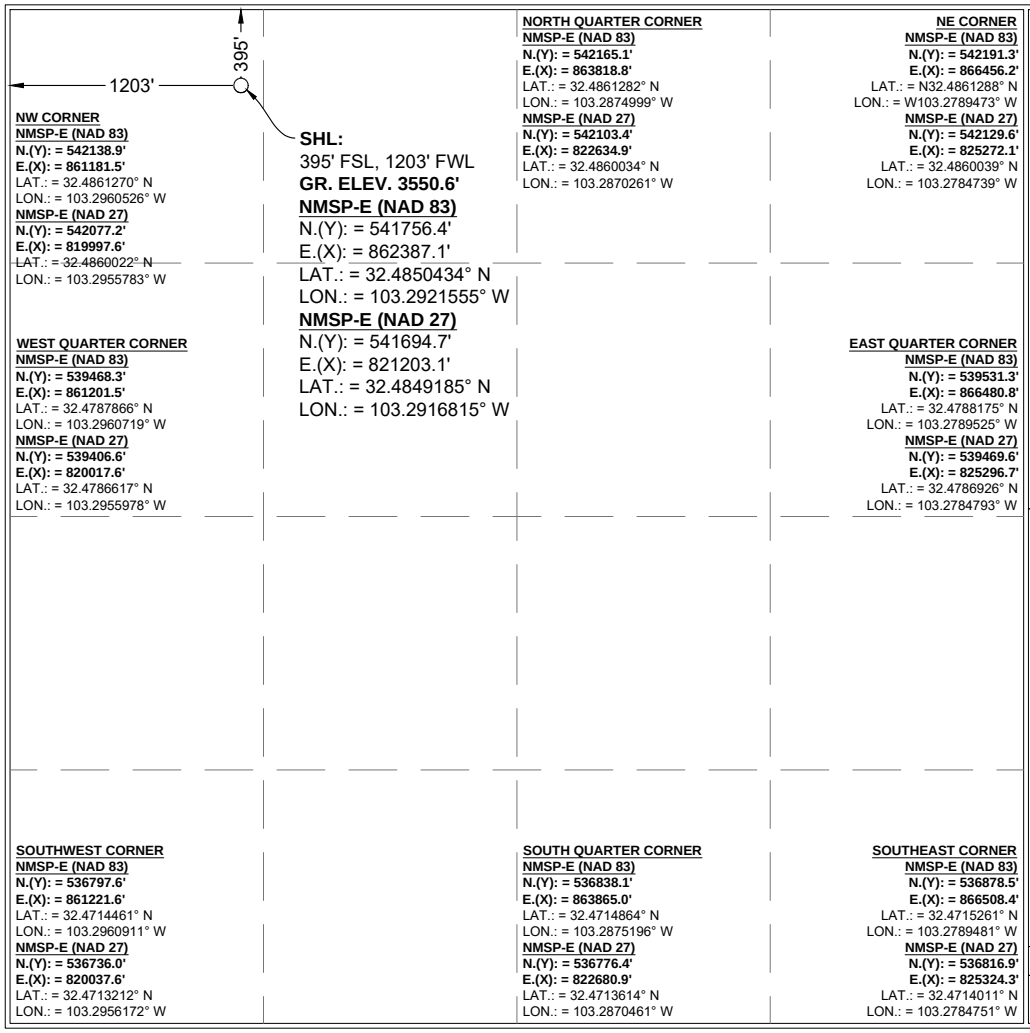
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	17	21-S	36-E		395	NORTH	1203	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidated Code	Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Nathan Alleman — 11/16/2020
Signature — Date

Natehan Alleman
Print Name

Nalleman@all-llc.com
E-mail Address

SURVEYORS CERTIFICATION

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

SEPTEMBER 30, 2020
Date of Survey

Signature and Seal of Professional Surveyor:

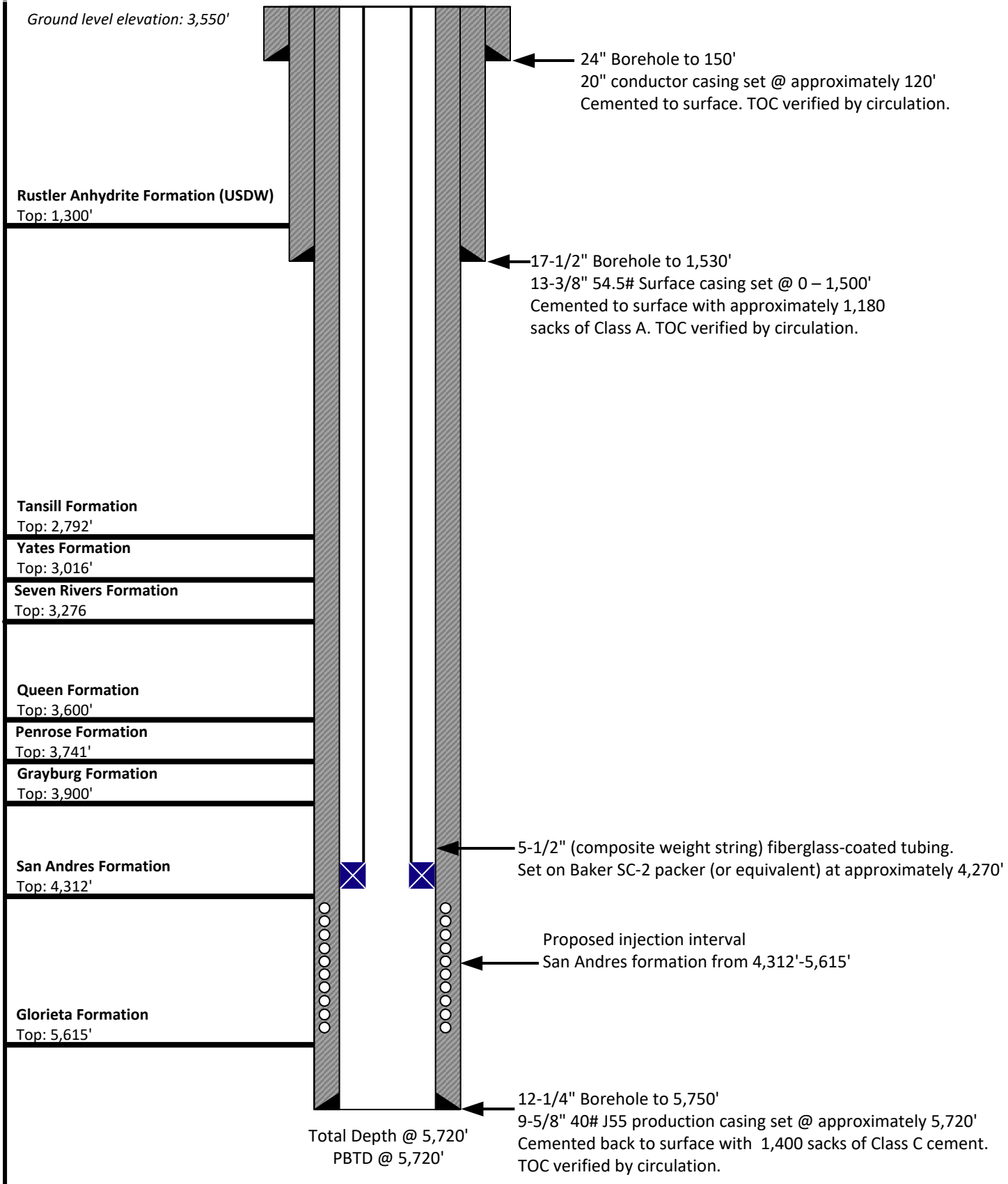
JAMES E. TOMPKINS NEW MEXICO 14729 REGISTERED PROFESSIONAL LAND SURVEYOR

James E. Tompkins

Job No.: WTC 54323 Draft: M.Y.

JAMES E. TOMPKINS 14729
Certificate Number

PLAT: X:\PROJECTS\OIL & GAS SURVEYS\ALL CONSULTING\54323-ALL CONSULTING, STAKE & PLAT ANDRW DAWSON SWD#1 & ERNIE BANKS SWD#1, LEA CO. NM\DRAWINGS\54323-ANDRW DAWSON SWD#1 & ERNIE BANKS SWD#1 LAYOUT TAB: C10211/10/2020 2:02 PM



NOT TO SCALE
Cement volumes include 25% excess.

Proposed Maximum Injection Rate: 25,000 BPD

Prepared by: ALL CONSULTING *Prepared for:* GOODNIGHT MIDSTREAM	Drawn by: Joshua Ticknor Project Manager: Dan Arthur Date: 11/4/2020	**Goodnight Midstream Permian, LLC** Ernie Banks SWD #1 API# TBD 395' FNL & 1,203' FWL, Unit D of Sec 17-T21S-R36E Lea County, New Mexico

SC-2 Retrievable Packer

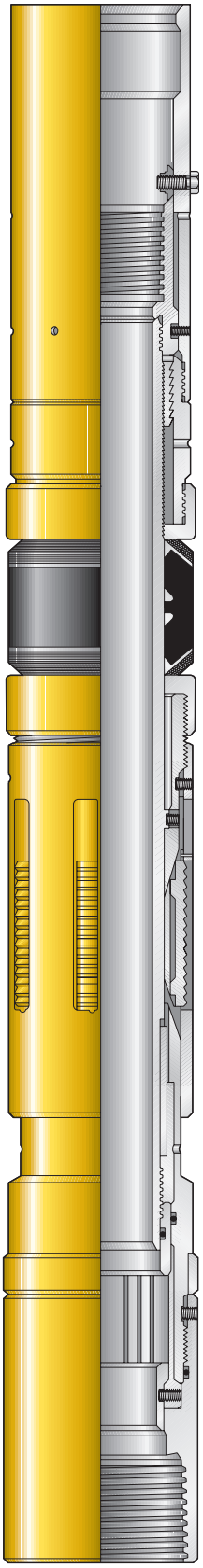
Product Family No. H48807

APPLICATION

The Baker Hughes SC-2™ retrievable packer is a high-performance, retrievable, sealbore packer. It can be run and set on electric wireline, slick line/tubing with the same setting tools used for the D packer.

Advantages

- Can be set with wireline or hydraulic setting tools
- Can be equipped with a variety of bottom guides (must be ordered separately)
- Packer easily accommodates tubing expansion or contraction
- Tubing and seals can be removed without accidentally unsetting packer
- Easy retrieval due to caged slips and releasing mechanism located in protected area below packing element
- Packer's releasing mechanism is not affected by differential pressure or tailpipe weight
- Case-hardened slips suitable for all grades of casing including V-150
- Compatible with standard Baker Hughes' seal accessories, tubing-conveyed perforating and gravel-packing systems

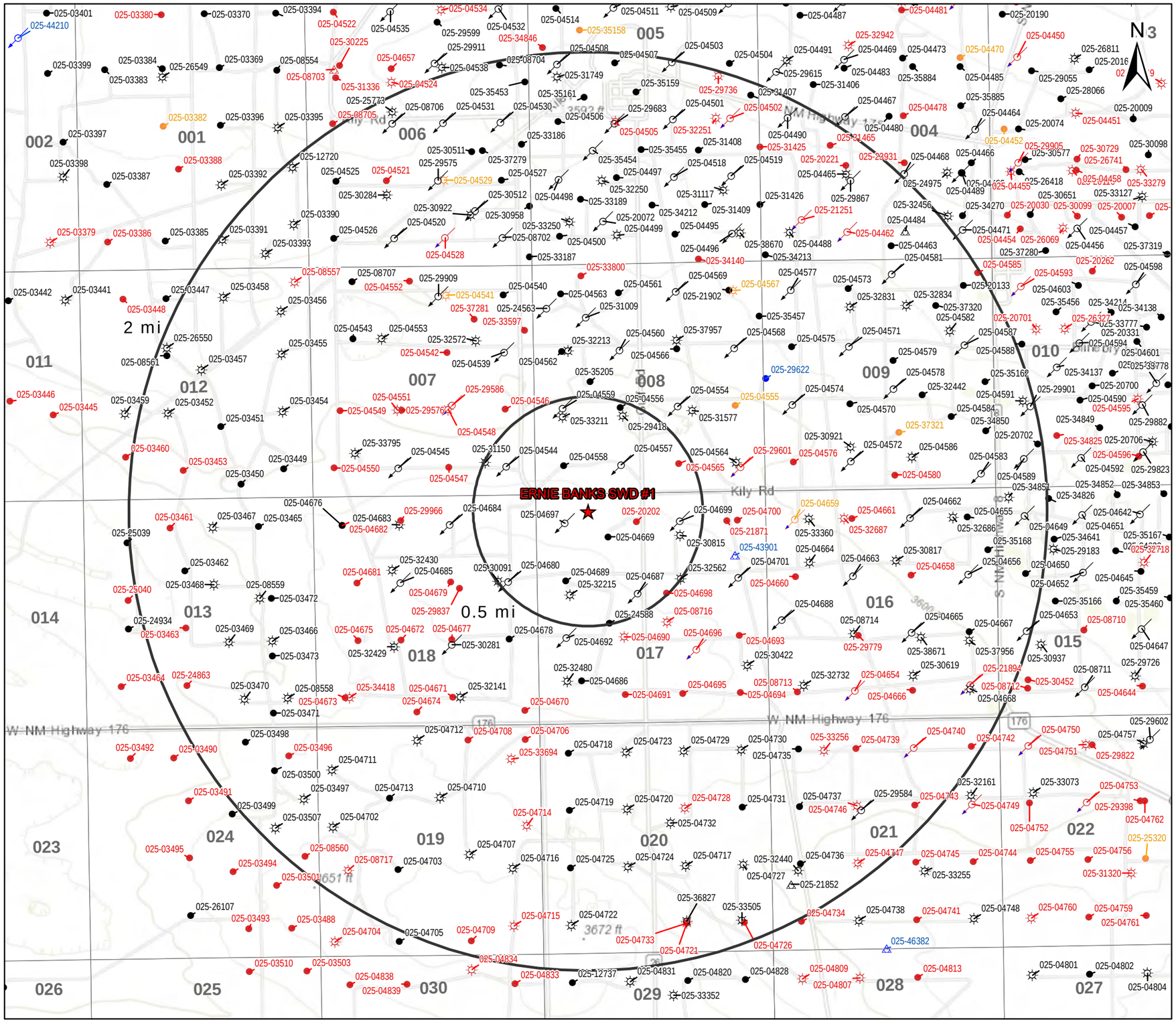


SC-2 Retrievable Packer
Product Family No. H48807

Attachment 2

Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Legend

- Proposed SWD
- Gas, Active (114)
- Gas, Plugged (41)
- Gas, Temporarily Abandoned (3)
- Injection, Active (86)
- Injection, New (1)
- Injection, Plugged (17)
- Injection, Temporarily Abandoned (1)
- Oil, Active (155)
- Oil, New (1)
- Oil, Plugged (119)
- Oil, Temporarily Abandoned (7)
- Salt Water Injection, Active (2)
- Salt Water Injection, New (2)
- Salt Water Injection, Plugged (1)

Source Info: NMOCD O&G Wells updated 9/30/2020 (http://www.emnrd.state.nm.us/OCD/ocdgis.html)

O&G Wells Area of Review

ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 19, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

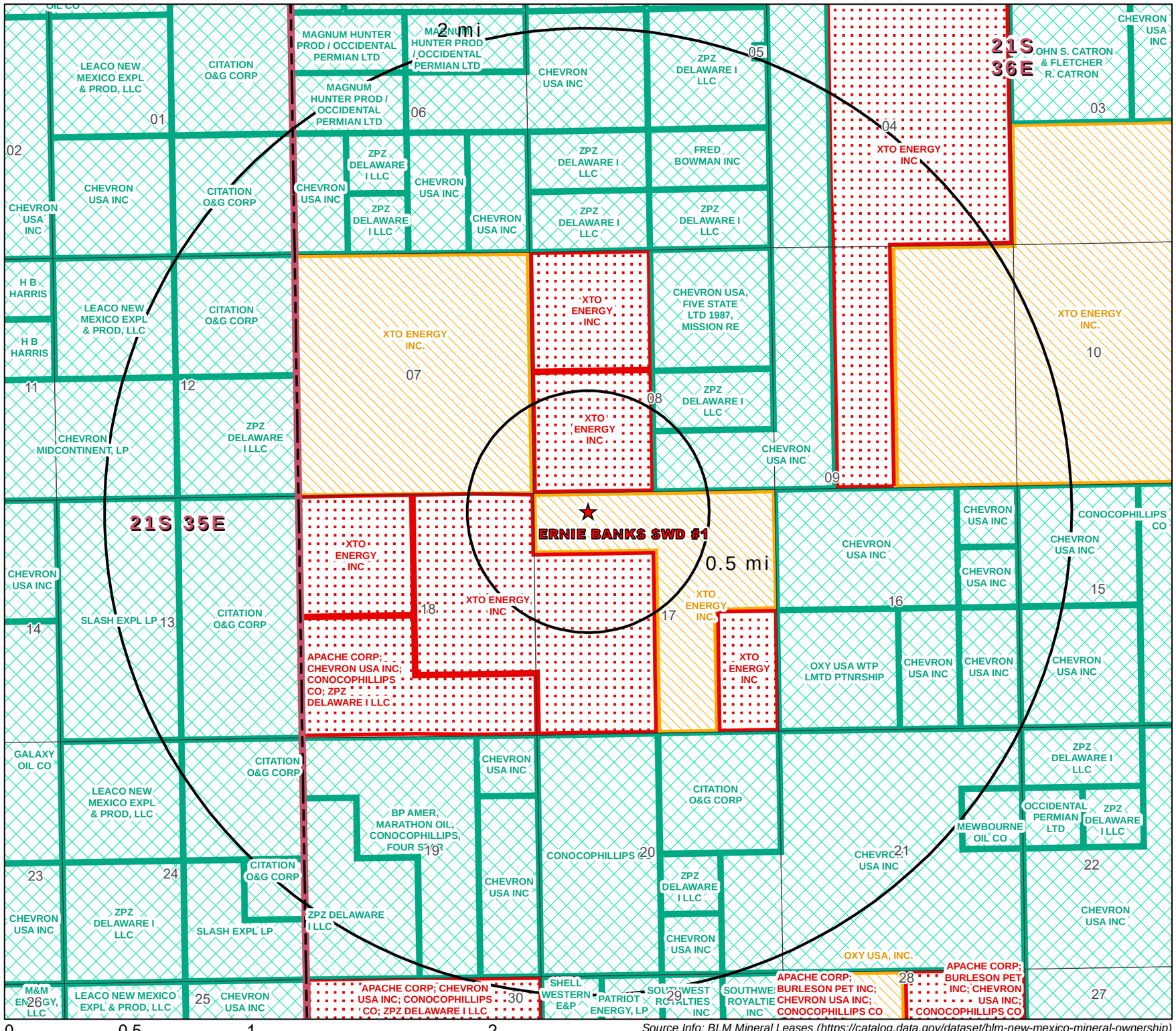
Prepared by: ALL CONSULTING

AOR Tabulation for Ernie Banks SWD #1 (Top of Injection Interval: 4,312')

Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
COLEMAN #001	30-025-04669	Oil	APACHE CORPORATION	12/4/1930	C-17-21S-36E	4,015	No
EUNICE MONUMENT SOUTH UNIT #379	30-025-04698	Plugged	CHEVRON U S A INC	6/7/1930	G-17-21S-36E	Plugged (4,147)	No
CAMPBELL HOUSTON GAS COM #005	30-025-31150	Gas	PENROC OIL CORP	3/5/1991	P-07-21S-36E	3,750	No
MEYER A 1 #018	30-025-29418	Gas	PENROC OIL CORP	9/10/1986	K-08-21S-36E	3,850	No
MEYER A 1 #019	30-025-30091	Gas	PENROC OIL CORP	11/30/1987	H-18-21S-36E	3,835	No
MEYER A 1 #020	30-025-32215	Gas	PENROC OIL CORP	10/13/1993	E-17-21S-36E	3,800	No
MEYER A 1 #022	30-025-33211	Gas	PENROC OIL CORP	1/21/1996	L-08-21S-36E	3,750	No
O L COLEMAN #006	30-025-30815	Gas	PENROC OIL CORP	5/5/1990	B-17-21S-36E	3,750	No
O L COLEMAN #007	30-025-32562	Gas	PENROC OIL CORP	9/29/1994	G-17-21S-36E	3,875	No
EUNICE MONUMENT SOUTH UNIT #325	30-025-04556	Oil	XTO ENERGY, INC	5/11/1934	K-08-21S-36E	3,875	No
EUNICE MONUMENT SOUTH UNIT #326	30-025-04559	Injection	XTO ENERGY, INC	9/10/1935	L-08-21S-36E	4,034	No
EUNICE MONUMENT SOUTH UNIT #334	30-025-04544	Injection	XTO ENERGY, INC	1/10/1935	P-07-21S-36E	4,047	No
EUNICE MONUMENT SOUTH UNIT #335	30-025-04558	Oil	XTO ENERGY, INC	10/1/1987	M-08-21S-36E	4,037	No
EUNICE MONUMENT SOUTH UNIT #336	30-025-04557	Injection	XTO ENERGY, INC	Unknown *	N-08-21S-36E	3,991	No
EUNICE MONUMENT SOUTH UNIT #337	30-025-04565	Plugged	XTO ENERGY, INC	5/11/1934	O-08-21S-36E	Plugged (3,925)	No
EUNICE MONUMENT SOUTH UNIT #366	30-025-04699	Injection	XTO ENERGY, INC	4/16/1934	B-17-21S-36E	4,053	No
EUNICE MONUMENT SOUTH UNIT #367	30-025-20202	Plugged	XTO ENERGY, INC	8/17/1963	C-17-21S-36E	Plugged (4,003)	No
EUNICE MONUMENT SOUTH UNIT #368	30-025-04697	Injection	XTO ENERGY, INC	9/24/1934	D-17-21S-36E	4,065	No
EUNICE MONUMENT SOUTH UNIT #376	30-025-04680	Injection	XTO ENERGY, INC	9/30/1987	H-18-21S-36E	4,136	No
EUNICE MONUMENT SOUTH UNIT #377	30-025-04689	Oil	XTO ENERGY, INC	9/14/1981	E-17-21S-36E	3,970	No
EUNICE MONUMENT SOUTH UNIT #378	30-025-04687	Injection	XTO ENERGY, INC	2/11/1931	F-17-21S-36E	4,048	No
EUNICE MONUMENT SOUTH UNIT #407	30-025-24588	Oil	XTO ENERGY, INC	12/3/1973	K-17-21S-36E	4,150	No

Notes:

- No wells within a 1/2-mile AOR penetrated the injection interval.
- Unknown* - Indicates that there was no spud date available from the NM OCD Imaging - Well File Search.
- A Review of the documents available from NM OCD imaging in association with the Eunice Momument South Unit #336 well, show that the well was drilled prior to 1955.



Legend

- Proposed SWD
- NMSLO Mineral Leases
- BLM Mineral Leases
- Private Mineral Leases
- Unleased Minerals - Private Owned

N

Source Info: BLM Mineral Leases (https://catalog.data.gov/dataset/blm-new-mexico-mineral-ownership) & NMSLO O&G Leases (http://www.nmstatelands.org/maps-gis/gis-data-download/)

Mineral Lease Area of Review

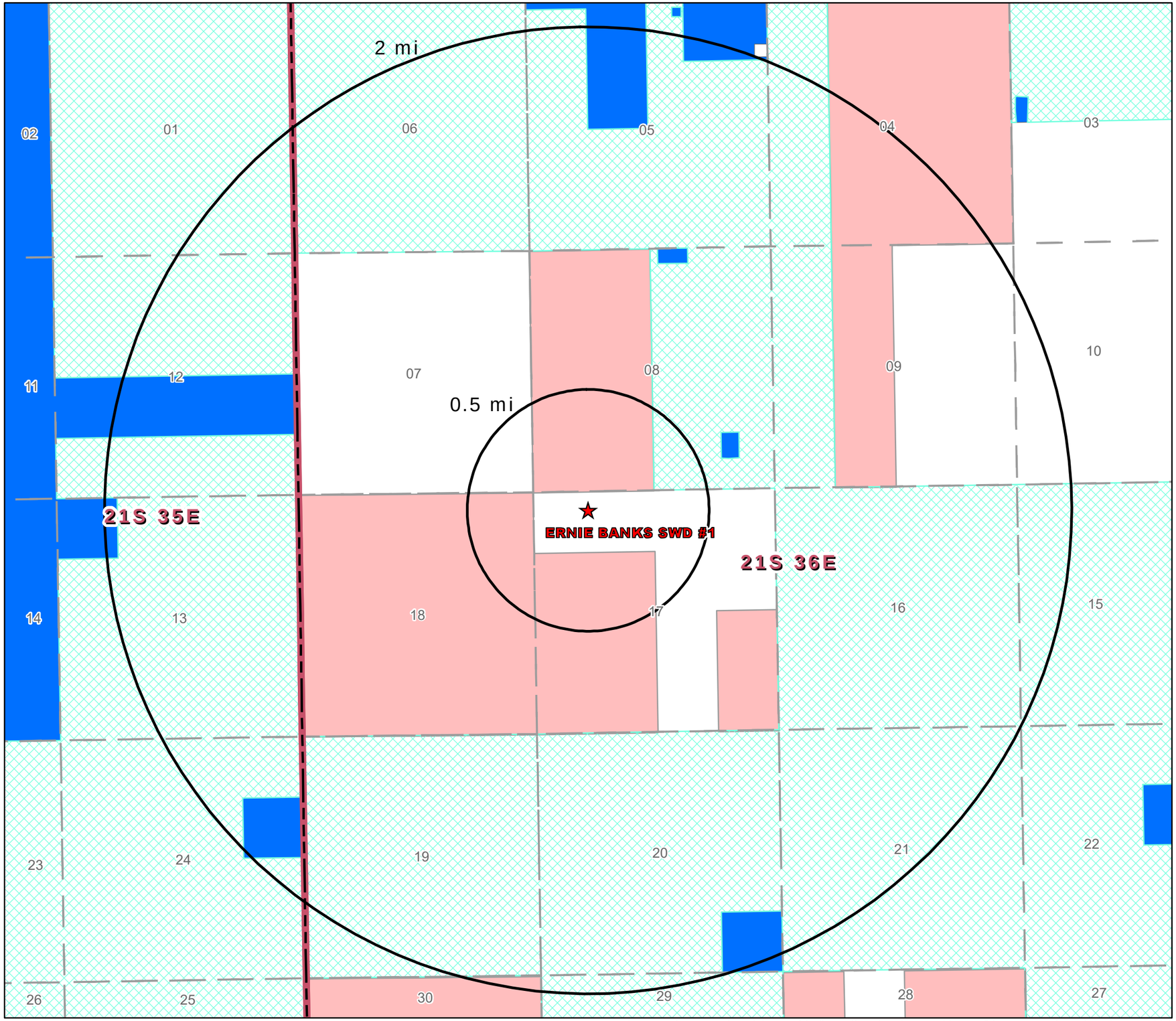
ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 20, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING



N

Legend

- Proposed SWD
- Private minerals
- Subsurface minerals (NMSLO)
- Surface and Subsurface minerals (NMSLO)

Mineral Ownership

- All minerals are owned by U.S. (BLM)

Source Info: BLM Mineral Ownership (https://catalog.data.gov/dataset/blm-new-mexico-mineral-ownership) & NMSLO Ownership (http://www.nmstatelands.org/maps-gis/gis-data-download/)

Mineral Ownership
Area of Review

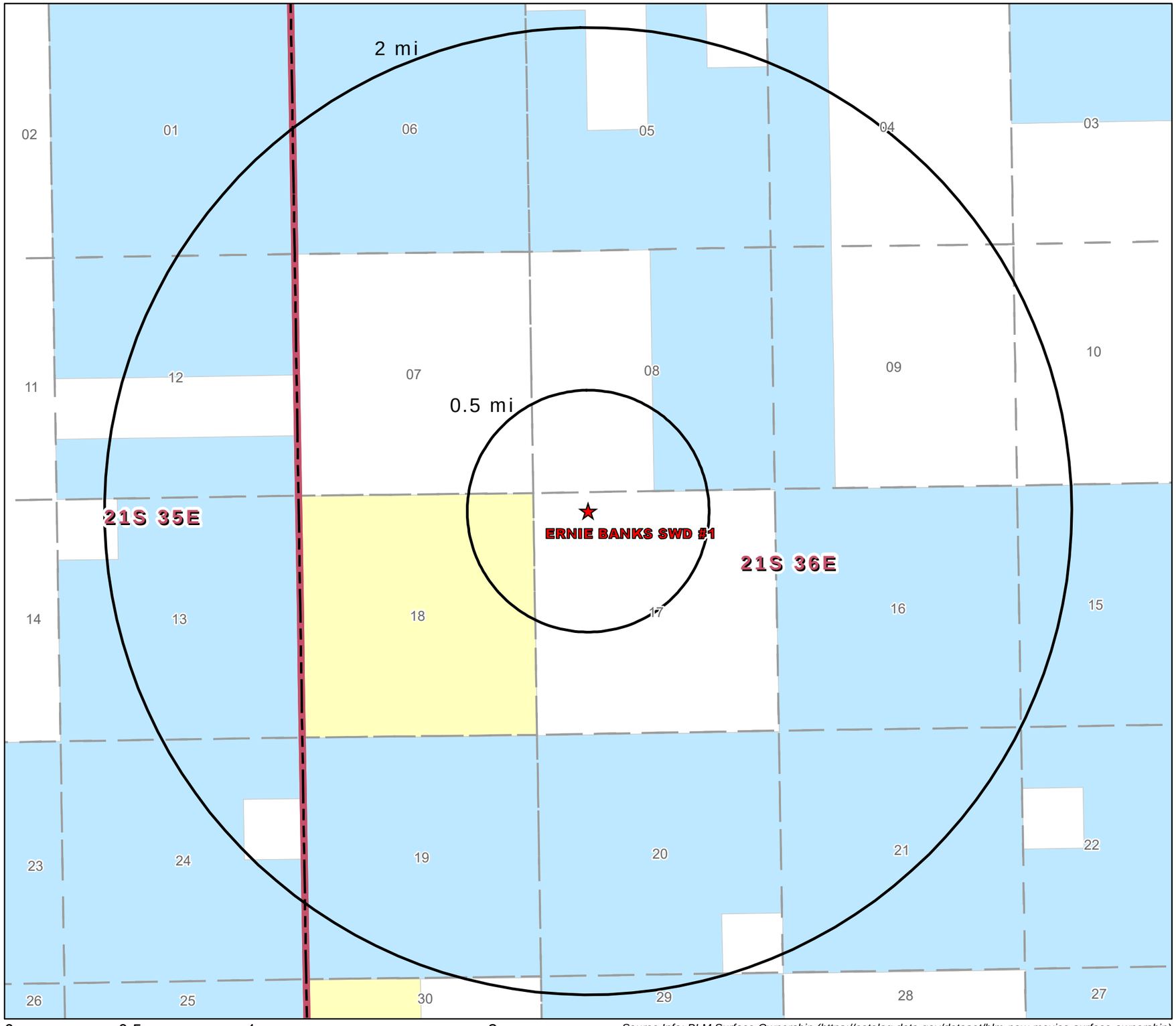
ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 21, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING



N

Legend

Proposed SWD

Surface Ownership

BLM

Private

State

Source Info: BLM Surface Ownership (https://catalog.data.gov/dataset/blm-new-mexico-surface-ownership)

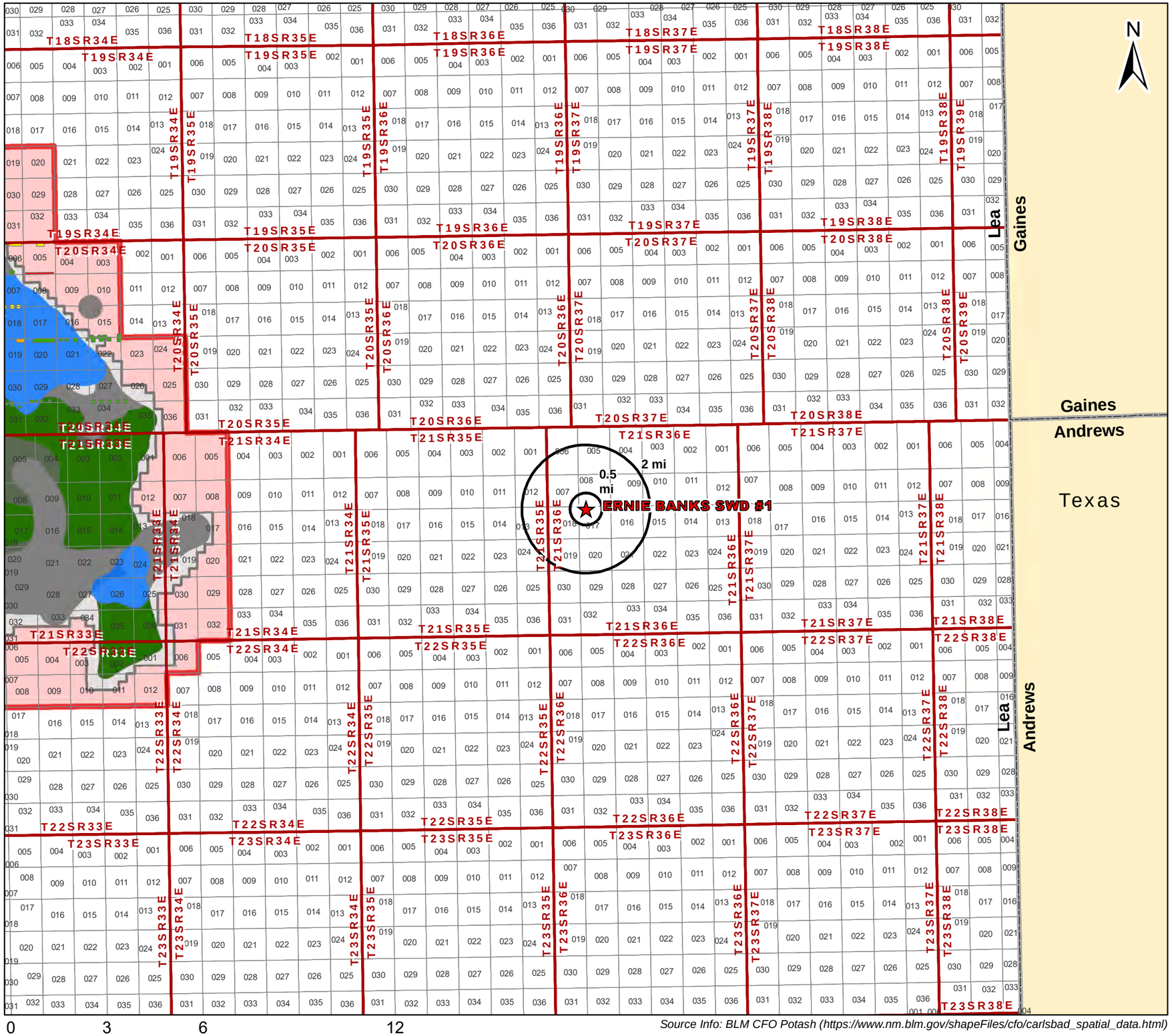
Surface Ownership
Area of Review

ERNIE BANKS SWD #1
Lea County, New Mexico

Proj Mgr: Dan Arthur	October 19, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING



Legend

- Proposed SWD
- 1/2 mi buffer
- Ore Type - Measured
- Ore Type - Indicated
- Ore Type - Inferred
- KPLA
- SOPA

Drill Islands

Status

- Approved
- Denied
- Nominated
- Withdrawn

Source Info: BLM CFO Potash (https://www.nm.blm.gov/shapeFiles/cfo/carlsbad_spatial_data.html)

Potash Leases
Area of Review

ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 19, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING

Attachment 3

Source Water Analyses

Source Water Formation Analysis

Goodnight Midstream Permian, LLC - Bone Spring, Wolfcamp & Delaware Formations

Wellname	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Field	Formation	Tds (mg/L)	Chloride (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)
LEA 403 STATE #001	3002503126	32.7386093	-103.4518051	22	18S	35E	D	660N	660W	LEA	NM	VACUUM SOUTH	BONE SPRING	255451	156699	327	779
HAMON STATE #001	3002503140	32.7175827	-103.4464035	27	18S	35E	K	2310S	2310W	LEA	NM	VACUUM SOUTH	BONE SPRING	154510	96360	430	1210
SHOOTING STAR STATE SWD #001	3002529805	32.7594261	-103.4270935	11	18S	35E	J	1650S	2310E	LEA	NM	SWD	BONE SPRING		148248	244	650
STATE NPA #001	3002503156	32.6879654	-103.5031815	6	19S	35E	L	1980S	660W	LEA	NM	SCHARB	BONE SPRING	195200	118000	220	1030
APPLESEED FEDERAL COM #001	3002520377	32.5750008	-103.4730377	17	20S	35E	H	1980N	660E	LEA	NM	LYNCH	BONE SPRING	173141	93660	5174	7916
ALPHABET AQR STATE #001	3002521342	32.4806519	-103.4940796	17	21S	34E	F	1980N	1980W	LEA	NM		BONE SPRING		95978	391	400
HUNT APO STATE #001	3002527135	32.5070038	-103.4812317	4	21S	34E	T	2310S	660W	LEA	NM	GRAMA RIDGE NORTH	BONE SPRING		154965	146	350
BERRY APN STATE #001	3002527250	32.5060349	-103.4983444	5	21S	34E	L	1980S	660W	LEA	NM	BERRY NORTH	BONE SPRING	128117	82351.1	567	1722.6
INDIAN FLATS BASS FEDERAL #002	3001521715	32.438549	-104.0594788	35	21S	28E	F	1980N	1980W	EDDY	NM	INDIAN FLATS	DELAWARE	149252	99299	267.18	2081.59
INDIAN FLATS BASS FEDERAL #003	3001521853	32.4340134	-104.0648575	35	21S	28E	L	1650S	330W	EDDY	NM	INDIAN FLATS	DELAWARE	146197	96176.8	400.404	1763.53
INDIAN FLATS BASS FEDERAL #004	3001522229	32.435833	-104.0605698	35	21S	28E	K	2310S	1650W	EDDY	NM	INDIAN FLATS	DELAWARE	148805	99247.4	335.195	1728.73
INDIAN FLATS BASS FEDERAL #005	3001522671	32.4303894	-104.0584564	35	21S	28E	N	330S	2310W	EDDY	NM	INDIAN FLATS	DELAWARE	144959	95967.9	200.202	1882.77
INDIAN FLATS BASS FEDERAL #006	3001522673	32.4303932	-104.0561905	35	21S	28E	O	330S	2310E	EDDY	NM	INDIAN FLATS	DELAWARE	163756	110195	134.566	1662.22
BIG EDDY FEDERAL #098	3001524707	32.4960899	-104.1280518	7	21S	28E	F	2180N	1980W	EDDY	NM	FENTON NORTHWEST	DELAWARE	153408	103522	718.9	247.744
INDIAN FLATS BASS FEDERAL #001	3001524968	32.438549	-104.0637589	35	21S	28E	E	1980N	660W	EDDY	NM	INDIAN FLATS	DELAWARE	136419	89021	397.842	1681.59
BIG EDDY UT #016	3001510867	32.4776154	-104.021843	18	21S	29E	J	1980S	1980E	EDDY	NM		DELAWARE	40942	23800	329	1500
GOLDEN D FEDERAL #002	3001527060	32.488533	-104.004631	8	21S	29E	O	660S	1980E	EDDY	NM	GOLDEN LANE SOUTH	DELAWARE	242051	173806	281.82	781.935
GOLDEN B FEDERAL #001	3001527061	32.4948692	-104.0100784	8	21S	29E	F	2310N	1650W	EDDY	NM	GOLDEN LANE SOUTH	DELAWARE	180633	125909	548.024	965.78
GOLDEN D FEDERAL #003	3001527683	32.4912529	-104.0056992	8	21S	29E	J	1650S	2310E	EDDY	NM	GOLDEN LANE SOUTH	DELAWARE	220337	153865	277.428	1042.63
LUCY ALC STATE #002	3001531792	32.4323502	-103.7582169	34	21S	31E	I	1650S	330E	EDDY	NM	LOST TANK	DELAWARE		159964	73	195
LUCY ALC STATE #003	3001531793	32.432518	-103.7635651	34	21S	31E	J	1710S	1980E	EDDY	NM	LOST TANK	DELAWARE		144967	73	145
H L VINSON #001	3002503587	33.5251312	-103.237999	22	09S	36E	A	660N	660E	Lea	NM		WOLFCAMP		66400	187	690
PHILLIPS STATE #001	3002503659	33.3458824	-103.2939529	22	11S	36E	N	660S	1980W	LEA	NM	CINDY	WOLFCAMP	78885	47400	354	875
STATE CA #001	3002503743	32.902153	-103.3229828	23	16S	36E	O	660S	1980E	LEA	NM	LOVINGTON	WOLFCAMP	167968	102800	61	623
SINCLAIR STATE #002	3002503123	32.7386246	-103.4561005	21	18S	35E	A	660N	660E	LEA	NM	VACUUM SOUTH	WOLFCAMP	60950	33568	1087	3049

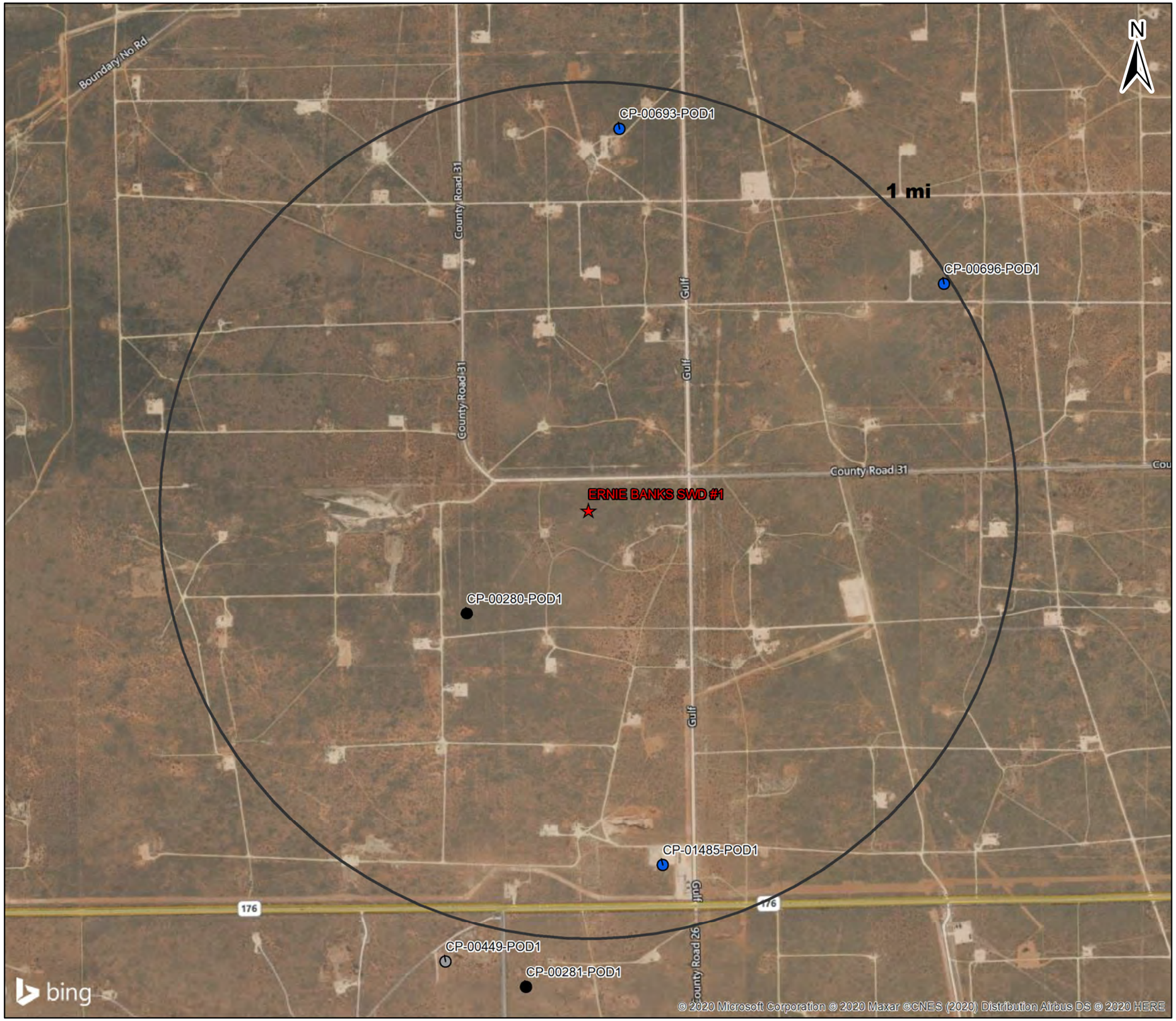
Attachment 4

Injection Formation Water Analyses

Goodnight Midstream Permian, LLC - San Andres Formation																	
Wellname	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Field	Formation	Tds (mg/L)	Chloride (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)
EUNICE MONUMENT SOUTH UNIT #294	3002504562	32.49519	-103.2938995	8	21S	36E	E	1980N	660W	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	16408.0	8357.3	846.9	1410.1
EUNICE MONUMENT SOUTH UNIT #282	3002521902	32.498848	-103.2813873	8	21S	36E	A	660N	760E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	17899.1	9016.5	1378.0	1192.5
EUNICE MONUMENT SOUTH UNIT #282	3002521902	32.498848	-103.2813873	8	21S	36E	A	660N	760E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	13209.4	6315.7	1172.8	1069.6
EUNICE MONUMENT SOUTH UNIT #284	3002504561	32.498829	-103.2896271	8	21S	36E	C	660N	1980W	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	149764.0	94400.0	427.0	734.0
C P FALBY B FEDERAL #004	3002510106	32.40453	-103.1914597	8	22S	37E	L	1980S	660W	LEA	NM	CARY	SAN ANDRES	80540.0	43500.0	755.0	5950.0
C P FALBY A FEDERAL #003	3002510118	32.408142	-103.1871872	8	22S	37E	F	1980N	1980W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	59766.0			
C P FALBY A FEDERAL #004	3002510120	32.408134	-103.1914673	8	22S	37E	E	1980N	660W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	10925.0	5312.0	1620.0	201.0
PENROSE #002	3002510146	32.407871	-103.1739807	9	22S	37E	E	2086N	776W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	64895.0	38010.0	488.0	2100.0
EUNICE MONUMENT SOUTH UNIT #404	3002504688	32.477978	-103.2778244	16	21S	36E	L	2310S	330W	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	20286.0	10900.0	1818.0	231.0
EUNICE MONUMENT SOUTH UNIT #409	3002504678	32.47707	-103.2981644	18	21S	36E	I	1980S	660E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	9161.2	4248.7	1360.8	416.3
EUNICE MONUMENT SOUTH UNIT #416	3002504670	32.47253	-103.2970886	18	21S	36E	P	330S	330E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	9303.0	5218.0	264.0	382.0
EUNICE MONUMENT SOUTH UNIT #370	3002504684	32.484352	-103.3024521	18	21S	36E	B	660N	1980E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	11598.0	6380.0	1380.0	18.0
EUNICE MONUMENT SOUTH UNIT #409	3002504678	32.47707	-103.2981644	18	21S	36E	I	1980S	660E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	10943.9	4990.0	1585.6	553.6
EUNICE MONUMENT SOUTH UNIT #409	3002504678	32.47707	-103.2981644	18	21S	36E	I	1980S	660E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	14155.7	6186.4	1721.4	982.5
STATE AV #001	3002504706	32.470715	-103.297081	19	21S	36E	A	330N	330E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	6334.0	2553.0	1732.0	2.0
STATE AV #001	3002504706	32.470715	-103.297081	19	21S	36E	A	330N	330E	LEA	NM	EUNICE MONUMENT	GRAYBURG/SAN ANDRES	8560.0	3600.0	671.0	1330.0

Attachment 5

Water Well Map and Well Data



Legend

- ★ Proposed SWD

NMOSE Points of Diversion

- Active (3)
- Pending (0)
- Change Location of Well (0)
- Capped (0)
- Plugged (0)
- Incomplete (1)
- Unknown (2)

SourceInfo: ttps://gis.ose.state.nm.us/arcgis/rest/services/WatersPod/OSE_PODs/MapServer/0

Water Wells Area of Review

ERNIE BANKS SWD #1

Lea County, New Mexico

Proj Mgr: Dan Arthur	October 19, 2020	Mapped by: Ben Bockelmann

Prepared for: GOODNIGHT MIDSTREAM

Prepared by: ALL CONSULTING

Water Well Sampling Rationale

Goodnight Midstream Permian, LLC - Ernie Banks SWD #1

Water Wells	Owner	Available Contact Information	Use	Sampling Required	Notes
CP 00280 POD1	CONTINENTAL OIL COMPANY	P.O Box 460 Hobbs, NM 88241	Industrial	No	Temporarily abandoned, may re-enter in the future for industrail use.
CP 00693 POD1	CHEVRON USA INC	6301 Deauville Blvd. Midland, TX 79706	Secondary Recovery of Oil	No	Not a freshwater well.
CP 00696 POD1	CHEVRON USA INC	6301 Deauville Blvd. Midland, TX 79706	Secondary Recovery of Oil	No	Not a freshwater well.
CP 01485 POD1	DASCO CATTLE CO LLC	Dasco Cattle Co., LLC Atlee Snyder Contact: 575-631-9438 & 575-391-0309	Commercial	Yes	Sample collected on 01/28/2019. Analysis included in ***Attachment 5.***

Note:

Phillips Freshwater Analysis– Attachment XI-2

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For: CP-01485 Pod 1

Etech Environmental & Safety Solutions P.O. Box 301 Lovington NM, 88260	Project: GOODNIGHT MIDSTREAM Project Number: NONE GIVEN Project Manager: LANCE CRENSHAW Fax To: (575) 396-1429	Reported: 05-Feb-19 17:18

PHILLIPS WELL & STOCK TANK

H900304-04 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Alkalinity, Bicarbonate	**224**		5.00	mg/L	1	9012407	AC	30-Jan-19	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	9012407	AC	30-Jan-19	310.1	
Chloride*	**176**		4.00	mg/L	1	9012811	AC	31-Jan-19	4500-Cl-B	
Conductivity*	**1200**		1.00	uS/cm	1	9013002	AC	30-Jan-19	120.1	
pH*	**8.87**		0.100	pH Units	1	9013002	AC	30-Jan-19	150.1	
Resistivity	**8.35**			Ohms/m	1	9013002	AC	30-Jan-19	120.1	
Specific Gravity @ 60° F	**1.002**		0.000	[blank]	1	9013007	AC	30-Jan-19	SM 2710F	
Sulfate*	**242**		50.0	mg/L	5	9013006	AC	30-Jan-19	375.4	
TDS*	**644**		5.00	mg/L	1	9012801	AC	31-Jan-19	160.1	
Alkalinity, Total*	**184**		4.00	mg/L	1	9012407	AC	30-Jan-19	310.1	
Green Analytical Laboratories										
Total Recoverable Metals by ICP (E200.7)										
Barium*	<0.050		0.050	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Calcium*	**69.8**		0.100	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Iron*	**0.097**		0.050	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Magnesium*	**36.1**		0.100	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Potassium*	**6.36**		1.00	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	
Sodium*	**119**		1.00	mg/L	1	B901226	AES	04-Feb-19	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Attachment 6

Public Notice Affidavit and Notice of Application Confirmations

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Goodnight Midstream Permian, LLC, 5910 N Central Expressway, Suite 850, Dallas, TX 75206, is requesting that the New Mexico Oil Conservation Division administratively approve the APPLICATION FOR AUTHORIZATION TO INJECT as follows:

PURPOSE: The intended purpose of the injection well is to dispose of salt water produced from permitted oil and gas wells.

WELL NAME AND LOCATION: Ernie Banks SWD #1
Located approximately 8.42 miles northwest of Eunice, NM
NW ¼ NW ¼, Section 17, Township 21S, Range 36E
395' FNL & 1,203' FWL
Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE: San Andres (4,312' – 5,615')
EXPECTED MAXIMUM INJECTION RATE: 25,000 Bbls/day
EXPECTED MAXIMUM INJECTION PRESSURE: 862 (surface)

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.

Additional information may be obtained by contacting Nate Alleman at 918-382-7581.

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
November 11, 2020
and ending with the issue dated
November 11, 2020.

Publisher

Sworn and subscribed to before me this
11th day of November 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

LEGAL NOTICE
November 11, 2020

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Goodnight Midstream Permian, LLC, 5910 N Central Expressway, Suite 850, Dallas, TX 75206, is requesting that the New Mexico Oil Conservation Division administratively approve the APPLICATION FOR AUTHORIZATION TO INJECT as follows:

PURPOSE: The intended purpose of the injection well is to dispose of salt water produced from permitted oil and gas wells.

WELL NAME AND LOCATION: Ernie Banks SWD #1
Located approximately 8.42 miles northwest of Eunice, NM
NW ¼ NW ¼, Section 17, Township 21S, Range 36E
395' FNL & 1,203' FWL
Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE: San Andres (4,312' – 5,615')
EXPECTED MAXIMUM INJECTION RATE: 25,000 Bbls/day
EXPECTED MAXIMUM INJECTION PRESSURE: 862 (surface)

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.

Additional information may be obtained by contacting Nate Alleman at 918-382-7581.
#35981

67115320 00248390

DANIEL ARTHUR
ALL CONSULTING
1718 S. CHEYENNE AVE.
TULSA, OK 74119

Ernie Banks SWD #1 - Notice of Application Recipients				
Entity	**Address**	**City**	**State**	**Zip Code**
Land & Mineral Owner				
Monte Guy Morton	P.O. Box 917	Denton	TX	76702
OCD District				
NMOCD District 1	1625 N. French Drive	Hobbs	NM	88240
Leasehold Operators				
Apache Corporation (APACHE CORPORATION)	303 Vet Airpark Lane, Suite 3000	Midland	TX	79705
Chevron USA, Inc. (CHEVRON USA INC, CHEVRON U S A INC)	6301 Deauville Blvd	Midland	TX	79706
Commision of Public Lands - State Lands Office	310 Old Santa Fe Trail	Santa Fe	NM	87501
Penroc Oil Corporation (PENROC OIL CORP)	P.O. Box 2769	Hobbs	NM	88241
XTO Energy, Inc. (XTO ENERGY INC, XTO ENERGY INC., XTO ENERGY, INC)	500 W. Illinois, Suite 100	Midland	TX	79701
ZPZ Delaware I, LLC (ZPZ DELAWARE I LLC)	2000 Post Oak Blvd., Suite 100	Houston	TX	77056

Notes: The table above shows the Entities who were identified as parties of interest requiring notification on either the 1-mile well detail list (Attachment 2) or on the 2-mile Mineral Lease Map (Attachment 2). The names listed above in parenthesis, are the abbreviated entity names used on either the 1-mile well detail list (Attachment 2) or on the 2-

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Monte Guy Morton
PO Box 917
Denton TX 76202-0917

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STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF GOODNIGHT MIDSTREAM PERMIAN, LLC FOR APPROVAL OF A SALT WATER DISPOSAL WELL, LEA COUNTY NEW MEXICO.

CASE NOS. 21570

AFFIDAVIT OF NATHAN ALLEMAN

Nathan Alleman, of lawful age and being first duly sworn, declares as follows:

1. My name is Nathan Alleman. I work for ALL Consulting as a regulatory specialist and project manager. I have been retained by Goodnight Midstream Permian, LLC ("Goodnight Midstream") (OGRID No. 372311).

2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in regulatory matters and permitting salt water disposal wells. My credentials as an expert in regulatory matters and permitting salt water disposal wells have been accepted by the Division and made a matter of record.

3. I am familiar with the application filed by Goodnight Midstream in this case, and I am familiar with the status of the lands in the subject area.

4. This application was originally filed for administrative approval but was protested during the administrative review period by the New Mexico State Land Office. As a result of the State Land Office's protest, Goodnight Midstream requested that the application be set for hearing before a Division Examiner. The State Land Office is the only entity that objected to this application. The State Land Office has stated that it does not oppose presentation of this case by affidavit. Therefore, I do not expect any opposition at hearing.

5. **Exhibit A**, attached hereto and as *Exhibit A* to the Application, is a full and complete copy of the Form C-108 application filed by Goodnight Midstream with the Division on November 17, 2020.

6. In this application, Goodnight Midstream seeks authority to inject produced salt water for purposes of disposal through its proposed **Ernie Banks SWD No. 1 Well** (API No. pending), which will be located 395 feet from the north line and 1,203 feet from the west line (Unit D), Section 17, Township 21 South, Range 36 East, NMPM, Lea County, New Mexico. Page 11 in **Exhibit A** contains a C-102 depicting the location for the proposed injection well.

7. The proposed injection disposal interval will be within the San Andres formation [SWD; San Andres (Pool Code 96121)] between approximately 4,312 feet and 5,615 feet below the ground through a perforated completion. The maximum surface injection pressure will be 862 pounds per square inch (psi) and the estimated average surface injection pressure is expected to be approximately 431 psi. The maximum injection rate will be 25,000 barrels per day (bpd) and the estimated average injection rate is expected to be approximately 17,500 bpd.

8. The proposed injection is a new project and will be a closed injection system. It will operate as a commercial salt water disposal well.

9. **Exhibit A**, page 26, contains a map depicting the location of the proposed injection well and the relative location of four water wells within a one-mile radius. Water well sampling rationale and sample analyses for the available freshwater wells are included at pages 27-28 in **Exhibit A**.

10. Notice of this application was provided to the surface owner, NMOCD District Office, and Affected Persons within a half-mile area of review that are entitled to receive notice. Parties entitled to notice were identified based on a determination of the title of lands and interests

as recorded in the records of Lea County and from a review of New Mexico Oil Conservation Division and BLM operator records as of the time the application was filed. *See* **Exhibit A**, pages 16, 32-35. **Exhibit A,** pages 17-19, are maps that depict all lease tracts within the half-mile area of review. A complete list of the parties entitled to notice is included in **Exhibit A** at pages 32-35.

11. **Exhibit A**, page 30, is a copy of a sample notice letter sent to all parties entitled to notice of the C-108 administrative application within the half-mile area of review. **Exhibit A**, pages 31-35, is proof that notice of the application was sent by certified mail, return receipt requested, as required by Division rule. Constructive notice was also provided by publication in a newspaper of general circulation in Lea County, New Mexico, where the proposed injection well will be located. A copy of the affidavit of publication is included in **Exhibit A** at page 31.

12. It is my opinion that Goodnight Midstream undertook a good faith effort to locate and identify the correct parties and valid addresses required for notice within the half-mile area of review. To the best of my knowledge the addresses used for notice purposes are valid and correct. There were no unlocatable parties for whom we were unable to locate a valid address.

13. Both the minerals and the surface at the location of the proposed injection well are privately owned. Page 17 in **Exhibit A** is a map depicting all oil and gas leases within a one-mile radius of the proposed injection well. Page 16 of that same exhibit contains a table identifying each of the lessees of record and the operators for those leases.

14. **Exhibit B** is a copy of an attorney affidavit prepared by Holland & Hart LLP reflecting that notice of this hearing was sent to the State Land Office, as the sole protestant.

FURTHER AFFIANT SAYETH NOT.

Nathan Alleman

STATE OF OKLAHOMA)
)
COUNTY OF Washington)

SUBSCRIBED and SWORN to before me this 13 day of January 2021 by Nathan Alleman.

Terah Henderson
NOTARY PUBLIC

My Commission Expires:
8/8/22

TERAH HENDERSON
NOTARY PUBLIC
No. 18007837
EXP 8/08/2022
IN AND FOR
STATE OF OKLAHOMA

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF GOODNIGHT MIDSTREAM PERMIAN, LLC FOR APPROVAL OF A SALT WATER DISPOSAL WELL, LEA COUNTY NEW MEXICO.

CASE NO. 21570

AFFIDAVIT OF STEVE ALLEN DRAKE

Steve Allen Drake, of lawful age and being first duly sworn, declares as follows:

1. My name is Steve Allen Drake. I work for Goodnight Midstream Permian, LLC ("Goodnight Midstream") as Vice President of Geology and Reservoir Engineering.

2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology. My credentials as an expert in petroleum geology have been accepted by the Division and made a matter of record.

3. I am familiar with the application filed by Goodnight Midstream in this case, and I am familiar with the status of the lands and geology in the subject area.

4. The proposed injection disposal interval will be within the San Andres formation [SWD; San Andres (Pool Code 96121)] between approximately 4,312 feet and 5,615 feet below the ground through a perforated completion.

5. **Exhibit A**, pages 7-8, contains an overview of the geology, including details on the lithology, thickness, and depths of all formations within the area of the proposed well. The geologic description also includes a discussion and overview of the San Andres injection interval, which consists of alternating low porosity anhydrites and dolomites located in the top of both the San Andres and Grayburg formations that are not capable of transmitting fluid. The

injection interval has a net thickness of 635 feet out of a gross thickness of approximately 1300 feet.

6. **Exhibit D-1**, page 39, is a log from the Snyder (Ryno) SWD #1 well (API No. 30-025-43901), located in the area, that depict the stratigraphic intervals above and below the proposed injection interval. The top 90 feet of the San Andres is predominantly tight dolomite and anhydrite which serves as a stratigraphic seal to contain the injection fluid from upward migration. The San Andres has two main porosity intervals that are 270 feet and 330 feet thick, respectively. Both intervals are dolomites with porosities ranging from 7% to 19%. The permeabilities of these intervals are very high. They are also pressure depleted from previously existing water extraction wells. These water supply wells were used by Chevron USA to provide water for the EMSU Grayburg water flood. The lower San Andres lithologic unit consists of two non-porous layers. A tight dolomite and anhydrite combined with a non-porous limestone to form a 260 foot barrier at the base of the San Andres. This interval has porosity values of 0%-3%, which presents an effective basal seal and barrier between the San Andres and Glorieta reservoirs against downward fluid migration. The Glorieta has a significant interval of porosity that has been approved for saltwater disposal in section 28, one and ½ miles to the south. Below the Glorieta dolomitic siltstone reservoir is the interval know in name as the Paddock, however since the porosity is absent at most locations off structure, the Paddock serves as a barrier in this geologic setting rather than a reservoir. Below the Paddock barrier is the Blinebry interval which consists of approximately 160 feet of porous dolomite. The Blinebry contain salt water at this location and is not proximal to any Blinebry production. Below the Blinebry saline aquifer is 550 feet of Tubb which functions as an excellent and exceptionally thick barrier to downward migration. Based on my examination and study of the geology in the area, it is my opinion that these geologic seals will effectively contain the injected fluids within the target injection zone.

7. **Exhibit D-2**, is a statement I prepared confirming that I have reviewed the available geologic and engineering data and have found no evidence of a hydrological connection between the proposed injection interval and any underground sources of drinking water.

8. Injection will not impair correlative rights and will not adversely affect the production of hydrocarbons because the proposed injection will remain within the target injection zone. The proposed injection interval is not prospective for hydrocarbons within the area of the proposed injection well. There are no wells penetrating the injection interval within a 1/2 mile area of review. The geologic seals identified above and below the injection interval will serve to isolate the disposal fluids from offsetting zones capable of producing hydrocarbons.

9. Freshwater water in this area is found to a depth of about 1400 feet or less below the surface. No underground sources of drinking water exist below the injection interval in this area. The Ogallala aquifer is approximately 3.8 miles north of the proposed injection well and will not be impacted by this injection.

10. Based on this review and analysis of freshwater, the geologic seals above and below the injection interval, and the significant vertical offset between the injection zone and shallow zones containing freshwater, it is my opinion that the proposed injection will not threaten any drinking water sources or zones of freshwater.

11. The proposed injection fluids will be from production in various formations, including the Yates, Seven Rivers, Queen, Grayburg, San Andres, Delaware, Blinebry, Drinkard, Tubb, Bone Spring, Wolfcamp, Strawn, Pennsylvanian, and Morrow formations. Water chemistry analyses of representative samples of produced water that are expected to be injected are located at pages 21-22 in **Exhibit A**. In addition, water samples from the injection formation are located at pages 23-24 in **Exhibit A**. Based on this water chemistry analysis and prior

experience, I do not expect there will be a compatibility issue between the injection fluids and the fluids within the injection interval.

12. In my opinion, granting this application will help conserve resources, avoid waste, and protect correlative rights.

FURTHER AFFIANT SAYETH NOT.

Steve Drake

Steve Allen Drake

STATE OF TEXAS)
)
COUNTY OF Dallas)

SUBSCRIBED and SWORN to before me this 12 day of January 2021 by Steve Allen Drake.

Leigh Ann Feagan

NOTARY PUBLIC

Leigh Ann Feagan

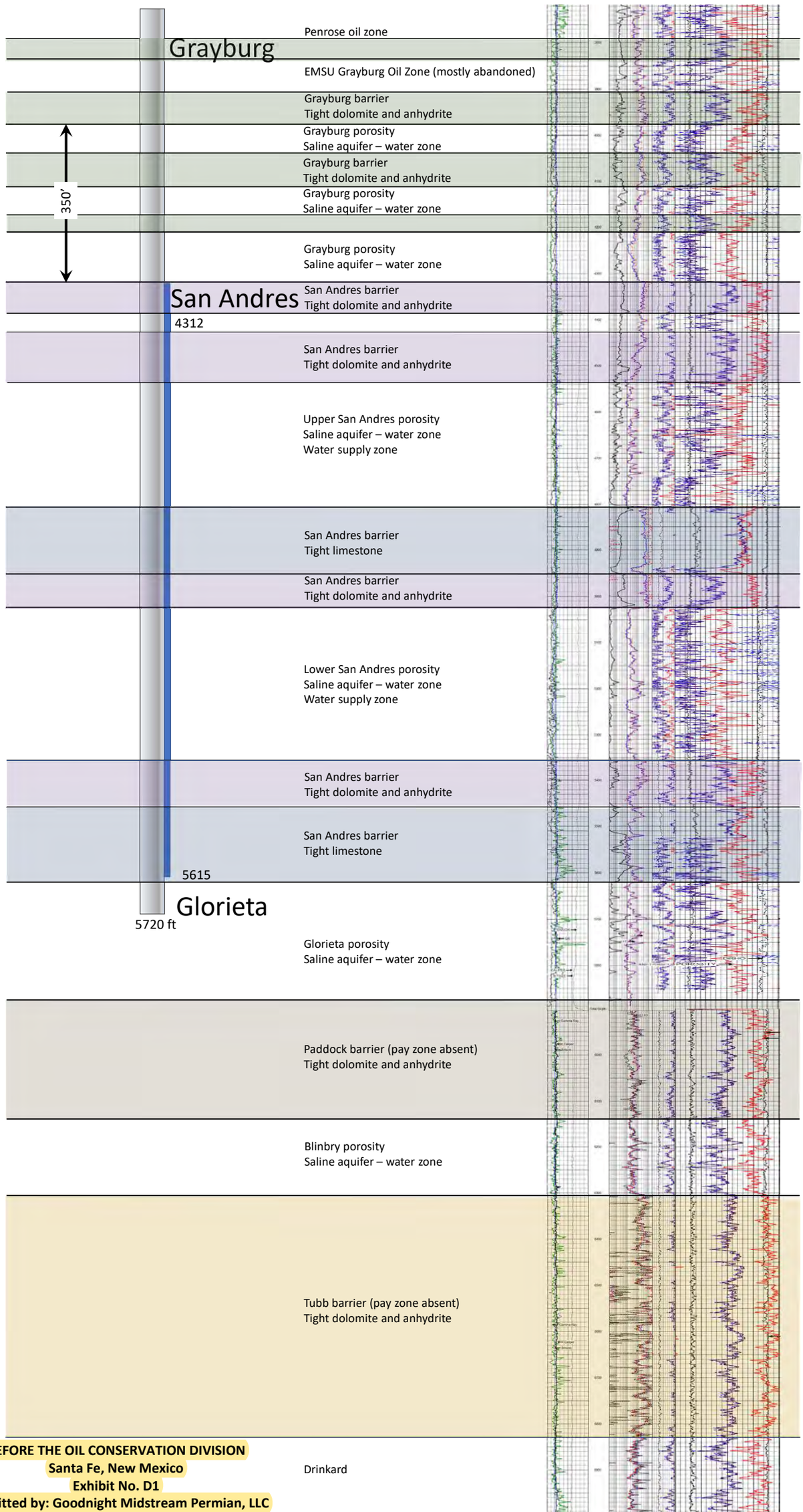
My Commission Expires:

04/15/2022

LEIGH ANN FEAGAN
Notary Public, State of Texas
Comm. Expires 04-15-2022
Notary ID 129785776

Goodnight Ernie Banks SWD#1
D-17-21S-36E 30-025-00000
TD: 5,400 KB: 0000 00-00-2021

Goodnight Snyder (Ryno) SWD#1
H-17-21S-36E 30-025-43901
TD: 10,535 KB: 3632 07-09-2018



BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. D1
Submitted by: Goodnight Midstream Permian, LLC
Hearing Date: January 21, 2021
Case No. 21570

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. D2
Submitted by: Goodnight Midstream Permian, LLC
Hearing Date: January 21, 2021
Case No. 21570

GOODNIGHT
MIDSTREAM

Steve Drake
V.P. Geology and Reservoir Engineering
Goodnight Midstream, LLC
5910 North Central Expressway, Suite 850
Dallas, Texas 75206

RE: Goodnight Midstream, LLC Ernie Banks SWD well permit

Lot D, Section 17, Township 21S Range 36E
Lea County, New Mexico

Goodnight Midstream conducted a hydrogeologic investigation related to the proposed injection well. The scope of the investigation was to determine if there is any hydrologic connection between the proposed injection interval and any sources of underground drinking water.

Goodnight geologist performed an analysis of subsurface well log data. It is our conclusion that there is no evidence of faulting in the data we evaluated at the depths that are being considered. There are small scale flexures which may or may not be associated with small scale faults. None of these flexures extend above the Wolfcamp unconformity and are not seen in the Leonard intervals.

Goodnight acquired and evaluated 3D seismic covering the lands that this salt water disposal well is located upon. This data shows the geologic setting in the area. No faults are seen in the Artesia Group, San Andres, Glorieta, or Leonard series. The San Andres contains small scale flexures and changes in seismic velocity that may indicate karsting. These flexures and velocity anomalies are being used to target disposal reservoir opportunities. The Grayburg thickens over the San Andres sag. There is also a thickening of the Yates relative to the low in the San Andres. These stratigraphic changes do not indicate the presence of faulting and there is no communication between these intervals.

Water has been disposed into the San Andres in this area since 1966. There is a good record of pressure separation. Production from the Artesia group has proceeded without interruption or encroachment from San Andres disposal for more than 50 years. Containment and isolation from the hydrocarbon intervals would then also be isolated from any sources of fresh water above.

We see no evidence of faulting that would extend to or form a connection between the injection zone and any underground sources of drinking water.

Steve Drake
Steve Drake
V.P. Geology and Reservoir Engineering
Goodnight Midstream, LLC

1/19/2021
Date

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF GOODNIGHT MIDSTREAM PERMIAN, LLC FOR APPROVAL OF A SALTWATER DISPOSAL WELL, LEA COUNTY NEW MEXICO.

CASE NO. 21570

AFFIDAVIT OF THOMAS E. TOMASTIK

Thomas E. Tomastik, of lawful age and being first duly sworn, declares as follows:

1. My name is Thomas E. Tomastik. I work for ALL Consulting as a chief geologist and regulatory specialist. I have been retained by Goodnight Midstream Permian, LLC ("Goodnight Midstream").

2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum engineering and petroleum geology. My credentials as an expert have been accepted by the Division and made a matter of record.

3. I am familiar with the application filed by Goodnight Midstream in this case, and I have conducted an engineering study of the proposed injection and the area of review surrounding the proposed injection well.

4. The proposed well is the **Ernie Banks SWD No. 1 Well** (API No. pending), which will be located 395 feet from the north line and 1,203 feet from the west line (Unit D), Section 17, Township 21 South, Range 36 East, NMPM, Lea County, New Mexico.

5. All the well data and operational information required by the C-108 is included in the application within **Exhibit A**. The proposed well design is contained in the Injection Well

Data Sheet at pages 12-13, following the C-108 in **Exhibit A**. A description of the proposed well design may be found at page 12 of the C-108 in **Exhibit A**.

6. The disposal interval will be a perforated completion from approximately 4,312 feet and 5,615 feet in the San Andres formation [SWD; San Andres (Pool Code 96121)].

7. The well's cement job on the seven-inch production casing will be confirmed with a cement bond log or an equivalent cement integrity log, to establish the top of the cement and the quality of the bonding to the casing.

8. The well's annular space will be filed with an inert packer fluid to protect both the production casing and the injection tubing and both the injection and annulus pressures will be monitored at the wellhead to confirm the mechanical integrity of the well during injection.

9. The well design and cement plan will be protective of freshwater and underground sources of drinking water in the area and protective of correlative rights.

10. The estimated average surface injection pressure is expected to be approximately 431 psi. The maximum surface injection pressure will be 862 psi, based on the Division's guideline limiting surface injection pressures to 0.2 psi per foot of depth to the top-most injection interval. The proposed injection volumes can be achieved without exceeding the maximum surface injection pressure. Injection pressures and volumes will be continuously monitored through an electronic SCADA system.

11. An acid job will be performed to clean up the perforations prior to commencement of injection operations.

12. Page 15 of the C-108 in **Exhibit A** depicts a map of oil and gas wells with a two-mile radius around the proposed well, as well as all wells within the half-mile area of review.

13. Twenty-one wells are located within the half-mile area of review. Twelve of those wells are active producers, three have been plugged and abandoned, and seven are injection wells. Information on each of the wells within the half-mile area of review is tabulated at page 16 of **Exhibit A**. None of these wells penetrate the intended injection interval.

14. None of the wells within a half-mile area of review require corrective action to contain injection fluids within the injection interval. Additionally, none of the existing wells within the half-mile area of review create a potential conduit for the migration of injection fluids out of the injection zone.

15. In my opinion, granting this application will help conserve resources, avoid waste, and protect correlative rights.

FURTHER AFFIANT SAYETH NOT.

Thomas E. Tomastik

STATE OF OHIO)
)
COUNTY OF DELAWARE)

SUBSCRIBED and SWORN to before me this 12 day of January 2021 by Thomas E. Tomastik.

NOTARY PUBLIC

My Commission Expires:

12-18-2022

AARON HECK
Notary Public, State of Ohio
My Comm. Expires 12/18/2022

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF GOODNIGHT MIDSTREAM PERMIAN, LLC FOR APPROVAL OF A SALT WATER DISPOSAL WELL, LEA COUNTY NEW MEXICO.

CASE NO. 21570

AFFIDAVIT

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

Kaitlyn A. Luck, attorney in fact and authorized representative of Goodnight Midstream Permian, LLC, the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Application has been provided under the notice letters and proof of receipts attached hereto.

Kaitlyn A. Luck

SUBSCRIBED AND SWORN to before me this 28th day of December, 2020 by Kaitlyn A. Luck.

Notary Public

My Commission Expires:

Nov. 12, 2023

OFFICIAL SEAL
Carla Garcia
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires: Nov. 12, 2023

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. F
Submitted by: Goodnight Midstream Permian, LLC
Hearing Date: January 21, 2021
Case No. 21570

Adam G. Rankin
Phone (505) 988-4421
Fax (505) 983-6043
agrankin@hollandhart.com

December 18, 2020

VIA CERTIFIED MAIL
CERTIFIED RECEIPT REQUESTED
New Mexico State Land Office
P.O. Box 1148
Santa Fe, NM 87504-1148

Re: Application of Goodnight Midstream Permian, LLC for Approval of a Salt Water Disposal Well, Lea County, New Mexico.
Ernie Banks SWD No. 1 Well

Ladies & Gentlemen:

This letter is to advise you that Goodnight Midstream Permian, LLC has filed the enclosed application with the New Mexico Oil Conservation Division.

During the COVID-19 Pubic Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on January 7, 2021, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: http://www.emnrd.state.nm.us/OCD/announcements.html.

You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date. Parties appearing in cases are required by Division Rule 19.15.4.13.B to file a Pre-hearing Statement four business days in advance of a scheduled hearing. This statement must be filed at the Division's Santa Fe office at the above specified address and should include: the names of the parties and their attorneys; a concise statement of the case; the names of all witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that are to be resolved prior to the hearing.

If you have any questions about this matter please contact ALL Consulting, LLC, at (918) 382-7581 or nalleman@all-llc.com.

Sincerely,

ATTORNEY FOR GOODNIGHT MIDSTREAM PERMIAN, LLC

Goodnight Midstream - Ernie Banks
Case No. 21570 Postal Delivery Report

TrackingNo	ToName	DeliveryAddress	City	State	Zip	USPS_Status
9414811898765895870961	New Mexico State Land Office	PO Box 1148	Santa Fe	NM	87504-1148	Your item was picked up at a postal facility at 7:36 am on December 28, 2020 in SANTA FE, NM 87501.