

AE Order Number Banner

Application Number: pMSG2314753442

SWD-2536

GOODNIGHT MIDSTREAM PERMIAN, LLC [372311]



May 12, 2023

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

Subject: Goodnight Midstream Permian, LLC – Hodges 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 Hodges 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

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
 REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: _____ **OGRID Number:** _____
Well Name: _____ **API:** _____
Pool: _____ **Pool Code:** _____

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

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

- A. ☐ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,
 H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application
 Content
 Complete

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

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

Print or Type Name

Date

Phone Number

e-mail Address

Nathan Allen

Signature

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: Sr. Regulatory Specialist
SIGNATURE:  DATE: 5/12/2023
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: Hodge 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: Hodge SWD #1
Location Footage Calls: 2,833 FNL & 1,620 FWL
Legal Location: Unit Letter 11, S4 T21S R36E
Ground Elevation: 3,558'
Proposed Injection Interval: 4,100' – 5,200'
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	1,250'	1,180	Surface	Circulation
Production	12-1/4"	9-5/8"	40.0 lb./ft	5,200'	1,400	Surface	Circulation
Tubing	N/A	5-1/2"	17.0 lb./ft	4,050'	N/A	N/A	N/A

(3) Tubing Information:

5-1/2" (composite weight string) of fiberglass-coated tubing with setting depth of 4,050'

(4) Packer Information: Baker Hornet or equivalent packer set at 4,050'

B.

(1) Injection Formation Name: San Andres

Pool Name: SWD; SAN ANDRES

Pool Code: 96121

(2) Injection Interval: Perforated injection between 4,100' – 5,200'

(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 (3,610')

Underlying Oil and Gas Zones: Below is the approximate formation tops for known oil and gas producing zones in the area.

- Glorieta (5,233')
- Tubb (6,810')

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 with Penetrating Well Casing and Plugging Information.
- Plugged penetrating wellbore diagrams.
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map

VI – AOR Well List

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

There are eleven wells that penetrate the injection zone, three of which has been properly plugged and abandoned, while the other eight wells have been properly cased and cemented to isolate the San Andres. A wellbore diagram and casing information for each of the plugged wells is included in **Attachment 2**.

VII – Proposed Operation

- (1) **Proposed Maximum Injection Rate:** 42,000 bpd
Proposed Average Injection Rate: 27,500 bpd
- (2) A closed system will be used.
- (3) **Proposed Maximum Injection Pressure:** 820 psi (surface)
Proposed Average Injection Pressure: approximately 500 psi (surface)
- (4) **Source Water Analysis:** It is expected that the injectate will consist of produced water from production wells completed in the Delaware Mountain Group (DMG), 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 DMG, Wolfcamp and Bone Springs formations. Water analyses from the San Andres formation in the area are included in **Attachment 4**.

VIII – Geologic Description

The proposed injection interval includes the San Andres formation from 4,100 – 5,200 feet. The Permian San Andres formation consists of interbedded carbonates rock including dolomites, siltstones and sands. Several thick intervals of porous and permeable carbonate rock capable of taking water are present within the subject formation in the area.

The deepest underground source of groundwater (USDW) is the Rustler formation at a depth of approximately 1,225 feet. Water well depths in the area range from approximately 9 - 181 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. Three of the water wells have been determined to not be fresh water wells, and the owner of water well CP-01889-POD 1 has confirmed that this is not an active water well. Therefore, no water well samples were taken in association with this application.

A water well map and details of water wells within 1-mile 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.

A signed no hydrological connection statement is included as **Attachment 7**.

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: Well Details:

- C-102
- Wellbore Diagram

Attachment 2: Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List With Penetrating Well Casing and Plugging Information
- Wellbore Diagrams - Plugged Penetrating Wells
- 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 7: No Hydrological Connection Statement

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 Road, 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, NM 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 30-025-	Pool Code 96121	Pool Name SWD; SAN ANDRES
Property Code	Property Name HODGES SWD	Well Number 1
OGRID No. 372311	Operator Name GOODNIGHT MIDSTREAM PERMIAN, LLC	Elevation 3558'

Surface Location

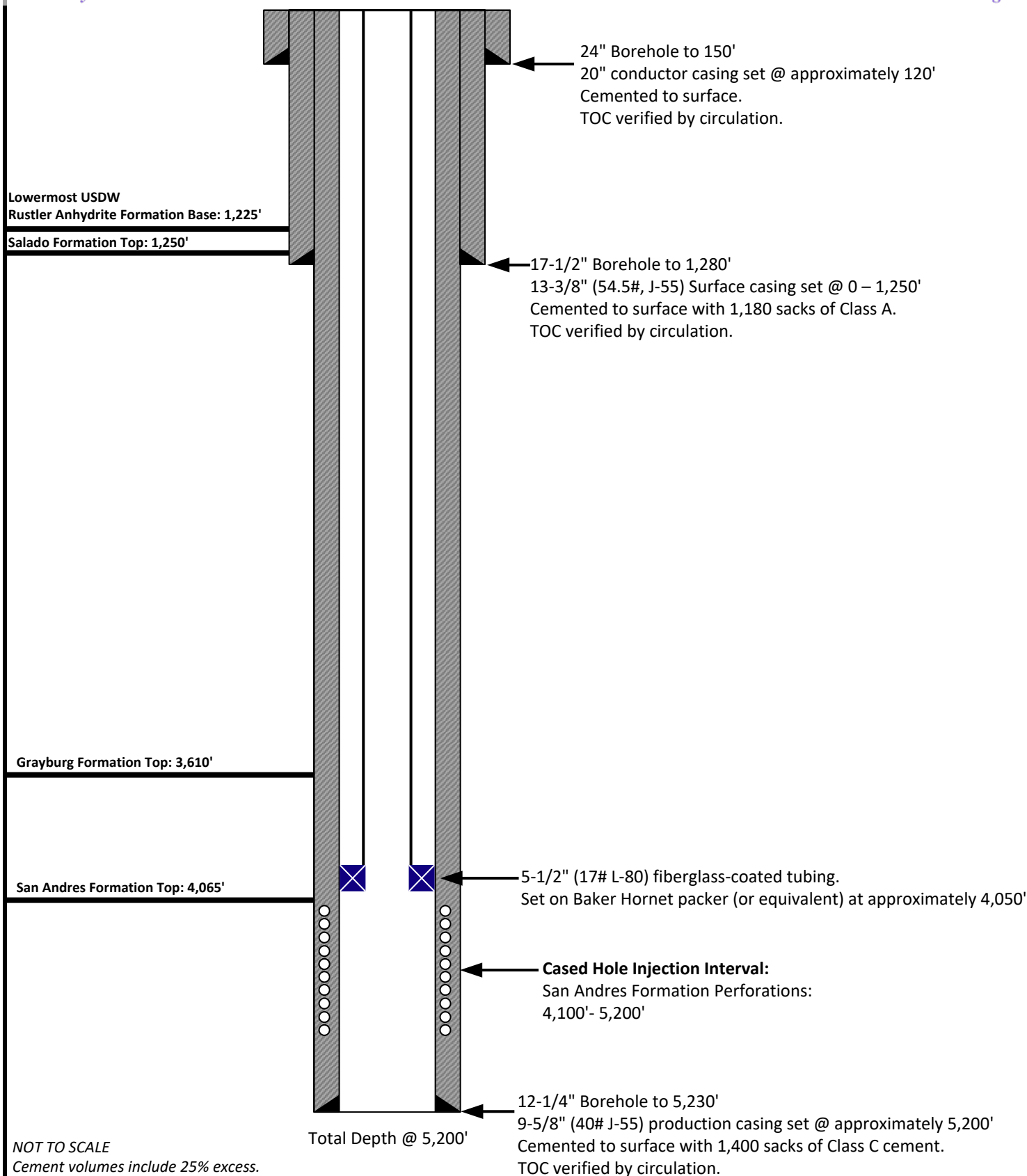
UL or lot no. 11	Section 04	Township 21 S	Range 36 E	Lot Idn	Feet from the 2833'	North/South line NORTH	Feet from the 1620'	East/West line WEST	County LEA
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Bottom Hole Location If Different From Surface

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	Consolidation 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 a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____
SURVEYOR 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. Date of Survey 04/28/2023 Signature and Seal of Professional Surveyor Certificate Number 21209 TIM C. PAPPAS		



Prepared by:
ALLCONSULTING
Prepared for:
GOODNIGHT
MIDSTREAM

Drawn by: Joshua Ticknor, P.E.

Project Manager:
Nathan Alleman

Date: 4/11/2023

Goodnight Midstream Permian, LLC
Hodges SWD #1
2,833' FNL & 1,620 FWL
Section 4, Twp 21 S, Rng 36 E
Lea County, New Mexico

HORNET Packer

Product Family No. H64682

HORNET EL Packer

Product Family No. H64683

The mechanically set HORNET™ packer offers ease of operation with quarter-turn right to set and release. Converting it for wireline-setting applications is simple and inexpensive. The HORNET packer provides for landing in compression, tension, or neutral positions. Every component from the jay track, to the internal bypass, to the packing-element system and the upper slip assembly has been developed to ensure the HORNET's setting and releasing reliability.

The HORNET EL packer is run and set on electric line using an E-4™ (Product Family No. H43702) with a slow-set power charge or a J™ setting tool (Product Family No. H41371) and a special wireline adapter kit. An L-10™ type on/off seal nipple is run on top of the packer to connect the tubing to the packer and to house a blanking plug when the packer is used as a temporary bridge plug.

Features and Benefits

- Upper Slip Assembly:
 - Thoroughly tested across API minimum to maximum casing ID tolerances for each specified casing weight, for setting and releasing reliability
 - Slip-wicker configuration providing bidirectional-load support with solid upper cone to support highest tensile loads
 - Staged-release action eliminates high-overpull requirement
 - Minimal set-down weight required to anchor slips
- Internal Bypass Seal:
 - Durable bypass seal design provides sealing after unloading, under differential pressures
 - No O-ring sealing system
- Packing Element System:
 - Fully tested to combined ratings at the API's maximum ID tolerance
 - Patented enhancements to control overboost
 - High-performance, three-piece element system
- Lower Slip and Jay Assembly:
 - Slips and drag blocks tested to maximum API tolerance ID for positive set and ease of release
 - One-quarter-turn right setting and releasing action
 - Packoff of packing elements with applied tension or compression
 - Spacing in jay ensures opening of internal bypass, before slip releasing action begins—important to both ease of release and safety
 - Automatically returns to running position



HORNET Packer
Product Family
No. H64682



HORNET EL Packer
Product Family
No. H64683

Attachment 2

Area of Review Information:

- 2-mile Oil & Gas Well Map
- 1/2-mile Well Detail List With Penetrating Well Casing and Plugging Information
- Wellbore Diagrams - Plugged Penetrating Wells
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map



Service Layer Credits: Topographic: Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA

- ★ Proposed SWD
- ☀ Gas, Active (90)
- ☀ Gas, Plugged (50)
- ☀ Gas, Temporarily Abandoned (2)
- 🔍 Injection, Active (100)
- 🔍 Injection, Plugged (22)
- 🔍 Injection, Temporarily Abandoned (1)
- Oil, Active (148)
- Oil, New (1)
- Oil, Plugged (102)
- Oil, Temporarily Abandoned (10)
- △ Salt Water Injection, Active (2)
- △ Salt Water Injection, New (1)
- △ Salt Water Injection, Plugged (1)

Source Info: NMOCD O&G Wells updated 1/17/2023
(<https://www.emnrd.nm.gov/ocd/ocd-data/ftp-server/l>)

HODGES SWD #1
LEA COUNTY, NEW MEXICO

Proj Mgr:
Nate Alleman

May 03, 2023

Mapped by:
Ben Bockelmann

Prepared for:

GOODNIGHT
MIDSTREAM

Prepared by:

ALLCONSULTING

AOR Tabulation for Hodges SWD #1 (Injection Interval: 4,200' - 5,300')

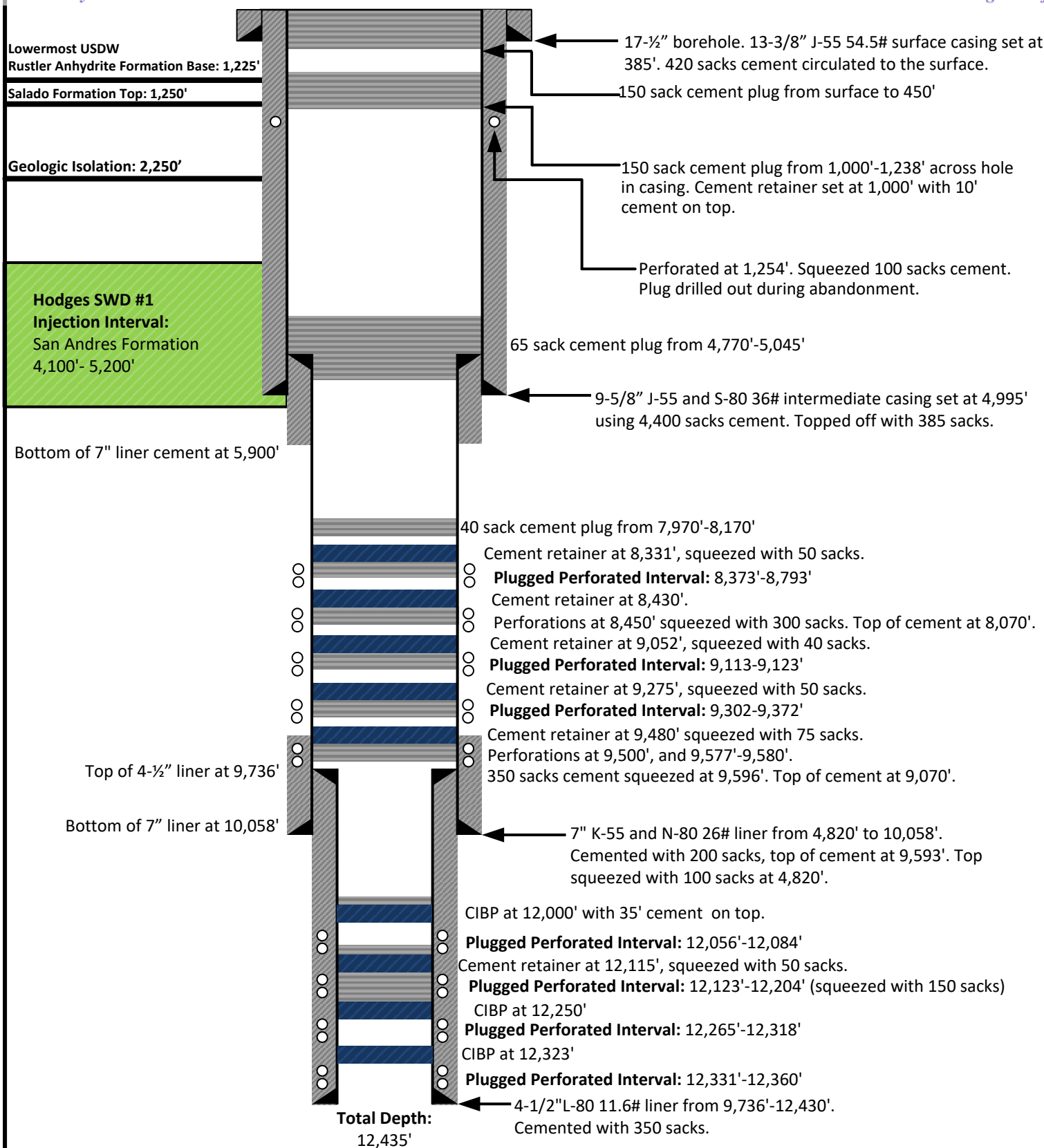
Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth	Penetrate Inj. Zone?
FEDERAL OC COM #001	30-025-30790	Plugged	ARCO PERMIAN	11/11/1990	C-04-21S-36E	(Plugged) 12,435	Yes
BELL RAMSAY NCT A #011	30-025-04494	Plugged	CHEVRON U S A INC	4/4/1962	M-04-21S-36E	(Plugged) 6,055	Yes
H T ORCUTT NCT B COM #014	30-025-34344	Plugged	CHEVRON U S A INC	3/29/1998	E-04-21S-36E	(Plugged) 3,630	No
EUNICE MONUMENT SOUTH UNIT #230	30-025-04478	Plugged	CHEVRON U S A INC	3/8/1936	O-04-21S-36E	(Plugged) 3,852	No
MEYER B 4 #020	30-025-04481	Plugged	CONOCO INC	7/12/1962	G-04-21S-36E	(Plugged) 6,271	Yes
MEYER B 4 #031	30-025-32942	Plugged	CONOCOPHILLIPS COMPANY	6/18/1995	C-04-21S-36E	(Plugged) 3,590	No
MEYER B 4 #014	30-025-04474	Plugged	CONOCOPHILLIPS COMPANY	11/27/1953	B-04-21S-36E	(Plugged) 3,869	No
EUNICE MONUMENT SOUTH UNIT #200H	30-025-04492	Oil	Empire New Mexico LLC	5/3/1936	D-04-21S-36E	3,778	No
EUNICE MONUMENT SOUTH UNIT #183	30-025-04493	Injection	Empire New Mexico LLC	7/19/1936	D-04-21S-36E	3,844	No
EUNICE MONUMENT SOUTH UNIT #609	30-025-31406	Oil	Empire New Mexico LLC	11/26/1991	D-04-21S-36E	3,849	No
EUNICE MONUMENT SOUTH UNIT #201	30-025-04472	Injection	Empire New Mexico LLC	1/1/1900	C-04-21S-36E	3,860	No
EUNICE MONUMENT SOUTH UNIT #229	30-025-04467	Injection	Empire New Mexico LLC	2/23/1936	N-04-21S-36E	3,864	No
EUNICE MONUMENT SOUTH UNIT #210	30-025-04469	Injection	Empire New Mexico LLC	6/1/1936	C-04-21S-36E	3,870	No
EUNICE MONUMENT SOUTH UNIT #209	30-025-04473	Oil	Empire New Mexico LLC	7/19/1936	J-04-21S-36E	3,871	No
EUNICE MONUMENT SOUTH UNIT #212	30-025-04504	Oil	Empire New Mexico LLC	11/19/1935	A-05-21S-36E	3,887	No
EUNICE MONUMENT SOUTH UNIT #610	30-025-31407	Oil	Empire New Mexico LLC	12/5/1991	H-05-21S-36E	3,888	No
BELL RAMSAY NCT A #008	30-025-04491	Gas	Empire New Mexico LLC	4/5/1936	D-04-21S-36E	3,890	No
EUNICE MONUMENT SOUTH UNIT #202	30-025-29866	Oil	Empire New Mexico LLC	12/31/9999	G-04-21S-36E	3,900	No
EUNICE MONUMENT SOUTH UNIT #199	30-025-04510	Injection	Empire New Mexico LLC	3/17/1936	H-05-21S-36E	3,905	No
EUNICE MONUMENT SOUTH UNIT #211	30-025-29615	Injection	Empire New Mexico LLC	12/31/9999	L-04-21S-36E	4,125	No
EUNICE MONUMENT SOUTH UNIT #228	30-025-04490	Injection	Empire New Mexico LLC	12/11/1935	M-04-21S-36E	4,217	Yes
EUNICE MONUMENT SOUTH UNIT #182	30-025-29868	Oil	Empire New Mexico LLC	5/31/1987	C-04-21S-36E	4,300	Yes
EUNICE MONUMENT SOUTH UNIT #458	30-025-29618	Water	Empire New Mexico LLC	12/31/9999	I-04-21S-36E	5,000	Yes
BELL RAMSAY NCT A #012	30-025-04487	Oil	Empire New Mexico LLC	11/20/1962	E-04-21S-36E	6,050	Yes
MEYER B 4 #019	30-025-04480	Oil	PENROC OIL CORP	3/19/1981	O-04-21S-36E	12,010	Yes
MEYER B 4 #015	30-025-04475	Gas	PENROC OIL CORP	1/1/1900	C-04-21S-36E	3,857	No
MEYER B 4 #026	30-025-04486	Oil	PENROC OIL CORP	12/10/1962	C-04-21S-36E	6,040	Yes
MEYER B 4 #022	30-025-04483	Oil	PENROC OIL CORP	10/5/1962	K-04-21S-36E	6,275	Yes
MEYER B 4 #033	30-025-35884	Oil	PENROC OIL CORP	4/17/2002	B-04-21S-36E	8,790	Yes
EUNICE MONUMENT SOUTH UNIT #626	30-025-31465	Plugged	XTO ENERGY, INC	12/31/9999	F-04-21S-36E	(Plugged) 3,870	No

Notes:

Casing Information for Wells Penetrating the Hodges SWD #1 Injection Zone

Well Name	Surface Casing						Intermediate Casing					
	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole size	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size
FEDERAL OC COM #001	385'	13.375"	Surface	Circulation	420	17.5"	4995'	9.625"	Surface	Circulation	4400	12.25"
BELL RAMSAY NCT A #011	1288'	8.625"	Surface	Circulation	605	12.25"	N/A	N/A	N/A	N/A	N/A	N/A
MEYER B 4 #020	1330'	8.625"	Surface	Circulation	450	12.25"	N/A	N/A	N/A	N/A	N/A	N/A
EUNICE MONUMENT SOUTH UNIT #228	366'	15"	Surface	Circulation	300	17.5"	1300'	9.625"	Surface	Circulation	450	12.5"
EUNICE MONUMENT SOUTH UNIT #182	1203'	8.625"	Surface	Circulation	800	12.25"	N/A	N/A	N/A	N/A	N/A	N/A
EUNICE MONUMENT SOUTH UNIT #458	332	16"	Surface	Circulation	600	20"	2546'	11.75"	Surface	Circulation	1050	14.75"
BELL RAMSAY NCT A #012	1255'	8.625"	Surface	Circulation	600	11"	N/A	N/A	N/A	N/A	N/A	N/A
MEYER B 4 #019	342	13.375"	Surface	Circulation	300	17.5"	5144	9.625"	2450'	Temp. Survey	525	12.5"
MEYER B 4 #026	1215	7.625"	Surface	Circulation	500	11"	N/A	N/A	N/A	N/A	N/A	N/A
MEYER B 4 #022	1260'	8.625"	Surface	Circulation	600	12.25"	N/A	N/A	N/A	N/A	N/A	N/A
MEYER B 4 #033	1326'	8.625"	Surface	Circulation	50	12.25"	N/A	N/A	N/A	N/A	N/A	N/A
Well Name	Production Casing , Intermediate II Casing, or Liner						Production Casing II & Liner					
	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size
FEDERAL OC COM #001	4820' - 10058'	7"	N/A	N/A	300	N/A	9736' - 12430'	4.5"	N/A	N/A	350	N/A
BELL RAMSAY NCT A #011	6055'	4.5"	unknown	unknown	710	7.875"	N/A	N/A	N/A	N/A	N/A	N/A
MEYER B 4 #020	6271	5.5"	2400'	Temp. Survey	720	7.875"	N/A	N/A	N/A	N/A	N/A	N/A
EUNICE MONUMENT SOUTH UNIT #228	3741'	7"	Surface	Circulation	500	8.625"	N/A	N/A	N/A	N/A	N/A	N/A
EUNICE MONUMENT SOUTH UNIT #182	3900'	5.5"	Surface	Circulation	450	7.875"	N/A	N/A	N/A	N/A	N/A	N/A
EUNICE MONUMENT SOUTH UNIT #458	5000'	8.625"	Surface	CBL	1215	10.625"	N/A	N/A	N/A	N/A	N/A	N/A
BELL RAMSAY NCT A #012	6040'	4.5"	3190	Temp. Survey	400	7.875"	N/A	N/A	N/A	N/A	N/A	N/A
MEYER B 4 #019	6018'	5.5"	4833'	unknown	325	7.875"	N/A	N/A	N/A	N/A	N/A	N/A
MEYER B 4 #026	6040	4.5"	3800'	Temp. Survey	900	6.75"	N/A	N/A	N/A	N/A	N/A	N/A
MEYER B 4 #022	6350'	5.5"	2400'	unknown	420	7.875"	N/A	N/A	N/A	N/A	N/A	N/A
MEYER B 4 #033	8790'	5.5"	Surface	Circulation	1001 bbls	7.875"	N/A	N/A	N/A	N/A	N/A	N/A

Well Name	Plugging Information
FEDERAL OC COM #001	Plugs set at 7970' - 8170' w/ 40 sacks, 4770' - 5045' w/ 65 sacks, 1000' - 1238' with 150 sacks, and 0-450' with 150 sacks.
BELL RAMSAY NCT A #011	4.5" CIBP set at 5800' and spot 25 sacks cement on top. Plugs set at 3600' - 3900' w/30 sacks, 2600' - 2800' w/25 sacks, 1100' - 1350' w/25 sacks, & 0-300' w/30 sacks.
MEYER B 4 #020	with 35sx cement cap, 'Plugs at 4157' - 5279 w/100 sacks, 2350' - 2600' w/25 sacks, 1161' - 1261' w/30 sacks pumped below retainer, and 10 sacks placed on top, surface - 350'
EUNICE MONUMENT SOUTH UNIT #228	-
EUNICE MONUMENT SOUTH UNIT #182	-
EUNICE MONUMENT SOUTH UNIT #458	-
BELL RAMSAY NCT A #012	-
MEYER B 4 #019	-
MEYER B 4 #026	-
MEYER B 4 #022	-
MEYER B 4 #033	-



Not to Scale

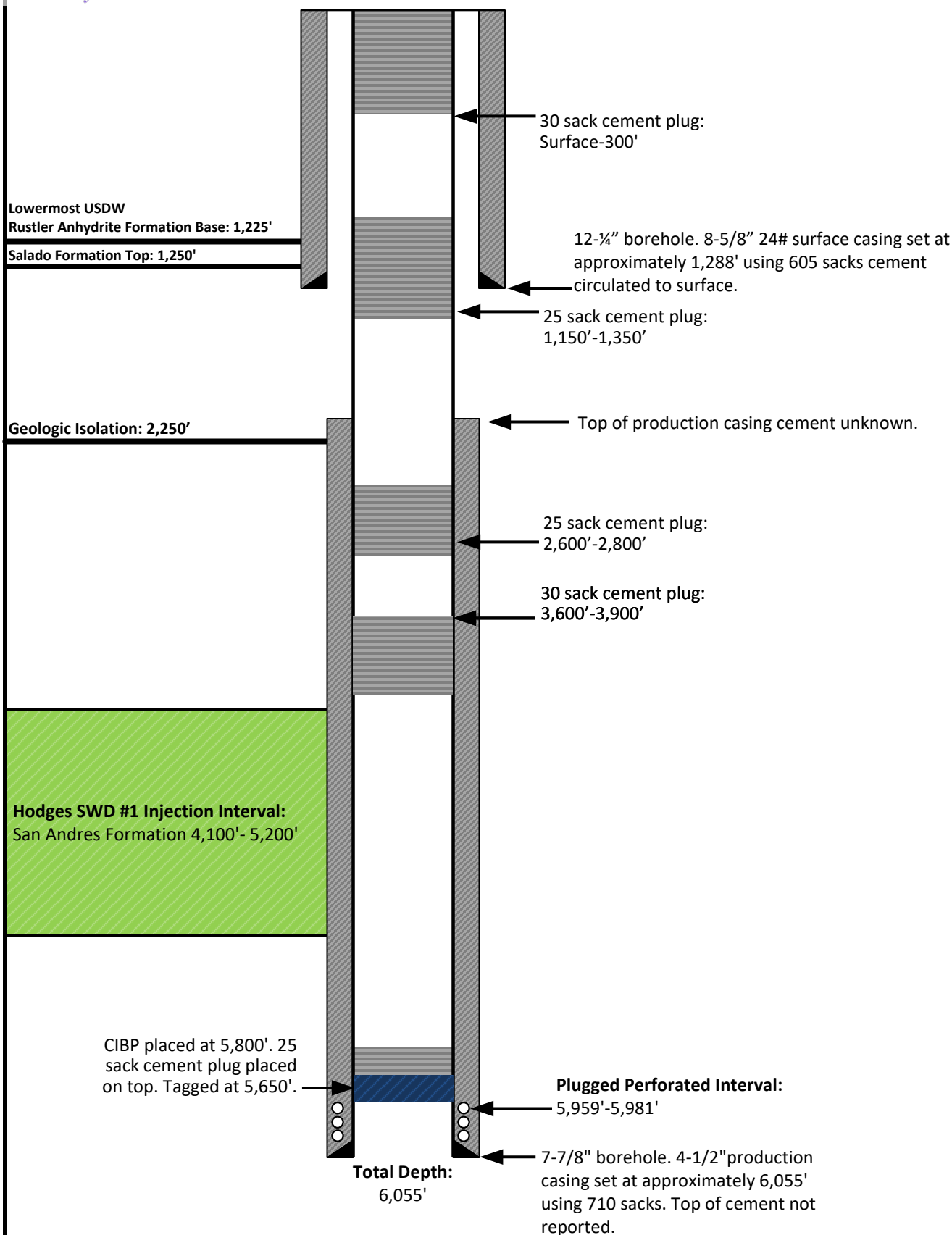
Prepared by:
ALL CONSULTING
Prepared for:
GOODNIGHT
MIDSTREAM

Drawn by: Joshua Ticknor

Project Manager:
Nathan Alleman

Date: 05/05/2023

Federal "OC" Com #1
Wellbore Diagram
API: 30-025-30790
Plugged and Abandoned: 12/10/1992
Operated By: ARCO Oil and Gas Company



Not to Scale

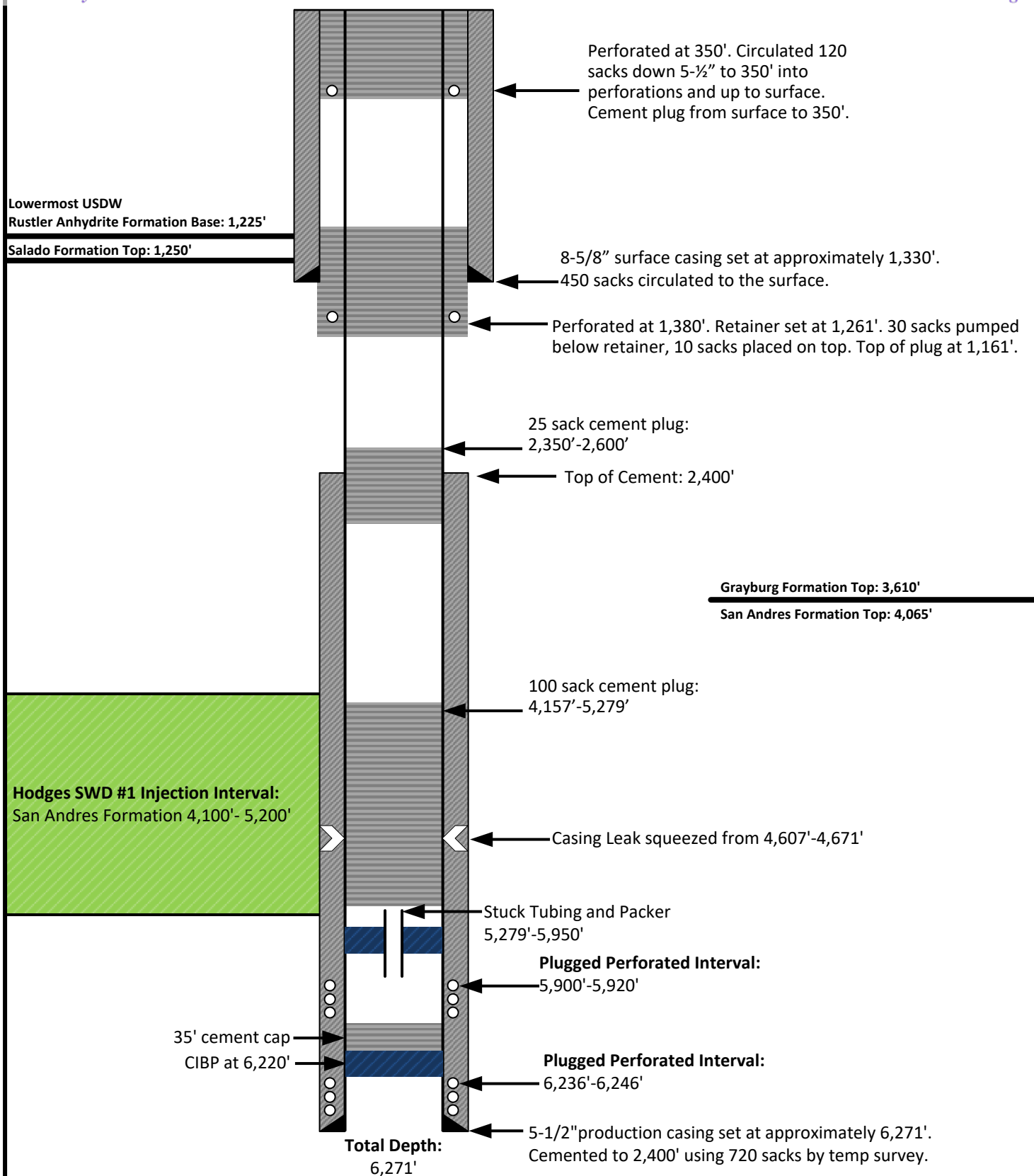
Prepared by:
ALL CONSULTING
Prepared for:
GOODNIGHT
MIDSTREAM

Drawn by: Joshua Ticknor

Project Manager:
Nathan Alleman

Date: 05/05/2023

Bell Ramsey NCT-A
Wellbore Diagram
API: 30-025-04494
Spud Date: 04/04/1962
Plugged and Abandoned: 02/28/2003
Operated By: Chevron USA, Inc.



Not to Scale

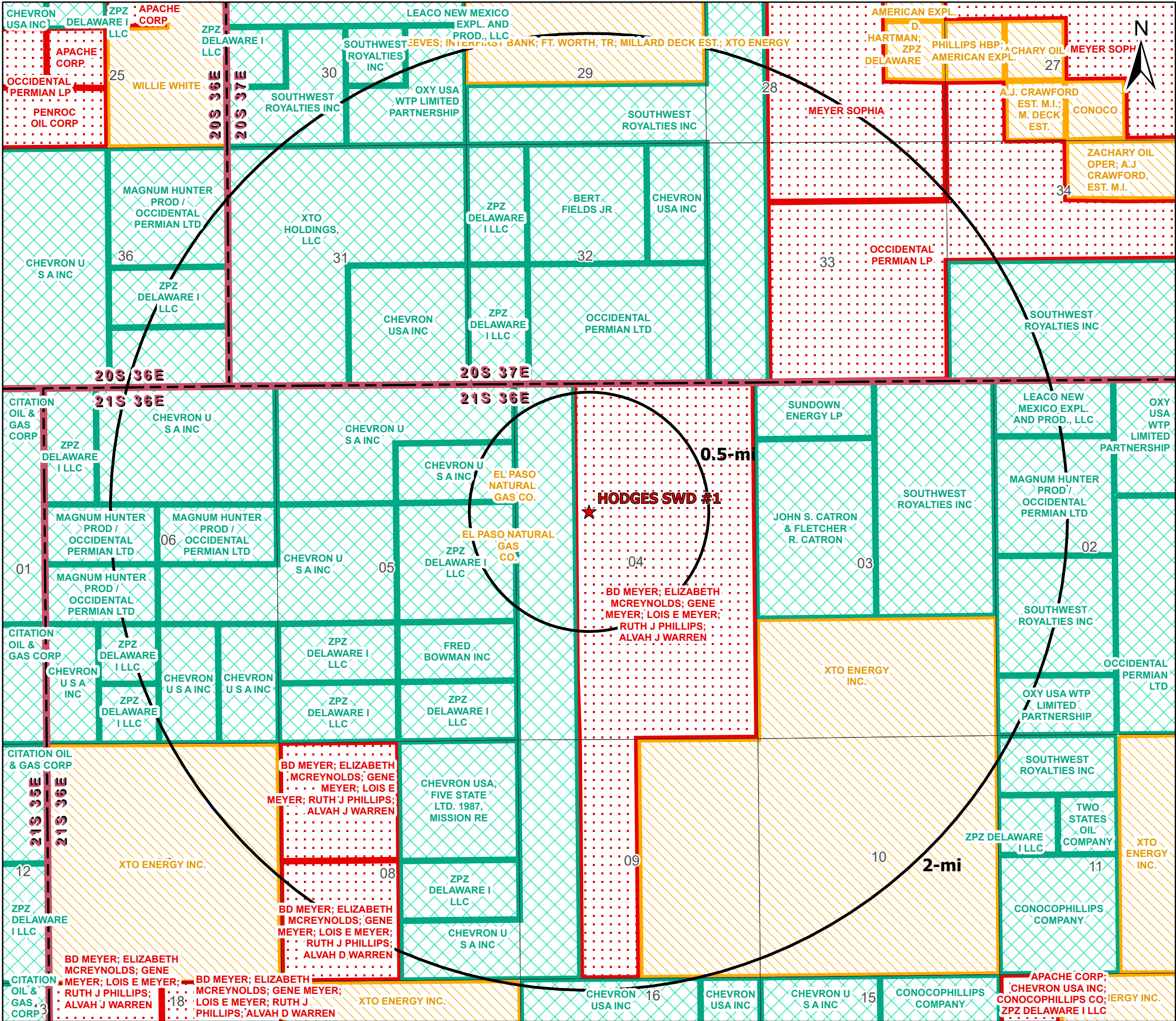
Prepared by:
ALL CONSULTING
Prepared for:
GOODNIGHT
MIDSTREAM

Drawn by: Joshua Ticknor

Project Manager:
Nathan Alleman

Date: 05/05/2023

Meyer B-4
Wellbore Diagram
API: 30-025-04481
Plugged and Abandoned: 09/23/1997
Operated By: Conoco, Inc.



★ Proposed SWD

NMSLO Mineral Leases

BLM Mineral Leases

Private Mineral Leases

Mineral Lease Area of Review

HODGES SWD #1

LEA COUNTY, NEW MEXICO

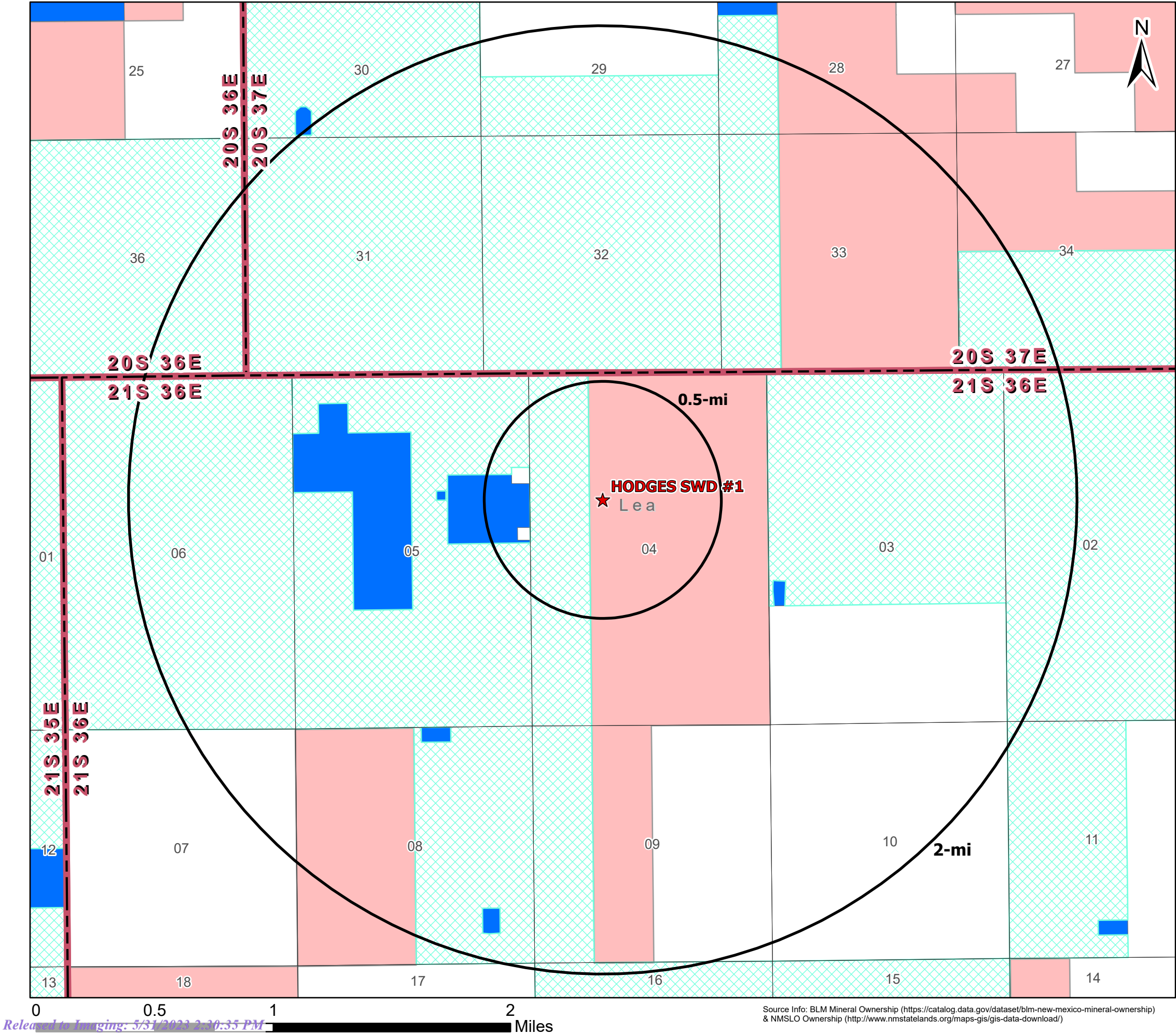
Proj Mgr:
Nate Alleman

May 03, 2023

Mapped by:
Ben Bockelmann

Prepared for:
GOODNIGHT
MIDSTREAM

Prepared by:
ALLCONSULTING



Legend

- ★ Proposed SWD
- Private minerals
- Subsurface minerals (NMSLO)
- Surface and Subsurface minerals (NMSLO)
- All minerals are owned by U.S. (BLM)

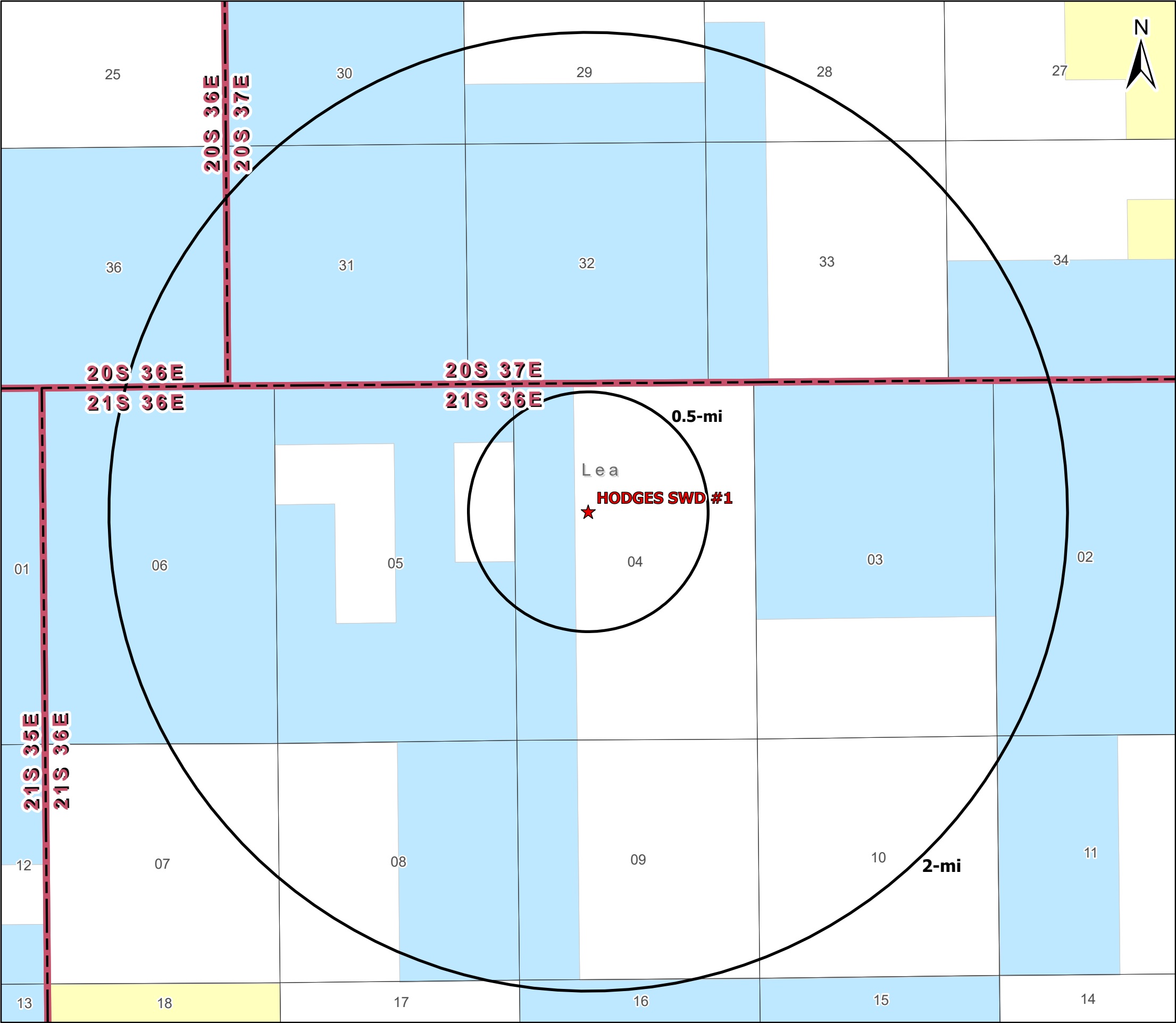
**Mineral Ownership
Area of Review**

HODGES SWD #1
LEA COUNTY, NEW MEXICO

Proj Mgr: Nate Alleman	May 03, 2023	Mapped by: Ben Bockelmann
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Prepared for:
GOODNIGHT
MIDSTREAM

Prepared by:
ALLCONSULTING



Legend

★ Proposed SWD

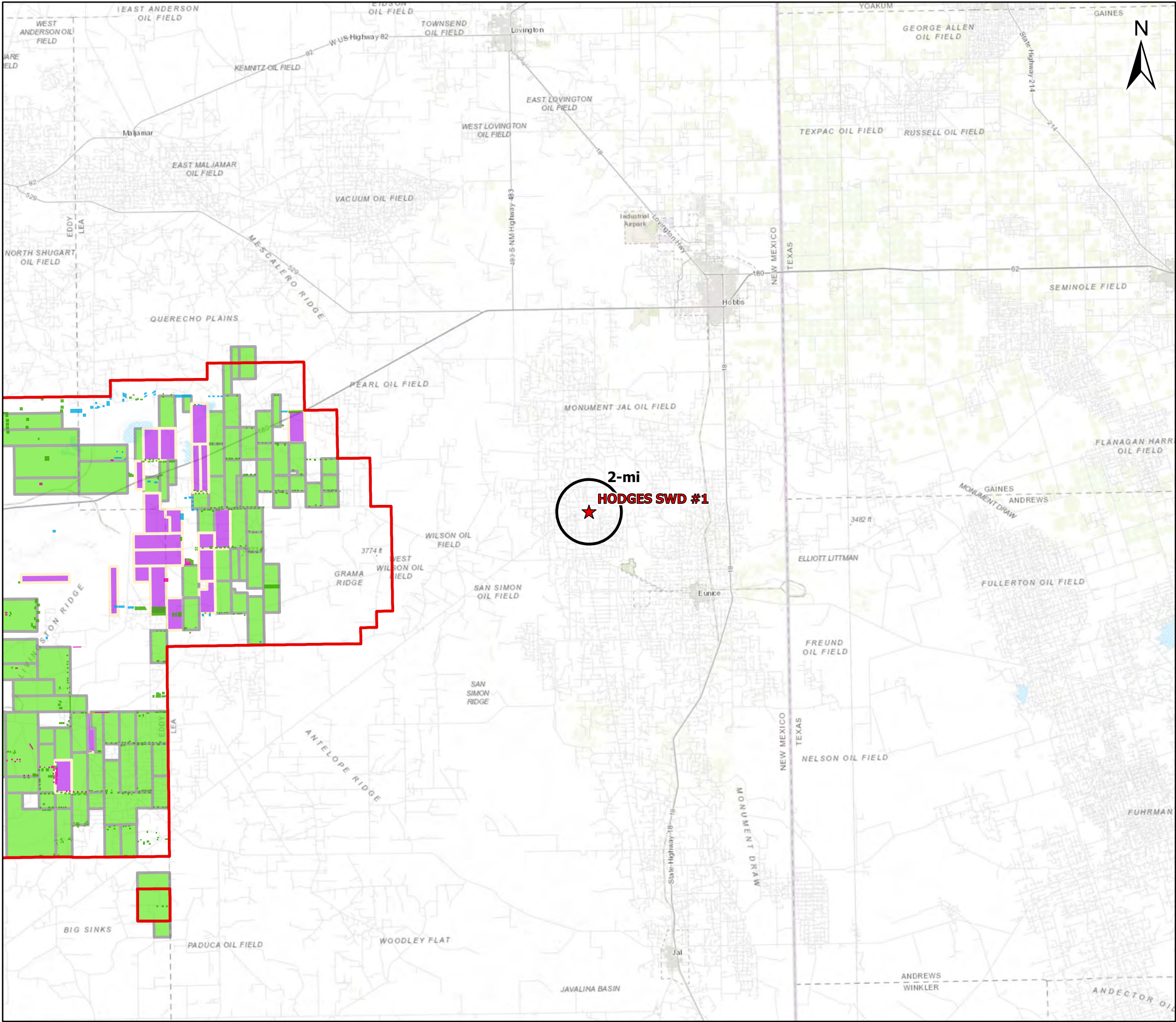
Surface Ownership

BLM

Private

State

Surface Ownership Area of Review		
HODGES SWD #1 LEA COUNTY, NEW MEXICO		
Proj Mgr: Nate Alleman	May 03, 2023	Mapped by: Ben Bockelmann
Prepared for: GOODNIGHT MIDSTREAM		Prepared by: ALL CONSULTING



Legend

★ Proposed SWD (1)

□ SOPA 1986 (2)

Drill Islands

Status, Depth Buffer

■ Approved, Half Mile (303)

■ Approved, Quarter Mile (36)

■ Nominated, Half Mile (46)

■ Nominated, Quarter Mile (1)

Development Areas

Status

■ Approved (87)

■ Pending (24)

■ Pending NMOCD Order (0)

Potash Area of Review

HODGES SWD #1

LEA COUNTY, NEW MEXICO

Proj Mgr:
Nate Alleman

May 03, 2023

Mapped by:
Ben Bockelmann

Prepared for:
GOODNIGHT
MIDSTREAM

Prepared by:
ALLCONSULTING

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)
GAUCHO UNIT #012H	3002541564	32.384037	-103.4853745	20	22S	34E	A	275N	575E	Lea	NM		BONE SPRING 2ND SAND	109,808	66,985	281	1,030
GAUCHO UNIT #013H	3002541565	32.3841743	-103.4853745	20	22S	34E	A	225N	575E	Lea	NM		BONE SPRING 2ND SAND	139,905	85,081	293	740
GAUCHO UNIT #015H	3002541566	32.3841896	-103.4984589	20	22S	34E	D	100N	660W	Lea	NM		BONE SPRING 2ND SAND	184,420	115,274	268	765
GAUCHO 21 FEDERAL #002H	3002540626	32.3709793	-103.4823151	21	22S	34E	M	375S	375W	Lea	NM		DELAWARE-BRUSHY CANYON	266,468	167,562	366	-
GAUCHO 21 FEDERAL #002H	3002540626	32.3709793	-103.4823151	21	22S	34E	M	375S	375W	Lea	NM		DELAWARE-BRUSHY CANYON		224,384	366	210
GAUCHO 21 FEDERAL #002H	3002540626	32.3709793	-103.4823151	21	22S	34E	M	375S	375W	Lea	NM		DELAWARE-BRUSHY CANYON		169,000	37	341
GAUCHO UNIT #012H	3002541564	32.384037	-103.4853745	20	22S	34E	A	275N	575E	Lea	NM		BONE SPRING 2ND SAND		68,000	427	97
GAUCHO UNIT #013H	3002541565	32.3841743	-103.4853745	20	22S	34E	A	225N	575E	Lea	NM		BONE SPRING 2ND SAND		77,000	305	1,600
GAUCHO UNIT #014H	3002541571	32.3840523	-103.4984589	20	22S	34E	D	150N	660W	Lea	NM		BONE SPRING 2ND SAND		82,000	220	624
GAUCHO UNIT #015H	3002541566	32.3841896	-103.4984589	20	22S	34E	D	100N	660W	Lea	NM		BONE SPRING 2ND SAND	158,147	96,378	232	710
MOBIL LEA STATE #001	3002531696	32.5999107	-103.5331573	2	20S	34E	K	1800S	1980W	LEA	NM	LEA NORTHEAST	DELAWARE	152,064	102,148	404	691
MOBIL LEA STATE #003	3002532105	32.5976906	-103.5367584	2	20S	34E	M	990S	870W	LEA	NM	LEA NORTHEAST	DELAWARE	296,822	215,237	143	294
MOBIL LEA STATE #005	3002532466	32.6028633	-103.5367584	2	20S	34E	E	2440N	870W	LEA	NM	LEA NORTHEAST	DELAWARE	340,838	245,270	229	147
LEA UNIT #004H	3002502424	32.5895081	-103.524559	11	20S	34E	H	1980N	660E	LEA	NM	LEA	BONE SPRING	29,436	16,720	634	1,142
LEA UNIT #001	3002502427	32.5858536	-103.520256	12	20S	34E	L	1980S	660W	LEA	NM	LEA	DELAWARE	214,787	132,700	208	1,816
LEA UNIT #001	3002502427	32.5858536	-103.520256	12	20S	34E	L	1980S	660W	LEA	NM	LEA	BONE SPRING	15,429			
LEA UNIT #001	3002502427	32.5858536	-103.520256	12	20S	34E	L	1980S	660W	LEA	NM	LEA	BONE SPRING	180,701	108,300	1,016	670
LEA UNIT #005	3002502429	32.5858536	-103.5116501	12	20S	34E	J	1980S	1980E	LEA	NM	LEA	BONE SPRING	202,606	118,100	5,196	992
LEA UNIT #005	3002502429	32.5858536	-103.5116501	12	20S	34E	J	1980S	1980E	LEA	NM	LEA	BONE SPRING	121,800			
LEA UNIT #008	3002502431	32.5927162	-103.511673	12	20S	34E	B	810N	1980E	LEA	NM	LEA	BONE SPRING	147,229	89,640	108	1,038
MONK 21 STATE COM #001H	3002540986	32.4706993	-103.4818954	21	21S	34E	D	330N	460W	Lea	NM		BONE SPRING 2ND SAND	261,089	160,264	122	425
MONK 21 STATE #004H	3002542193	32.47107672	-103.4727296	21	21S	34E	B	200N	1980E	Lea	NM		BONE SPRING 2ND SAND	184,233	112,775	488	425
MONK 21 STATE COM #001H	3002540986	32.4706993	-103.4818954	21	21S	34E	D	330N	460W	Lea	NM		BONE SPRING 2ND SAND		103,000	207	439
H L VINSON #001	3002503587	33.5251312	-103.237999	22	09S	36E	A	660N	660E	Lea	NM		WOLFCAMP		66,400	187	690
PHILLIPS STATE #001	3002503659	33.3458824	-103.2939529	22	11S	36E	N	660S	1980W	LEA	NM	CINDY	WOLFCAMP	78,885	47,400	354	875
STATE CA #001	3002503743	32.902153	-103.3229828	23	16S	36E	O	660S	1980E	LEA	NM	LOVINGTON	WOLFCAMP	167,968	102,800	61	623
SINCLAIR STATE #002	3002503123	32.7386246	-103.4561005	21	18S	35E	A	660N	660E	LEA	NM	VACUUM SOUTH	WOLFCAMP	60,950	33,568	1,087	3,049

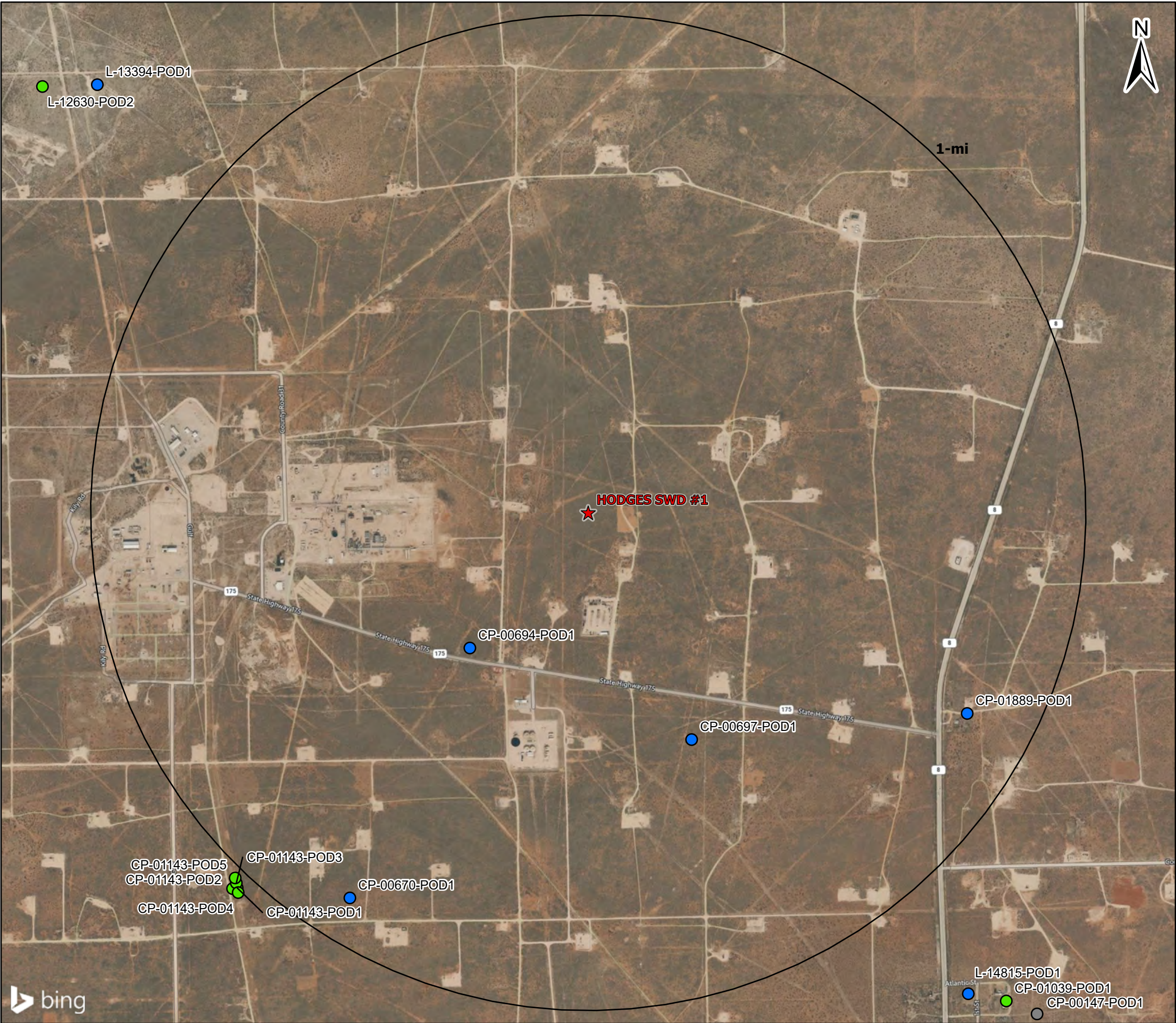
Attachment 4

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)
SIMMONS #001	3002510070	32.4232674	-103.1821976	5	22S	37E	G	1760N	1760E	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	78,653	46,510	580	2,184
C P FALBY B FEDERAL #004	3002510106	32.4045296	-103.1914597	8	22S	37E	L	1980S	660W	LEA	NM	CARY	SAN ANDRES	80,540	43,500	755	5,950
C P FALBY A FEDERAL #003	3002510118	32.4081421	-103.1871872	8	22S	37E	F	1980N	1980W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	59,766			
C P FALBY A FEDERAL #004	3002510120	32.4081345	-103.1914673	8	22S	37E	E	1980N	660W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	10,925	5,312	1,620	201
PENROSE #002	3002510146	32.4078712	-103.1739807	9	22S	37E	E	2086N	776W	LEA	NM	EUNICE SOUTHWEST	SAN ANDRES	64,895	38,010	488	2,100
LOU WORTHAM #020	3002510216	32.411808	-103.1401749	11	22S	37E	D	660N	660W	LEA	NM	EUNICE SOUTH	SAN ANDRES	10,947	6,527	20	236
LOU WORTHAM #005	3002523606	32.4109001	-103.1369629	11	22S	37E	C	990N	1650W	LEA	NM	EUNICE SOUTH	SAN ANDRES	18,587	9,460	13	2,518
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	LEA	NM	EUNICE SOUTH	SAN ANDRES	9,192	4,443	12	1,491
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	LEA	NM	EUNICE SOUTH	SAN ANDRES	14,868	9,040	24	112
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	LEA	NM	EUNICE SOUTH	SAN ANDRES	13,828	7,298	18	1,389
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	LEA	NM	EUNICE SOUTH	SAN ANDRES	14,957	8,867	18	406
HUGH COI #013	3002523275	32.3982162	-103.1396637	14	22S	37E	D	330N	820W	LEA	NM	EUNICE SOUTH	SAN ANDRES	14,215	6,495	2,529	191
LOU WORTHAM #006	3002523756	32.4072723	-103.1410828	11	22S	37E	E	2310N	380W	LEA	NM	EUNICE SOUTH	SAN ANDRES	14,824	7,018	2,344	207
E M E SWD #008	3002506017	32.5895042	-103.2725601	8	20S	37E	G	1980N	2310E	LEA	NM	MONUMENT PADDOCK	SAN ANDRES	65,365	36,905	560	1,460
THEODORE ANDERSON #002	3002506139	32.5785942	-103.2758102	17	20S	37E	C	660N	1980W	Lea	NM		SAN ANDRES		67,245	564	489
E M E SWD #008	3002506017	32.5895042	-103.2725601	8	20S	37E	G	1980N	2310E	LEA	NM	MONUMENT	SAN ANDRES	65,361	36,900	560	1,460

Attachment 5

Water Well Map and Well Data



Legend

★ Proposed SWD

OSE PODs

Status

- Active (6)
- Pending (7)
- Change Location of Well (0)
- Capped (0)
- Plugged (0)
- Incomplete (0)
- Unknown (1)

Water Wells Area of Review

HODGES SWD #1
LEA COUNTY, NEW MEXICO

Proj Mgr: Nate Alleman	May 03, 2023	Mapped by: Ben Bockelmann
Prepared for: GOODNIGHT MIDSTREAM	Prepared by: ALL CONSULTING	

Water Well Sampling Rationale					
Goodnight Midstream Permian- Hodges SWD #1					
Water Wells	Owner	Available Contact Information	Use	Sampling Required	Notes
CP-00670-POD1	GULF OIL CORPORATION	P.O. BOX 670 Hobbs, NM, 88240	Secondary Recovery of Oil	No	Not a freshwater well
CP-00694-POD1	CHEVRON USA INC	P.O. BOX 670 Hobbs, NM, 88240	Secondary Recovery of Oil	No	Not a freshwater well
CP-00697-POD1	CHEVRON USA INC	P.O. BOX 670 Hobbs, NM, 88240	Secondary Recovery of Oil	No	Not a freshwater well
CP-01889-POD1	Mathew LUNA	P.O. Box 3032 Eunice, NM, 88231 Cell: 575-942-8473	Domestic	No	Communication with the water well owner confirmed that this well is not currently an active fresh water well. Sampling is not available.
Note: No active freshwater wells are located within 1-mile of the proposed Hodges SWD #1.					

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, Unit 800, 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: Hodges SWD #1
Located 8.5 miles northwest of Eunice, NM
LOT 11, Section 4, Township 21S, Range 36E
2,833 FNL & 1,620' FWL
Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE: San Andres (4,100' – 5,200')
EXPECTED MAXIMUM INJECTION RATE: 42,000 Bbls/day
EXPECTED MAXIMUM INJECTION PRESSURE: 820 psi (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
May 09, 2023
and ending with the issue dated
May 09, 2023.


Publisher

Sworn and subscribed to before me this
9th day of May 2023.


Business Manager

My commission expires
January 29, 2027

(Seal)

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

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
May 9, 2023

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That Goodnight Midstream Permian, LLC, 5910 N Central Expressway, Unit 800, 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: Hodges SWD #1
Located 8.5 miles northwest of Eunice, NM
LOT 11, Section 4, Township 21S,
Range 36E
2,833 FNL & 1,620' FWL
Lea County, NM

NAME AND DEPTH OF DISPOSAL ZONE San Andres (4,100' - 5,200')
EXPECTED MAXIMUM INJECTION RATE: 42,000 Bbls/day
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Additional information may be obtained by contacting Nate Alleman at 918-382-7581.
#00278371

67115320

00278371

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

Hodges SWD #1 - Notice of Application Recipients				
Entity	Address	City	State	Zip Code
Land & Mineral Owner				
Millard Deck Estate, Terry Richey Trustee Senior Vice President - Sr. Trust Officer Southwest Bank Trust Department	4800 East 42nd Street	Odessa	Texas	79762
OCD District				
NMOCD District 1	1625 N. French Drive	Hobbs	NM	88240
Leasehold Operators				
New Mexico State Land Office	310 Old Sante Fe Trail	Sante Fe	NM	87501
Penroc Oil Corportation (PENROC OIL CORP)	P.O. Box 2769	Hobbs	NM	88241
ZPZ Delaware I, LLC (ZPZ DELAWARE I LLC)	2000 Post Oak Blvd., Suite 100	Houston	TX	77056
Empire New Mexico LLC	2200 S. Utice Pl., Suite 150	Tulsa	OK	74114
Chevron USA Inc. (CHEVRON U S A INC)	6301 Deauville Blvd.	Midland	TX	79706
New Mexico BLM	620 E Greene St.	Carlsbad	NM	88220
El Paso Natural Gas Company, LLC (EL PASO NATURAL GAS CO.)	1001 Louisiana Street, Suite 1000	Houston	TX	77002
BD Meyer	P.O. Box 428	Panhandle	TX	79068
Elizabeth McReynolds	P.O. Box 428	Panhandle	TX	79068
Lois E Meyer	P.O. Box 428	Panhandle	TX	79068
Gene Meyer	P.O. Box 428	Panhandle	TX	79068
Ruth J Phillips	P.O. Box 428	Panhandle	TX	79068
Alvah J Warren	P.O. Box 428	Panhandle	TX	79068
Notes: The table above shows the Entities who were identified as parties of interest requiring notification on either the 0.5-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 0.5-mile well detail list (Attachment 2) or on the 2-mile Mineral Lease Map (Attachment 2).				

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Alvah J. Warren
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El Paso Natural Gas Company, LLC
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HOUSTON TX 77002-0000

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Empire New Mexico LLC
2200 S UTICA PL STE 150
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Attachment 7

Signed No Hydrological Connection Statement



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

RE: Goodnight Midstream, LLC Hodges SWD well permit

Lot 11, Section 4, 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.

A handwritten signature in blue ink that reads 'Steve Drake'.

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

4/6/2023
Date

Protested SWD Application

Empire New Mexico LLC

From: [Gebremichael, Million, EMNRD](#)
To: agrarkin@hollandhart.com
Cc: padillalawnm@outlook.com; [Goetze, Phillip, EMNRD](#); [Tremaine, Jesse, EMNRD](#); [Wrinkle, Justin, EMNRD](#)
Subject: Notification of Protest for Application to Inject: Hernandez SWD #1, Hodge SWD #1, Seaver SWD #1 and Doc Gooden SWD #1
Date: Wednesday, May 31, 2023 1:24:00 PM
Attachments: [image001.png](#)

Greetings Mr. Rankin:

The OCD was notified by Empire New Mexico LLC (Empire) that it is protesting the following administrative applications of Goodnight Midstream Permian, LLC (Goodnight) for produced water disposal in Lea County, NM:

1. Hernandez SWD #1 located in Unit P, Sec 10, T21S, R36E, NMPM
2. Hodge SWD #1 located in Unit C, Sec 4, T21S, R36E, NMPM
3. Seaver SWD #1 located in Unit K, Sec 10, T21S, R36E, NMPM
4. Doc Gooden SWD #1 located in Unit J, Sec 3, T21S, R36E, NMPM

Empire is identified as an affected person for the referenced applications. For these applications to proceed, Goodnight has two options; either resolve the matter with the protesting party or to go to a hearing before the Division. If the protest is withdrawn, then the applications could be processed administratively. Meanwhile, OCD will retain your applications until a resolution is reached on the status of the submittals. If you have any questions, please don't hesitate to reach out to UIC group.

Contact for Empire New Mexico LLC:

Ernst Padilla

PADILLA LAW FIRM, P.A.

1512 S. ST. FRANCIS DRIVE

SANTA FE, NM 87505

MAILING ADDRESS

P.O. BOX 2523

SANTA FE, NEW MEXICO 87504-2523

EMAIL: padillalawnm@outlook.com

Regards,

Million Gebremichael

PADILLA LAW FIRM, P.A.

STREET ADDRESS
1512 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505

TELEPHONE
505-988-7577

MAILING ADDRESS
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523

FACSIMILE
505-988-7592

EMAIL ADDRESS
padillalawnm@outlook.com

May 24, 2023

VIA EMAIL & USMAIL

Dylan.Fuge@emnrd.nm.gov
OCD.Hearings@emnrd.nm.gov

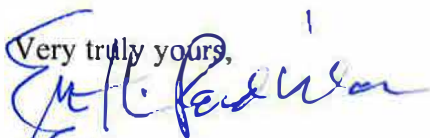
Mr. Dylan Fuge, Acting Director
Oil Conservation Division
New Mexico Department of Energy,
Mineral and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re: Administrative Applications of Goodnight Midstream Permian, LLC for salt water disposal wells in Lea County, NM of the following wells;
Hernandez SWD #1 Class IID;
Hodge SWD #1 Class IID;
Seavers SWD #1 Class IID;
Doc Gooden SWD #1 Class IID.

Dear Director Fuge:

Empire New Mexico LLC is an interest owner and operator within the area of the proposed Salt Water Disposal well. It therefore, objects to Goodnight Midstream Permian, LLC's administrative applications to convert the referenced wells to a SWD. This action could cause potential damage to Empire's correlative rights.

Empire requests that these administrative applications be set for hearing.

Very truly yours,

ERNEST L. PADILLA

ELP:jbg

xc: Eugene Sweeney
cc: All Consulting

From: [Adam Rankin](#)
To: [Gebremichael, Million, EMNRD](#)
Cc: [padillalawnm@outlook.com](#); [Goetze, Phillip, EMNRD](#); [Tremaine, Jesse, EMNRD](#); [Wrinkle, Justin, EMNRD](#)
Subject: [EXTERNAL] RE: Notification of Protest for Application to Inject: Hernandez SWD #1, Hodge SWD #1, Seaver SWD #1 and Doc Gooden SWD #1
Date: Wednesday, May 31, 2023 1:32:01 PM
Attachments: [image001.png](#)

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Thank you. Goodnight has been unable to get responses from Empire. We therefore request that all four applications be set for a hearing before a Division examiner at the earliest available hearing docket.

Adam Rankin

Partner, Holland & Hart LLP

agrarkin@hollandhart.com | T: (505) 954-7294 | M: (505) 570-0377

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From: Gebremichael, Million, EMNRD <Million.Gebremichael@emnrd.nm.gov>
Sent: Wednesday, May 31, 2023 1:25 PM
To: Adam Rankin <AGRankin@hollandhart.com>
Cc: padillalawnm@outlook.com; Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Tremaine, Jesse, EMNRD <JesseK.Tremaine@emnrd.nm.gov>; Wrinkle, Justin, EMNRD <Justin.Wrinkle@emnrd.nm.gov>
Subject: Notification of Protest for Application to Inject: Hernandez SWD #1, Hodge SWD #1, Seaver SWD #1 and Doc Gooden SWD #1

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4. Doc Gooden SWD #1 located in Unit J, Sec 3, T21S, R36E, NMPM

Empire is identified as an affected person for the referenced applications. For these applications to proceed, Goodnight has two options; either resolve the matter with the protesting party or to go to a hearing before the Division. If the protest is withdrawn, then the applications could be processed administratively. Meanwhile, OCD will retain your applications until a resolution is reached on the status of the submittals. If you have any questions, please don't hesitate to reach out to UIC group.

Contact for Empire New Mexico LLC:
Ernst Padilla
PADILLA LAW FIRM, P.A.

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) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 222416

CONDITIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 222416
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	5/31/2023