

Protested SWD Application

By Apache Corporation
Recieved 03/27/2024

From: [Gebremichael, Million, EMNRD](#)
To: [Sean Puryear](#); [Gaines, Dean](#)
Cc: [Harris, Anthony, EMNRD](#); [Goetze, Phillip, EMNRD](#); [Cordero, Gilbert, EMNRD](#); [Kautz, Paul, EMNRD](#); [Kuehling, Monica, EMNRD](#); [Lydick, Barbara, EMNRD](#)
Subject: Protest of C108-Application for Authorization to Inject: Fringe Federal SWD Well #1 (SWD-2604)
Date: Wednesday, May 8, 2024 10:28:00 AM
Attachments: [image001.png](#)

Greetings Mr. Puryear,

The OCD was notified by Apache Corporation, that it is protesting the following injection permit request application of Permian Oilfield Partners, LLC. (" POP") for produced water disposal in Lea County, NM:

- Fringe Federal SWD Well #1 (SWD-2604), Located in 315' FSL & 315' FEL Section 12, T19 S, R32 E

Apache Corporation is identified as an affected person for the referenced application. For the application to proceed, POP 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 If the protest is withdrawn, then the applications could be processed administratively.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.

Regards,

Million Gebremichael

Petroleum Specialist- A
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
Cell : 505-4791137





March 27, 2024

Energy, Minerals & Natural Resources Department
Oil Conservation Division
Attention: Phillip Goetze, P.G.
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Protest of C108-Application for Authorization to Inject:

Permian Oilfield Partners, LLC.
Fringe Federal SWD Well #1
315' FSL & 315' FEL Section 12, T19 S, R32 E.
Lat.32.6812153, Long.-103.7122185
Lea County, New Mexico

Engineering Unit,

Apache Corporation hereby gives notice of its intent to protest the referenced SWD application. Should a formal hearing be called, Apache Corporation will appear and present any relevant evidence and testimony in support of our position. By copy of this letter the applicant is being notified of our intent.

Thank you for your assistance, and if you need additional information, please contact me via email at: dean.gaines@apachecorp.com or direct at: (432) 818-1803.

Sincerely,

A handwritten signature in blue ink, reading "Dean Gaines". The signature is fluid and cursive, with the first name "Dean" and last name "Gaines" clearly distinguishable.

Dean Gaines
EH&S Sr. Advisor-Regulatory

cc: spuryear@popmidstream.com

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: <u>Permian Oilfield Partners, LLC.</u>	OGRID Number: <u>328259</u>
Well Name: <u>Fringe Federal SWD #1</u>	API: <u>30-025-Pending</u>
Pool: <u>SWD; Devonian-Silurian</u>	Pool Code: <u>97869</u>

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.

3-15-2024

Date

Sean Puryear

Print or Type Name

Signature

817-600-8772

Phone Number

spuryear@popmidstream.com


e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: **Disposal**
Application qualifies for administrative approval? **Yes**
- II. OPERATOR: **Permian Oilfield Partners, LLC.**
ADDRESS: **P.O. Box 3329, Hobbs, NM 88241**
CONTACT PARTY: **Sean Puryear** PHONE: **(817) 600-8772**
- 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? **No.**
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-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: **Sean Puryear** TITLE: **Manager**
SIGNATURE:  DATE: **3-14-2024**
E-MAIL ADDRESS: **spuryear@popmidstream.com**
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIII. 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.

III A: See attached wellbore diagram.

III B:

1. Is this a new well drilled for injection?
Yes
2. Name of the Injection Formation:
Devonian: Open Hole Completion
3. Name of Field or Pool (if applicable):
SWD; Devonian-Silurian
4. Has the well ever been perforated in any other zone(s)?
No: New Drill for Injection of Produced Water
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Overlying Potentially Productive Zones:

Delaware, Bone Spring, Wolfcamp, Strawn, Atoka & Morrow Tops all above 14,640'

Underlying Potentially Productive Zones:

None

IV: Is this an expansion of an existing project? No.

V: See attached Area of Review Analysis.

VI: There are no wells within the proposed wells area of review that penetrate the Devonian Formation.

VII:

1. The average injected volume anticipated is 40,000 BWPD. The maximum injected volume anticipated is 50,000 BWPD.
2. Injection will be through a closed system.
3. The average injection pressure anticipated is 2,000 psi. The proposed maximum injection pressure is 2,928 psi.
4. Disposal sources will be produced waters from surrounding wells in the Delaware, Avalon, Bone Spring and Wolfcamp formations. These formation waters are known to be compatible with Devonian formation water. Representative area produced water analyses were sourced from the NMT Go-Tech website. See attached Fluid Analyses.
5. Devonian water analyses from the area of review are unavailable. Representative water analyses were sourced from the NMT Go-Tech website. See attached Fluid Analyses.

VIII:

1. Fluid injection will take place in the Devonian-Silurian formations. This sequence is bounded above by the Upper Devonian Woodford shale. Underlying the Woodford is the first injection formation, the Devonian, consisting of dolomitic and limestone carbonates & chert, followed by the Silurian Fusselman dolomite. The lower bound of the injection interval is the limestone of the Upper Ordovician Montoya. This proposed well will TD above the top of the Montoya, and will not inject fluids into the Montoya itself, in order to provide a sufficient barrier to preclude fluid injection into the Middle Ordovician Simpson, the Lower Ordovician Ellenburger, the Cambrian, and the PreCambrian below.

Permeabilities in the Devonian do not necessarily correlate to high porosity. It is expected that the Devonian will be fractured, and the high porosity (10%) intervals can have similar permeabilities to the low porosity (2-3%) intervals. A conservative average permeability of 20 mD is assumed, with an average estimated porosity of 5%, based on log data from similar wells in the region.

The Devonian-Silurian sequence is well suited for SWD purposes, with a low permeability shale barrier overlying the injection interval to prevent upward fluid migration to USDW's, a low permeability carbonate barrier underlying the injection interval to prevent downward fluid migration, sufficient permeabilities and porosities in zone, and multiple formations available over a large depth range. This large injection depth range means there is a large injection surface area available, allowing for low injection pressures at high injection rates.

GEOLOGY PROGNOSIS			
FORMATION	TOP	BOTTOM	THICKNESS
	KB TVD (ft)	KB TVD (ft)	(ft)
Rustler	1,424	1,548	124
Salt	1,548	2,987	1,439
Yates	3,168	3,615	447
Delaware	5,151	7,484	2,333
Bone Spring	7,484	10,706	3,222
Wolfcamp	10,706	12,119	1,413
Lwr. Mississippian	14,020	14,540	520
Woodford	14,540	14,640	100
Devonian	14,640	15,360	720
Fusselman (Silurian)	15,360	15,610	250
Montoya (U. Ordovician)	15,610	16,010	400
Simpson (M. Ordovician)	16,010	16,350	340

2. Regional shallow fresh water in the Quaternary is known to exist at depths less than 700'. See attached OSE Water Column Depth table for the region. Depth from the bottom of this USDW to the injection zone is 13,940'. This proposed well is north of the expected edge of the Capitan Reef, and as such is not expected to penetrate the Capitan Reef USDW. There is no USDW present below the injection interval.

- IX:** Formation chemical stimulation with 40,000 gals of 15% Hydrochloric Acid is planned after well completion.

- X:** A compensated neutron/gamma ray log will be run from surface to TD upon well completion. All logs will be submitted to the NMOCD upon completion.
- XI:** According to the New Mexico Office of the State Engineer, there are 0 fresh water wells within the proposed well's one-mile area of review. There are existing monitor well permits and a POD declaration in the AOR but none have been drilled. See attached POD summaries and 1 mile AOR water well map showing no active water wells in the AOR.

CP 00812 POD1	Not Drilled	Not Present, No Sample
CP 01163 POD1	Not Drilled	Not Present, No Sample
CP 01163 POD4	Not Drilled	Not Present, No Sample
CP 01163 POD3	Not Drilled	Not Present, No Sample, Outside AOR

- XII:** Hydrologic affirmative statement attached.
- XIII:** Proof of notice and proof of publication attached.

III (A)

WELL CONSTRUCTION DATA

Permian Oilfield Partners, LLC.
Fringe Federal SWD #1
315' FSL, 315' FEL
Sec. 12, T19S, R32E, Lea Co. NM
Lat 32.6812153° N, Lon -103.7122185° W
GL 3666', RKB 3696'

Surface - (Conventional)

Hole Size: 26" **Casing:** 20" - 106.5# N-80 BTC Casing
Depth Top: Surface
Depth Btm: 1449'
Cement: 2737 sks - Class C + Additives (100% Excess)
Cement Top: Surface - (Circulate)

Intermediate #1 - (Conventional)

Hole Size: 18.5" **Casing:** 16" - 75# J-55 BTC Casing
Depth Top: Surface
Depth Btm: 3218'
Cement: 974 sks - Class C + Additives
Cement Top: Surface - (Circulate)

Intermediate #2 - (Conventional)

Hole Size: 15" **Casing:** 9.625" - 40# HCP110 BTC Casing
Depth Top: Surface
Depth Btm: 10756' **ECP/DV Tool:** 3318'
Cement: 3501 sks - Class C + Additives
Cement Top: Surface - (Circulate)

Intermediate #3 - (Liner)

Hole Size: 8.75" **Casing:** 7.625" - 39# HCL-80 FJ Casing
Depth Top: 10556'
Depth Btm: 14675'
Cement: 253 sks - Class H + Additives
Cement Top: 10556' - (Circulate & Bond Log)

Intermediate #4 - (Open Hole)

Hole Size: 6.5" **Depth:** 15585'
Inj. Interval: 14675' - 15585' (Open-Hole Completion)

Tubing - (Tapered)

Tubing Depth: 14630' **Tubing:** 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
X/O Depth: 10556'
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
Packer Depth: 14640' **Packer:** 5.5" - Perma-Pak or Equivalent (Inconel)
Packer Fluid: 8.4 ppg FW + Additives

III (A)

WELLBORE SCHEMATIC

Permian Oilfield Partners, LLC.
 Fringe Federal SWD #1
 315' FSL, 315' FEL
 Sec. 12, T19S, R32E, Lea Co. NM
 Lat 32.6812153° N, Lon -103.7122185° W
 GL 3666', RKB 3696'

Surface - (Conventional)

Hole Size: 26"
 Casing: 20" - 106.5# N-80 BTC Casing
 Depth Top: Surface
 Depth Btm: 1449'
 Cement: 2737 sks - Class C + Additives (100% Excess)
 Cement Top: Surface - (Circulate)

Intermediate #1 - (Conventional)

Hole Size: 18.5"
 Casing: 16" - 75# J-55 BTC Casing
 Depth Top: Surface
 Depth Btm: 3218'
 Cement: 974 sks - Class C + Additives
 Cement Top: Surface - (Circulate)

Intermediate #2 - (Conventional)

Hole Size: 15"
 Casing: 9.625" - 40# HCP110 BTC Casing
 Depth Top: Surface
 Depth Btm: 10756'
 Cement: 3501 sks - Class C + Additives
 Cement Top: Surface - (Circulate)
 ECP/DV Tool: 3318'

Intermediate #3 - (Liner)

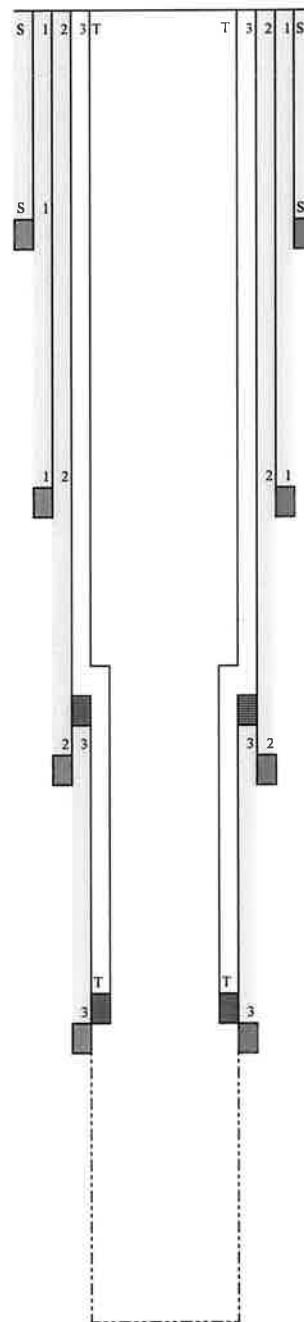
Hole Size: 8.75"
 Casing: 7.625" - 39# HCL-80 FJ Casing
 Depth Top: 10556'
 Depth Btm: 14675'
 Cement: 253 sks - Class H + Additives
 Cement Top: 10556' - (Circulate & Bond Log)

Intermediate #4 - (Open Hole)

Hole Size: 6.5"
 Depth: 15585'
 Inj. Interval: 14675' - 15585' (Open-Hole Completion)

Tubing - (Tapered)

Tubing Depth: 14630'
 Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
 X/O Depth: 10556'
 X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
 Packer Depth: 14640'
 Packer: 5.5" - Perma-Pak or Equivalent (Inconel)
 Packer Fluid: 8.4 ppg FW + Additives



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

¹ API Number		² Pool Code 97869	³ Pool Name SWD; DEVONIAN-SILURIAN
⁴ Property Code	⁵ Property Name FRINGE FEDERAL SWD		⁶ Well Number 1
⁷ GRID NO. 328259	⁸ Operator Name PERMIAN OILFIELD PARTNERS, LLC		⁹ Elevation 3666'

¹⁰ Surface Location

UL or lot no. A	Section 12	Township 19S	Range 32E	Lot Idn	Feet from the 315	North/South line NORTH	Feet From the 315	East/West line EAST	County LEA
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¹¹ 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
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			


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

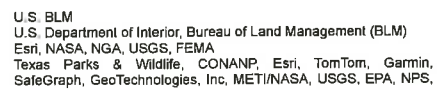
<p>17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right 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.</p> <p>Signature: <u>Gary E. Fisher</u> Date: <u>2/27/2023</u> Printed Name: <u>Gary Fisher</u> E-mail Address: <u>gfisher@popmidstream.com</u></p>		<p>18 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.</p> <p>Date of Survey: <u>02/23/2024</u> Signature and Seal of Professional Surveyor: <u>DALE E. BELL</u> Certificate Number: <u>14400</u> REV: SL MOVE 02/23/2024</p>	
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Job No.: LS24010057R

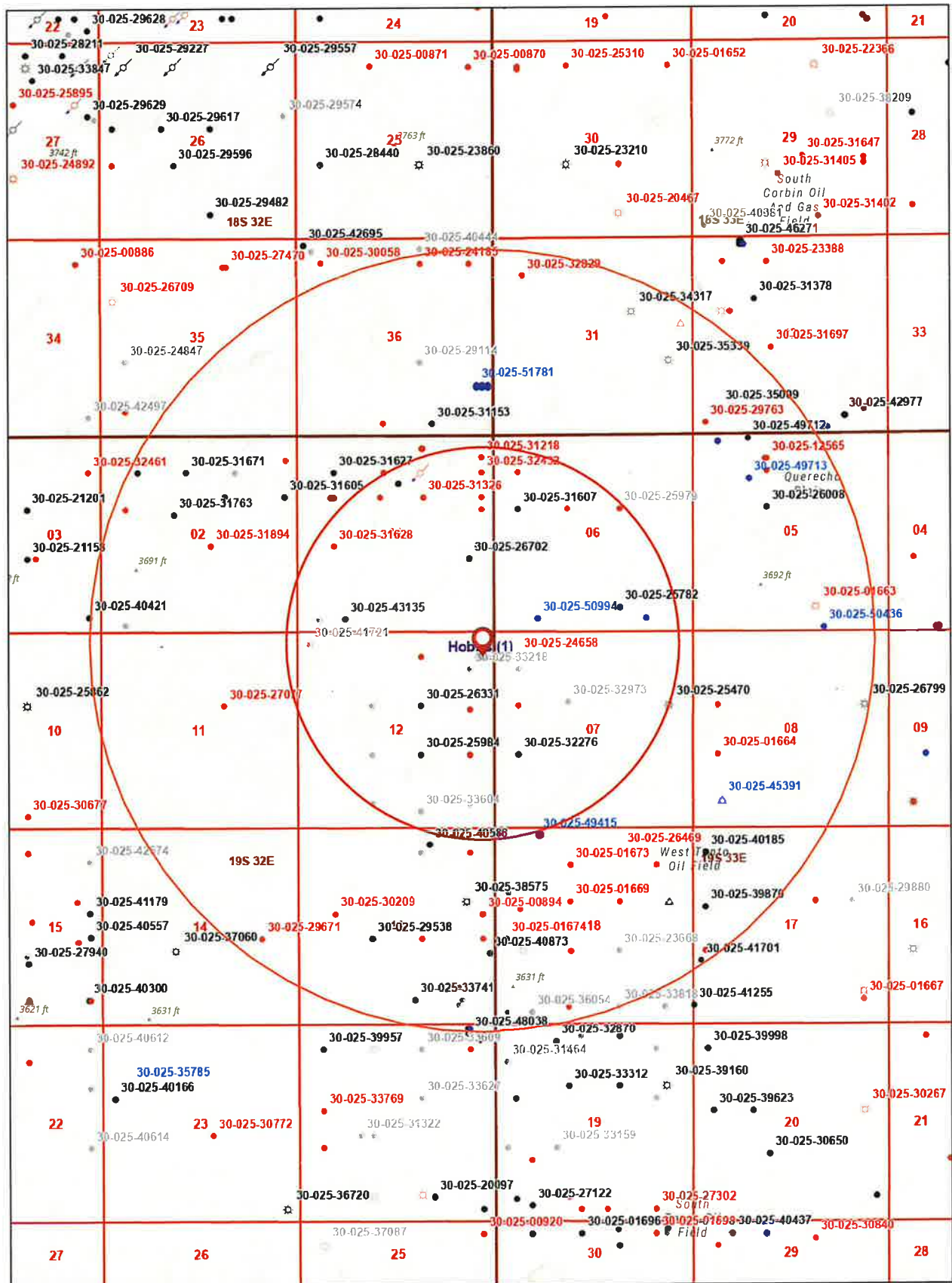


Land Ownership

 PLSS Townships

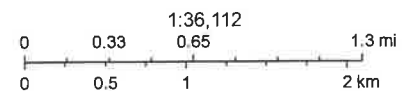


New Mexico Oil Conservation Division



2/27/2024, 12:09:53 PM

- | | | |
|---|--|--|
| Override 1 | ● Injection, Active | △ Salt Water Injection, Active |
| ● Wells - Large Scale | ● Injection, Plugged | △ Salt Water Injection, New |
| ● Gas, Active | ● Oil, Active | △ Salt Water Injection, Plugged |
| ● Gas, Cancelled | ● Oil, Cancelled | OCD Districts |
| ● Gas, New | ● Oil, New | PLSS First Division |
| ● Gas, Plugged | ● Oil, Plugged | PLSS Townships |



Esri, NASA, NGA, USGS, FEMA
 Oil Conservation Division of the New Mexico Energy, Minerals and
 Natural Resources Department.
 Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin,
 SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS,

New Mexico Oil Conservation Division

Wells	Wells Tense	Wells Direction	Wells Status	Section	Township	Range	DC
Fringe Federal SWD #1 - Wells Within 1 Mile Area of Review							

Released to Imaging: 5/8/2024 10:47:11 AM

VII (4)

Permian Oilfield Partners, LLC.
 Fringe Federal SWD #1
 315' FSL, 315' FEL
 Sec. 12, T19S, R32E, Lea Co. NM
 Lat 32.6812153° N, Lon -103.7122185° W
 GL 3666', RKB 3696'

Regional Source Water Analysis				
Well Name	MOBIL LEA STATE #003	COOTER 16 STATE COM #006H	PLAYA 2 STATE #002H	ZINNIA BKC FEDERAL #001
API	3002532105	3001537876	3002540549	3001527939
Latitude	32.5976906	32.123642	32.6830215	32.5462379
Longitude	-103.5367584	-103.9862061	-103.5371552	-104.0686035
Sec	2	16	2	27
Township	20S	25S	19S	20S
Range	34E	29E	34E	29E
Unit	M	O	M	E
Ftg NS	990S	330S	330S	1980N
Ftg EW	870W	1650E	760W	910W
County	Lea	Eddy	Lea	Eddy
State	NM	NM	NM	NM
Field				
Formation	Delaware	Avalon Upper	3rd Bone Spring Sand	Wolfcamp
pH	5.5	7	6.48	5.7
TDS mgL	296822	193732	182368	189739
Sodium mgL	87727.9	74027.8	41450	
Calcium mgL	45355	513	8421	23920
Iron mgL	8.8125	104	28.1	0.3
Magnesium mgL		118	1264	963.2
Manganese mgL		1	0.8	
Chloride mgL	215237	113441	85041	116724
Bicarbonate mgL	143	1830	362	427
Sulfate mgL	293	2665	956	750
CO2 mgL		700	180	

VII (5)

Permian Oilfield Partners, LLC.
 Fringe Federal SWD #1
 315' FSL, 315' FEL
 Sec. 12, T19S, R32E, Lea Co. NM
 Lat 32.6812153° N, Lon -103.7122185° W
 GL 3666', RKB 3696'

Devonian Injection Zone Water Analysis			
Well Name	Leonard ST 1 (A) #001	LEA UNIT #008	LEA UNIT #009
API	3001503537	3002502431	3002502432
Latitude	32.6839676	32.5927162	32.578598
Longitude	-104.0347595	-103.511673	-103.5121155
Sec	1	12	13
Township	19S	20S	20S
Range	29E	34E	34E
Unit	M	B	B
Ftg NS	610S	810N	660N
Ftg EW	660W	1980E	2130E
County	Eddy	Lea	Lea
State	NM	NM	NM
Field			
Formation	Devonian	Devonian	Devonian
Samle Source	Drill Stem Test	Drill Stem Test	Unknown
pH			
TDS_mgL	29011	33414	45778
Chloride_mgL	16000	18570	26440
Bicarbonate_mgL	520	227	1145
Sulfate_mgL	1500	1961	729



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00812 POD1	CP	LE		4	4	01	19S	32E		620623	3616973*	314	200		
CP 00805 POD1	CP	LE		3	1	18	19S	33E		621057	3614563*	2140	450		
CP 00810 POD1	CP	LE		3	3	08	19S	33E		622675	3615385*	2332	110		
CP 00809 POD1	CP	LE		2	1	05	19S	33E		623048	3618206*	2771	300		
CP 01967 POD1	CP	LE		2	2	2	24	19S	32E	620720	3613546	3133	110		
CP 01857 POD1	CP	LE		3	4	4	32	18S	33E	623693	3618622	3539			
CP 01935 POD1	CP	LE		2	2	1	10	19S	32E	616648	3616591	4087	101		
CP 00813 POD1	CP	LE				1	33	18S	33E	624441	3619644*	4745	300		
L 03454	L	LE		2	2	30	18S	33E		622200	3621422*	4963	100	35	65
CP 00677	CP	LE		1	1	26	18S	32E		617750	3621373*	5562	700		
L 15415	L	LE		3	3	3	05	19S	32E	612912	3616830	7824	55		
CP 01938 POD1	CP	LE		1	4	1	32	18S	32E	613277	3619332	7916	51		
L 07023	L	LE		2	3	3	32	19S	33E	622840	3609047*	7917	262	185	77
CP 01656 POD1	CP	LE		3	4	3	17	19S	32E	613368	3613646	7966	70		
CP 01656 POD3	CP	LE		3	4	3	17	19S	32E	613374	3613633	7966	30		
CP 01656 POD2	CP	LE		3	4	3	17	19S	32E	613364	3613648	7970	70		

Average Depth to Water: **110 feet**

Minimum Depth: **35 feet**

Maximum Depth: **185 feet**

Record Count: 16

UTMNAD83 Radius Search (in meters):

Easting (X): 620735

Northing (Y): 3616679.44

Radius: 8000

*UTM location was derived from PLSS - see Help

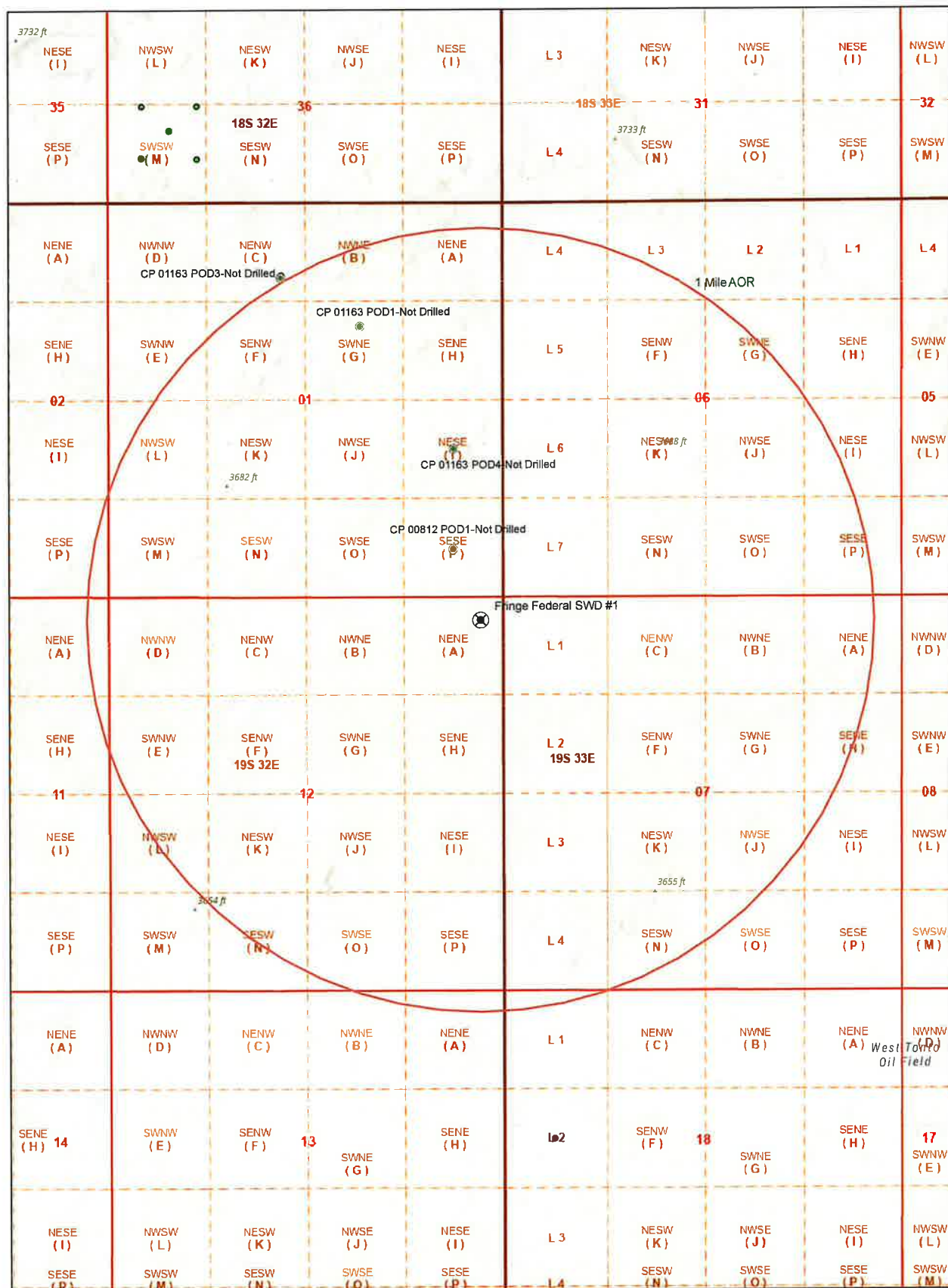
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/14/24 7:32 AM

Page 1 of 1

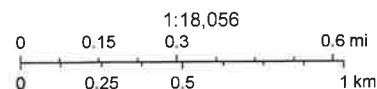
WATER COLUMN/ AVERAGE
DEPTH TO WATER

Fringe Federal SWD #1, Water Wells in 1 Mi AOR



3/14/2024, 8:42:36 AM

- Override 1
 ● Pending
- Points
 PLSS Second Division
- PLSS First Division
- PLSS Townships
- ⊗ Override 1
 ● Override 2
- OSE Water PODs
- Active



Esri, NASA, NGA, USGS, FEMA
 Esri Community Maps Contributors, New Mexico State University,
 Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin,
 SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS,
 US Census Bureau, USDA, USFWS

New Mexico Oil Conservation Division



XI (b)

New Mexico Office of the State Engineer

Water Right Summary



WR File Number: CP 01163

Subbasin: CP

Cross Reference: -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres:

Subfile: -

Header: -

Total Diversion: 0

Cause/Case: -

Owner: BUREAU OF LAND MANAGEMENT

Contact: DAVE HERRELL

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
get images	605729	EXPL	2013-03-19	PMT	APR CP 01163	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q Q Q			X	Y	Other Location Desc
			64	16	4			
CP 01163 POD1			01	19S	32E	620229	3617878	BLM-NP-1
CP 01163 POD2			30	19S	33E	621209	3610646	BLM-SP-1
CP 01163 POD3			01	19S	32E	619904	3618078	BLM-NO-1
CP 01163 POD4			01	19S	32E	620623	3617379	BLM-NO-2
CP 01163 POD5			30	19S	33E	621510	3610489	BLM-SO-1
CP 01163 POD6			25	19S	32E	620705	3610639	BLM-SO-2
CP 01163 POD7			34	18S	33E	626946	3619897	BLM-EP-1
CP 01163 POD8			34	18S	33E	627051	3619490	BLM-EO-1
CP 01163 POD9			27	18S	33E	627038	3620271	BLM-EO-2

Source

Acres	Diversion	CU	Use	Priority	Source Description
0	0		MON	03/01/2013	GW

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer

Water Right Summary



WR File Number: CP 00812 **Subbasin:** CP **Cross Reference:** -
Primary Purpose: PLS NON 72-12-1 LIVESTOCK WATERING
Primary Status: DCL DECLARATION
Total Acres: 0 **Subfile:** - **Header:** -
Total Diversion: 3 **Cause/Case:** -
Owner: KENNETH SMITH

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
 563331	DCL	1993-08-04	DCL	PRC	CP 00812	T	0	3	

Current Points of Diversion

POD Number	Well Tag	Source	Q Q Q			(NAD83 UTM in meters)		Other Location Desc
			64	16	4	X	Y	
CP 00812 POD1	Shallow	4 4 01 19S 32E	620623	3616973*				

An () after northing value indicates UTM location was derived from PLSS - see Help

Priority Summary

Priority	Status	Acres	Diversion	Pod Number	Source
12/31/1965	DCL	0	3	CP 00812 POD1	Shallow

Place of Use

Q Q Q Q				Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
256	64	16	4							
				0	3		PLS	12/31/1965	DCL	NO PLACE OF USE GIVEN

Source

Acres	Diversion	CU	Use	Priority	Source Description
0	3		PLS	12/31/1965	GW

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



Item XII. Affirmative Statement

Re: C-108 Application for Authorization to Inject
Permian Oilfield Partners, LLC
Fringe Federal SWD #1
315' FNL & 315' FEL
Sec 12, T19S, R32E
Lea County, NM

Permian Oilfield Partners, LLC. has examined available geologic and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

A handwritten signature in black ink, appearing to read "Gary Fisher".

Gary Fisher
Manager
Permian Oilfield Partners, LLC.

Date: 2/28/2024

XIII.

Fringe Federal SWD #1 - Affected Persons within 1 Mile Area of Review		
Notified Name	Notified Address	Notified City, State, ZIP Code
AVANT OPERATING, LLC	1515 Wynkoop St., Ste. 700	Denver, CO 80202
BUREAU OF LAND MANAGEMENT	620 E Greene St.	Carlsbad, NM 88220
BURLINGTON RESOURCES OIL & GAS COMPANY LP	PO Box 2197	Houston, TX 77252
CIMAREX ENERGY CO. OF COLORADO	6001 Deauville Blvd, Ste 300N	Midland, TX 79706
COG OPERATING LLC	600 W Illinois Ave	Midland, TX 79701
CONOCOPHILLIPS CO	PO Box 2197	Houston, TX 77252
DEVON ENERGY OPERATING COMPANY LP	333 W Sheridan Ave	Oklahoma City, OK 73102
ENDURANCE RESOURCES LLC	15455 Dallas Parkway, Ste 600	Addison, TX 75001
EOG RESOURCES, INC.	PO Box 2267	Midland, TX 79702
JAVELINA PARTNERS	616 Texas St.	Fort Worth, TX 76102
LEGACY RESERVES OPERATING, LP	15 Smith Road, Ste 3000	Midland, TX 79705
LINDY'S LIVING TRUST	6300 Ridgelea Place, Ste 1005A	Fort Worth, TX 76116
LOS SIETE EXPL INC	200 West First Street #648	Roswell, NM 88201
MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM 88241
NEW MEXICO STATE LAND OFFICE	310 Old Santa Fe Trail	Santa Fe, NM 87501
OCCIDENTAL PERMIAN LP	5 Greenway Plaza, Ste. 110	Houston, TX 77046
OXY Y-1 CO	5 Greenway Plaza, Ste. 110	Houston, TX 77046
PERMIAN RESOURCES OPERATING, LLC	300 N. Marienfeld St., Ste. 1000	Midland, TX 79701
RAY WESTALL	P.O. Box 4	Loco Hills, NM 88255
SEALY H CAVIN INC	P O BOX 1125	Roswell, NM 88202
SPECIAL ENERGY CORP	P.O. Drawer 369	Stillwater, OK 74076
UPLAND PRODUCTION CO	P.O. Box 1327	Edmond, OK 73034
WALSH & WATTS INC	155 Walsh Drive	Aledo, TX 76008
XTO HOLDINGS	22777 Springwoods Village Pkwy.	Spring, TX 77389
ZORRO PARTNERS LTD	616 Texas St.	Fort Worth, TX 76116

XIII.

Affidavit of PublicationSTATE 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
March 03, 2024
and ending with the issue dated
March 03, 2024.



Publisher

Sworn and subscribed to before me this
3rd day of March 2024.



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 publication has been made.

LEGAL

LEGAL

**LEGAL NOTICE
March 3, 2024**

Permian Oilfield Partners, LLC, PO Box 3329, Hobbs, NM 88241, phone (817)606-7630, attn. Gary Fisher, has filed form C-108 (Application for Authorization for Injection) with the New Mexico Oil Conservation Division seeking approval to drill a commercial salt water disposal well in Lea County, New Mexico. The proposed well is the Fringe Federal SWD #1, and is located 315' FNL & 315' FEL, Unit A, Section 12, Township 19 South, Range 32 East, NMPM, approximately 12 mi SSE of Maljamar, NM. The well will dispose of water produced from nearby oil and gas wells into the Devonian and Fusselman formations from a depth of 14,640 feet to 15,610 feet. The maximum expected injection rate is 50,000 BWPD at a maximum surface injection pressure of 2,928 psi.

Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505 within 15 days.
#00288026

67115647

00288026

GARY FISHER
PERMIAN OILFIELD PARTNERS, LLC
PO BOX 3329
HOBBS, NM 88241

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 342044

CONDITIONS

Operator: Permian Oilfield Partners, LLC PO Box 3329 Hobbs, NM 88241	OGRID: 328259
	Action Number: 342044
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	5/8/2024