

AE Order Number Banner

Application Number: pEG2527252866

Initial Application Part I

SWD-2672

RILEY PERMIAN OPERATING COMPANY, LLC [372290]

Received: 9/29/2025



September 24, 2025

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

Subject: Riley Permian Operating Company, LLC (OGRID No. 372290)
Application for Authorization Inject – Just Dropped In 8 SWD #001

To Whom it May Concern,

On behalf of Riley Permian Operating Company, LLC, ALL Consulting, LLC is submitting the enclosed Application for Authorization to Inject for the Just Dropped In 8 SWD #001, a proposed saltwater disposal well, in Eddy County, NM.

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

Sincerely,
ALL Consulting

A handwritten signature in black ink, appearing to read "Reed Davis", is placed below the typed name.

Reed Davis
Geophysicist

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.

September 24, 2025

Date

Print or Type Name

Phone Number

Signature


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: Riley Permian Operating Company ,LLC
ADDRESS: 29 E Reno Avenue, Suite 500, Oklahoma City, OK 73104
CONTACT PARTY: Spence Laird PHONE: 405-543-1411
- 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: Reed Davis TITLE: Geophysicist
SIGNATURE:  DATE: _____
E-MAIL ADDRESS: rdavis@ll-llc.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: File Electronically Via OCD Permitting

Application for Authorization to Inject
Well Name: Just Dropped In 8 SWD #1

III – Well Data *(The wellbore diagram is included as Attachment 1)*

A.

(1) General Well Information:

Operator: Riley Permian Operating Company, LLC (OGRID No. 372290)
Lease Name & Well Number: Just Dropped In 8 SWD #1
Location Footage Calls: 223' FSL & 1,081' FWL
Legal Location: Lot 4, S30 T17S R28E
Ground Elevation: 3,625'
Proposed Injection Interval: 7,900' – 8,700'
County: Eddy

(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#	450'	300	Surface	Circulation
Intermediate	12-1/4"	9-5/8"	43.5#	2,300'	700	Surface	Circulation
Production	8-3/4"	7"	26#	8,700'	1,000 in two stages w/DV tool set at 5,300'	2,000'	CBL
Tubing		4-1/2"	11.6 lb/ft	7,880'			

(3) Tubing Information:

4-1/2" (11.6 lb/ft) ICP tubing with setting depth of 7,880'.

(4) Packer Information: AS1-X or equivalent packer set at 7,880'.

B.

(1) Injection Formation Name: Cisco-Canyon

Pool Name: SWD; Cisco-Canyon

Pool Code: 96186

(2) Injection Interval: Perforated injection between 7,900'-8,700'

(3) Drilling Purpose: New drill for saltwater 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.

- Glorieta Sandstone (3,150')
- Yeso Group (4,000')
- Abo Formation (5,300')
- Bone Spring (6,220')
- Wolfcamp Formation (6,590')

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

- Strawn (9,100')
- Morrow (9,800')

V – Well and Lease Details

The following maps and documents are included as **Attachment 2**:

- 2-mile Production Review Map
- 1/2-mile AOR Well Table
- 2-Mile Mineral Lease Map
- 2-Mile Mineral Ownership Map
- 2-Mile Surface Ownership Map
- Potash Lease Map

VI – AOR Well List

A list of the well(s) within the 1/2-mile AOR is included in **Attachment 2**. Two wells that have been drilled penetrate the injection zone. Both wells have been evaluated and have been properly cased and cemented through the proposed injection zone.

VII – Proposed Operation

- (1) **Proposed Maximum Injection Rate:** 10,000 bpd
Proposed Average Injection Rate: 5,000 bpd
Step Rate Test: Riley Permian intends to conduct a Step Rate Test (SRT) at the proposed Just Dropped In 8 SWD #1 location, prior to commencement of injection, to determine the formation fracture gradient and maximum allowable surface injection pressure.
- (2) **A closed-loop system** will be used.
- (3) **Proposed Maximum Injection Pressure:** 1,580 psi (surface)
Proposed Average Injection Pressure: Approximately 1,050 psi (surface)
- (4) **Source Water Analysis:** The expected injectate will consist of produced water from production wells completed in the Abo, Avalon, Bone Spring, Delaware, Drinkard, Glorieta, and Yeso Group. Publicly available water quality analysis from the Go-Tech database is included for these formations as **Attachment 3**.
- (5) **Injection Formation Water Analysis:** The proposed SWD will be injecting water into the Cisco and Canyon formations, which are non-productive zones known to be compatible with formation water from the Abo, Avalon, Bone Spring, Delaware, Drinkard, Glorieta, and Yeso Group. Water analyses from the injection formations in the area are included as **Attachment 4**.

VIII – Geologic Description

The proposed injection interval includes the Cisco and Canyon formations from 7,900'-8,700'. The Permian-aged Cisco and Canyon formations consist primarily of carbonate rocks composed of limestones, dolomites, and some alternating shales. These rocks have secondary porosity and permeability development, indicating these formations are viable injection targets.

Further reservoir characterization, including discussion of the injection formation, overlying and underlying confinement zones, and historic use of the field is included as **Attachment 5**. **Attachment 5** also includes a response to the location of the well in a designated high karst area. Expert assessment of induced seismicity potential as well as an induced seismicity map are presented in **Attachment 6**.

The base of the USDW is the Yates Formation at a depth of approximately 450 feet. Depth of the nearest water well in the area is approximately 220 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 to be run include gamma ray, resistivity, neutron density, and sonic and 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, there are no active groundwater wells located within 1-mile of the proposed SWD location.

A water well map is included as **Attachment 7**.

XII – No Hydrologic Connection Statement

No publicly known 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 Hydrologic Connection Statement* is included as **Attachment 8**.

XIII – Notice

A list of notice recipients, and proof of notice, are included as **Attachment 9**.

Attachments

Attachment 1:

- C-102
- Wellbore Diagram
- Packer Diagram

Attachment 2: Area of Review Information:

- 2-mile Production Review Map
- 1/2-mile AOR Well Table
- 2-Mile Mineral 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: Reservoir Characterization

Attachment 6: Induced Seismicity Assessment Letter

Attachment 7: Water Well Map and Well Data

Attachment 8: No Hydrologic Connection Statement

Attachment 9: List of Affected Persons and Proof of Notice

Attachment 1

- C-102
- Wellbore Diagram
- Packer Diagram

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal
			<input type="checkbox"/> Amended Report
			<input type="checkbox"/> As Drilled
Property Name and Well Number JUST DROPPED IN 8 SWD 1			

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code	Pool Name
Property Code	Property Name JUST DROPPED IN 8 SWD	Well Number 1
OGRID No. 372290	Operator Name RILEY PERMIAN OPERATING COMPANY LLC	Ground Level Elevation 3625'
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

Surface Location

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
4	30	17 S	28 E		223 FSL	1081 FWL	N 32.798411°	W 104.220077°	EDDY

Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
Order Numbers			Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County


First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County

Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County

Unitized Area or Area of Uniform Interest	Spacing Unity Type <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation 3650'
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OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>	SURVEYORS CERTIFICATION  Signature and Seal of Professional Surveyor _____ Date _____ <i>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.</i> MITCHELL L. MCDONALD, N.M. P.L.S. Certificate Number 29821 Date of Survey OCTOBER 4, 2024
Signature _____ Date _____	
Print Name _____	
E-mail Address _____	

Note: 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.

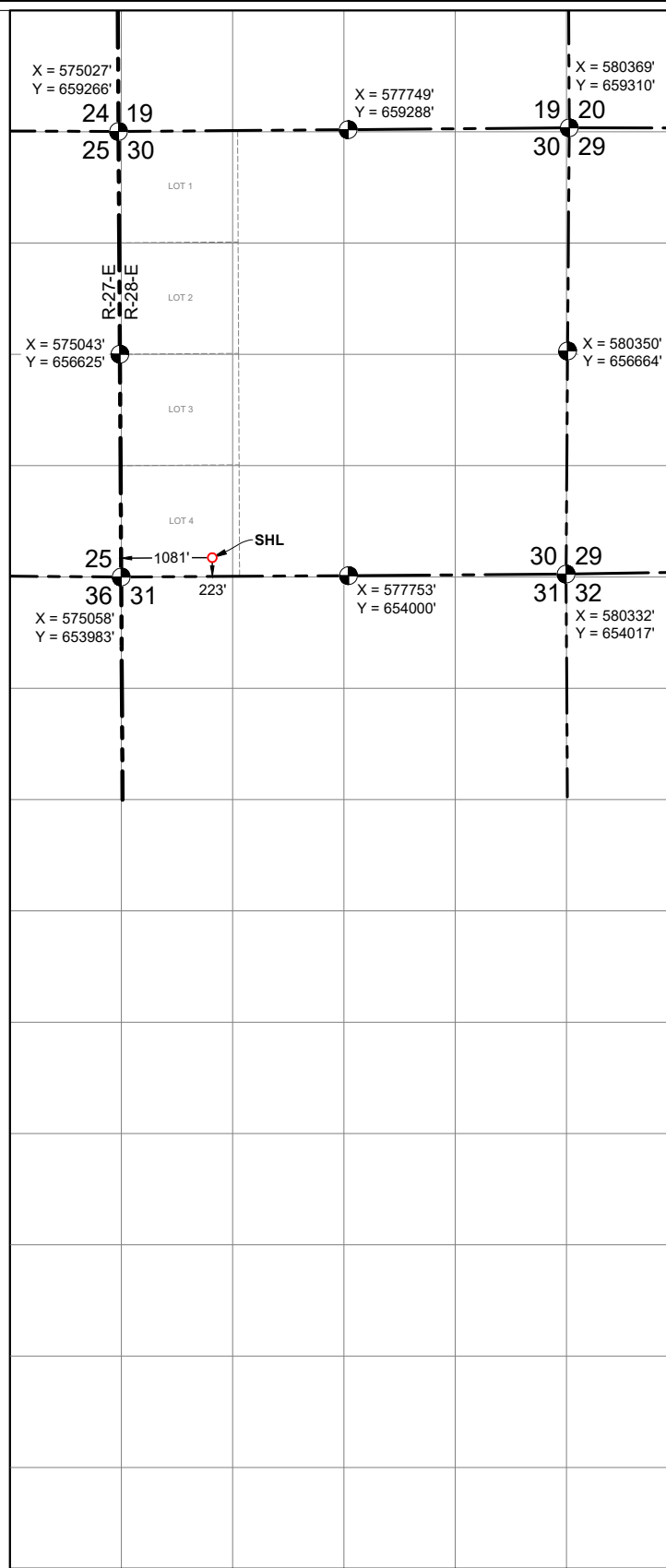
<div>C-102</div> <div>Submit Electronically Via OCD Permitting</div>	<div>State of New Mexico</div> <div>Energy, Minerals & Natural Resources Department</div> <div>OIL CONSERVATION DIVISION</div>	Revised July 9, 2024	
		<div>Submittal Type:</div>	<input checked="" type="checkbox"/> Initial Submittal
			<input type="checkbox"/> Amended Report
		<input type="checkbox"/> As Drilled	

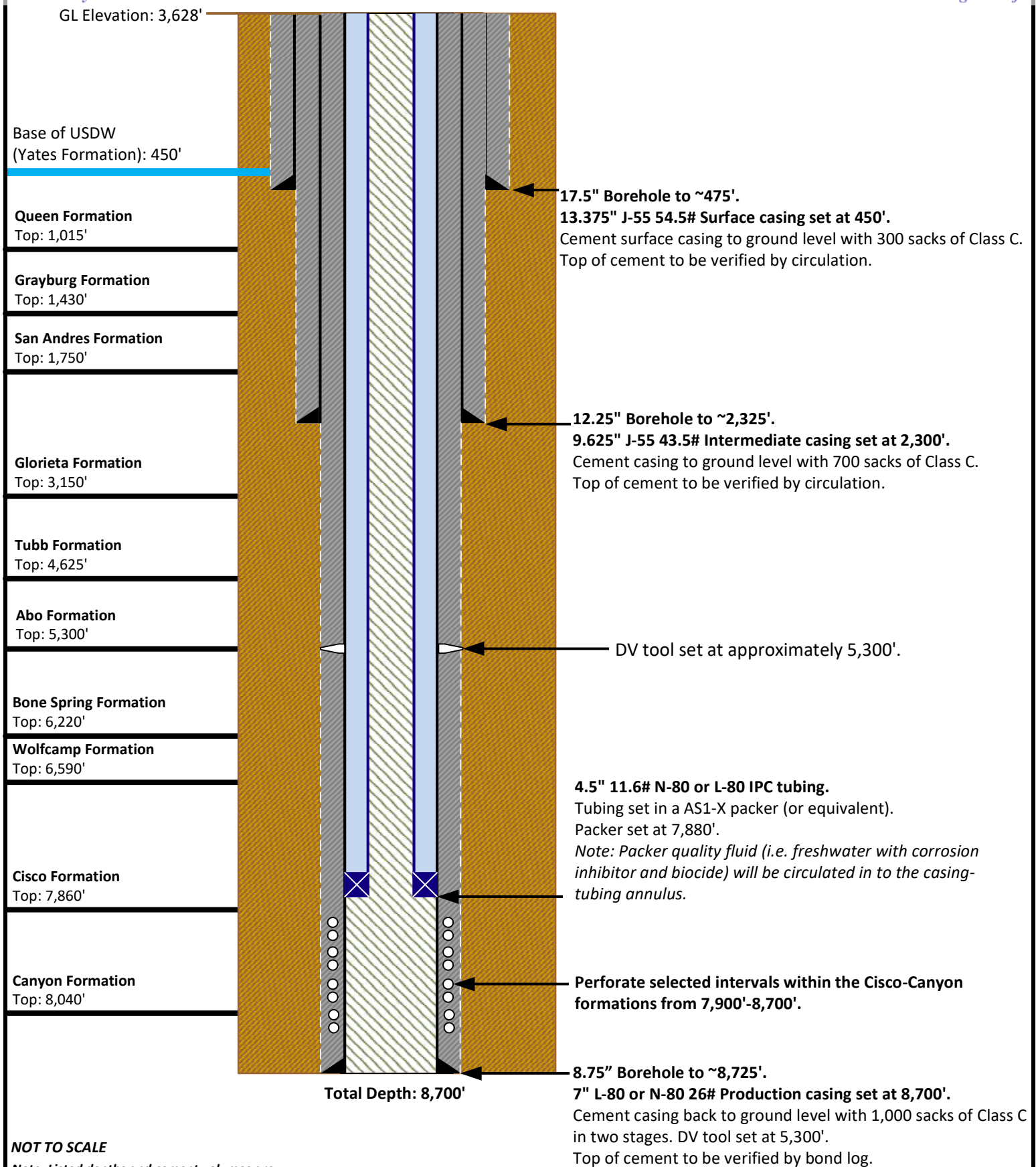
[illegible]

JUST DROPPED IN 8 SWD 1

SURFACE LOCATION

NEW MEXICO EAST
NAD 1983
X=576138' Y=654213'
LAT=N32.798411°
LONG=W104.220077°
NAD 1927
X=534959' Y=654150'
LAT=N32.798296°
LONG=W104.219564°
223' FSL 1081' FWL





Prepared by:
ALL CONSULTING

Prepared for:



Drawn by: Joshua Ticknor

Project Manager: Reed Davis

Date: 09/10/2025

Just Dropped In 8 State SWD #1
Proposed Wellbore Diagram
Operated by Riley Permian Operating, LLC
S30, T17S, R28E
Eddy County, New Mexico



We Know Downhole.
(800) 441-3504 ■ www.dloiltools.com



ASI-X PACKER

The **ASI-X Single String Double-Grip Production Packer** is the most versatile of the mechanically set retrievable packers and may be used in any production application. This packer is suited for treating, testing, or injection applications, in pumping or flowing wells, either deep or shallow. This packer can be left in tension or compression depending on well conditions and the required application.

A large internal by-pass reduces swabbing when running and retrieving. The by-pass closes when the packer is set and opens prior to releasing the upper slips when retrieving to allow pressure equalization. The J-slot design allows easy setting and releasing; 1/4 turn right-hand set, 1/4 turn right-hand release.

The standard ASI-X Packer is designed for differential pressures up to 7,000 PSI

(unless noted otherwise). This packer is also available in an HT version which is designed for differential pressures up to 10,000 PSI (unless noted otherwise). The HT version allows this packer to be utilized in completions where high pressure treating operations are performed and it is desirable to leave the tool in the well for production.

Special Features

- By-pass below upper slips to wash debris when valve is opened
- By-pass is opened before upper slips are released
- Can be set with tension for shallow well applications
- Can be left in tension, compression or neutral
- 1/4 turn right-hand set, 1/4 turn right-hand release
- Additional J-Slot arrangements available



Product Specifications

Casing		Recommended Hole Size (inches)	Gage OD (inches)	Max OD (inches)	Tool ID (inches)	Thread Connections Box Up / Pin Down	Part Number	
Size (inches)	Weight (lbs/ft)						Std	HT
2-7/8	6.4 - 6.5	2.375 - 2.441	2.250	2.263 ¹	0.63	1.050 EUE	60325-3E*	-
	8.6	2.259	2.125	2.152 ¹	0.63	1.050 EUE	60324-3E*	-
3-1/2	7.5 - 7.7	3.068 - 3.250	2.938	-	1.25	1.900 NUE	60336*	-
	7.7 - 10.2	2.922 - 3.068	2.781	-	1.25	1.900 NUE	60335*	-
	12.95	2.750	2.562	-	1.00	1.315 EUE / 1.660 EUE	60337*	-
4	9.5 - 11.0	3.476 - 3.548	3.250	3.312 ¹	1.50	1.900 EUE	60340*	-
	10.46 - 12.95	3.340 - 3.476	3.187	-	1.50	1.900 EUE	60341*	-
4-1/2	9.5 - 13.5	3.920 - 4.090	3.750	-	1.94	2-3/8 EUE	60345 ²	60345HT ²
	13.5 - 15.1	3.826 - 3.920	3.650	-	1.94	2-3/8 EUE	60344 ²	60344HT ²
	15.1	3.826	3.641	-	1.94	2-3/8 EUE	60346	-
	15.1 - 16.6	3.754 - 3.826	3.594	-	1.50	1.900 EUE	60343	-
	18.8	3.640	3.437	-	1.50	1.900 EUE	60342	-

¹Maximum OD is across retracted drag blocks.

²Drilled for wireline.

* Designed for differential pressures up to 10,000 PSI.

Rubber Trim Upgrade Options (additional cost, inquire with a D&L sales associate): HSN, Viton, ECNER/Aflas, ECNER/HSN, EPDM

NOTE: All pricing includes standard Nitrile trim. Other sizes, connections, and rubber options available upon request.



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ASI-X Packer Product Specifications (continued)

Casing		Recommended Hole Size (inches)	Gage OD (inches)	Max OD (inches)	Tool ID (inches)	Thread Connections Box Up / Pin Down	Part Number	
Size (inches)	Weight (lbs/ft)						Std	HT
5	11.5 - 15.0	4.408 - 4.560	4.125	4.220 ¹	1.94	2-3/8 EUE	60350	60350HT
	15.0 - 18.0	4.276 - 4.408	4.063	-	1.94	2-3/8 EUE	60349	-
	18.0 - 20.8	4.156 - 4.276	4.000	4.010 ¹	1.94	2-3/8 EUE	60352	60352HT
	21.4	4.126	3.938	-	1.94	2-3/8 EUE	60353	60353HT
5-1/2	13.0 - 14.0	5.012	4.813	-	2.38	2-7/8 EUE	60358	60358HT
	14.0 - 20.0	4.778 - 5.012	4.625	-	2.00	2-3/8 EUE	60355 ²	60355HT ²
				-	2.38	2-7/8 EUE	60356 ²	60356HT ²
	20.0 - 23.0	4.670 - 4.778	4.500	-	2.00	2-3/8 EUE	60357 ²	60357HT ²
				-	2.38	2-7/8 EUE	60359 ²	60359HT ²
	23.0 - 26.0	4.548 - 4.670	4.375	-	1.94	2-3/8 EUE	60354	60354HT
			4.406	-	2.38	2-7/8 EUE	60351	60351HT
5-3/4	15.0 - 16.1	5.201-5.240	5.000	-	2.00	2-3/8 EUE	60357X	60357XHT
				-	2.38	2-7/8 EUE	60358X	60358XHT
	17.6 - 19.4	5.083-5.146	4.875	-	2.00	2-3/8 EUE	60357Y	60357YHT
				-	2.38	2-7/8 EUE	60358Y	60358YHT
	21.5 - 24.0	4.909-5.004	4.720	-	2.00	2-3/8 EUE	60357Z	60357ZHT
				-	2.38	2-7/8 EUE	60358Z	60358ZHT
6	10.0	5.672	5.375	-	2.50	2-7/8 EUE	60361	-
	12.0 - 20.0	5.352 - 5.620	5.188	-	2.38	2-7/8 EUE	60360	60360HT
6-5/8	17.0 - 24.0	5.921 - 6.135	5.750	-	2.50	2-7/8 EUE	60367	60367HT
	20.0 - 24.0	5.921 - 6.049	5.750	-	3.00	3-1/2 EUE	60368	60368HT
	24.0 - 32.0	5.675 - 5.921	5.500	-	2.50	2-7/8 EUE	60365	60365HT
				-	3.00	3-1/2 EUE	60369	60369HT
	32.0 - 34.5	5.575 - 5.675	5.312	-	2.50	2-7/8 EUE	60366	60366HT

¹Maximum OD is across retracted drag blocks.

²Drilled for wireline.

* Designed for differential pressures up to 10,000 PSI.

Rubber Trim Upgrade Options (additional cost, inquire with a D&L sales associate): HSN, Viton, ECNER/Aflas, ECNER/HSN, EPDM

NOTE: All pricing includes standard Nitrile trim. Other sizes, connections, and rubber options available upon request.



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ASI-X Packer Product Specifications (continued)

Casing		Recommended Hole Size (inches)	Gage OD (inches)	Max OD (inches)	Tool ID (inches)	Thread Connections Box Up / Pin Down	Part Number	
Size (inches)	Weight (lbs/ft)						Std	HT
7	17.0 - 20.0	6.456 - 6.538	6.250	6.281 ¹	2.50	2-7/8 EUE	60372-625	-
				-	3.00	3-1/2 EUE	60374-625	-
	17.0 - 26.0	6.276 - 6.538	6.000	6.062 ¹	2.50	2-7/8 EUE	60372 ²	60372HT ²
				6.125 ¹	3.00	3-1/2 EUE	60374	60374HT
	26.0 - 32.0	6.094 - 6.276	5.875	-	2.50	2-7/8 EUE	60370 ²	60370HT ²
				5.936 ¹	3.00	3-1/2 EUE	60373	60373HT
7-5/8	24.0 - 29.7	6.875 - 7.025	6.672	-	2.50	2-7/8 EUE	60375	60375HT
				-	3.00	3-1/2 EUE	60378	60378HT
	33.7 - 39.0	6.625 - 6.765	6.453	-	2.50	2-7/8 EUE	60376	60376HT
				-	3.00	3-1/2 EUE	60377	60377HT
8-5/8	20.0 - 24.0	8.097 - 8.191	7.750	-	2.50	2-7/8 EUE	60384	-
	20.0 - 28.0	8.017 - 8.191	7.750	7.827 ¹	4.00	4-1/2 EUE	60381	60381HT
	24.0 - 40.0	7.725 - 8.097	7.500	-	2.50	2-7/8 EUE	60385	60385HT
				-	3.00	3-1/2 EUE	60387	60387HT
	32.0 - 40.0	7.725 - 7.921	7.500	-	4.00	4-1/2 EUE	60382	60382HT
9-5/8	44.0 - 49.0	7.511 - 7.625	7.312	-	2.50	2-7/8 EUE	60386	60386HT
	32.3 - 43.5	8.755 - 9.001	8.500	-	4.00	4-1/2 EUE	60396S**	60396HT ^Δ
10-3/4	43.5 - 53.5	8.535 - 8.755	8.250	-	4.00	4-1/2 EUE	60395S**	60395HT ^Δ
	32.75 - 51.0	9.850 - 10.192	9.625	-	4.00	4-1/2 EUE	60301**	-
11-3/4	51.0 - 65.7	9.560 - 9.850	9.312	-	4.00	4-1/2 EUE	60310**	-
	42.0 - 65.0	10.682 - 11.084	10.438	10.502 ¹	4.00	4-1/2 EUE	60311**	-
13-3/8	66.7 - 80.5	10.406 - 10.656	10.200	-	4.00	4-1/2 EUE	60311Y	-
	54.5 - 77.0	12.275 - 12.615	12.000	-	4.00	4-1/2 EUE	60313**	-
16	65.0 - 109.0	14.688 - 15.250	14.438	-	5.00	7" LTC	60316***	-
18-5/8	87.5 - 117.5	17.439 - 17.755	17.000	-	5.00	7" LTC	60318	-
20	133.0 - 169.0	18.376 - 18.730	18.000	-	5.00	7" LTC	60320	-

¹Maximum OD is across retracted drag blocks.

²Drilled for wireline.

** Designed for differential pressures up to 6,000 PSI.

*** Designed for differential pressures up to 5,000 PSI.

ΔDesigned for differential pressures up to 8,000 PSI.

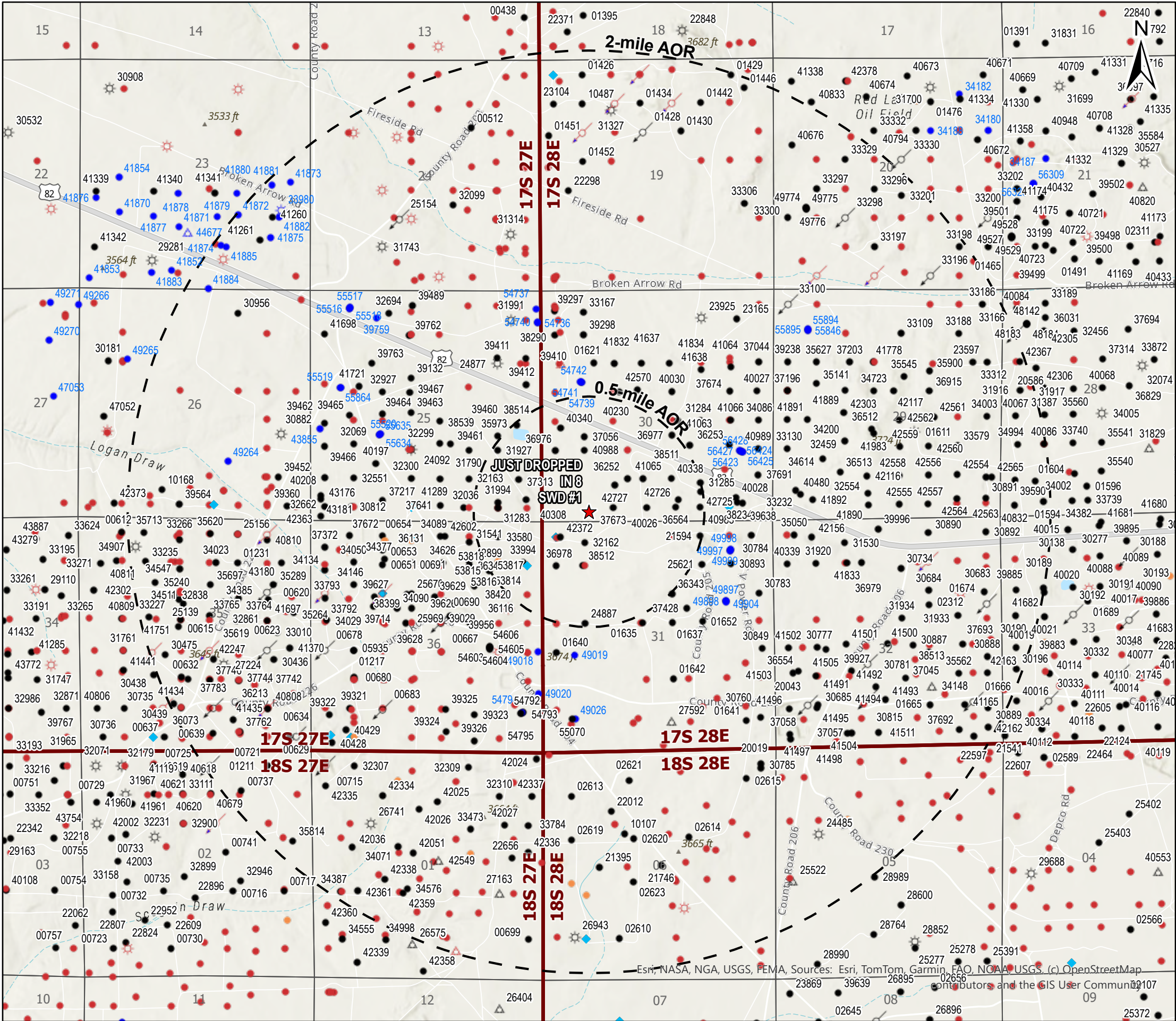
Rubber Trim Upgrade Options (additional cost, inquire with a D&L sales associate): HSN, Viton, ECNER/Aflas, ECNER/HSN, EPDM

NOTE: All pricing includes standard Nitrile trim. Other sizes, connections, and rubber options available upon request.

Attachment 2

Area of Review Information:

- 2-mile Production Review Map
- 1/2-mile AOR Well Table
- 2-mile Lease Map
- 2-mile Mineral Ownership Map
- 2-mile Surface Ownership Map
- Potash Lease Map



Legend

- ★ Proposed SWD (1)
- ☼ Gas, Active (31)
- ☼ Gas, New (1)
- ☼ Gas, Plugged (20)
- ☼ Gas, Temporarily Abandoned (1)
- ↻ Injection, Active (29)
- ↻ Injection, Plugged (16)
- Oil, Active (623)
- Oil, New (70)
- Oil, Plugged (608)
- Oil, Temporarily Abandoned (17)
- ▲ Salt Water Injection, Active (10)
- ▲ Salt Water Injection, New (1)
- ▲ Salt Water Injection, Plugged (2)
- ◆ Reclamation Fund (15)

2-mile O&G Wells AOR

JUST DROPPED IN 8 SWD #1
EDDY COUNTY, NEW MEXICO

Proj Mgr:
Reed Davis

April 30, 2025

Mapped by:
Ben Bockelmann

Prepared for:

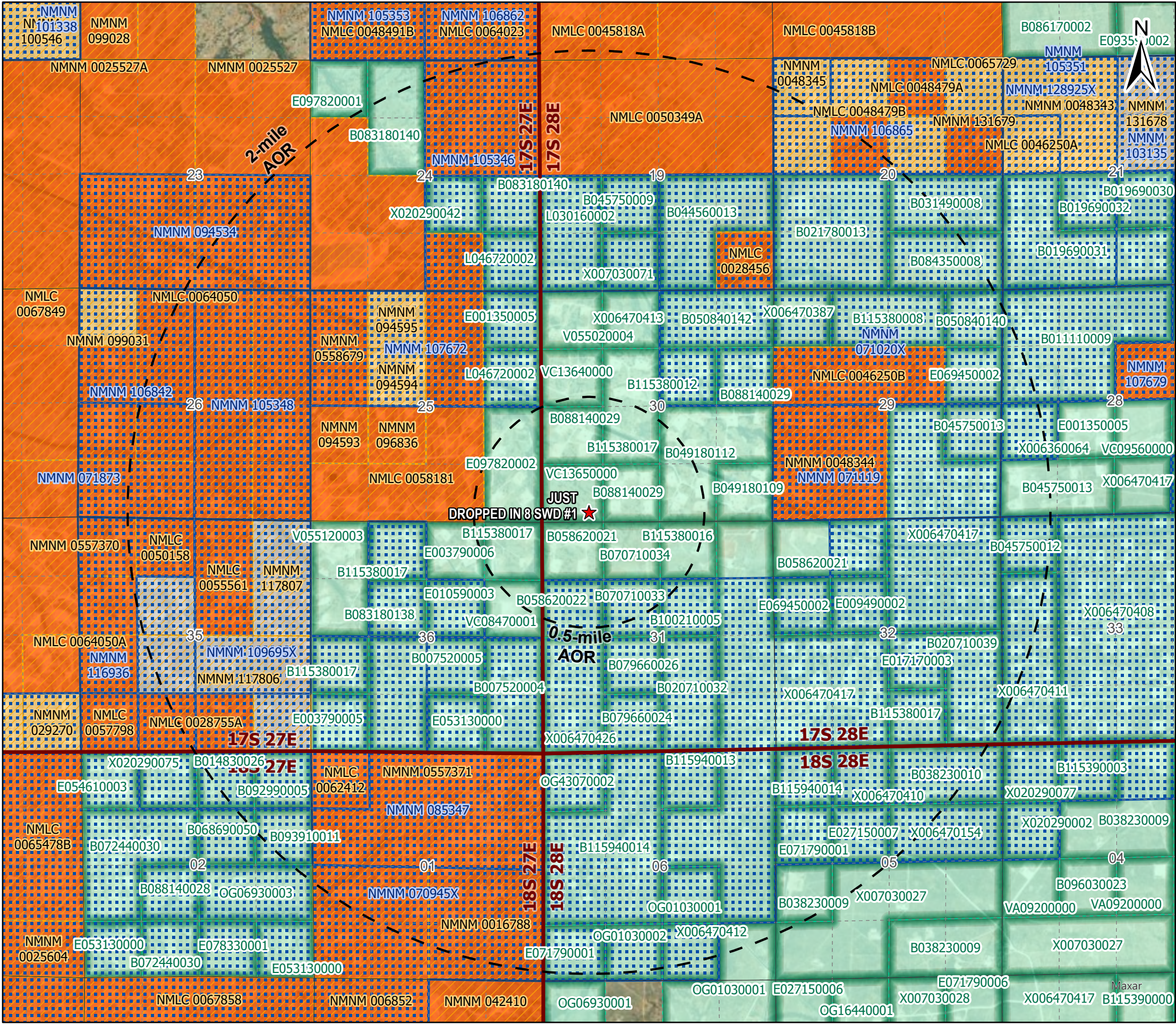


Prepared by:



AOR Tabulation for Just Dropped in 8 SWD #1 (Cisco and Canyon Formations - Injection Interval: 7,900' - 8,700'), Eddy County							
Well Name	API#	Well Type	Operator	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
Enron State #020	30-015-42372	Oil	Riley Permian Operating Co., LLC	7/5/2014	31-17S-28E	3,710'	No
State #1	30-015-01634	Oil	Aston & Fair	No Records	31-17S-28E	No Records	Most likely not
Enron State #004	30-015-32162	Oil	Riley Permian Operating Co., LLC	3/25/2003	31-17S-28E	3,460'	No
Bedingfield State #1	30-015-01645	Oil	J.E. Bedingfield	11/19/1949	31-17S-28E	1,533'	No
Enron State #016	30-015-38512	Oil	Riley Permian Operating Co., LLC	8/10/2011	31-17S-28E	3,628'	No
Enron State #015	30-015-36978	Oil	Riley Permian Operating Co., LLC	6/24/2009	31-17S-28E	3,700'	No
Hudson Saikin State #002	30-015-24887	Oil	Rover Operating LLC	6/4/1984	31-17S-28E	1,950'	No
Hudson Saikin State #001	30-015-02666	Oil	Rover Operating LLC	4/17/1948	31-17S-28E	1,860'	No
Red Lake 36A State #002	30-015-33994	Oil	Apache Corporation	3/23/2005	36-17S-28E	3,650'	No
State #13	30-015-00694	Oil	Delhi Oil Corporation	5/15/1948	36-17S-28E	1,510'	No
Red Lake 36A State #003	30-015-34379	Oil	Apache Corporation	12/9/2005	36-17S-28E	3,650'	No
Red Lake 36A State #004	30-015-35222	Oil	Apache Corporation	12/5/2006	36-17S-28E	3,650'	No
Red Lake 36A State #001	30-015-33580	Oil	Apache Corporation	9/023/2004	36-17S-28E	3,650'	No
Resler State #001	30-015-31283	Oil	Riley Permian Operating Co., LLC	9/6/2000	25-17S-28E	3,600'	No
Patterson-State #2	30-015-00602	Oil	Otis A. Roberts	10/22/1941	25-17S-28E	487'	No
State 25 #002	30-015-31994	Oil	Apache Corporation	10/15/2001	25-17S-28E	8,150'	Yes
Resler State #003	30-015-37313	Oil	Riley Permian Operating Co., LLC	1/4/2010	25-17S-28E	3,855'	No
Resler State #005	30-015-40308	Oil	Riley Permian Operating Co., LLC	5/28/2012	25-17S-28E	3,851'	No
Staley State #030	30-015-42727	Oil	Riley Permian Operating Co., LLC	11/6/2014	30-17S-28E	5,100'	No
Staley State #012	30-015-37673	Oil	Riley Permian Operating Co., LLC	5/23/2010	30-17S-28E	4,785'	No
Staley State #017	30-015-40026	Oil	Riley Permian Operating Co., LLC	3/14/2012	30-17S-28E	5,108'	No
Patterson-State #1	30-015-00601	Oil	Otis A. Roberts	10/1/1941	25-17S-28E	499'	No
State 25 #001	30-015-31927	Oil	Apache Corporation	8/7/2001	25-17S-28E	8,130'	Yes
Resler State #004	30-015-38514	Oil	Riley Permian Operating Co., LLC	3/28/2011	25-17S-28E	3,962'	No
Gates State #001	30-015-00689	Oil	LLJ Ventures LLC	7/21/1951	36-17S-27E	557'	No
Delhi State #1	30-015-01636	Oil	J.E. Bedingfield	No Records	31-17S-28E	No Records	Most likely not
Powco State #001	30-015-21594	Oil	SBKF LLC	8/27/1975	31-17S-28E	650'	No
Staley State #020	30-015-40983	Oil	Riley Permian Operating Co., LLC	3/2/2013	31-17S-28E	4,920'	No
Staley State #009	30-015-36564	Oil	Riley Permian Operating Co., LLC	12/14/2008	30-17S-28E	4,010'	No
Staley State #029	3-015-42726	Oil	Riley Permian Operating Co., LLC	11/21/2014	30-17S-28E	5,100'	No
Staley State #016	30-015-40338	Oil	Riley Permian Operating Co., LLC	7/16/2012	30-17S-28E	4,820'	No
Staley State #024	30-015-41065	Oil	Riley Permian Operating Co., LLC	6/15/2013	30-17S-28E	4,900'	No
Staley State #004	30-015-36252	Oil	Riley Permian Operating Co., LLC	6/22/2008	30-17S-28E	4,025'	No
State #1	30-015-01629	Oil	Otis A. Roberts	3/15/1942	30-17S-28E	523'	No
Staley State #008	30-015-36977	Oil	Riley Permian Operating Co., LLC	5/25/2009	30-17S-28E	4,855'	No
Delhi State #4	30-015-01624	Oil	Nix & Curtis	10/17/1952	30-17S-28E	532'	No
Staley State #026	30-015-40988	Oil	Riley Permian Operating Co., LLC	2/5/2013	30-17S-28E	4,930'	No
Staley State #006	30-015-37056	Oil	Riley Permian Operating Co., LLC	1/13/2011	30-17S-28E	4,766'	No
Staley State #011	30-015-36976	Oil	Riley Permian Operating Co., LLC	8/25/2009	30-17S-28E	4,770'	No
Staley State #019	30-015-40340	Oil	Riley Permian Operating Co., LLC	6/5/2012	30-17S-28E	4,750'	No
State #2	30-015-01627	Oil	Ployher & McNutt	9/22/1941	30-17S-28E	309'	No
Marley State Com 31 AB #005H	30-015-53814	Oil	Longfellow Energy LLP	5/31/2023	36-17S-27E	3,669' TVD	No
Marley State Com 31 AB #004H	30-015-53815	Oil	Longfellow Energy LLP	6/10/2023	36-17S-27E	4,220' TVD	No
Marley State Com 31 AB #003H	30-015-53816	Oil	Longfellow Energy LLP	6/21/2023	36-17S-27E	3,617' TVD	No
Marley State Com 31 AB #002H	30-015-53817	Oil	Longfellow Energy LLP	6/29/2023	36-17S-27E	4,195' TVD	No
Marley State Com 31 AB #001H	30-015-53818	Oil	Longfellow Energy LLP	7/9/2023	36-17S-27E	3,571' TVD	No

Casing / Plugging Information for Wells Penetrating the Just Dropped In 8 SWD #1 Injection Zone							
Well Name	Type	Set Depth	Casing Size	TOC	TOC Method Determined	Sks of Cement	Hole Size
STATE 25 #002	Surface	428'	8-5/8"	Surface	Circulation	350	12-1/4"
	Production	8,150'	5-1/2"	Surface	Circulation	1455	7-7/8"
	Perforated in the Wolfcamp Formation from 6,856'-6,979' and is producing oil and natural gas.						
STATE 25 #001	Surface	395'	8-5/8"	Surface	Circulation	300	12-1/4"
	Production	8,097'	5-1/2"	Surface	Circulation	1650	7-7/8"
	Perforated in the Wolfcamp Formation from 6,908'-6,916' and 6,992'-7,000' and is producing oil and natural gas.						



Legend

- ★ Proposed SWD
- NMSLO Mineral Leases
- BLM Communitization Units

BLM O&G Leases

Case Disposition

- Authorized
- Closed

Production Status

- Held by Actual Production
- Held by Allocated Production
- Non-Producing

1/2-mile Affected Parties AOR

- NMSLO Lessees:
- APACHE CORPORATION
 - BP AMERICA PROD CO
 - HONDO OIL & GAS CO
 - CHISOS, LTD
 - CONOCO PHILIPS CO. AND CHISOS, LTD.
 - FEDERAL ABSTRACT COMPANY
 - HCDD LLC
 - LONGFELLOW LH, LLC
 - OCCIDENTAL PERMIAN LTD
 - RUTH ANN JEFFERS-CALVERT
 - SEP PERMIAN LLC
 - ZPZ DELAWARE I LLC
- BLM Unit Operators:
- APACHE CORPORATION
- BLM Lessees:
- EOG RESOURCES INC
 - READ & STEVENS INC

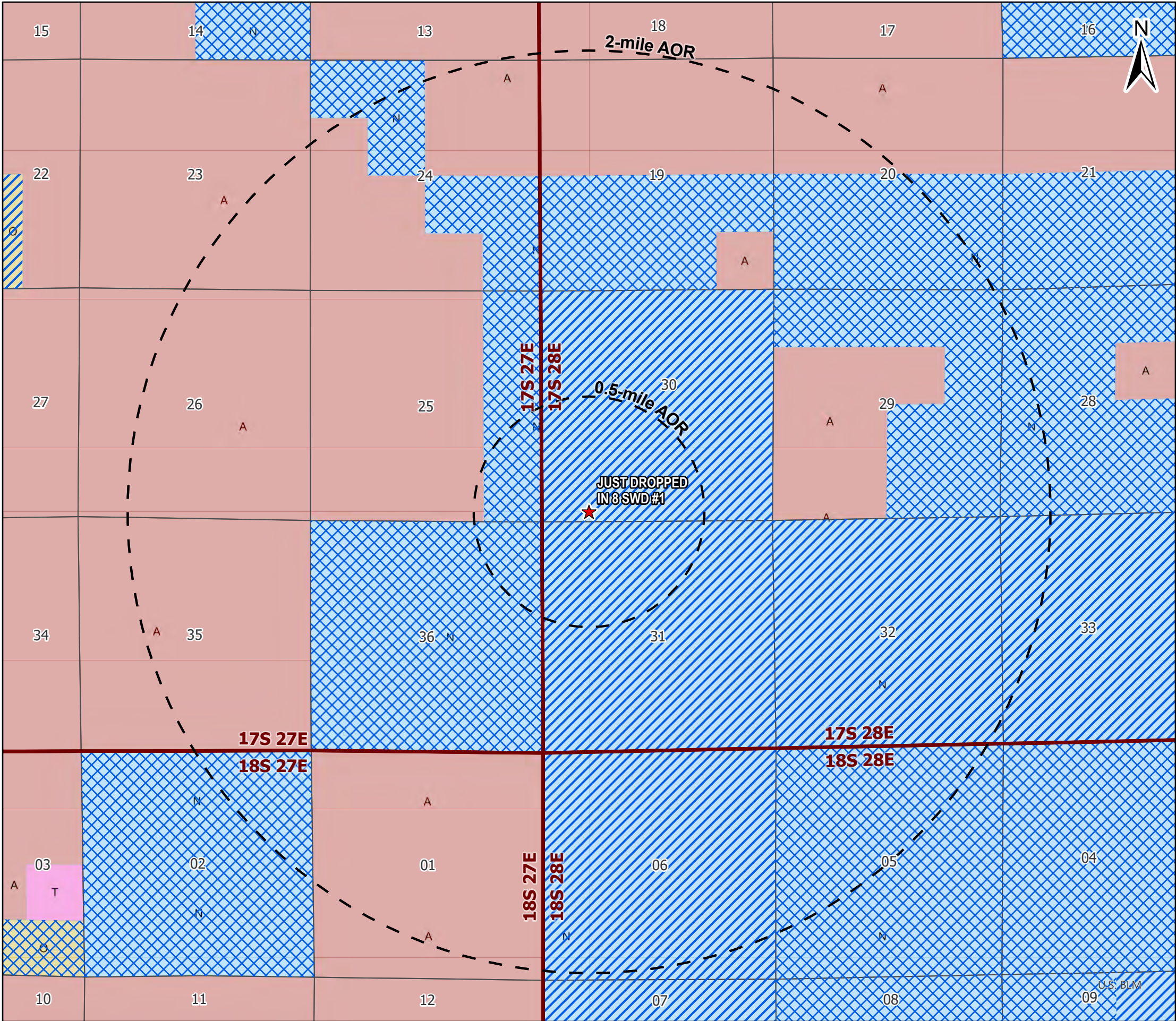
Mineral Lease AOR

JUST DROPPED IN 8 SWD #1
EDDY COUNTY, NEW MEXICO

Proj Mgr: Reed Davis	July 03, 2025	Mapped by: Ben Bockelmann
-------------------------	---------------	------------------------------

Prepared for:


Prepared by:

Legend

★ Proposed SWD

NMSLO Ownership

Subsurface

Surface and Subsurface

Mineral Ownership

A-All minerals are owned by U.S.

N-No minerals are owned by the U.S.

O-Only oil and gas are owned by the U.S.

T-Other minerals are owned by the U.S.

2-mile Mineral Ownership AOR

JUST DROPPED IN 8 SWD #1
EDDY COUNTY, NEW MEXICO

Proj Mgr:
Reed Davis

April 30, 2025

Mapped by:
Ben Bockelmann

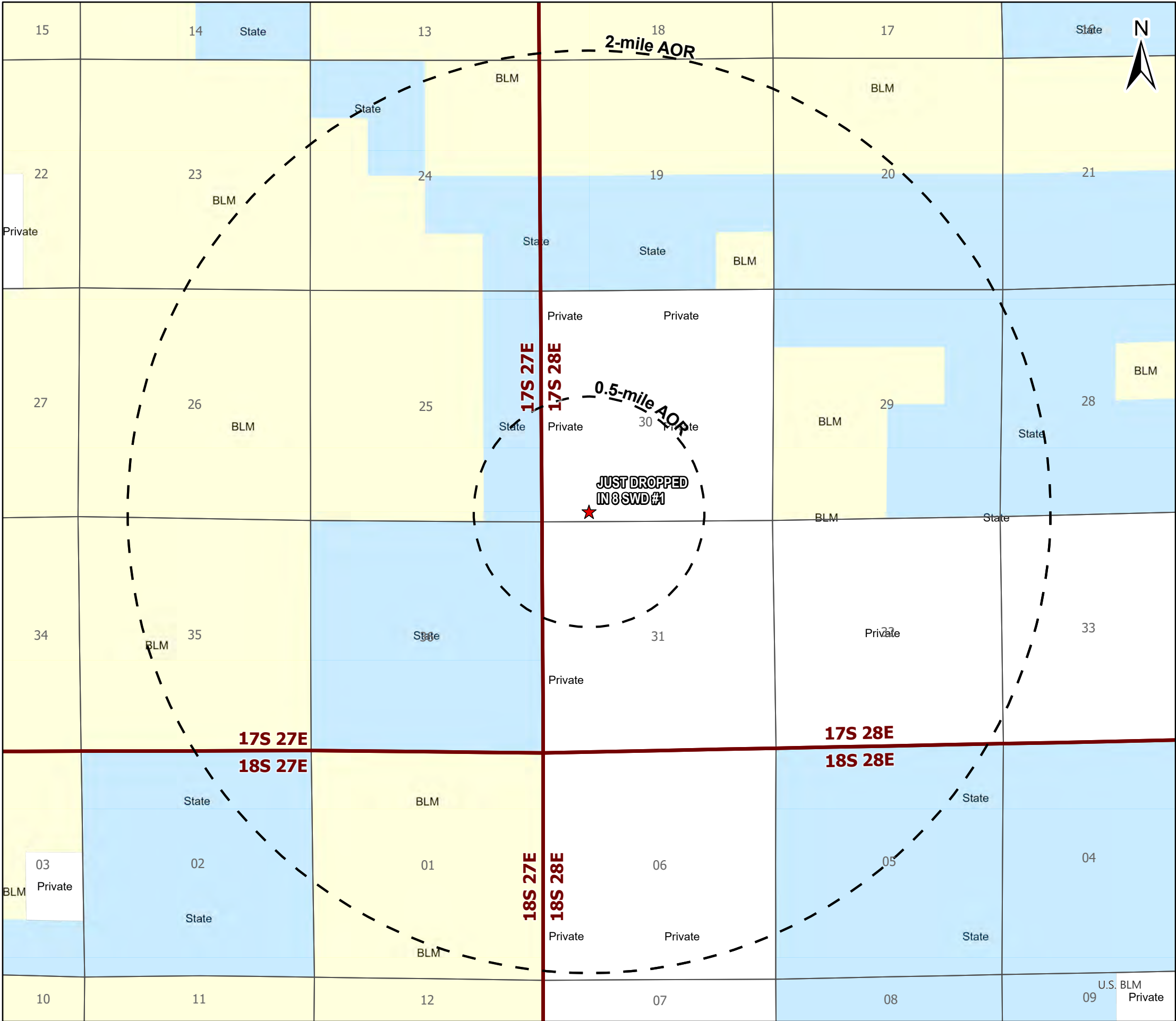
Prepared for:



Prepared by:



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



Legend

★ Proposed SWD

Land Ownership

BLM

P

S

2-mile Surface Ownership AOR

JUST DROPPED IN 8 SWD #1
EDDY COUNTY, NEW MEXICO

Proj Mgr:
Reed Davis

April 30, 2025

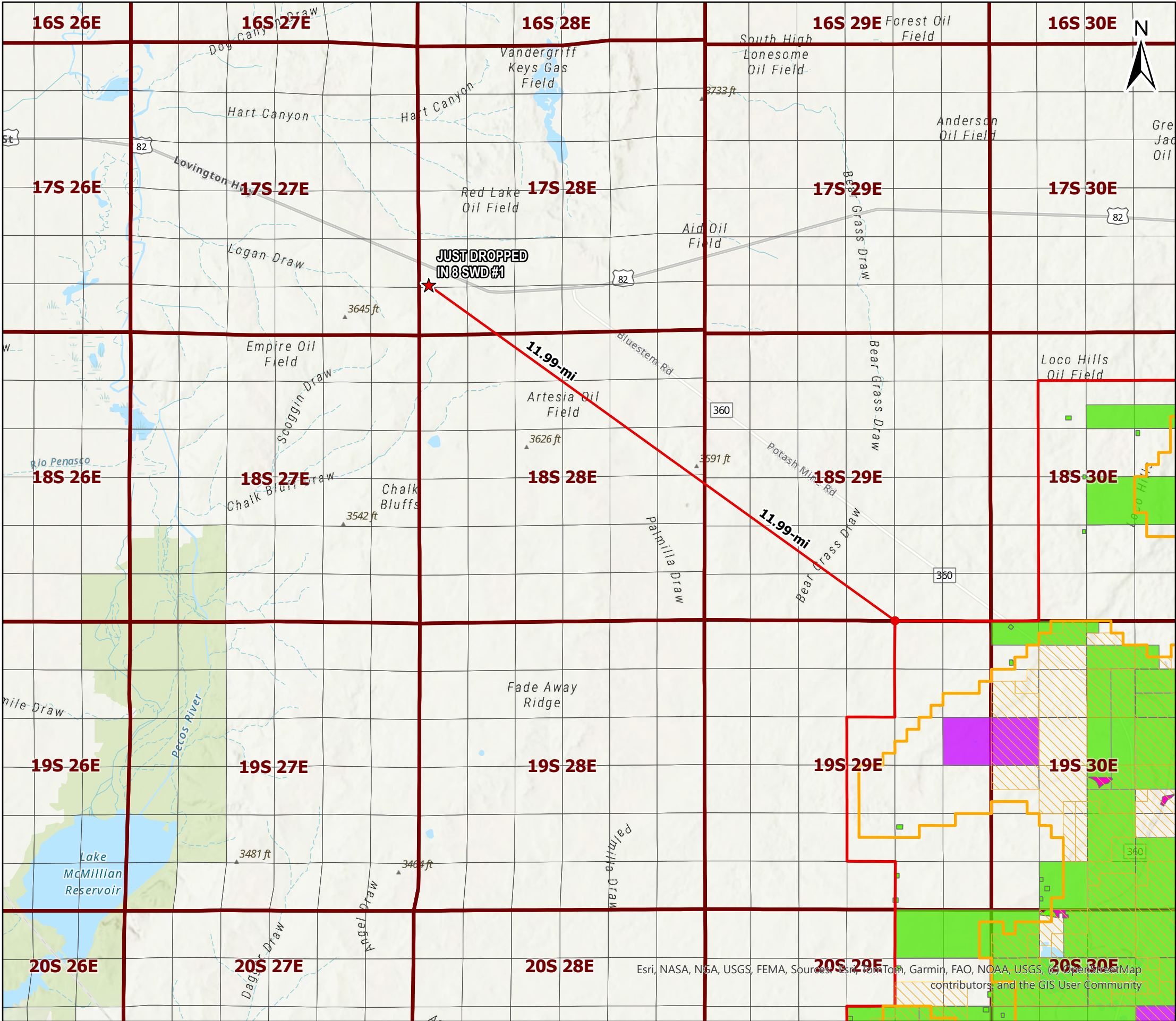
Mapped by:
Ben Bockelmann

Prepared for:



Prepared by:





Legend

- ★ Proposed SWD
- Known Potash Leasing Area
- Intrepid and Mosaic Potash Leases
- SOPA 1986

Drill Islands - 2025-04-04

Status, Depth Buffer

- Approved, Half Mile
- Approved, Quarter Mile

Development Areas- 2025-04-04

Status

- Approved
- Pending

Potash Lease AOR

JUST DROPPED IN 8 SWD #1
EDDY COUNTY, NEW MEXICO

Proj Mgr:
Reed Davis

April 30, 2025

Mapped by:
Ben Bockelmann

Prepared for:



Prepared by:



Attachment 3

Source Water Analysis

Just Dropped In 8 State SWD #1 - Source Water Analysis (Abo, Avalon, Bone Spring, Delaware, Drinkard, Glorieta, Yeso Group)																		
Well Name	API	Latitude	Longitude	Formation	Tds (mg/L)	Sodium (mg/L)	Calcium (mg/L)	Iron (mg/L)	Barium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Strontium (mg/L)	Manganese (mg/L)	Chloride (mg/L)	Carbonate (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	H2S (mg/L)
STIRLING #001	3001521528	32.7651634	-104.3199997	GLORIETA/YESO	214,915.00	91,205.60	2,602.59	13.64	1.71	578.73	818.64	50.03	-	144,232.00	-	470.72	4,385.41	28.43
WASHINGTON 33 STATE #024	3001530334	32.7846756	-104.1882248	GLORIETA/YESO	206,471.00	88,542.10	1,928.93	2.27	0.45	482.80	368.06	40.90	-	137,940.00	-	504.38	4,741.66	-
STATE S 19 #015	3001530917	32.8178444	-104.1109848	YESO	215,197.00	91,651.30	2,632.16	0.80	0.11	492.32	501.42	51.17	-	144,157.00	-	409.32	4,784.50	14.78
STATE S 19 #014	3001530944	32.8192024	-104.1088333	YESO	212,361.00	90,572.30	2,346.56	3.19	0.06	629.31	410.82	36.42	-	142,111.00	-	944.54	4,613.45	91.04
ONYX PWU 29 #007H	3001541380	32.6295242	-104.1062012	BONE SPRING 1ST SAND	-	109,466.00	2,731.00	-	-	609.00	-	-	-	174,338.00	-	549.00	440.00	-
EMERALD PWU 20 #009H	3001542946	32.65103299	-104.1049809	BONE SPRING 3RD SAND	106,365.60	34,602.30	4,236.20	19.10	-	736.00	-	-	-	64,934.70	-	-	702.50	-
CONNIE C STATE #002	3001502301	32.6337662	-104.1241302	DELAWARE	55,498.00	-	-	-	-	-	-	-	-	32,420.00	-	601.00	984.00	-
GREEN B #008	3001503183	32.7991562	-104.0980453	ABO	29,400.00	-	-	-	-	-	-	-	-	13,700.00	-	2,520.00	2,800.00	-
USA MALCO REF D #003	3001500854	32.7638474	-104.2641525	ABO	71,856.00	-	-	-	-	-	-	-	-	42,290.00	-	319.00	2,303.00	-
EMPIRE ABO UNIT #011N	3001500856	32.7647781	-104.265213	ABO	23,470.00	-	-	-	-	-	-	-	-	12,030.00	-	1,132.00	1,877.00	-

Attachment 4

Injection Formation Water Analysis

Just Dropped In 8 State SWD #1 - Injection Formation Water Analysis (Cisco, Canyon, or "Pennsylvanian" formations)																		
Well Name	API	Latitude	Longitude	Formation	Tds (mg/L)	Sodium (mg/L)	Calcium (mg/L)	Iron (mg/L)	Barium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Strontium (mg/L)	Manganese (mg/L)	Chloride (mg/L)	Carbonate (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	H2S (mg/L)
WINDMILL ATI STATE #001	3000563223	33.0134239	-104.1337509	PENNSYLVANIAN	52,006.50	-	1,680.00	-	-	851.20	-	-	-	31,950.00	-	195.00	50.00	-
COMPROMISE SWD #001	3001525665	32.7204971	-104.3120422	PENNSYLVANIAN	67,392.70	24,637.20	2,028.60	0.63	2.10	305.55	143.85	235.20	-	41,650.30	-	969.15	789.60	-
C.R.MARTIN #003	3001500227	32.7378578	-104.358017	PENNSYLVANIAN	50,546.00	-	-	-	-	-	-	-	-	29,610.00	-	660.00	966.00	-
BLEVINS IK COM #001	3001522287	32.7962227	-104.3586426	PENNSYLVANIAN	63,351.80	-	5,400.00	60.00	-	11,783.30	-	-	-	44,910.00	-	390.00	12.50	-
CHAPARRAL ST #002	3001503612	32.6227493	-104.1034851	PENNSYLVANIAN	6,420.00	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAYBURG DEEP UNIT #001	3001504187	32.8364372	-104.0131989	PENNSYLVANIAN	32,640.00	-	-	-	-	-	-	-	-	-	-	-	-	-
SANTA FE LAND SWD #001	3001520501	32.6587677	-104.3975983	CANYON	205,234.00	85,895.70	3,669.45	0.34	0.57	552.75	455.14	57.89	-	137,681.00	-	454.00	4,173.40	-
LAKEWOOD AQE STATE SWD #001	3001522233	32.633419	-104.4233398	CANYON	-	-	960.00	2.50	-	243.50	-	-	-	17,892.00	-	952.00	2,175.00	160.00
Note: Riley Permian agrees to collect one formation water sample for analysis prior to commencing commercial injection operations, given that no Cisco or Canyon data addressing H2S, cations, and anions is available within 1/2-mile.																		
Sampling results will be electronically provided to NMOCD within 30-days of analysis.																		

Attachment 5

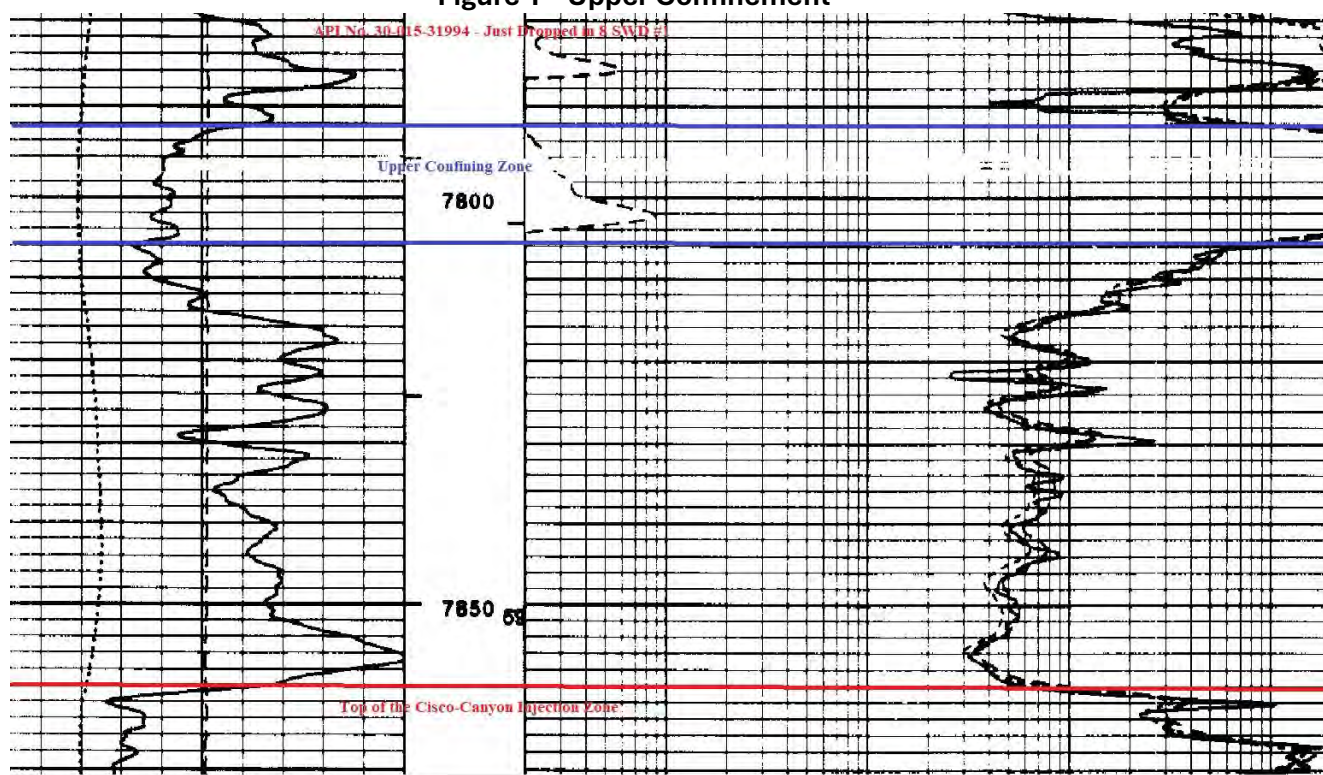
Reservoir Characterization

Reservoir Characterization at the Just Dropped In 8 SWD #1**1. Injection Formation and Confinement****a. Injection Formation**

The proposed injection interval includes the Cisco and Canyon formations from 7,900' – 8,700'. The Permian-aged Cisco and Canyon formations consist primarily of carbonate rocks composed of limestones, dolomites, and some alternating shales. These rocks have secondary porosity and permeability development, indicating these formations are viable injection targets.

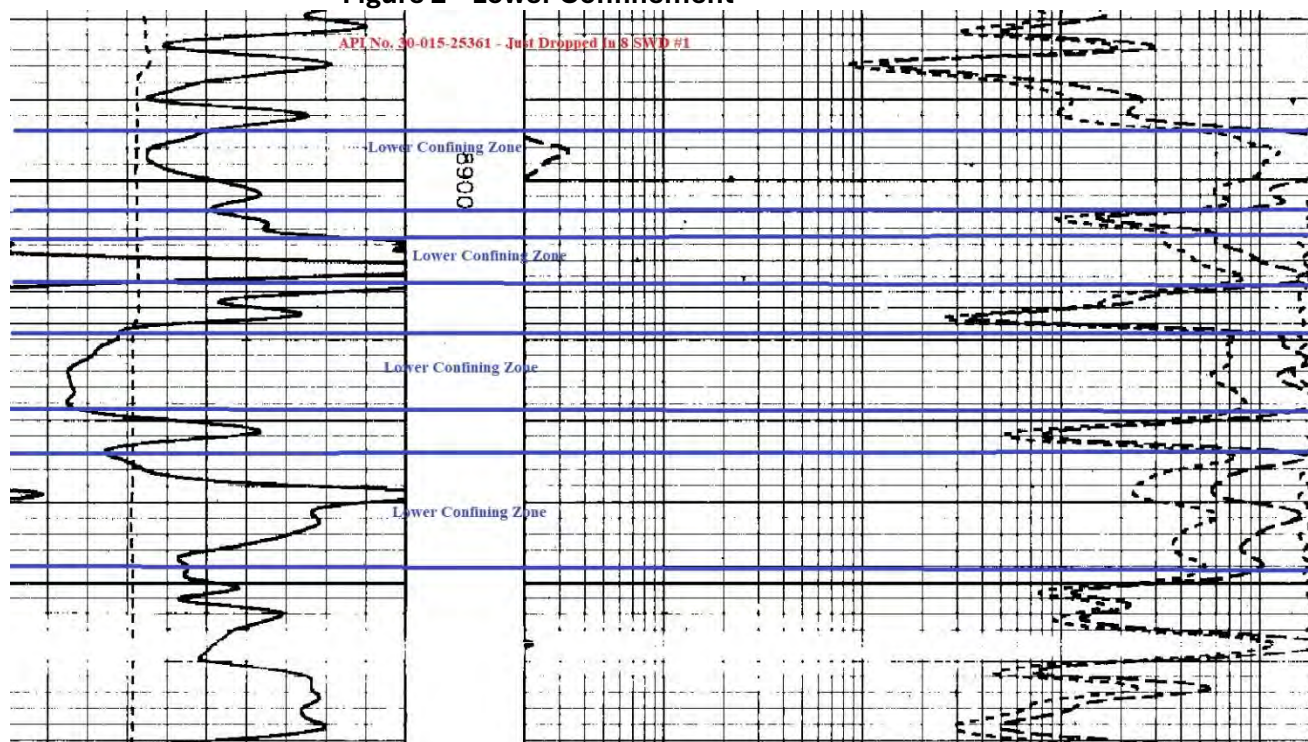
b. Upper Confinement

Nearby open hole geophysical well logs indicate the proposed Cisco-Canyon injection zone is overlain by at least 16 feet of tight shales within Wolfcamp Formation, which will prevent the upward migration of fluids and act as the upper confining layer.

Figure 1 – Upper Confinement**c. Lower Confinement**

Nearby open hole geophysical well logs indicate the proposed Cisco-Canyon injection interval is underlain by approximately 44 feet of low porosity and low permeability rocks within the lower Canyon Formation, which will prevent the downward migration of fluid and act as the lower confining layer.

Figure 2 – Lower Confinement



2. Historic Field Usage

a. Offset Production

A review of all wells in the NMOCD database within a 2-mile radius of the Just Dropped In 8 SWD #1 does not show any historic or current hydrocarbon production from the Cisco-Canyon formations.

b. Commercial Water Sources

A review of all wells in the NMOCD and OSE databases within a 2-mile radius of the Just Dropped In 8 SWD #1 does not show any historic or current commercial water supply sources from the Cisco-Canyon formations.

c. Enhanced Oil Recovery

A review of all wells in the NMOCD database within a 2-mile radius of the Just Dropped In 8 SWD #1 does not show any historic or current enhanced oil recovery operations utilizing the overlying Wolfcamp Formation or in the Cisco-Canyon formations.

d. Additional OCD Exhibit 11a Requirements

No Acid Gas Injection wells are located within 3-miles of the proposed Just Dropped In 8 SWD #1.



RILEY PERMIAN OPERATING COMPANY LLC – EASY FEELING 10 STATE SWD #1, THE MAN IN ME 7 SWD #1, AND JUST DROPPED IN 8 SWD #1 RESPONSES TO HIGH-RISK KARST AREAS

Introduction

ALL Consulting (ALL) has determined by the New Mexico Oil Conservation Division (OCD) that the proposed locations of Riley Permian Operating Company LLC's (Riley Permian) Easy Feeling 10 State SWD #1, The Man in Me 7 SWD #1, and Just Dropped in 8 SWD #1 Class II saltwater disposal (SWD) well applications are within the area OCD has designated as high-risk karst. **Figure 1** is the location of the proposed SWDs. OCD has requested that ALL include additional information within these applications to address OCD's concerns with the high-risk karst area. This additional information needs to include:

1. An explanation on how ALL determined the deepest underground sources of drinking water (USDW);
2. An evaluation of the geology to determine that there was no direct evidence of surface karst features in the immediate area;
3. Provide an affirmative statement that the proposed well designs and confining zones will protect the USDWs; and
4. Provide a detailed description of both the upper and lower confining zones above and below the proposed injection interval in the Cisco Formation.

Karst in Southeastern New Mexico

ALL has reviewed more recently published geologic publications on the Capitan Reef Complex and karst areas in southeastern New Mexico and then also examined the well completion records and the closest open hole geophysical logs to the proposed Easy Feeling 10 State, The Man in Me 7 SWD #1, and Just Dropped In 8 SWD #1 well locations. Anthropogenic sinkholes in the Permian evaporite beds of southeastern New Mexico are often associated with historic oilfield development due to improperly cased oil and water supply wells and salt-solution mining activity (Land 2013). Manmade sinkholes are caused by the dissolution of the evaporite beds in the Upper Permian formations that contain evaporite deposits by introduction of freshwater, undersaturated brine fluids, or groundwater into the evaporite beds. **Figure 2** shows the location of these sinkholes in southeastern New Mexico. Naturally occurring sinkholes are often associated with upward migration of groundwater flow from karstic aquifers of regional extent that underlie the Permian evaporite deposits (Land 2013).

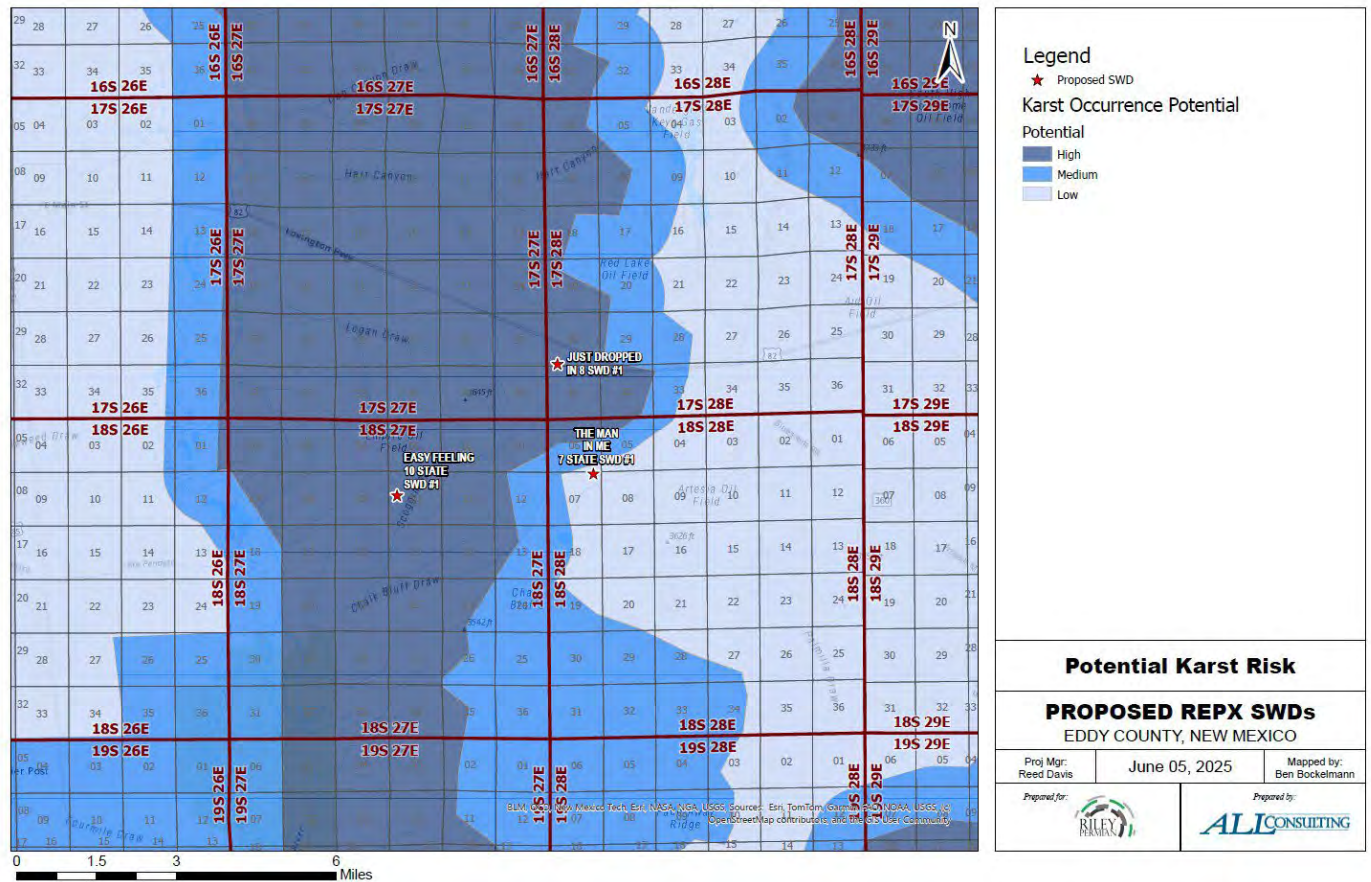


Figure 1. Map Showing the Proposed Locations of the Riley Permian SWDs

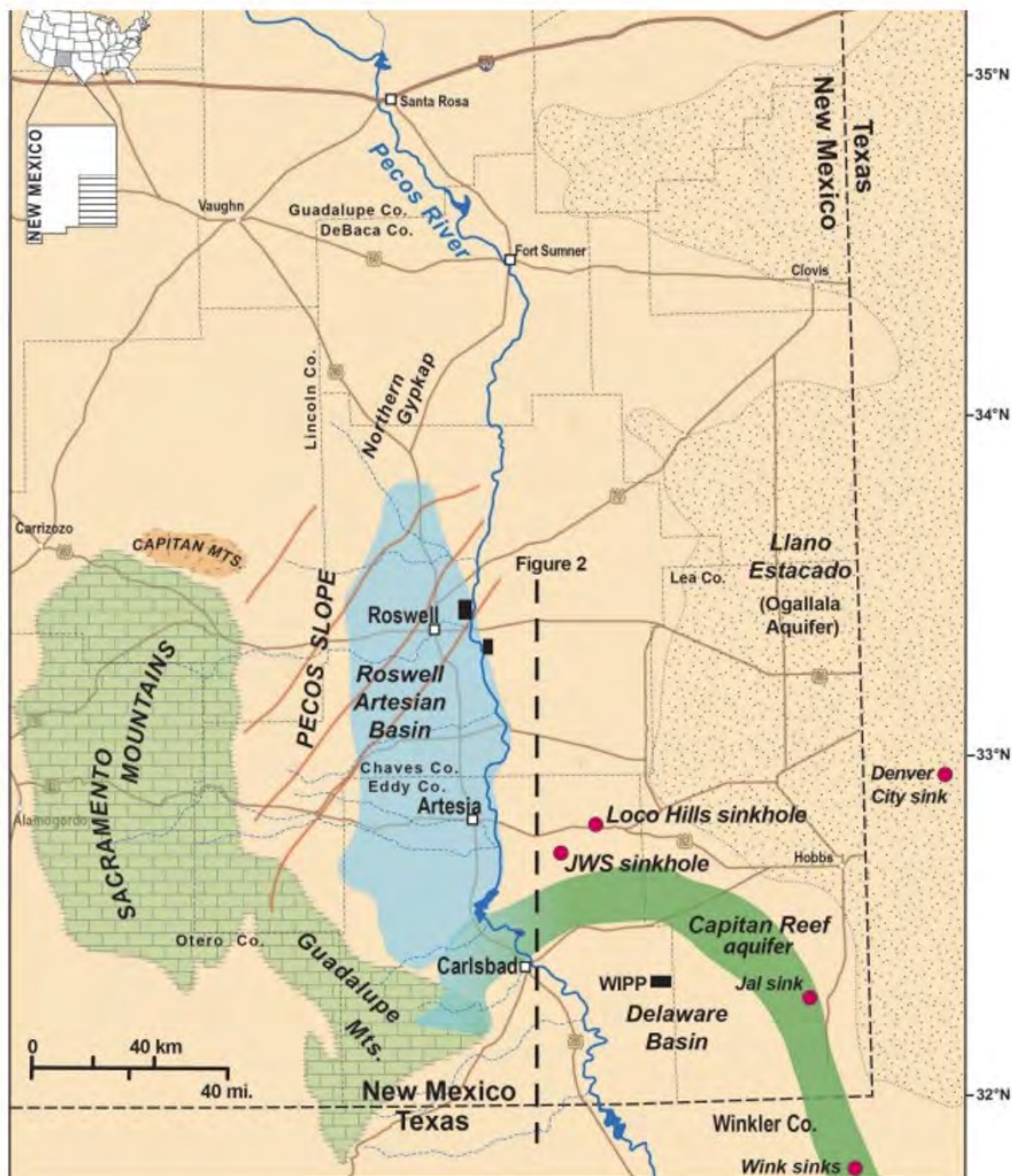


Figure 2. Regional Map of the Lower Pecos Region of Southeastern New Mexico Showing Location of Sinkholes (Land 2013)

Surface and Shallow Subsurface Geology of the Proposed SWD Locations

The surficial and shallow geology in the Chalk Bluff Draw and Logan Draw area may be either the Rustler Formation or on the surface the Chalk Bluff Formation and in the subsurface the Three Twins member (equivalent to Tansill and Yates formations), Seven Rivers gypsiferous member, and Queen member of the Whitehorse Group and occurs within the Mescalero Pediment (Hendrickson and Jones, 1952). **Figure 3** is a snip of this surficial geologic map showing the proposed SWD locations in relation to the surface geologic formations.

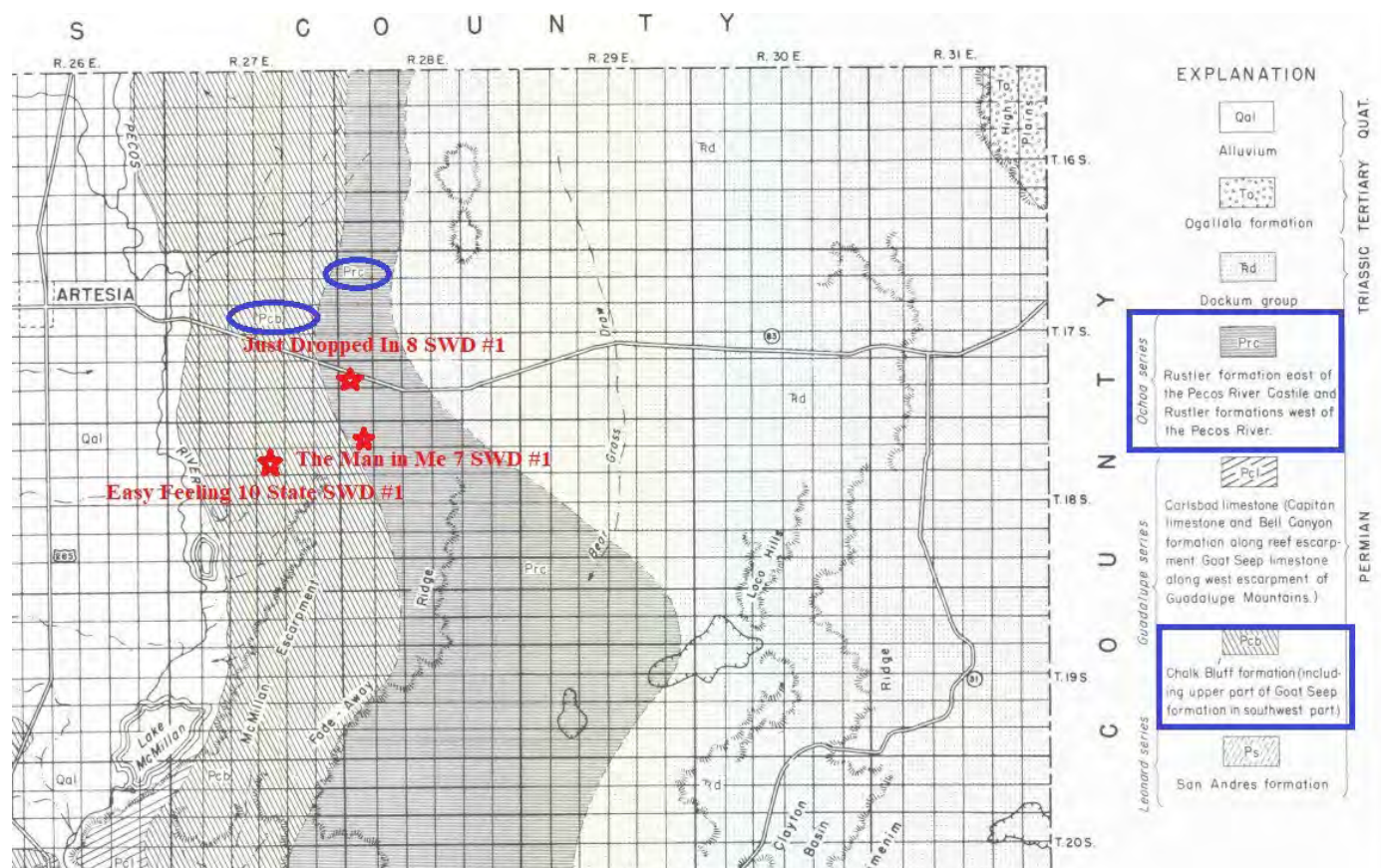


Figure 3. Map Showing the Location of the Proposed SWDs in Relation to the Surficial Geology in the Permian Formations (Hendrickson and Jones, 1952)

Additionally, ALL evaluated and assessed the shallow geology in the area by reviewing open hole geophysical logs. Well API No. 015-42372, which is located approximately 0.12 miles southwest of the Just Dropped In 8 SWD #1 location, has a shallow gamma ray-neutron log section and ALL has identified the shallow subsurface geologic formations on this log snip in **Figure 4**.

The Yates Formation consists of about 300 feet of alternating beds of sandstone and dolomite in the carbonate facies and about the same thickness of gypsum, red clay, silt, and sandstone in the evaporite facies (Cox 1967). The Yates Formation yields water to stock wells near the Pecos

River between Lake McMillan and Lake Avalon and most of these stock wells are in the evaporite facies of the Yates Formation (Cox 1967). Underlying the Yates Formation is the Seven Rivers Formation. The Seven Rivers Formation consists of about 300 feet of dolomite with a few sandy beds in the carbonate facies and anhydrite, gypsum, red silt, and clay in the evaporite facies between the uppermost sandstone in the Queen Formation and the basal sandstone of the Yates Formation (Cox 1967). Groundwater moves through solution channels and groundwater flow direction is towards the Pecos River (Hendrickson and Jones, 1952).

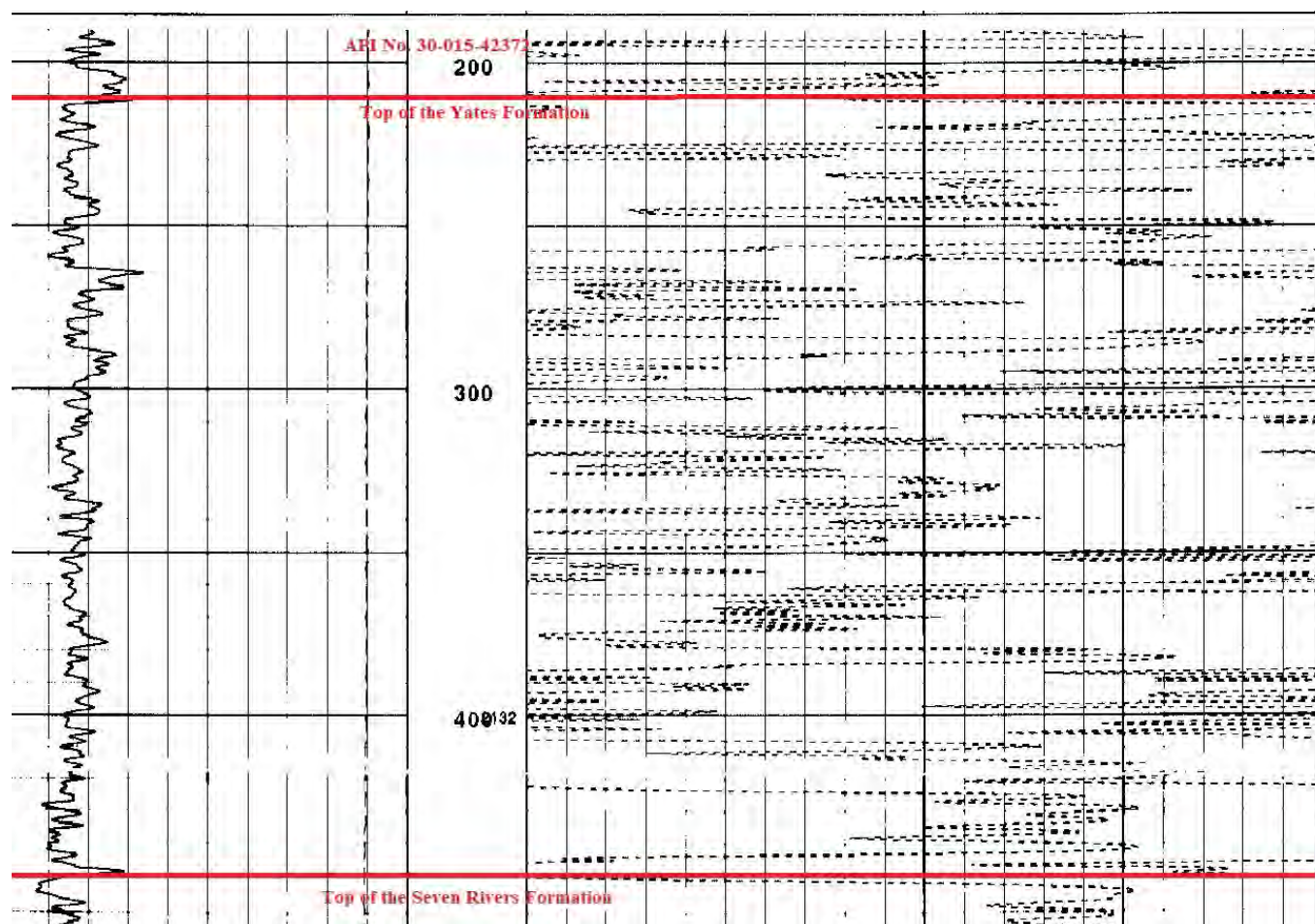


Figure 4. Gamma Ray Geophysical Log from Well API No. 015-42372 Showing the Tops of the Shallow Subsurface Formations

Addressing OCD's High-Risk Karst Area Concerns

Based on ALL's extensive geologic and hydrogeologic evaluation of the Chalk Bluff Draw and the Logan Draw areas and the Easy Feeling 10 State SWD #1, The Man in Me 7 SWD #1, and Just Dropped In 8 SWD #1 proposed well locations, below are ALL's responses to these OCD concerns.

1. An explanation on how ALL determined the deepest underground sources of drinking water (USDW).
 - a. **ALL determined the base of the USDW after geological and hydrogeological analysis and evaluation of several open hole geophysical logs and publications within the vicinity of the proposed SWDs. Based on ALL's analysis, the base of the USDW will be the bottom of the Yates Formation and using the ground elevations of the proposed SWDs the base of the USDW will be approximately 425 to 450 feet below the surface. ALL is proposing that Riley Permian set surface casing to a depth of 450 feet and cement back to the surface to ensure isolation of the base of the USDW.**
2. An evaluation of the geology to determine that there was no direct evidence of karst features in the immediate area.
 - a. **ALL performed an extensive geologic and hydrogeologic assessment of potential high-risk karst in the immediate area of the proposed SWDs in the between the Chalk Bluff Draw and Logan Draw. Based on the evaluation of published geologic and hydrogeologic reports and maps, the immediate area of the proposed SWDs does not seem to be in the direct area of karst development. Additionally, ALL assessed Google Earth and scanned the immediate area for any evidence of active or inactive surface sinkholes and Figure 5 shows the approximate locations of the proposed SWDs and existing karst features. Based on ALL's research, the Main in Me 7 SWD #1 has the possibility of encountering karst. If during the drilling into the Yates or Seven River formations, circulation is lost due to dissolution of evaporites or solution channels, a drilling mud program may be implemented along with the utilization of lost circulation material (LCM) as needed.**
3. Provide an affirmative statement that the proposed well designs and confining zones will protect the USDW.
 - a. **ALL's proposed well construction and cementing plans for the Man in Me 7 SWD #1 and Just Dropped in 8 SWD #1 will provide multiple layers of protection of the USDW from the injection zone in the Cisco-Canyon formations. The surface casing will be below the base of the USDW and cemented back to the surface. An intermediate casing string set at approximately 3,200 feet and cemented back to the surface and then the production casing will be set through the proposed injection interval in the Cisco-Canyon formations and cemented back in two stages up into the intermediate casing string for at least 200 feet. The well construction and cementing plan provides for three layers of isolation and protection of the USDW from any possible migration of injection fluids out of the proposed injection interval. There are multiple confining zones in both shale and in low porosity and low permeable carbonate rocks which will prevent upward migration of injected fluids. Additionally, there is at least 7,550 of vertical separation between the top of the Cisco Formation and the base of the**

USDW. There is no hydrologic connection between the Cisco-Canyon injection zone and the USDW.

- b. ALL's proposed well construction and cementing plans for the Easy Feeling 10 State SWD #1 will provide multiple layers of protection of the USDW from the injection zone in the Lower Wolfcamp-Cisco-Canyon formations. The surface casing will be below the base of the USDW and cemented back to the surface. An intermediate casing string set at approximately 3,200 feet and cemented back to the surface and then the production casing will be set through the proposed injection zone in the Lower Wolfcamp-Cisco-Canyon formations and cemented back in two stages up into the intermediate casing string for at least 200 feet. The well construction and cementing plan provides for three layers of isolation and protection of the USDW from any possible migration of injection fluids out of the proposed injection interval. There are multiple confining zones in both shale and in low porosity and low permeable carbonate rocks which will prevent upward migration of injected fluids. Additionally, there is at least 6,960 of vertical separation between the top of the of the Lower Wolfcamp Formation and the base of the USDW. There is no hydrologic connection between the Lower Wolfcamp-Cisco-Canyon injection zone in the Easy Feeling 10 State SWD #1 and the USDW or the Cisco-Canyon injection zones and the USDW in the other two SWDs.**
- 4. Provide a detailed description of both the upper and lower confining zones above and below the proposed injection interval in the Lower Wolfcamp-Cisco-Canyon formations.**
 - a. There are multiple low porosity zones that will serve as upper confinement above the top of the proposed injection zone in the Lower Wolfcamp-Cisco-Canyon formations for the Easy Feeling 10 State SWD #1 (Figure 6). Additional confining zones can be located farther above these zones on this open hole geophysical log for API No. 30-015-34171. There is lower confinement with shale beds at the base of the Cisco Formation (Figure 7) and with the low porosity and low permeability carbonate rocks directly below the Cisco Formation in the upper part of the Strawn Formation, which is also labeled on Figure 7. Both upper and lower confining zones will act as barriers to fluid flow out of the permitted Lower Wolfcamp- Cisco-Canyon formations injection zone in the Easy Feeling 10 State SWD #1 or the Cisco-Canyon injection zones in the Man in Me 7 SWD #1 or Just Dropped in 8 SWD #1 proposed SWDs.**



Figure 5. Map Showing the Location of the Proposed SWDs in Relation to Existing Karst Features in the Area

References

- Cox, E.R. 1967. "Geology and Hydrology Between Lake McMillan and Carlsbad Springs Eddy County, New Mexico." U.S. Geological Survey Water Supply Paper 1828, <https://pubs.usgs.gov/wsp/1828/report.pdf> (accessed June 9, 2022).
- Hendrickson, G.E. and Jones, R.S. 1952. "Geology and Ground-Water Resources of Eddy County, New Mexico." State Bureau of Mines and Mineral Resources of New Mexico, Institute of Mining & Technology, Ground-Water Report 3, <https://geoinfo.nmt.edu/publications/water/gw/3/GW3.pdf>. (accessed June 4, 2025).;
- Land, Lewis. 2013. "Evaporite Karst in the Permian Basin Region of West Texas and Southeastern New Mexico: The Human Impact." 13th Sinkhole Conference, NCKRI Symposium 2, www.researchgate.net/publication/313021019 (accessed June 9, 2022).

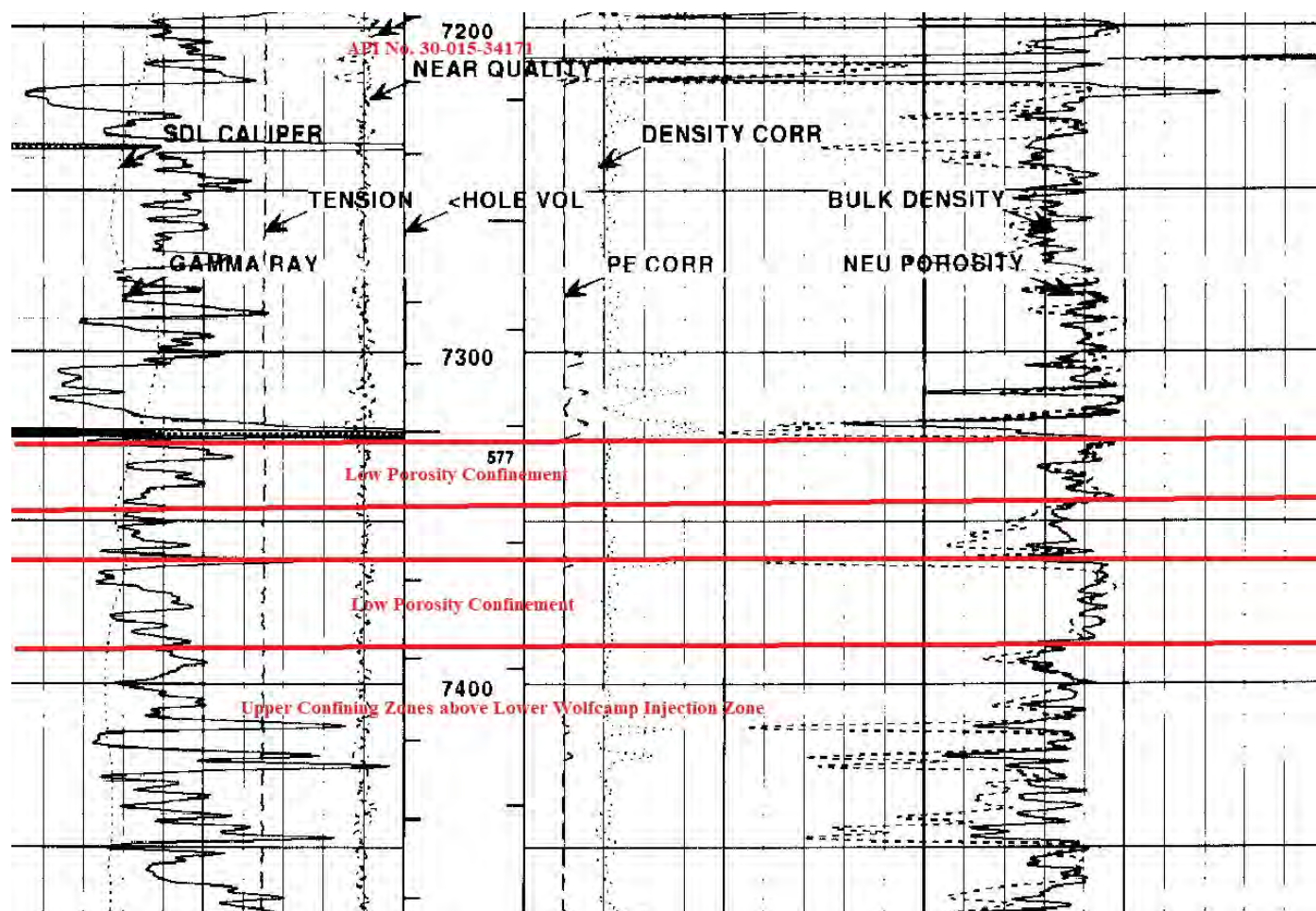


Figure 6. Open Hole Geophysical Log of API No. 30-015-34171 Showing the Upper Confining Zones for the Proposed Lower Wolfcamp – Cisco - Canyon Formation SWDs

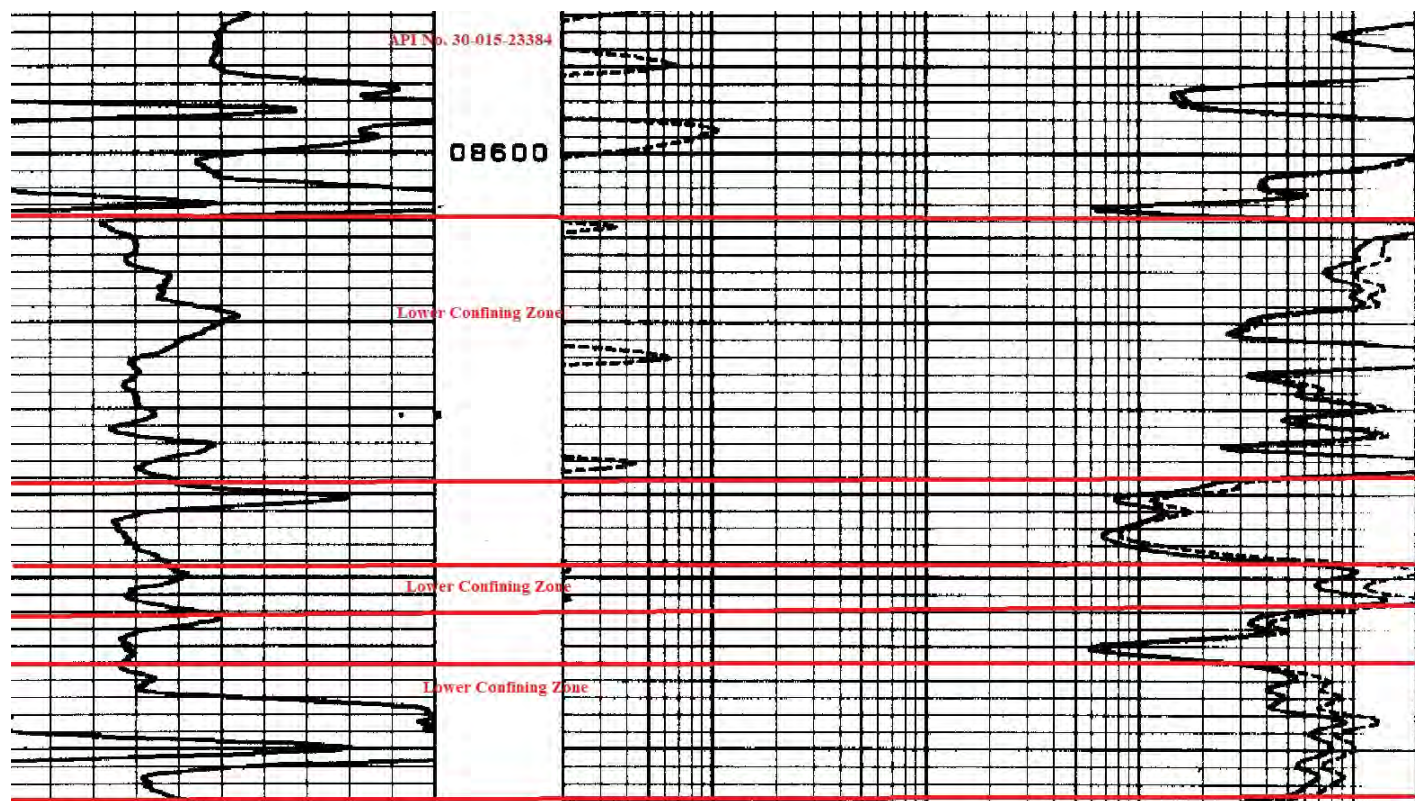


Figure 7. Lower Confining Zones at the Base of the Cisco-Canyon Formations in the Open Hole Geophysical Log for API No. 30-015-23384

Thomas Tomastik

September 12, 2025

Thomas Tomastik

Date

Chief Geologist and Regulatory Specialist

Certified Petroleum Geologist #6354

ALL Consulting, LLC

Attachment 6

Induced Seismicity Assessment Letter



September 12, 2025

PN 1912.SWD.03

Mr. Phillip Goetze, P.G.
NM EMNRD – Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: **Riley Permian Operating Company, LLC
Just Dropped In 8 SWD #1 - Seismic Potential Letter**

Dear Mr. Goetze,

At the request of Riley Permian Operating Company, LLC (Riley), ALL Consulting, LLC (ALL) has assessed the potential injection-induced seismicity risks in the vicinity of Spur's Just Dropped In 8 SWD #1, a saltwater disposal (SWD) facility in Eddy County, New Mexico, and summarized the findings in this letter. This assessment used publicly available data to identify the proximity and characteristics of seismic events and known faults to evaluate the potential for the operation of the Just Dropped In 8 SWD #1 to contribute to seismic activity in the area.

Geologic Evaluation

The Just Dropped In 8 SWD #1 is requesting a permit to inject into the Cisco and Canyon formations (Cisco-Canyon) at a depth of 7,900' – 8,700' feet below ground surface (bgs). The Pennsylvanian Cisco-Canyon consists of interbedded carbonate rocks including dolomites and limestones. The proposed injection interval is overlain approximately 16 feet of tight shales within the Wolfcamp Formation which will act as the upper confining layer (see **Reservoir Characterization Section of C-108**). Additionally, the proposed injection interval is underlain by approximately 44 feet of various low porosity and permeability zones within the lower Cisco-Canyon will prevent downward migration. A stratigraphic chart depicting the geologic setting is included as **Figure 1**.¹

¹ Yang, K.-M., & Dorobek, S. L. (1995). The Permian Basin of west Texas and New Mexico: Tectonic history of a "composite" Foreland Basin and its effects on stratigraphic development. *Stratigraphic Evolution of Foreland Basins*, 149–174. <https://doi.org/10.2110/pec.95.52.0149>

Riley Permian Operating Company, LLC
Just Dropped In 8 SWD #1 Seismic Potential Letter
September 12, 2025

Seismic Events and Fault Data

A review of United States Geological Survey (USGS) and New Mexico Tech Seismological Observatory (NMTSO) earthquake catalogues determined that the closest recorded seismic event was a M1.75 that occurred on May 26th, 2021, and was located approximately 2.31 miles south of the Just Dropped In 8 SWD #1 (see **Attachment 1**). **Per the USGS earthquake catalog, no seismic events M2.5 or greater have been recorded within 10 miles of the Just Dropped In 8 SWD #1.**

Fault data from United States Geological Survey (USGS) and the Texas Bureau of Economic Geology (BEG)² indicates that the closest known fault is located approximately 8.19 miles south/southeast of the Just Dropped In 8 SWD #1 (see **Attachment 1**). This identified fault is within the Precambrian basement, which is approximately 4,300' feet below the proposed injection interval.³ **One Precambrian basement fault was identified within 10 miles of the Just Dropped In 8 SWD #1.** A map of the seismic events and faults within 10 miles of the Just Dropped In 8 SWD #1 is included as **Attachment 1**.

**Figure 1 – Delaware Basin Stratigraphic Chart
(Adapted from Yang and Dorobek 1995)**

SYSTEM	SERIES/ STAGE	CENTRAL BASIN PLATFORM	DELAWARE BASIN
PERMIAN	OCHOAN	DEWEY LAKE RUSTLER SALADO	DEWEY LAKE RUSTLER SALADO CASTILE
	GUADALUPIAN	TANSILL YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETA CLEAR FORK WICHITA	DELAWARE MT GROUP BELL CANYON CHERRY CANYON BRUSHY CANYON
	LEONARDIAN		BONE SPRING
	WOLFCAMPIAN	WOLFCAMP	WOLFCAMP
PENNSYLVANIAN	VIRGILIAN	CISCO	CISCO
	MISSOURIAN	CANYON	CANYON
	DESMOINESIAN	STRAWN	STRAWN
	ATOKAN	ATOKA	ATOKA
MISSISSIPPIAN	MORROWAN	(ABSENT)	MORROW
	CHESTERIAN MERAMECIAN OSAGEAN KINDERHOOKIAN	CHESTER MERAMEC OSAGE KINDERHOOK WOODFORD DEVONIAN	CHESTER MERAMEC OSAGE KINDERHOOK WOODFORD DEVONIAN
DEVONIAN			
SILURIAN		SILURIAN SHALE FUSSELMAN	MIDDLE SILURIAN FUSSELMAN
ORDOVICIAN	UPPER	MONTOYA	SYLVAN MONTOYA
	MIDDLE	SIMPSON	SIMPSON
	LOWER	ELLENBURGER	ELLENBURGER
CAMBRIAN	UPPER	CAMBRIAN	CAMBRIAN
PRECAMBRIAN			

Seismic Potential Evaluation

Experience in evaluating induced seismic events indicates that most injection-induced seismicity throughout the U.S. (e.g., Oklahoma, Ohio, Texas, New Mexico, and Colorado) occurs as a result of injection into Precambrian basement rock, into overlying formations that are in hydraulic communication with the Precambrian basement rock, or as a result of injection near critically stressed and optimally oriented faults. Seismicity at basement depths occurs because critically stressed faults generally originate in crystalline basement rock and may also extend into overlying sedimentary formations.⁴

² Horne E. A. Hennings P. H., and Zahm C. K. 2021. Basement structure of the Delaware Basin, in The Geologic Basement of Texas: A Volume in Honor of Peter Flawn, Callahan O. A., and Eichubl P., The University of Texas at Austin, Bureau of Economic Geology.

³ G. Randy Keller, J. M. Hills & Rabah Djeddi, A regional geological and geophysical study of the Delaware Basin, New Mexico and West Texas, Trans Pecos Region (West Texas) (1980).

⁴ Ground Water Protection Council and Interstate Oil and Gas Compact Commission. *Potential Injection-Induced Seismicity Associated with Oil & Gas Development: A Primer on Technical and Regulatory Considerations Informing Risk Management and Mitigation*. 2015. 141 pages.

Riley Permian Operating Company, LLC
Just Dropped In 8 SWD #1 Seismic Potential Letter
September 12, 2025

Injection into either the Precambrian basement rock or its overlying formations that are hydraulically connected to the basement rock through faulting or fracture networks can increase the pore pressure and may lead to the fault slipping, resulting in a seismic event.⁴ As such, the vertical distance between the injection formation and Precambrian basement rock and the presence or lack of faulting within the injection interval are major considerations when determining the risk of injection-induced seismicity.

Per the NMTSO seismic catalog, the nearest reported event was a M1.75 which occurred on May 25, 2021, at 5.00 km depth. The default reported depth of 5.00 km indicates the seismic network in the area is not dense enough to accurately report hypocenter depths. Based on the proximity to a seismic response area, it is likely that the nearest events occurred in the Precambrian basement far below the proposed injection interval.

Depth to Precambrian Basement

Geophysical data from nearby well records, aeromagnetic surveys, and gravity surveys indicates the top of the Precambrian Basement to be approximately 13,000 feet bgs at the Just Dropped In 8 SWD #1, or approximately 4,300 feet below the proposed injection interval.³ **There are insufficient Precambrian basement penetrations and/or public well data regarding Precambrian basement depth to generate an accurate structural contour map of the Precambrian basement in the vicinity of the Just Dropped In 8 SWD #1.**

Formation Parting Pressure

Class II SWDs in New Mexico are administratively permitted with a maximum pressure gradient of 0.2 psi/ft. Review of New Mexico Oil Conservation Division (NMOCD) Order IPI-547 from a nearby Canyon SWD, located approximately 14.5 miles southwest of the Just Dropped In 8 SWD #1, determined the fracture gradient of the Canyon Formation in the region to be approximately 0.256 psi/ft based on approved step-rate testing. Typical SWD permitting standards in New Mexico would indicate that formation parting pressure will not be exceeded by the Just Dropped In 8 SWD #1.

Conclusion

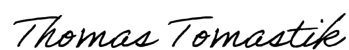
As experts on the issue of induced seismicity, seismic monitoring, and mitigation, it is our expert opinion that the potential for the Just Dropped In 8 SWD #1 to cause injection-induced seismicity is expected to be minimal, at best. This conclusion assumes the Just Dropped In 8 SWD #1 will be operated under formation parting pressure and is based on (1) the presence of numerous confining layers above and below the proposed injection interval, (2) the significant vertical and lateral distance between the proposed injection interval and Precambrian basement rock in which the nearest fault has been identified, and (3) the lack of historic shallow seismicity in proximity to the Just Dropped In 8 SWD #1.

Sincerely,
ALL Consulting

Riley Permian Operating Company, LLC
Just Dropped In 8 SWD #1 Seismic Potential Letter
September 12, 2025

A handwritten signature in black ink, appearing to read 'Reed Davis'.

Reed Davis
Geophysicist

A handwritten signature in black ink, appearing to read 'Thomas Tomastik'.

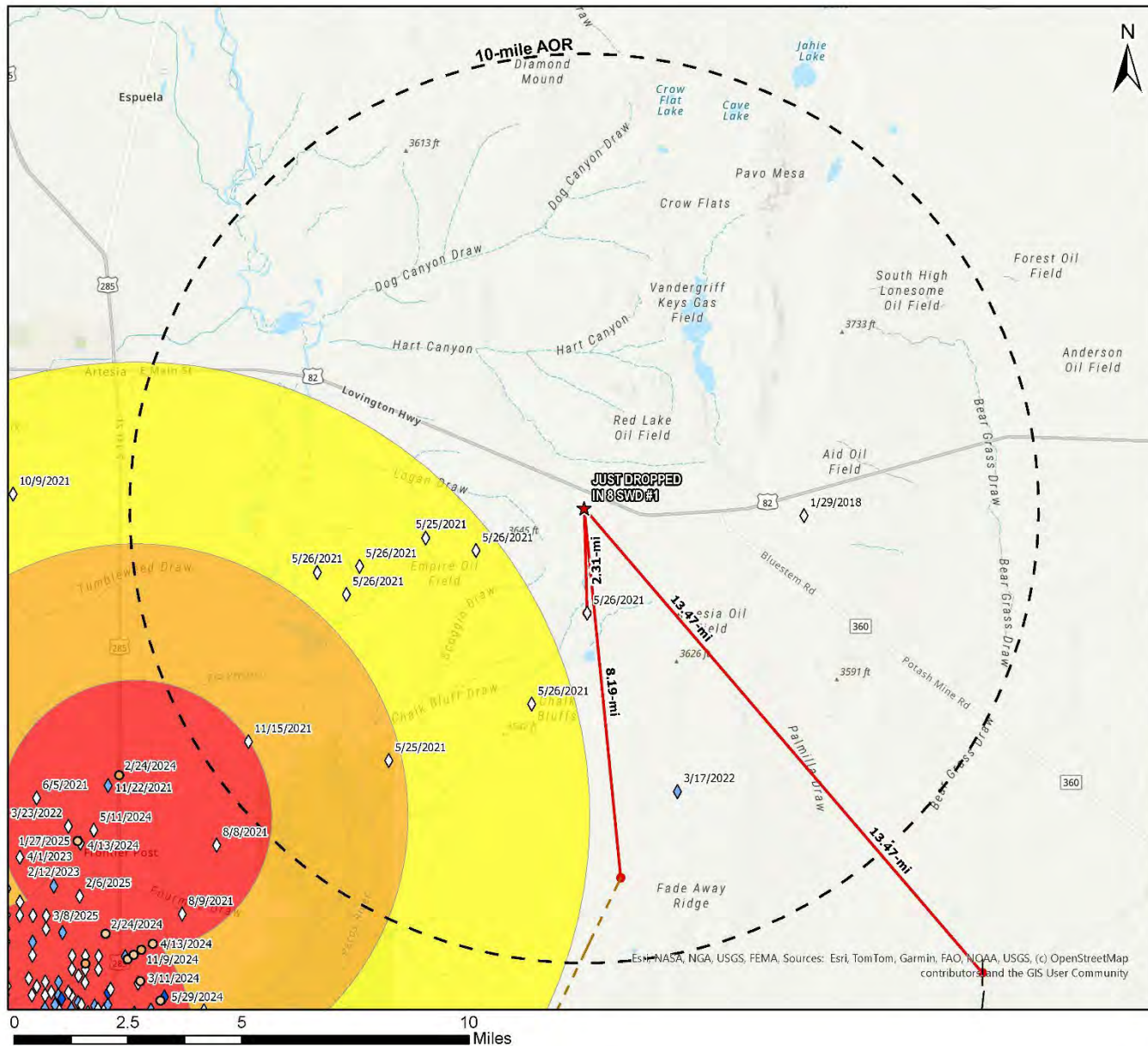
Thomas Tomastik
Chief Geologist

Riley Permian Operating Company, LLC
Just Dropped In 8 SWD #1 Seismic Potential Letter
September 12, 2025

Attachment 1
Seismic Event Map

Riley Permian Operating Company, LLC
Just Dropped In 8 SWD #1 Seismic Potential Letter
September 12, 2025

Just Dropped In 8 SWD #1 Nearby Seismic Events and Faults



Legend

- ★ Proposed SWD
- Stress Orientations (Lund, Snee, Zoback 2020)
- Indicator, Quality
- Wellbore, A (2)
- Shallow Faults (0)
- Deep Faults (1)
- USGS Seismic Events - 8/20/2025
- Magnitude
 - 0.0 - 2.0 (0)
 - 2.1 - 3.0 (7)
 - 3.1 - 4.0 (3)
 - 4.1 - 5.4 (0)
- NMTSO Seismic Events - 9/11/2025
- Magnitude
 - ◇ 0 - 2.0 (69)
 - ◇ 2.1 - 3.0 (19)
 - ◇ 3.1 - 4.0 (4)
 - ◇ 4.1 - 4.5 (0)
- Seismic Response 3.5 and above
 - 3 mi.
 - 6 mi.
 - 10 mi.

Seismic Analysis AOR

JUST DROPPED IN 8 SWD #1 EDDY COUNTY, NEW MEXICO

Proj Mgr:
Reed Davis

September 11, 2025

Mapped by:
Ben Bockelmann

Prepared for:



Prepared by:



Attachment 7

Water Well Map and Well Data



Legend

★ Proposed SWD (1)

OSE Water PODs

POD Status

- Active (1)
- Pending (1)
- Changed Location of Well (0)
- Inactive (0)
- Capped (0)
- Plugged (0)
- Unknown (1)

1-mile Water Well AOR

JUST DROPPED IN 8 SWD #1
EDDY COUNTY, NEW MEXICO

Proj Mgr:
Reed Davis

April 30, 2025

Mapped by:
Ben Bockelmann

Prepared for:



Prepared by:



Just Dropped In 8 SWD #1 - Water Well Sampling Rationale					
Water Wells	Owner	Available Contact Information	Use	Sampling Required	Notes
RA-13536-POD1	HF Sinclair Navajo Refining	Case Hinkins Case.Hinkins@hfsinclair.com	Monitoring Well	Yes	Contacted 9/12/2025
LWD-03213-POD1	Bogle Farms	Scott Bogle 575-734-5442	Livestock Watering	No	Well not equipped with pump

Attachment 8

No Hydrologic Connection Statement



RE: Riley Permian Operating LLC – Just Dropped In 8 SWD #1 application, Eddy County, New Mexico – No Hydrologic Connection Statement

ALL Consulting LLC (ALL) has performed a thorough hydrologic investigation related to the one saltwater disposal well (SWD) listed above. The investigation was conducted to determine if there were any existing or potential connections between the proposed injection zones in the Cisco-Canyon formations and the deepest underground source of drinking water (USDW).

ALL performed an assessment and analysis of the subsurface geophysical log data along with published documents on the groundwater in this vicinity of Eddy County, New Mexico. The surficial geology is Quaternary alluvial deposits consisting predominantly of sand and caliche and the Rustler Formation or the Chalk Bluff Formation of the Whitehorse Group. In this area the depths to potable water for stock and domestic supplies are less than 250 feet below the surface. The USDW is the Yates Formation and the base of the USDW ranges from 425 to 450 feet below the surface.

Based on ALL's assessment and analysis there is containment through multiple confining zones above the proposed Cisco-Canyon injection zones and the USDW and over 7,450 feet of vertical separation between the base of the USDW and the top of the injection interval. Additionally, there is no evidence of faults that would allow for communication between the USDW and Cisco-Canyon injection zones.

June 20, 2025

Tom Tomastik

Date

Chief Geologist and Regulatory Specialist

ALL Consulting LLC

Attachment 9

List of Affected Persons and Proof of Notice

JUST DROPPED IN 8 STATE SWD #1 - NOTICE OF APPLICATION RECIPIENTS							
LEASE ID	ENTITY	ADDRESS	CITY	STATE	ZIP	Certified Mailing ID (from initial notification)	INTEREST RELATIONSHIP
N/A	NEW MEXICO BUREAU OF LAND MANAGEMENT	620 E GREENE ST.	CARLSBAD	NM	88220	9414 8111 0549 5889 4613 52	SURFACE AND MINERAL OWNER
N/A	NEW MEXICO OIL CONSERVATION DISTRICT 1	1625 N. FRENCH DRIVE	HOBBS	NM	88240	9414 811105495889 4650 08	NMOCD DISTRICT OFFICE
N/A	COMMISSION OF PUBLIC LANDS - STATE LAND OFFICE	310 OLD SANTE FE TRAIL	SANTE FE	NM	87501	9414 8111 0549 5889 4832 79	SURFACE AND MINERAL OWNER
NMNM 070945X	APACHE CORPORATION	2000 W SAM HOUSTON PKWY S STE 200 ONE BRIARLAKE PLAZA	HOUSTON	TX	77042	9414 8111 0549 5889 4901 47	BLM UNIT OPERATOR
B070710033 E097820002	APACHE CORPORATION	2000 POST OAK BLVD STE 100	HOUSTON	TX	77056-4400	9414 811105495889 4940 22	NMSLO LESSEE
B100210005	BP AMERICA PROD CO & HONDO OIL & GAS CO	PO BOX 3092	HOUSTON	TX	77001	9414 811105495889 4974 29	NMSLO LESSEE
B115380016	CHISOS, LTD.	1331 LAMAR ST	HOUSTON	TX	77010	9414 811105495889 4294 75	NMSLO LESSEE
B115380017	CONOCO PHILLIPS CO. AND CHISOS, LTD.	PO BOX 2197	HOUSTON	TX	77363-2197	9414 811105495889 4247 53	NMSLO LESSEE
NMLC 0058181	EOG RESOURCES INC	1111 BAGBY ST SKY LOBBY 2	HOUSTON	TX	77002	9414 8111 0549 5889 4281 33	BLM LESSEE
VC13640000	FEDERAL ABSTRACT COMPANY	PO BOX 2288	SANTE FE	NM	87501	9414 811105495889 4266 96	NMSLO LESSEE
VC13650000	HCDD LLC	600 E. LAS COLINAS BLVD.	IRVING	TX	75039	9414 811105495889 4680 30	NMSLO LESSEE
B058620022 B070710034	LONGFELLOW LH, LLC.	8115 PRESTON ROAD	DALLAS	TX	75225	9414 8111 0549 5889 4666 23	NMSLO LESSEE
B058620021	OCCIDENTAL PERMIAN LTD	PO BOX 4294	HOUSTON	TX	77210-4294	9414 811105495889 4847 64	NMSLO LESSEE
NMLC 0058181	READ & STEVENS INC	300 N MARIENFELD ST, STE 1000	MIDLAND	TX	79701	9414 811105495889 4856 93	BLM LESSEE
E003790006	RUTH ANN JEFFERS-CALVERT	PO BOX 65	ARTESIA	NM	88211	9414 811105495889 482111	NMSLO LESSEE
VC08470001	SEP PERMIAN LLC	9655 KATY FREEWAY	HOUSTON	TX	77024	9414 8111 0549 5889 4888 78	NMSLO LESSEE
B049180112 B088140029	ZPZ DELAWARE I LLC	2000 POST OAK BLVD	HOUSTON	TX	77056	9414 8111 0549 5889 4862 63	NMSLO LESSEE
Note: The affected parties above received notification of this C-108 application. BLM Unit Operators and Lessee information was retrieved from BLM MLRS (https://mlrs.blm.gov/s/). NMSLO Lessee information retrieved from NMOCD Operator Search (https://wwwapps.emnrd.nm.gov/OCD/OCDPermitting/Operators/Search/OperatorSearch.aspx).							

APPLICATION FOR AUTHORIZATION TO INJECT

NOTICE IS HEREBY GIVEN: That **Riley Permian Operating Company LLC, (OGRID No. 372290), 29 E. Reno, Suite 500, Oklahoma City, OK 73104**, 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: Just Dropped In 8 SWD #1
Located 10.4 miles southeast of Artesia, NM
Lot 4, Section 30, Township 17S, Range 28E
223' FSL & 1,081' FWL
Eddy County, NM

NAME AND DEPTH OF DISPOSAL ZONE: Cisco-Canyon (7,900' – 8,700')
EXPECTED MAXIMUM INJECTION RATE: 10,000 Bbls/day
EXPECTED MAXIMUM INJECTION PRESSURE: 1,580 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 Reed Davis at 918-382-7581.

Affidavit of Publication

No. 63070

State of New Mexico

Publisher

County of Eddy:

Adrian Hedden

being duly sworn, says that he is the

Publisher

of the Artesia Daily Press, a weekly newspaper of General
circulation, published in English at Artesia,
said county and state, and that the hereto attached

Legal Ad

was published in a regular and entire issue of the said
Artesia Daily Press, a weekly newspaper duly qualified
for that purpose within the meaning of Chapter 167 of
the 1937 Session Laws of the state of New Mexico for
1 Consecutive weeks/day on the same
day as follows:

First Publication September 18, 2025

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Seventh Publication

Eighth Publication

Subscribed and sworn before me this

18th day of September 2025

LATISHA ROMINE
Notary Public, State of New Mexico
Commission No. 1076338
My Commission Expires
05-12-2027



Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:**APPLICATION FOR AUTHORIZATION TO INJECT**

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Located 10.4 miles southeast
of Artesia, NM
Lot 4, Section 30, Township
17S, Range 28E
223 FSL & 1,081 FWL
Eddy County, NM

NAME AND DEPTH OF DISPOSAL ZONE: Cisco Canyon
(7,900 8,700)

EXPECTED MAXIMUM INJECTION RATE: 10,000
Bbls/day

EXPECTED MAXIMUM INJECTION PRESSURE: 1,580 psi
(surface)

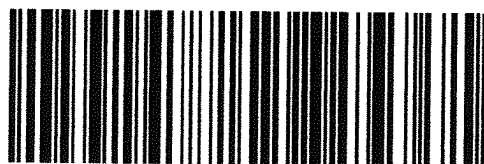
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Additional information may be obtained by contacting Reed Davis at 918-382-7581.

63070-Published in Artesia Daily Press Sept. 18, 2025.

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HOUSTON TX 77010-3016

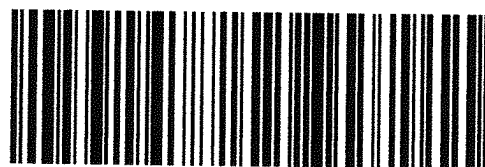
\$8.86⁰
JS POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com



063S0001443220

LTING
YENNE AVE
4119

CERTIFIED MAIL®



9414 8111 0549 5889 4940 22

APACHE CORPORATION
2000 POST OAK BLVD STE 100
HOUSTON TX 77056-4400

\$8.86⁰
US POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com



063S0001443192

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YENNE AVE
74119

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9414 8111 0549 5889 4901 47

APACHE CORPORATION
ONE BRIARLAKE PLAZA
2000 W SAM HOUSTON PKWY S STE
HOUSTON TX 77056-4400

\$8.86⁰
JS POSTAGE IMI
FIRST-CLASS
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063S0001443221

ALL CONSULTING
Received by QCD: 9/29/2025 9:44:54 AM
1718 S. CHEYENNE AVE
TULSA OK 74119

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Page 58 of 79

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Stamps.com



9414 8111 0549 5889 4974 29

BP AMERICA PROD CO & HONDO OIL & GAS CO
PO BOX 3092
HOUSTON TX 77253-3092

ALL CONSULTING
1718 S. CHEYENNE AVE
TULSA OK 74119

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9414 8111 0549 5889 4247 53

\$8.860
US POSTAGE IMI
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FROM 74119
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CONOCO PHILLIPS CO AND CHISO LTD
PO BOX 2197
HOUSTON TX 77252-2197

ALL CONSULTING
1718 S. CHEYENNE AVE
TULSA OK 74119

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9414 8111 0549 5889 4281 33

\$8.860
US POSTAGE IMI
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FROM 74119
09/11/2025
Stamps.com



EOG RESOURCES
SKY

1111 BAGBY ST

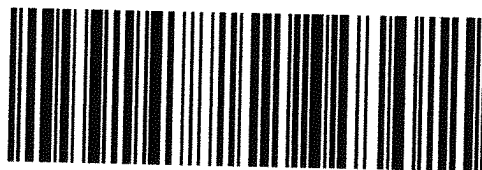
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CONSULTING
S. CHEYENNE AVE
A OK 74119

\$8.860
US POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com



0639001443177



9414 8111 0549 5889 4266 96

FEDERAL ABSTRACT COMPANY
PO BOX 2288
SANTA FE NM 87504-2288

CERTIFIED MAIL

CONSULTING
S. CHEYENNE AVE
A OK 74119

\$8.860
JS POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com



06390014950417



9414 8111 0549 5889 4650 08

NEW MEXICO OIL CONSERVATION DIST 1
1625 N FRENCH DR
HOBBS NM 88240-9273

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LL CONSULTING
718 S. CHEYENNE AVE
ULSA OK 74119

\$8.860
US POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com

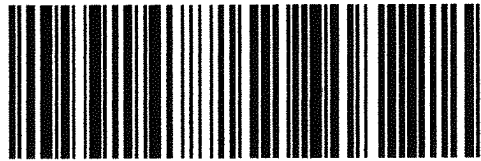


9414 8111 0549 5889 4680 30

HCCD LLC
600 LAS COLINAS BLVD E
IRVING TX 75039-5601

ALL CONSULTING
1718 S. CHEYENNE AVE
TULSA OK 74119

CERTIFIED MAIL®



9414 8111 0549 5889 4666 23

LONGFELLOW LH LLC
8115 PRESTON RD
DALLAS TX 75225-6306

\$8.86⁰
US POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com

ALL CONSULTING
1718 S. CHEYENNE AVE
TULSA OK 74119

CERTIFIED MAIL®



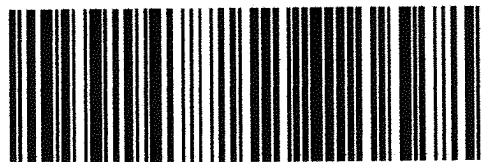
9414 8111 0549 5889 4613 52

NM BEREAU OF LAND MANGEMENT
620 E GREENE ST
CARLSBAD NM 88220-6292

\$8.86⁰
US POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com

ALL CONSULTING
1718 S. CHEYENNE AVE
TULSA OK 74119

CERTIFIED MAIL®



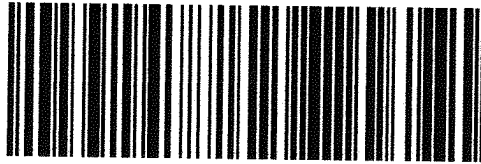
9414 8111 0549 5889 4832 79

COMMISSION OF PUBLIC LANDS
310 OLD SANTA FE TRL
SANTA FE NM 87501-2708

\$8.86⁰
US POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com

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NSULTING
CHEYENNE AVE
OK 74119



9414 8111 0549 5889 4847 64

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FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com



OCCIDENTAL PERMIAN LTD
PO BOX 4294
HOUSTON TX 77210-4294

CERTIFIED MAIL®

NSULTING
CHEYENNE AVE
K 74119



9414 8111 0549 5889 4856 93

\$8.86⁰
US POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com



READ & STEVENS INC
300 N MARIENFELD ST STE 100
MIDLAND TX 79701-4345

CERTIFIED MAIL®

NSULTING
CHEYENNE AVE
OK 74119



9414 8111 0549 5889 4821 11

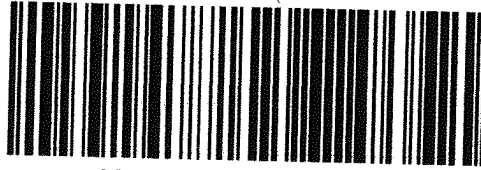
\$8.86⁰
US POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com



RUTH ANN JEFFERS-CALVERT
PO BOX 65
ARTESIA NM 88211-0065

1718 S. CHEYENNE AVE
TULSA OK 74119

CERTIFIED MAIL®



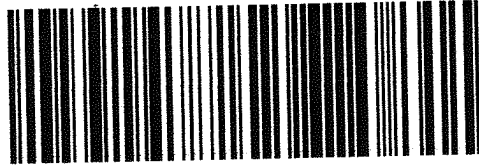
9414 8111 0549 5889 4888 78

SEP PERMIAN LLC
9655 KATY FWY
HOUSTON TX 77024-1338

\$8.86
US POSTAGE IMI
FIRST-CLASS
FROM 7411
09/11/202
Stamps.com

ALL CONSULTING
1718 S. CHEYENNE AVE
TULSA OK 74119

CERTIFIED MAIL®



9414 8111 0549 5889 4862 63

ZPZ DELAWARE I LLC
2000 POST OAK BLVD STE 100
HOUSTON TX 77056-4497

\$8.86
US POSTAGE IMI
FIRST-CLASS
FROM 74119
09/11/2025
Stamps.com

Tracking Number:

9414811105495889429475

Remove X

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Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Moving Through Network

In Transit to Next Facility, Arriving Late

September 23, 2025

Addressee Unknown

HOUSTON, TX 77010

September 18, 2025, 1:46 pm

See All Tracking History

Feedback

What Do USPS Tracking Statuses Mean? (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates

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USPS Tracking Plus®

USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889494022

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Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to an individual at the address at 2:42 pm on September 22, 2025 in HOUSTON, TX 77042.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

HOUSTON, TX 77042

September 22, 2025, 2:42 pm

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



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USPS Tracking Plus®



Product Information



See Less ^

Tracking Number:

Remove X

9414811105495889490147

Copy Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to an individual at the address at 2:19 pm on September 15, 2025 in HOUSTON, TX 77042.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

HOUSTON, TX 77042
September 15, 2025, 2:19 pm

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates 

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USPS Tracking Plus® 

Product Information 

See Less ^

USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889497429

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Moving Through Network

In Transit to Next Facility, Arriving Late

September 23, 2025

Arrived at USPS Regional Destination Facility

NORTH HOUSTON TX DISTRIBUTION CENTER

September 22, 2025, 10:48 am

See All Tracking History

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



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USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889424753

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item has been delivered to an agent. The item was picked up at USPS at 7:32 am on September 18, 2025 in HOUSTON, TX 77210.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered to Agent

Delivered to Agent, Picked up at USPS

HOUSTON, TX 77210

September 18, 2025, 7:32 am

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Product Information



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USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889428133

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item has been delivered to an agent. The item was picked up at USPS at 3:14 pm on September 17, 2025 in HOUSTON, TX 77002.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered to Agent

Delivered to Agent, Picked up at USPS

HOUSTON, TX 77002

September 17, 2025, 3:14 pm

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Product Information



See Less ^

USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889426696

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was picked up at the post office at 1:15 pm on September 16, 2025 in SANTA FE, NM 87501.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Individual Picked Up at Post Office

SANTA FE, NM 87501

September 16, 2025, 1:15 pm

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Product Information



See Less ^

USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889465008

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to the front desk, reception area, or mail room at 8:00 am on September 16, 2025 in HOBBS, NM 88240.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Front Desk/Reception/Mail Room

HOBBS, NM 88240

September 16, 2025, 8:00 am

See All Tracking History

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Product Information



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USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889468030

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item arrived at our TULSA OK DISTRIBUTION CENTER origin facility on September 23, 2025 at 1:01 pm. The item is currently in transit to the destination.

Get More Out of USPS Tracking:

USPS Tracking Plus®

In Transit from Origin Processing

Arrived at USPS Regional Origin Facility

TULSA OK DISTRIBUTION CENTER

September 23, 2025, 1:01 pm

In Transit to Next Facility

September 22, 2025

See All Tracking History

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Tracking Number:

Remove X

9414811105495889466623

Copy Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to an individual at the address at 10:53 am on September 16, 2025 in DALLAS, TX 75225.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

DALLAS, TX 75225
September 16, 2025, 10:53 am

See All Tracking History

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Feedback

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Product Information



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USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889483279

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was picked up at the post office at 7:48 am on September 18, 2025 in SANTA FE, NM 87501.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Individual Picked Up at Post Office

SANTA FE, NM 87501

September 18, 2025, 7:48 am

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



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Product Information



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USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889484764

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item has been delivered and is available at a PO Box at 3:58 pm on September 20, 2025 in HOUSTON, TX 77210.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, PO Box

HOUSTON, TX 77210

September 20, 2025, 3:58 pm

[See All Tracking History](#)

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Product Information



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USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889485693

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to an individual at the address at 1:14 pm on September 16, 2025 in MIDLAND, TX 79701.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Delivered, Left with Individual

MIDLAND, TX 79701

September 16, 2025, 1:14 pm

[See All Tracking History](#)

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Product Information



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Feedback

Tracking Number:

Remove X

9414811105495889482111

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Latest Update

Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Moving Through Network

In Transit to Next Facility, Arriving Late

September 20, 2025

Departed USPS Regional Facility

LUBBOCK TX DISTRIBUTION CENTER

September 16, 2025, 2:32 am

See All Tracking History

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



USPS Tracking®

FAQs >

Tracking Number:

Remove X

9414811105495889488878

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Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item arrived at our SOUTH HOUSTON PROCESSING CENTER destination facility on September 24, 2025 at 6:49 am. The item is currently in transit to the destination.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Processing at Destination

Arrived at USPS Regional Destination Facility

SOUTH HOUSTON PROCESSING CENTER
September 24, 2025, 6:49 am

In Transit to Next Facility

September 23, 2025

See All Tracking History

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



Return Receipt Electronic



USPS Tracking Plus®



Tracking Number:

Remove X

9414811105495889486263

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Latest Update

Your item arrived at our NORTH HOUSTON TX DISTRIBUTION CENTER destination facility on September 24, 2025 at 12:27 pm. The item is currently in transit to the destination.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Processing at Destination

Arrived at USPS Regional Destination Facility

NORTH HOUSTON TX DISTRIBUTION CENTER
September 24, 2025, 12:27 pm

Forward Expired

HOUSTON, TX 77056
September 16, 2025, 9:57 am

See All Tracking History

Feedback

What Do USPS Tracking Statuses Mean? (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates

Return Receipt Electronic

USPS Tracking Plus®



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 510085

CONDITIONS

Operator: RILEY PERMIAN OPERATING COMPANY, LLC 29 E Reno Avenue, Suite 500 Oklahoma City, OK 73104	OGRID: 372290
	Action Number: 510085
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
erica.gordan	None	9/29/2025