AE Order Number Banner

Application Number: pMSG2408734835

SWD-2604

Permian Oilfield Partners, LLC [328259]

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:

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

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

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

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

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

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

3-15-2024
Date

Sean Puryear
Print or Type Name

817-600-8772
Phone Number

Signature

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)

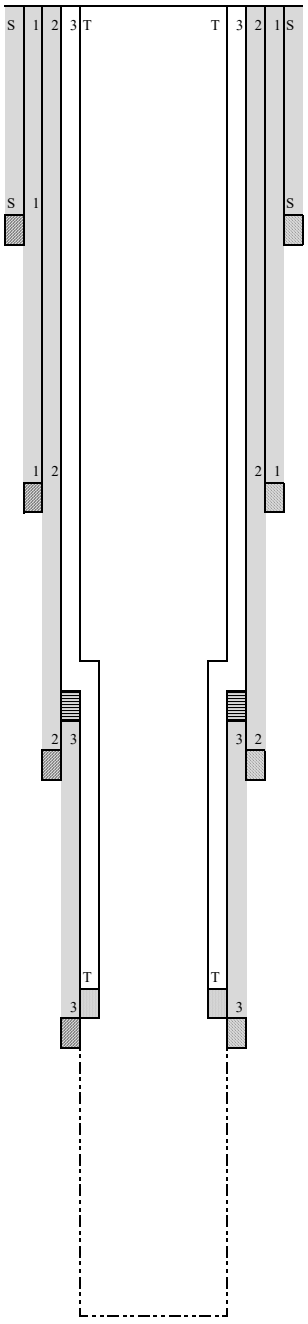
Tubing - (Tapered)

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)

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Depth Top: Surface
Depth Btm: 10756'
Cement: 3501 sks - Class C + Additives
Cement Top: Surface - (Circulate)
ECP/DV Tool: 3318'

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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	3 Pool Name
	97869	SWD; DEVONIAN-SILURIAN

4 Property Code	5 Property Name	6 Well Number
	FRINGE FEDERAL SWD	1

7 OGRID NO.	8 Operator Name	9 Elevation
328259	PERMIAN OILFIELD PARTNERS, LLC	3666'

10 Surface Location

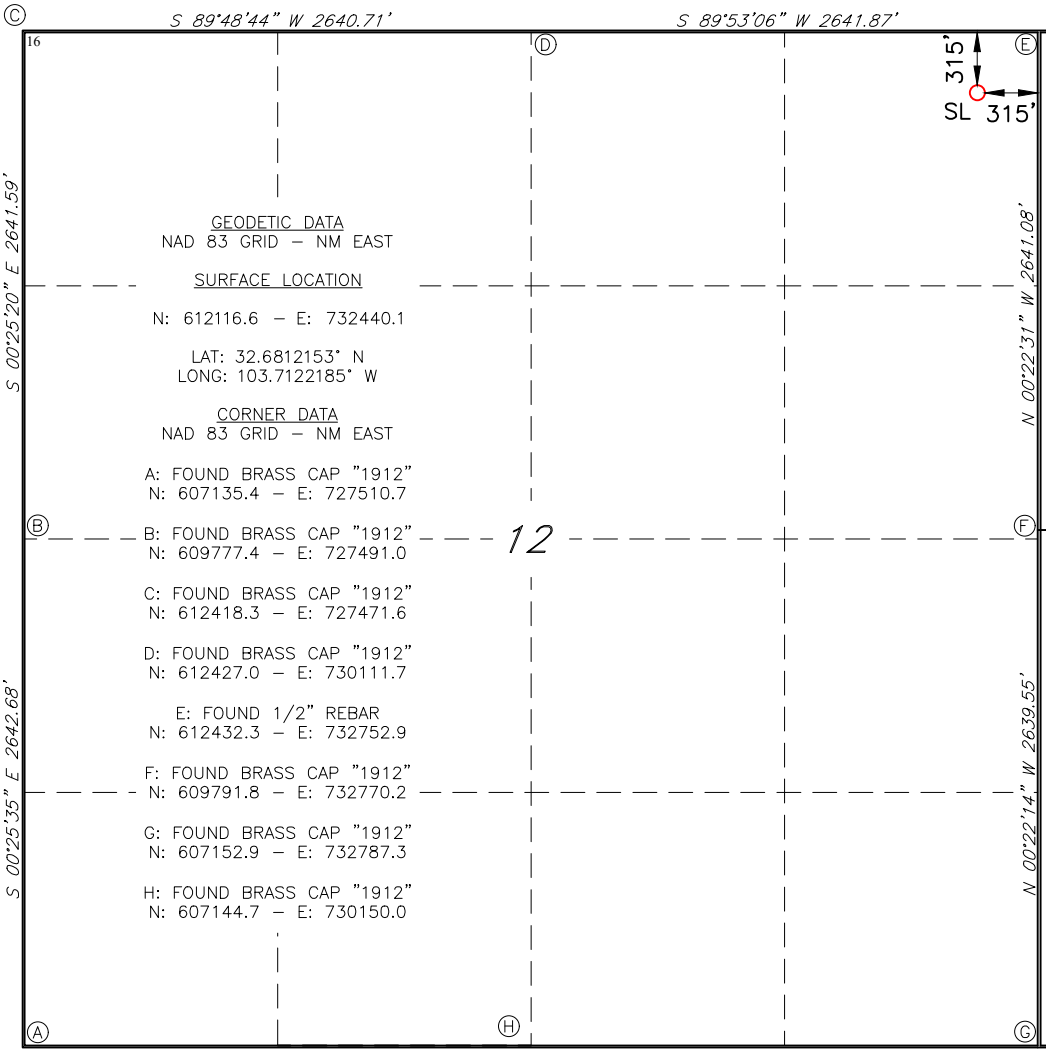
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
A	12	19S	32E		315	NORTH	315	EAST	LEA

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.



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.

Signature 2/27/2023 Date

Gary Fisher
Printed Name

gfisher@popmidstream.com
E-mail Address

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.

02/23/2024
Date of Survey

Signature and Seal of Professional Surveyor:

DALE E. BELL
NEW MEXICO
14400
02/26/2024
PROFESSIONAL SURVEYOR

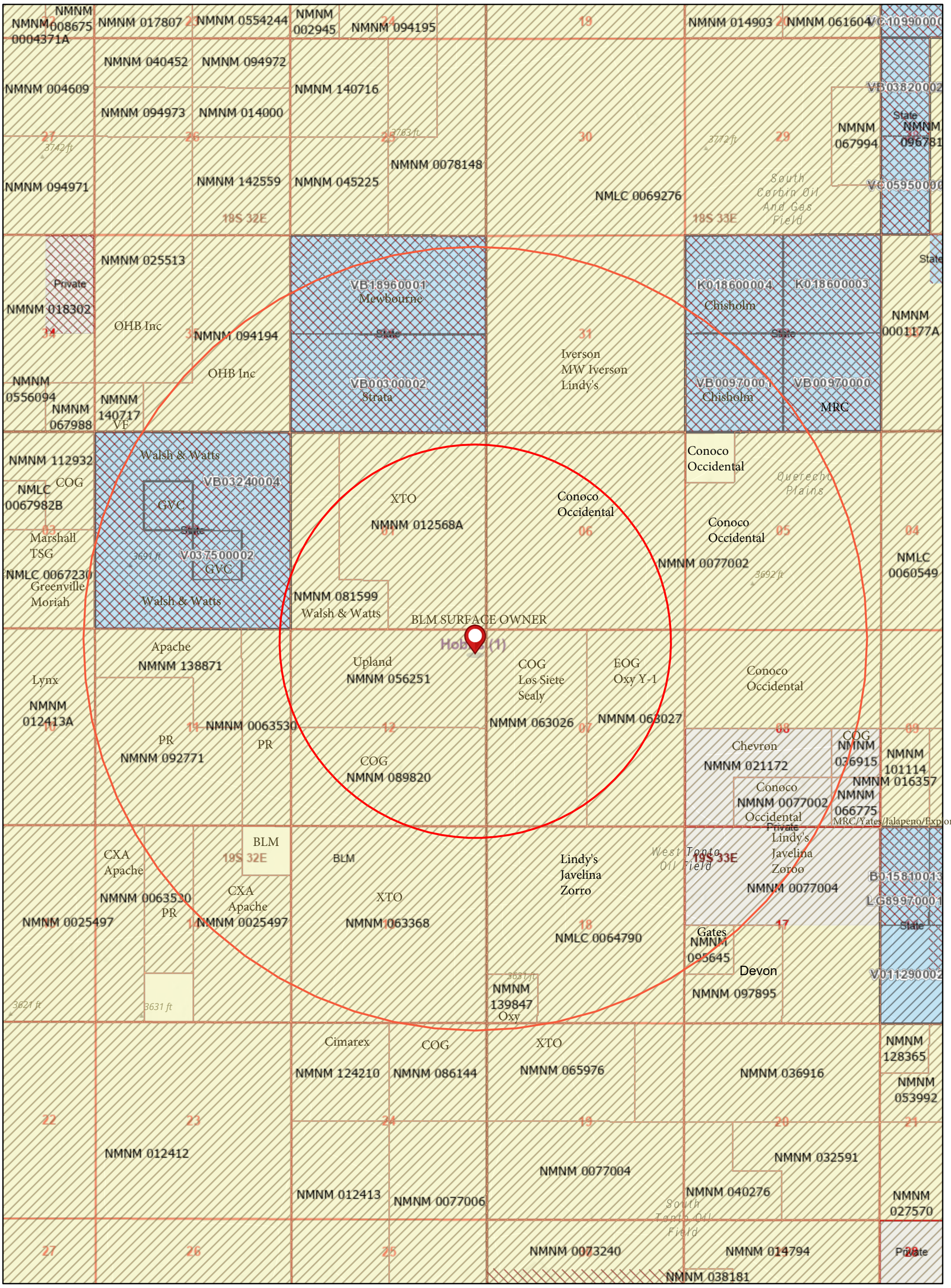
14400
Certificate Number

REV: SL MOVE 02/23/2024

Job No.: LS24010057R

V (a)

Fringe Federal SWD #1, 1 & 2 Mi AOR, Leases



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Override 1
Authorized
Oil and Gas Leasing Restrictions
Oil and Gas Leases

Land Ownership

BLM
P
S
OCD Districts
PLSS First Division
PLSS Townships

1:36,112

0 0.33 0.65 1.3 mi

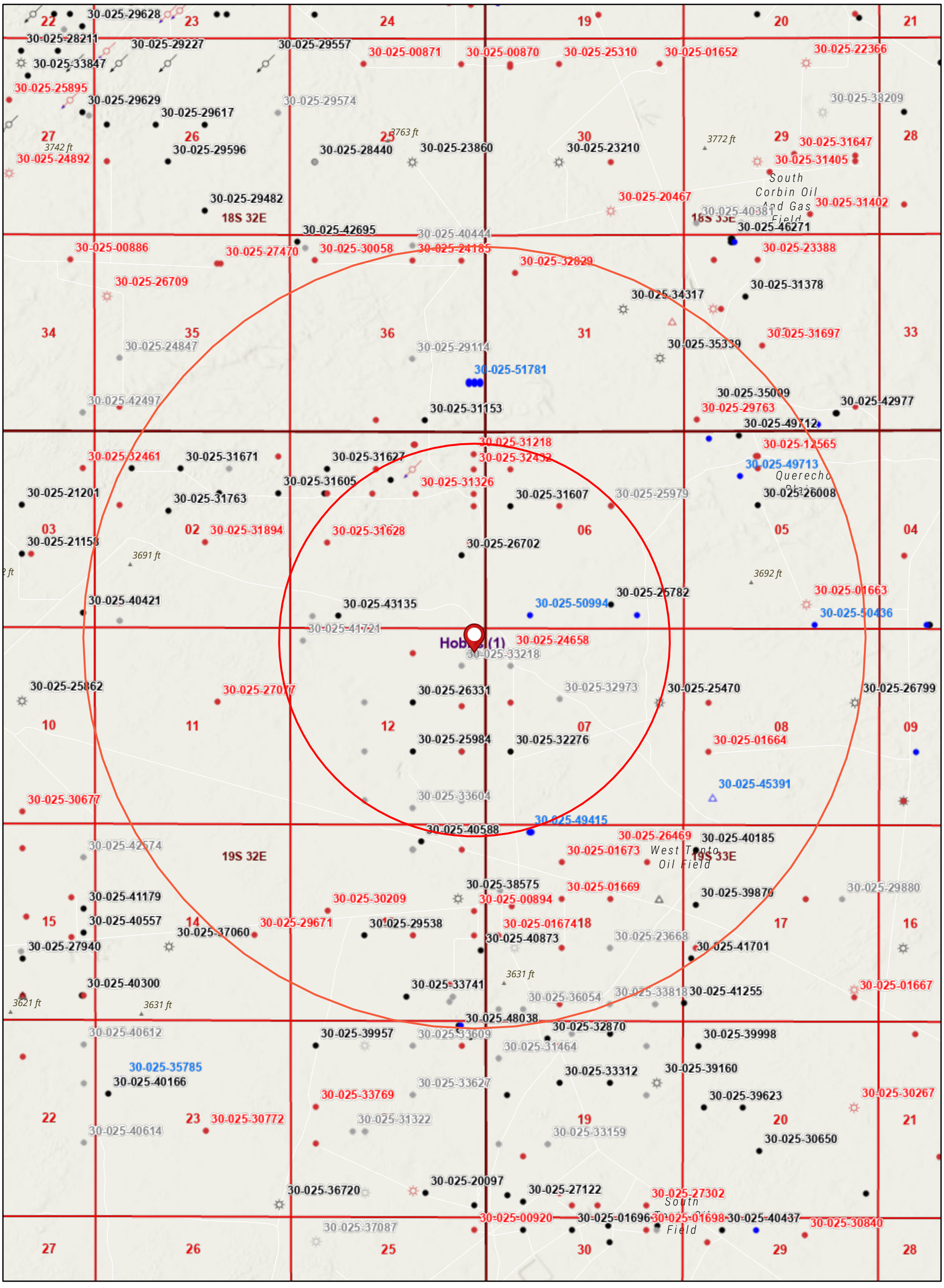
0 0.5 1 2 km

U.S. BLM
U.S. Department of Interior, Bureau of Land Management (BLM)
Esri, NASA, NGA, USGS, FEMA
Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS,

New Mexico Oil Conservation Division

V (b)

Fringe Federal SWD #1, 1 & 2 Mi AOR, Wells



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Override 1

Wells - Large Scale

- Gas, Active
- Gas, Cancelled
- Gas, New
- Gas, Plugged
- Injection, Active
- Injection, Plugged
- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged
- Salt Water Injection, Active
- Salt Water Injection, New
- Salt Water Injection, Plugged
- OCD Districts
- PLSS First Division
- PLSS Townships

1:36,112

0 0.33 0.65 1.3 mi

0 0.5 1 2 km

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

VI.

Fringe Federal SWD #1 - Wells Within 1 Mile Area of Review														
API Number	Current Operator	Well Name	Well Number	Well Type	Well Direction	Well Status	Section	Township	Range	OCD Unit Letter	Surface Location	Bottomhole Location	Formation	MD	TVD
30-025-30972	SPECIAL ENERGY CORP	BONDURANT FEDERAL COM	#002	Oil	Vertical	Plugged, Site Released	01	T19S	R32E	H	H-01-19S-32E 1650 FNL 330 FEL	H-01-19S-32E 1650 FNL 330 FEL	BONE SPRING	9100	9100
30-025-31331	BURLINGTON RESOURCES OIL & GAS COMPANY LP	BONDURANT FEDERAL	#006	Oil	Vertical	Plugged, Site Released	01	T19S	R32E	I	I-01-19S-32E 2310 FSL 430 FEL	I-01-19S-32E 2310 FSL 430 FEL	YATES	3800	3800
30-025-42001	MEWBOURNE OIL CO	QUERECHO 1 FEDERAL COM	#001C	Oil	Horizontal	Cancelled Apd	01	T19S	R32E	M	M-01-19S-32E 331 FSL 590 FWL	D-36-18S-32E 331 FNL 330 FWL	BONE SPRING	19356	9600
30-025-42793	MEWBOURNE OIL CO	CRAZY WOLF 1 2 B2CD FEDERAL COM	#001H	Oil	Horizontal	Active	01	T19S	R32E	B	B-01-19S-32E 1301 FNL 2570 FEL	D-02-19S-32E 386 FNL 332 FWL	BONE SPRING	16928	9533
30-025-26702	MEWBOURNE OIL CO	BONDURANT FEDERAL COM	#001	Oil	Vertical	Active	01	T19S	R32E	I	I-01-19S-32E 1980 FSL 660 FEL	I-01-19S-32E 1980 FSL 660 FEL	BONE SPRING	13800	13800
30-025-31628	DEVON ENERGY OPERATING COMPANY LP	COCHISE 1 FEDERAL	#004	Oil	Vertical	Plugged, Site Released	01	T19S	R32E	L	L-01-19S-32E 2310 FSL 990 FWL	L-01-19S-32E 2310 FSL 990 FWL	YATES	3725	3725
30-025-31439	CIMAREX ENERGY CO. OF COLORADO	BONDURANT FEDERAL	#009	Oil	Vertical	Plugged, Site Released	01	T19S	R32E	F	F-01-19S-32E 1650 FNL 2210 FWL	F-01-19S-32E 1650 FNL 2210 FWL	YATES	3720	3720
30-025-32431	CIMAREX ENERGY CO. OF COLORADO	BONDURANT FEDERAL	#010	Injection	Vertical	Plugged, Site Released	01	T19S	R32E	B	B-01-19S-32E 990 FNL 1980 FEL	B-01-19S-32E 990 FNL 1980 FEL	YATES	3650	3650
30-025-31326	CIMAREX ENERGY CO. OF COLORADO	BONDURANT FEDERAL	#007	Oil	Vertical	Plugged, Site Released	01	T19S	R32E	G	G-01-19S-32E 1650 FNL 1900 FEL	G-01-19S-32E 1650 FNL 1900 FEL	YATES	3740	3740
30-025-31192	CIMAREX ENERGY CO. OF COLORADO	BONDURANT FEDERAL	#004	Oil	Vertical	Plugged, Site Released	01	T19S	R32E	H	H-01-19S-32E 1980 FNL 330 FEL	H-01-19S-32E 1980 FNL 330 FEL	YATES	3800	3800
30-025-32432	CIMAREX ENERGY CO. OF COLORADO	BONDURANT FEDERAL	#011	Oil	Vertical	Plugged, Site Released	01	T19S	R32E	A	A-01-19S-32E 990 FNL 330 FEL	A-01-19S-32E 990 FNL 330 FEL	YATES	3700	3700
30-025-31218	CIMAREX ENERGY CO. OF COLORADO	BONDURANT FEDERAL	#003	Oil	Vertical	Plugged, Site Released	01	T19S	R32E	A	A-01-19S-32E 580 FNL 330 FEL	A-01-19S-32E 580 FNL 330 FEL	YATES	4559	4559
30-025-33602	RAY WESTALL	TONTO FEDERAL	#003	Oil	Vertical	Cancelled Apd	12	T19S	R32E	K	K-12-19S-32E 1980 FSL 1980 FWL	K-12-19S-32E 1980 FSL 1980 FWL	DELAWARE	7700	7700
30-025-33605	RAY WESTALL	TONTO FEDERAL	#006	Oil	Vertical	Cancelled Apd	12	T19S	R32E	P	P-12-19S-32E 660 FSL 660 FEL	P-12-19S-32E 660 FSL 660 FEL	DELAWARE	7700	7700
30-025-32277	RAY WESTALL	TONTO FEDERAL	#002	Oil	Vertical	Cancelled Apd	12	T19S	R32E	I	I-12-19S-32E 1980 FSL 660 FEL	I-12-19S-32E 1980 FSL 660 FEL	DELAWARE	7700	7700
30-025-33218	RAY WESTALL	FEDERAL 12	#003	Oil	Vertical	Cancelled Apd	12	T19S	R32E	A	A-12-19S-32E 990 FNL 660 FEL	A-12-19S-32E 990 FNL 660 FEL	DELAWARE	7800	7800
30-025-32776	RAY WESTALL	FEDERAL 7	#003	Oil	Vertical	Cancelled Apd	07	T19S	R33E	E	E-07-19S-33E Lot: 2 990 FNL 660 FWL	E-07-19S-33E Lot: 2 990 FNL 660 FWL	DELAWARE	7700	7700
30-025-32973	RAY WESTALL	FEDERAL 7	#004	Oil	Vertical	Cancelled Apd	07	T19S	R33E	F	F-07-19S-33E 1880 FNL 1980 FWL	F-07-19S-33E 1880 FNL 1980 FWL	BONE SPRING	7800	7800
30-025-33603	RAY WESTALL	TONTO FEDERAL	#004	Oil	Vertical	Cancelled Apd	12	T19S	R32E	N	N-12-19S-32E 660 FSL 1980 FWL	N-12-19S-32E 660 FSL 1980 FWL	DELAWARE	7700	7700
30-025-33604	RAY WESTALL	TONTO FEDERAL	#005	Oil	Vertical	Cancelled Apd	12	T19S	R32E	O	O-12-19S-32E 460 FSL 1980 FEL	O-12-19S-32E 460 FSL 1980 FEL	DELAWARE	7700	7700
30-025-30628	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#001	Oil	Vertical	Cancelled Apd	12	T19S	R32E	F	F-12-19S-32E 1980 FNL 1980 FWL	F-12-19S-32E 1980 FNL 1980 FWL	BONE SPRING	9200	9200
30-025-25979	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	#003	Oil	Vertical	Cancelled Apd	06	T19S	R33E	G	G-06-19S-33E 1980 FNL 1980 FEL	G-06-19S-33E 1980 FNL 1980 FEL	MORROW	14000	14000
30-025-41721	COG OPERATING LLC	EXPLORER 12 FEDERAL	#001H	Oil	Horizontal	Cancelled Apd	12	T19S	R32E	D	D-12-19S-32E 330 FNL 330 FWL	A-12-19S-32E 330 FNL 330 FEL	BONE SPRING	14125	9750
30-025-33066	COG OPERATING LLC	FEDERAL 12	#004	Oil	Vertical	Plugged, Site Released	12	T19S	R32E	B	B-12-19S-32E 660 FNL 1980 FEL	B-12-19S-32E 660 FNL 1980 FEL	DELAWARE	7750	7750
30-025-26331	COG OPERATING LLC	FEDERAL 12	#001	Oil	Vertical	Active	12	T19S	R32E	G	G-12-19S-32E 1980 FNL 1980 FEL	G-12-19S-32E 1980 FNL 1980 FEL	BONE SPRING	8931	8931
30-025-25984	COG OPERATING LLC	TONTO FEDERAL	#001	Oil	Vertical	Active	12	T19S	R32E	J	J-12-19S-32E 1980 FSL 1980 FEL	J-12-19S-32E 1980 FSL 1980 FEL	BONE SPRING	13689	13689
30-025-32975	COG OPERATING LLC	FEDERAL 12	#002	Oil	Vertical	Plugged, Site Released	12	T19S	R32E	H	H-12-19S-32E 2080 FNL 660 FEL	H-12-19S-32E 2080 FNL 660 FEL	DELAWARE	7590	7590
30-025-33590	COG OPERATING LLC	TONTO FEDERAL	#002	Oil	Vertical	Plugged, Site Released	12	T19S	R32E	I	I-12-19S-32E 1980 FSL 660 FEL	I-12-19S-32E 1980 FSL 660 FEL	DELAWARE	7620	7620
30-025-32276	COG OPERATING LLC	FEDERAL 7	#005	Oil	Vertical	Active	07	T19S	R33E	L	L-07-19S-33E Lot: 3 1980 FSL 660 FWL	L-07-19S-33E Lot: 3 1980 FSL 660 FWL	DELAWARE	7680	7680
30-025-26184	COG OPERATING LLC	FEDERAL 7	#002	Oil	Vertical	Plugged, Site Released	07	T19S	R33E	E	E-07-19S-33E Lot: 2 1980 FNL 660 FWL	E-07-19S-33E Lot: 2 1980 FNL 660 FWL	BONE SPRING	13800	13800
30-025-31608	LEGACY RESERVES OPERATING, LP	NELLIS FEDERAL	#006	Oil	Vertical	Plugged, Site Released	06	T19S	R33E	D	D-06-19S-33E Lot: 4 990 FNL 660 FWL	D-06-19S-33E Lot: 4 990 FNL 660 FWL	YATES	3724	3724
30-025-26091	LEGACY RESERVES OPERATING, LP	NELLIS FEDERAL	#003	Oil	Vertical	Plugged, Site Released	06	T19S	R33E	F	F-06-19S-33E 1980 FNL 1980 FWL	F-06-19S-33E 1980 FNL 1980 FWL	YATES	13715	13715
30-025-29680	LEGACY RESERVES OPERATING, LP	NELLIS FEDERAL	#004	Oil	Vertical	Plugged, Site Released	06	T19S	R33E	G	G-06-19S-33E 1980 FNL 1980 FEL	G-06-19S-33E 1980 FNL 1980 FEL	YATES	3705	3705
30-025-24658	ENDURANCE RESOURCES LLC	LUSK FEDERAL DISPOSAL	#001	Salt Water Disposal	Vertical	Plugged, Site Released	07	T19S	R33E	D	D-07-19S-33E Lot: 1 660 FNL 660 FWL	D-07-19S-33E Lot: 3 660 FNL 660 FWL	QUEEN	4675	4675
30-025-43135	PERMIAN RESOURCES OPERATING LLC	CRAZY WOLF 1 2 B2MM FEDERAL COM	#001H	Oil	Horizontal	Active	01	T19S	R32E	M	M-01-19S-32E 330 FSL 1290 FWL	M-02-19S-32E 349 FSL 332 FWL	BONE SPRING	16500	9471
30-025-31607	AVANT OPERATING, LLC	NELLIS FEDERAL	#005	Oil	Vertical	Active	06	T19S	R33E	E	E-06-19S-33E Lot: 5 1980 FNL 660 FWL	E-06-19S-33E Lot: 5 1980 FNL 660 FWL	YATES	3750	3750
30-025-25782	AVANT OPERATING, LLC	NELLIS FEDERAL	#002	Oil	Vertical	Active	06	T19S	R33E	O	O-06-19S-33E 660 FSL 1980 FEL	O-06-19S-33E 660 FSL 1980 FEL	BONE SPRING	13670	13670
30-025-50994	AVANT OPERATING, LLC	EMERALD FEDERAL COM	#501H	Oil	Horizontal	New	06	T19S	R33E	M	M-06-19S-33E Lot: 7 350 FSL 1190 FWL	D-31-18S-33E Lot: 1 350 FSL 1190 FWL	BONE SPRING	19866	9700
30-025-50997	AVANT OPERATING, LLC	EMERALD FEDERAL COM	#504H	Oil	Horizontal	New	06	T19S	R33E	P	P-06-19S-33E 350 FSL 1280 FEL	A-31-18S-33E 100 FNL 660 FEL	BONE SPRING	20017	9200

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-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

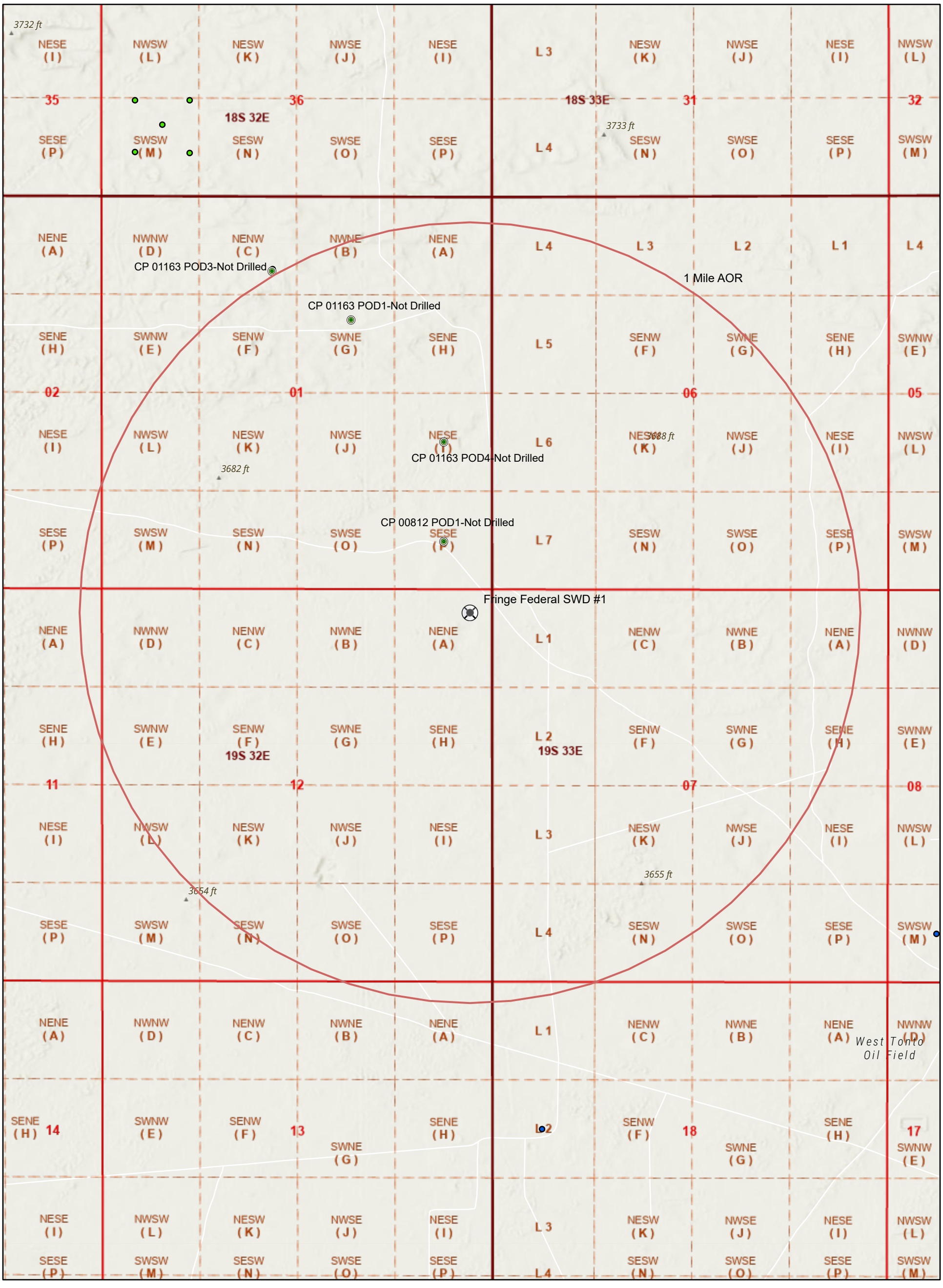
UTMNAD83 Radius Search (in meters):

Easting (X): 620735 **Northing (Y):** 3616679.44 **Radius:** 8000

***UTM location was derived from PLSS - see Help**

XI (a)

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



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

Override 1

Points

Override 1

Override 2

OSE Water PODs

Active

Pending

PLSS Second Division

PLSS First Division

PLSS Townships

1:18,056

0 0.15 0.3 0.6 mi

0 0.25 0.5 1 km

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

get image list

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 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
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 64 16 4	Sec	Tws	Rng	X	Y	Other Location Desc
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	

New Mexico Office of the State Engineer
Water Right Summary

get image list

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 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	563331	DCL	1993-08-04	DCL	PRC	CP 00812	T	0	3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
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 256	Q 64	Q 16	Q 4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
							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	

PERMIAN OILFIELD PARTNERS

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.

Gary Fisher
Manager
Permian Oilfield Partners, LLC.

Date: 2/28/2024

XIII.

PERMIAN OILFIELD PARTNERS

Statement of Notifications

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

Permian Oilfield Partners, LLC has mailed notifications to affected persons as per the following list:

Fringe Federal SWD #1 - Affected Persons within 1 Mile Area of Review

Notified Name	Notifed Address	Notified City, State, ZIP Code	Shipper	Tracking No.	Mailing Date
AVANT OPERATING, LLC	1515 Wynkoop St., Ste. 700	Denver, CO 80202	USPS	9414811899564848714258	3/14/2024
BUREAU OF LAND MANAGEMENT	620 E Greene St.	Carlsbad, NM 88220	USPS	9414811899564848714234	3/14/2024
BURLINGTON RESOURCES OIL & GAS COMPANY LP	P.O. Box 2197	Houston, TX 77252	USPS	9414811899564848714807	3/14/2024
CIMAREX ENERGY CO. OF COLORADO	6001 Deauville Blvd, Ste 300N	Midland, TX 79706	USPS	9414811899564848714715	3/14/2024
COG OPERATING LLC	600 W Illinois Ave	Midland, TX 79701	USPS	9414811899564848714708	3/14/2024
CONOCOPHILLIPS CO	P.O. Box 2197	Houston, TX 77252	USPS	9414811899564848714913	3/14/2024
DEVON ENERGY OPERATING COMPANY LP	333 W Sheridan Ave	Oklahoma City, OK 73102	USPS	9414811899564848714937	3/14/2024
ENDURANCE RESOURCES LLC	15455 Dallas Parkway, Ste 600	Addison, TX 75001	USPS	9414811899564848714654	3/14/2024
EOG RESOURCES, INC.	P.O. Box 2267	Midland, TX 79702	USPS	9414811899564848714647	3/14/2024
JAVELINA PARTNERS	616 Texas St.	Fort Worth, TX 76102	USPS	9414811899564848714128	3/14/2024
LEGACY RESERVES OPERATING, LP	15 Smith Road, Ste 3000	Midland, TX 79705	USPS	9414811899564848714197	3/14/2024
LINDY'S LIVING TRUST	6300 Ridgelea Place, Ste 1005A	Fort Worth, TX 76116	USPS	9414811899564848714333	3/14/2024
LOS SIETE EXPL INC	200 West First Street #648	Roswell, NM 88201	USPS	9414811899564848714425	3/14/2024
MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM 88241	USPS	9414811899564848714555	3/14/2024
NEW MEXICO STATE LAND OFFICE	310 Old Santa Fe Trail	Santa Fe, NM 87501	USPS	9414811899564848714593	3/14/2024
OCCIDENTAL PERMIAN LP	5 Greenway Plaza, Ste. 110	Houston, TX 77046	USPS	9414811899564848715262	3/14/2024
OXY Y-1 CO	5 Greenway Plaza, Ste. 110	Houston, TX 77046	USPS	9414811899564848715811	3/14/2024
PERMIAN RESOURCES OPERATING, LLC	300 N. Marienfeld St., Ste. 1000	Midland, TX 79701	USPS	9414811899564848715842	3/14/2024
RAY WESTALL	P.O. Box 4	Loco Hills, NM 88255	USPS	9414811899564848715798	3/14/2024
SEALY H CAVIN INC	P.O. Box 1125	Roswell, NM 88202	USPS	9414811899564848715910	3/14/2024
SPECIAL ENERGY CORP	P.O. Drawer 369	Stillwater, OK 74076	USPS	9414811899564848715903	3/14/2024
UPLAND PRODUCTION CO	P.O. Box 1327	Edmond, OK 73034	USPS	9414811899564848715651	3/14/2024
WALSH & WATTS INC	155 Walsh Drive	Aledo, TX 76008	USPS	9414811899564848715606	3/14/2024
XTO HOLDINGS	22777 Springwoods Village Pkwy.	Spring, TX 77389	USPS	9414811899564848715156	3/14/2024
ZORRO PARTNERS LTD	616 Texas St.	Fort Worth, TX 76116	USPS	9414811899564848715187	3/14/2024

Sean Puryear
Permian Oilfield Partners, LLC
spuryear@popmidstream.com
Date: 3/14/2024

U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 4848 7142 58

ARTICLE ADDRESSED TO:

Avant Operating, LLC
1515 WYNKOOP ST STE 700
DENVER CO 80202-2062

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

HOBBS, NM 88240 MAR 14 2024 Postmark Here USPS

U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 4848 7142 34

ARTICLE ADDRESSED TO:

Bureau of Land Management
620 E GREENE ST
CARLSBAD NM 88220-6292

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

HOBBS, NM 88240 MAR 14 2024 Postmark Here USPS

U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 4848 7148 07

ARTICLE ADDRESSED TO:

Burlington Res c/o ConocoPhillips
PO BOX 2197
HOUSTON TX 77252-2197

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

HOBBS, NM 88240 MAR 14 2024 Postmark Here USPS

U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 4848 7147 15

ARTICLE ADDRESSED TO:

Cimarex Energy Co. of Colorado
6001 DEAUVILLE STE 300N
MIDLAND TX 79706-2671

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

Postmark Here MAR 14 2024 USPS

U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 4848 7147 08

ARTICLE ADDRESSED TO:

COG Operating LLC
600 W ILLINOIS AVE
MIDLAND TX 79701-4882

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

Postmark Here MAR 14 2024 USPS

U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 4848 7148 13

ARTICLE ADDRESSED TO:

ConocoPhillips Company
PO BOX 2197
HOUSTON TX 77252-2197

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

HOBBS, NM 88240 Postmark Here MAR 14 2024 USPS

U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 4848 7146 37

ARTICLE ADDRESSED TO:

Devon Energy Operating Co, LP
333 W SHERIDAN AVE
OKLAHOMA CITY OK 73102-5010

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

Postmark Here
MAR 14 2024
USPS

U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 4848 7146 54

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Endurance Resources LLC
15455 DALLAS PKWY STE 600
ADDISON TX 75001-6760

FEES	
Postage Per Piece	$4.670
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ARTICLE ADDRESSED TO:

EOG Resources, Inc.
PO BOX 2267
MIDLAND TX 79702-2267

FEES	
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Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7141 28

ARTICLE ADDRESSED TO:

Javelina Partners
616 TEXAS ST
FORT WORTH TX 76102-4696

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Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7141 97

ARTICLE ADDRESSED TO:

Legacy Reserves Operating LP
15 SMITH RD STE 3000
MIDLAND TX 79705-5461

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7143 33

ARTICLE ADDRESSED TO:

Lindy's Living Trust
6300 RIDGELEA PLACE, STE. 1005A
FORT WORTH TX 76116

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7144 25

ARTICLE ADDRESSED TO:

Los Siete Exploration Inc
200 W 1ST ST STE 648
ROSWELL NM 88203-4677

FEES

Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7145 55

ARTICLE ADDRESSED TO:

Mewbourne Oil Co.
PO BOX 5270
HOBBS NM 88241-5270

FEES

Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7145 93

ARTICLE ADDRESSED TO:

New Mexico State Land Office
310 OLD SANTA FE TRL
SANTA FE NM 87501-2708

FEES

Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7152 82

ARTICLE ADDRESSED TO:

Occidental Permian LP
5 GREENWAY PLZ STE 110
HOUSTON TX 77046-0521

FEES

Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7158 11

ARTICLE ADDRESSED TO:

Oxy Y-1 Company
5 GREENWAY PLZ STE 110
HOUSTON TX 77046-0521

FEES

Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7158 42

ARTICLE ADDRESSED TO:

Permian Resources Operating, LLC
300 N MARIENFELD ST STE 1000
MIDLAND TX 79701-4688

FEES

Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7157 98

ARTICLE ADDRESSED TO:

Ray Westall
PO BOX 4
LOCO HILLS NM 88255-0004

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7159 10

ARTICLE ADDRESSED TO:

Sealy H. Cavin Inc.
PO BOX 1125
ROSWELL NM 88202-1125

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7156 03

ARTICLE ADDRESSED TO:

Special Energy Corp
PO BOX 369
STILLWATER OK 74076-0369

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7156 51

ARTICLE ADDRESSED TO:

Upland Production Co
PO BOX 1327
EDMOND OK 73083-1327

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7156 08

ARTICLE ADDRESSED TO:

Walsh & Watts Inc.
155 WALSH DR
ALEDO TX 76008-2930

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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ARTICLE NUMBER: 9414 8118 9956 4848 7151 56

ARTICLE ADDRESSED TO:

XTO Holdings, LLC
22777 SPRINGWOODS VILLAGE PKWY
SPRING TX 77389-1425

FEES	
Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

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U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 4848 7151 87

ARTICLE ADDRESSED TO:

Zorro Partners
616 TEXAS ST
FORT WORTH TX 76102-4696

FEES

Postage Per Piece	$4.670
Certified Fee	4.400
Total Postage & Fees:	9.070

HOBBS, NM 88240
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XIII.

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
March 03, 2024
and ending with the issue dated
March 03, 2024.

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

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.

67115647 00288026

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

PERMIAN OILFIELD PARTNERS

Attachment to C-108
Permian Oilfield Partners, LLC
Fringe Federal SWD #1
315' FNL & 315' FEL
Sec 12, T19S, R32E
Lea County, NM

March 14, 2024

STATEMENT REGARDING SEISMICITY

Examination of the USGS and NMT seismic activity databases shows no historic seismic activity >M2.0 in the area (< 5.64 mile radius, 25 sq. mi.) of the proposed above referenced SWD well. This proposed well is not located within any current Seismic Response Area.

As per NM OCD requirements (injection well to injection well spacing minimum of 1.5 miles), this proposed above referenced SWD well is located 4.8 miles away from the nearest active or permitted Devonian disposal well (Temporarily Abandoned, North Rusk 32 State SWD #1). There is an expired Devonian permit 1.46 miles away (Delek Kodiak SWD #1, expired 1/12/2024) and a pending Devonian application 1.51 miles away (Avant Alpha Wolf SWD #1).

Permian Oilfield Partners does not own any 2D or 3D seismic data in the area of this proposed SWD well. Fault interpretations are based on well to well correlations and publicly available data and software as follows:

1. USGS Quaternary Fault & Fold database shows no quaternary faults in the nearby area.
2. Basement faults as documented in the Snee & Zoback paper, “State of stress in the Permian Basin, Texas and New Mexico: Implications for induced seismicity”, published in the February 2018 issue of the SEG journal, The Leading Edge, along with a method for determining the probability of fault slip in the area.
3. Basement faults as documented in the Horne et al (2021) paper, “Basement-Rooted Faults of the Delaware basin and Central Basin Platform, Permian Basin, West Texas and Southeastern New Mexico”
4. Fault data was also correlated to the publicly available USGS GIS geologic units & structural features database, the NMOCD SWD Applications & Fault Map dated

02/14/2022, to the B3 Insights proprietary faults database, and to fault maps as published in the New Mexico Geological Society Special Publication 13A, "Energy and Mineral Resources of New Mexico: Petroleum Geology," by R. F. Broadhead, 2017.

There are no known faults within the area of interest (< 5.64 mile radius, 25 sq. mi.) of the proposed above referenced SWD well. The nearest known fault is approximately 8 mi (12.9 km) to the west.

1. Due to the relatively large distance to any known fault and the lack of any historic seismic activity in the area, the risk of an induced seismic event due to water injection in this proposed well is negligible. However, Permian Oilfield Partners ran modeling to check for fault slip assuming that any known faults penetrate the Devonian-Silurian injection zone. Software as discussed in #2 above, from the Stanford Center for Induced and Triggered Seismicity, "FSP 1.0: A program for probabilistic estimation of fault slip potential resulting from fluid injection", was used to calculate the probability of the fault being stressed so as to create an induced seismic event.
2. Devonian UIC wells, permits & applications as noted in the table below are included in the FSP analysis.

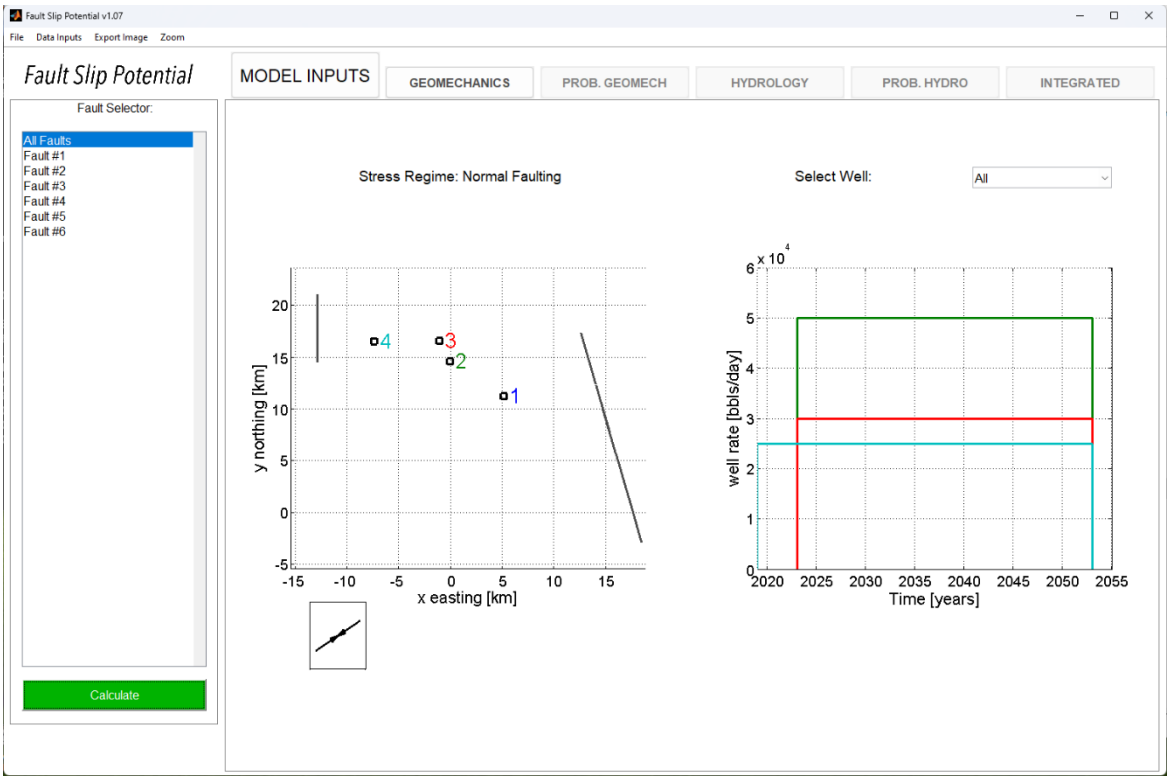
Pending	Outskirts Federal SWD #1	22-19S-33E	32.6523783	-103.6567663	50,000
Pending	Fringe Federal SWD #1	12-19S-32E	32.6812153	-103.7122185	50,000
Pending	Alpha Wolf SWD #1	36-18S-32E	32.7009680	-103.7232640	30,000
Temp. Abdn.	North Rusk 32 State SWD #1	32-18S-32E	32.7009090	-103.7907090	25,000

3. The probability of an induced seismic event is calculated to be 0% after 5, 10, 20, & 30 years as per the FSP results screenshots below.

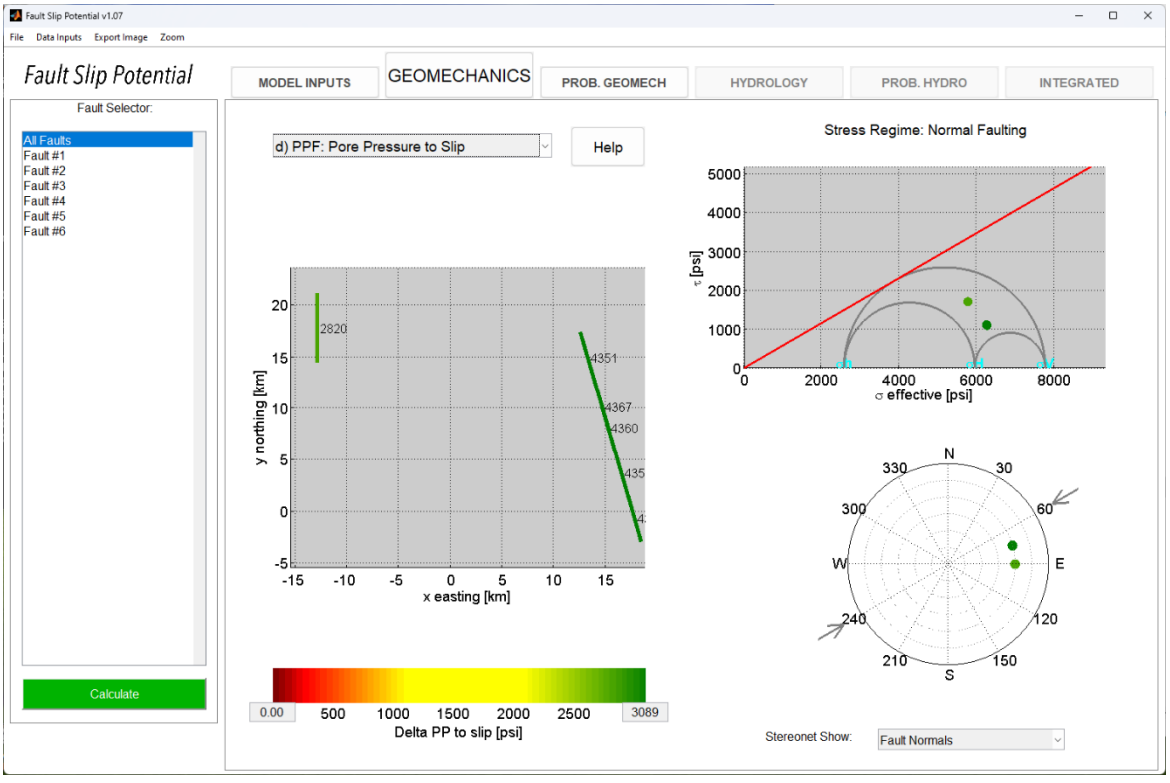
Input assumptions:

Interval height (ft)	970
Average Porosity (%)	5
Vert stress gradient (psi/ft)	1.0
Hor stress direction (deg N)	60
Fault dip (deg)	60
Ref depth (ft)	14640
Initial res press gradient (psi/ft)	0.47
A phi	0.65
Friction coefficient	0.58
Average perm (mD)	20
Fluid density (kg/m3)	1100
Dynamic viscosity (Pa-s)	0.0003
Fluid compressibility (/Pa)	4 e-10
Rock compressibility (/Pa)	1.08 e-09

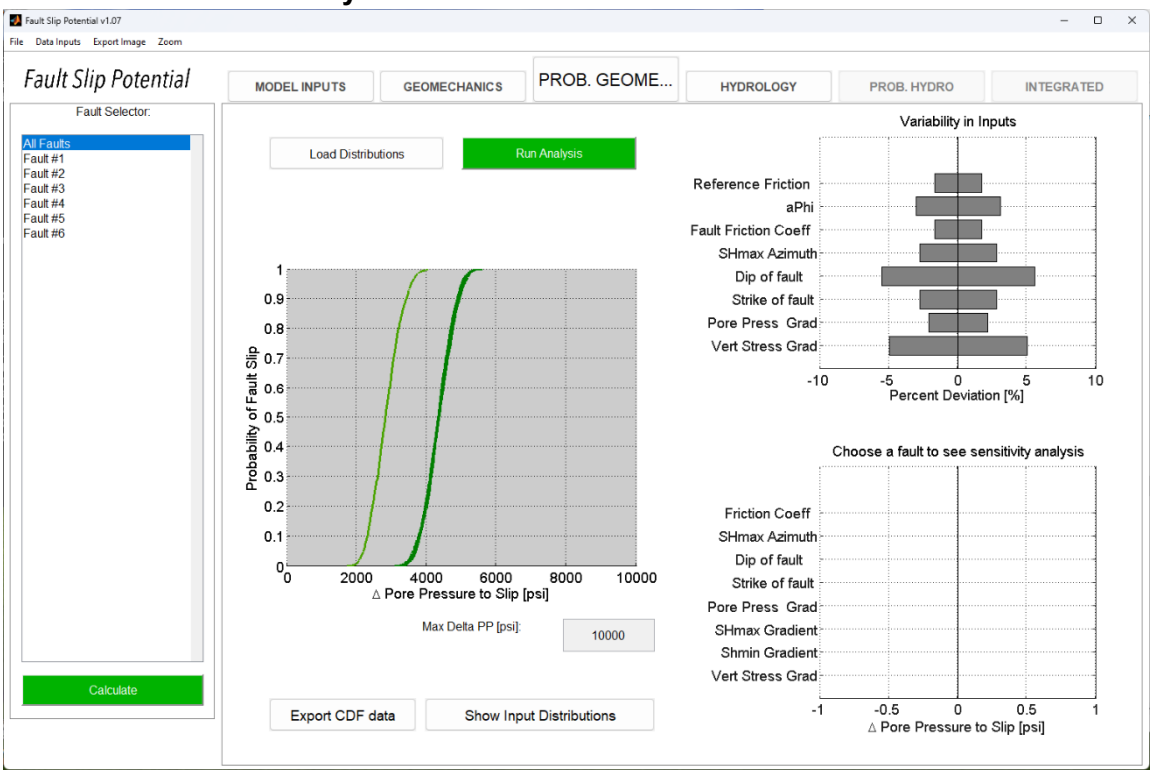
Note: In screenshots below,
Injection Well #1: Prop. Outskirts Fed SWD #1
Injection Well #2: Prop. Fringe Fed SWD #1
Injection Well #3: Alpha Wolf SWD #1
Injection Well #4: North Rusk 32 State SWD #1



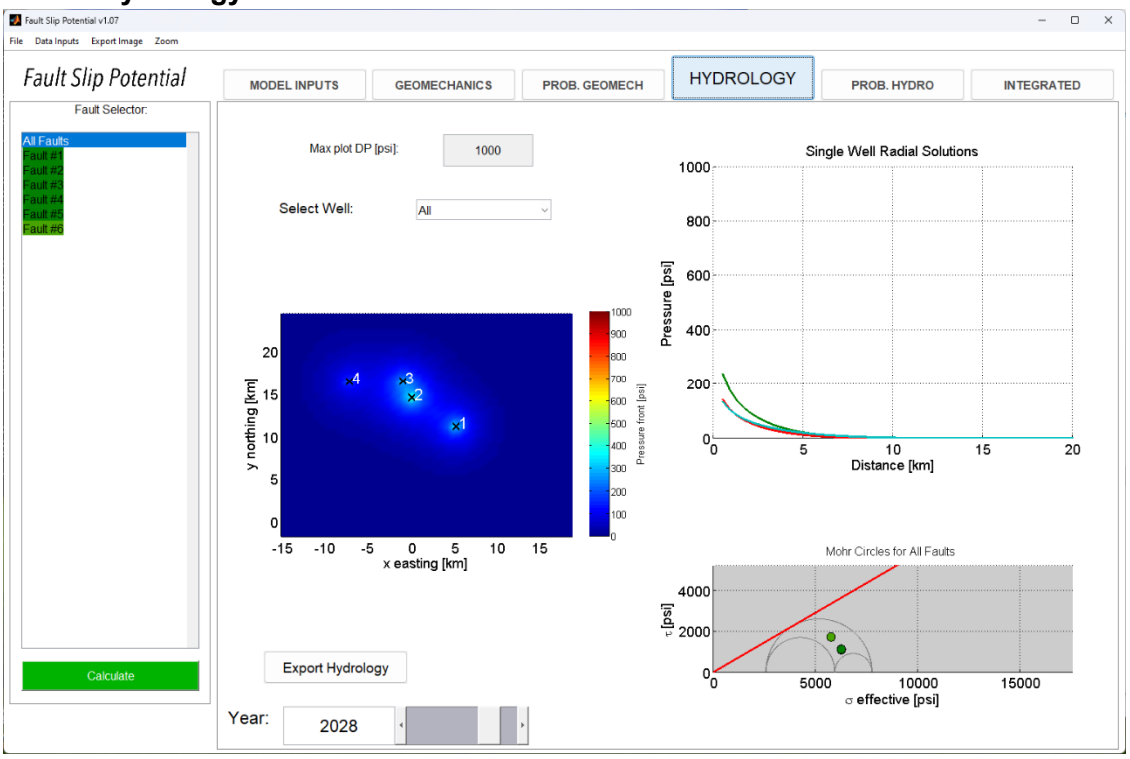
Geomechanics Pore Pressure to Slip



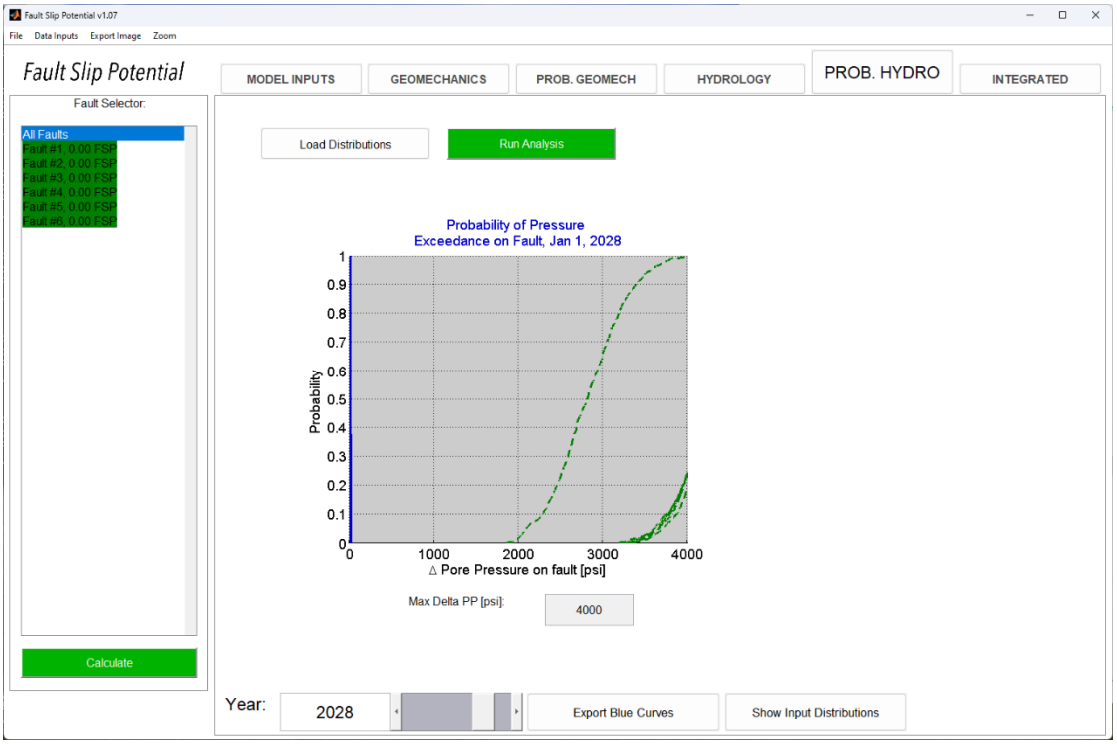
GeoMechanics Variability



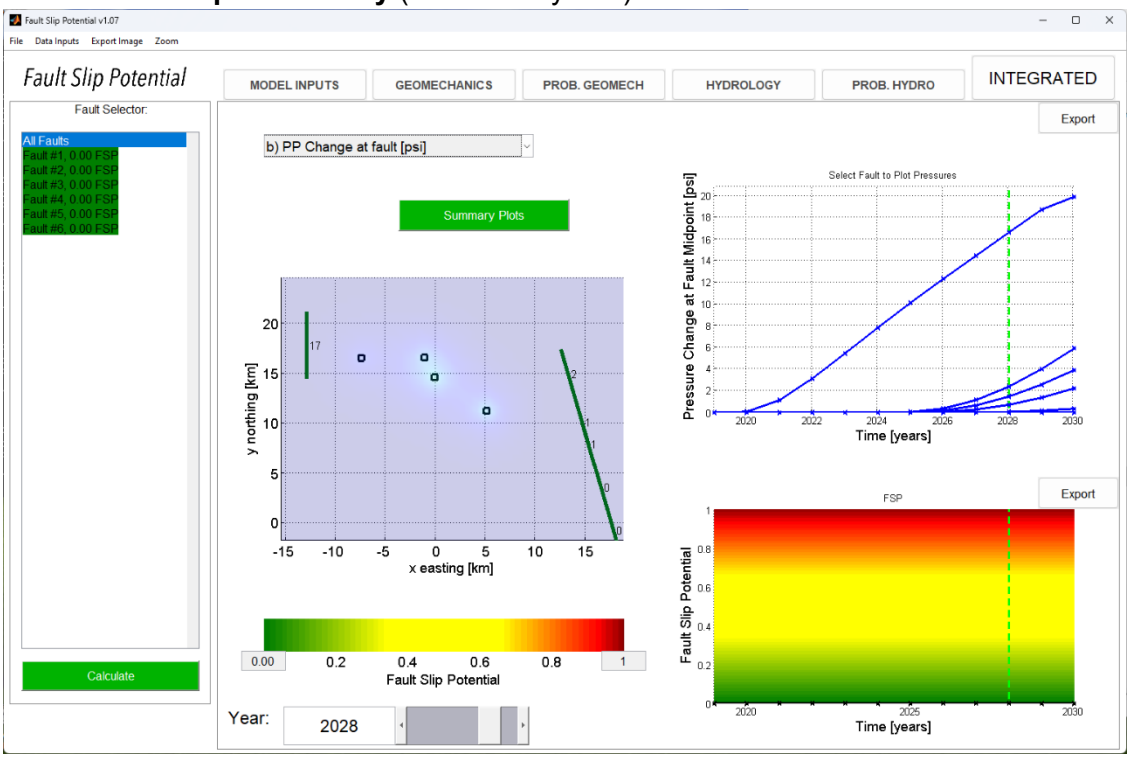
Year 5 Hydrology



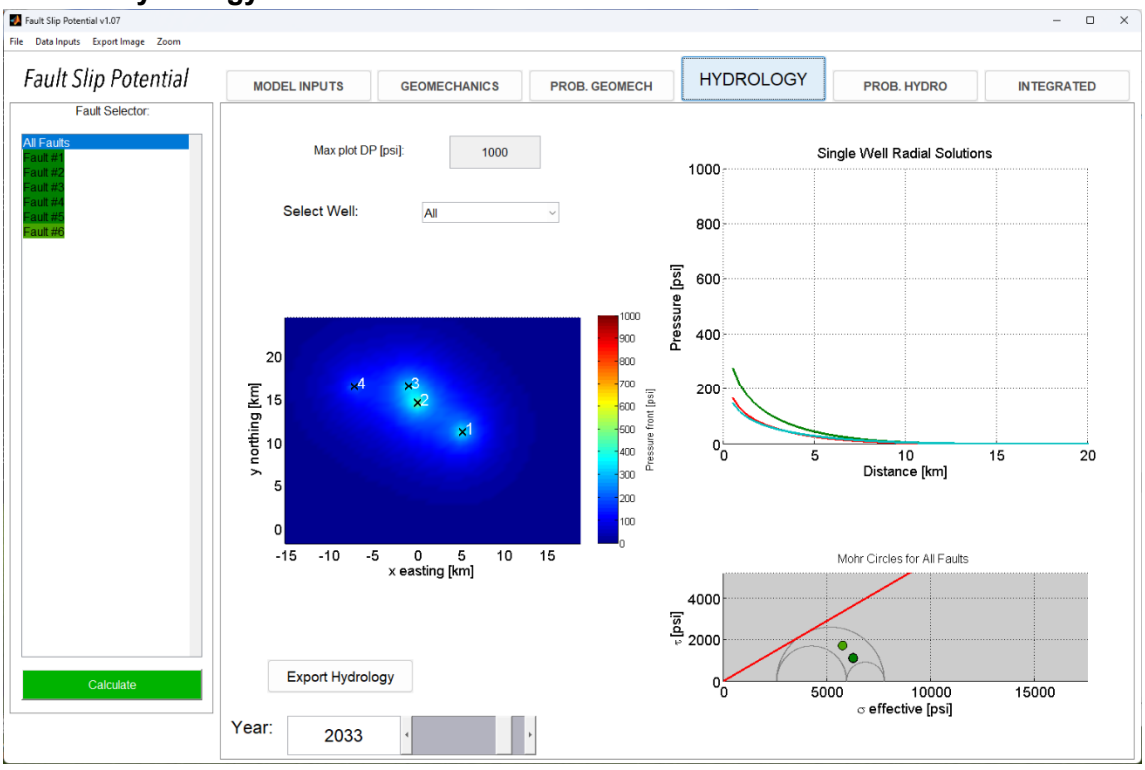
Year 5 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)



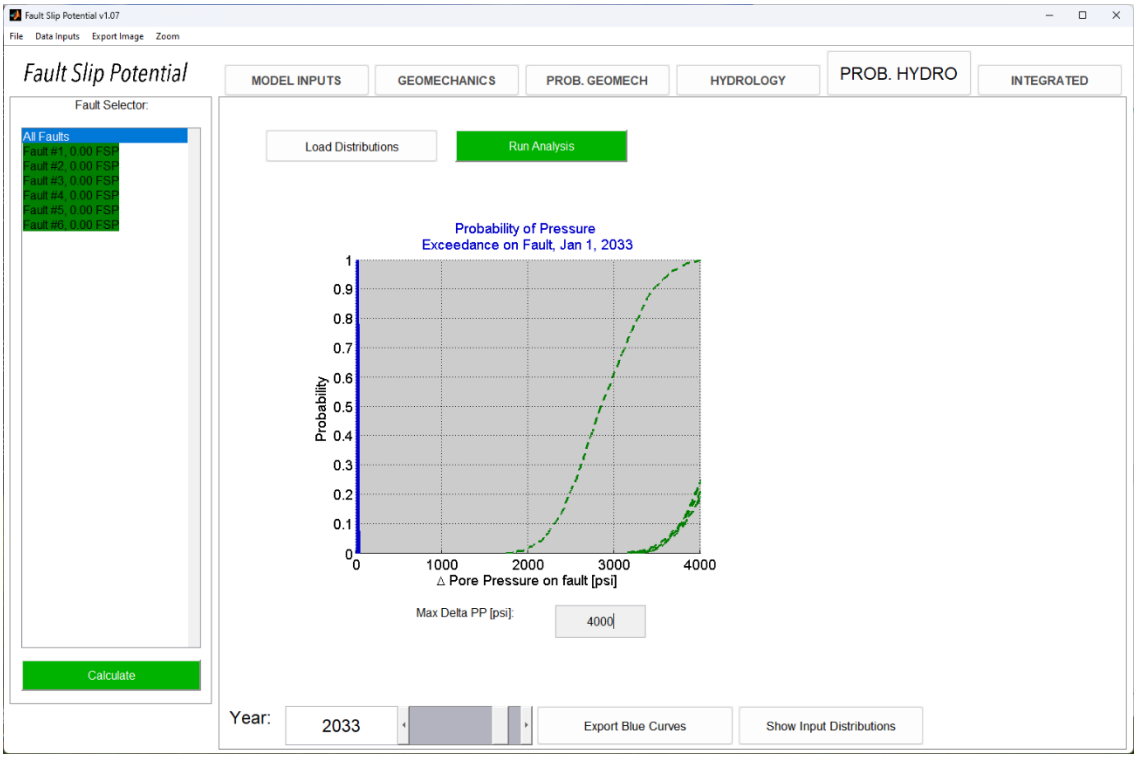
Year 5 Fault Slip Probability (0% after 5 years)



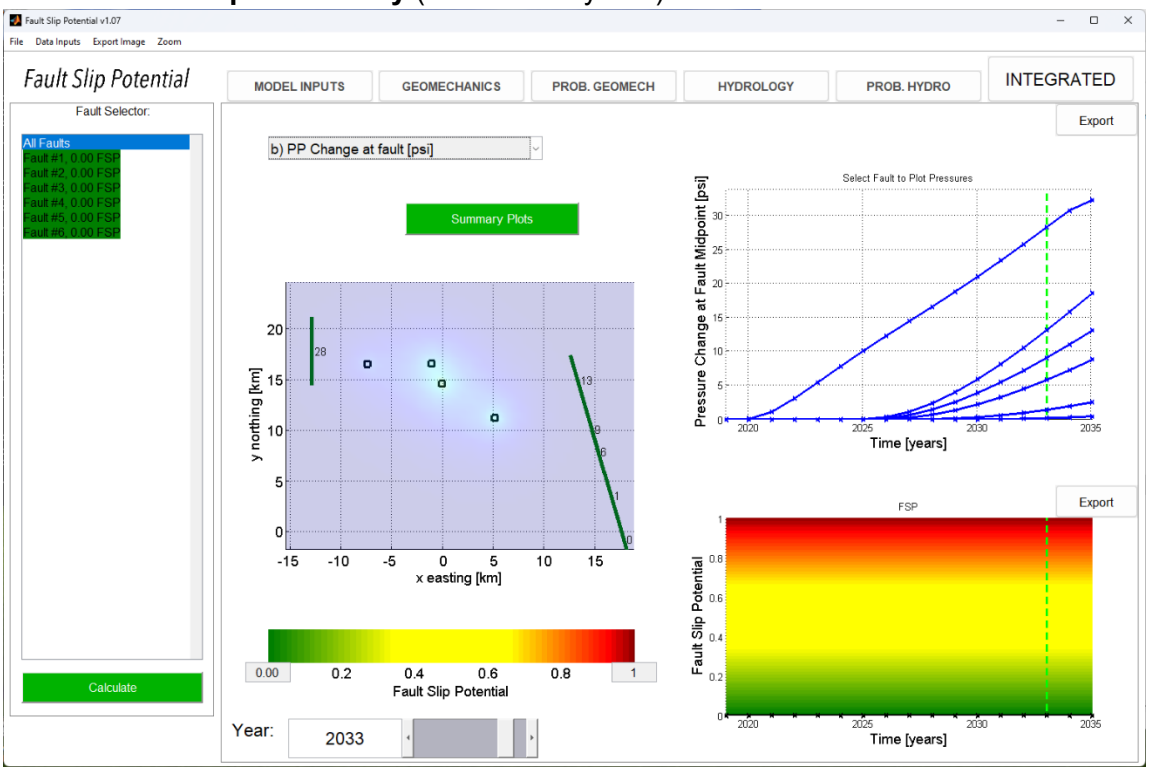
Year 10 Hydrology



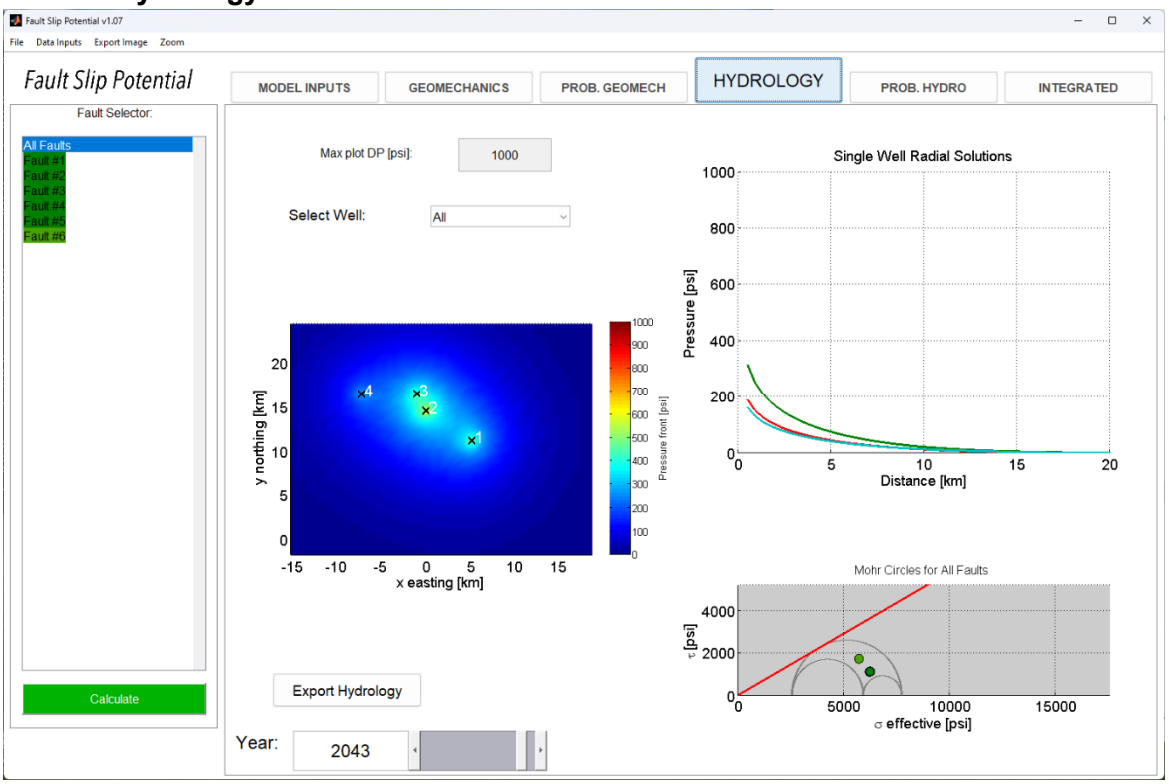
Year 10 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)



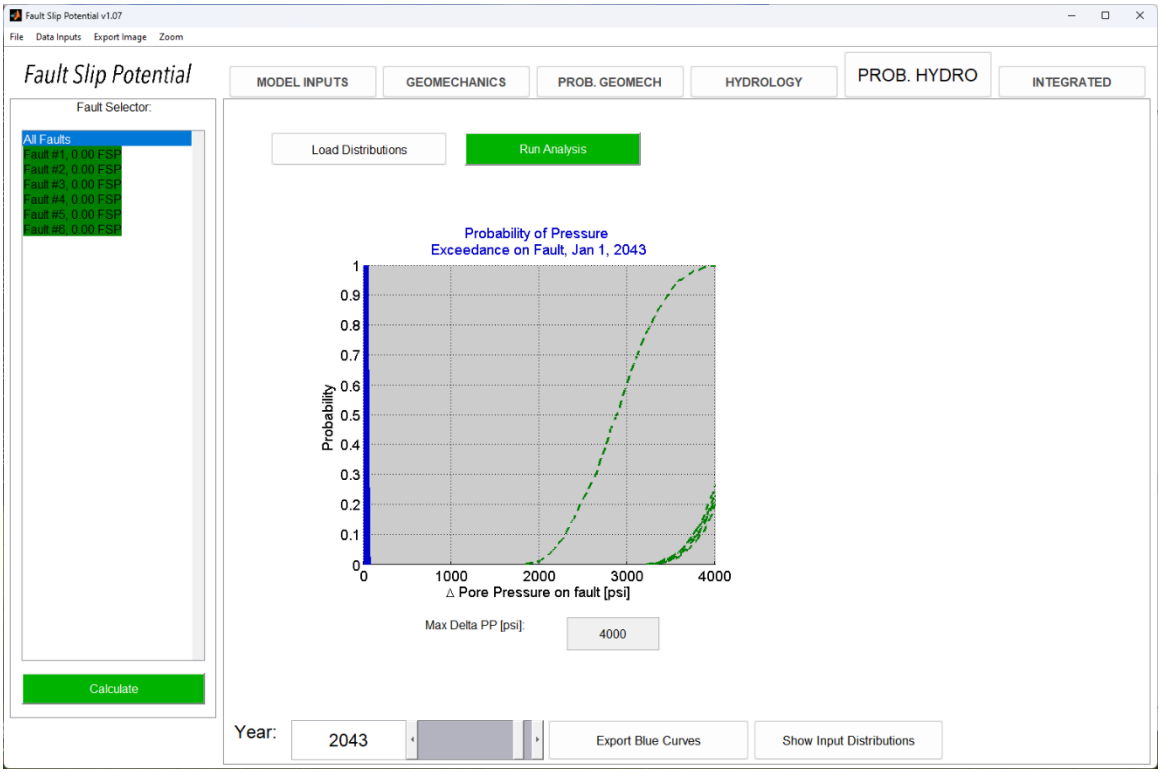
Year 10 Fault Slip Probability (0% after 10 years)



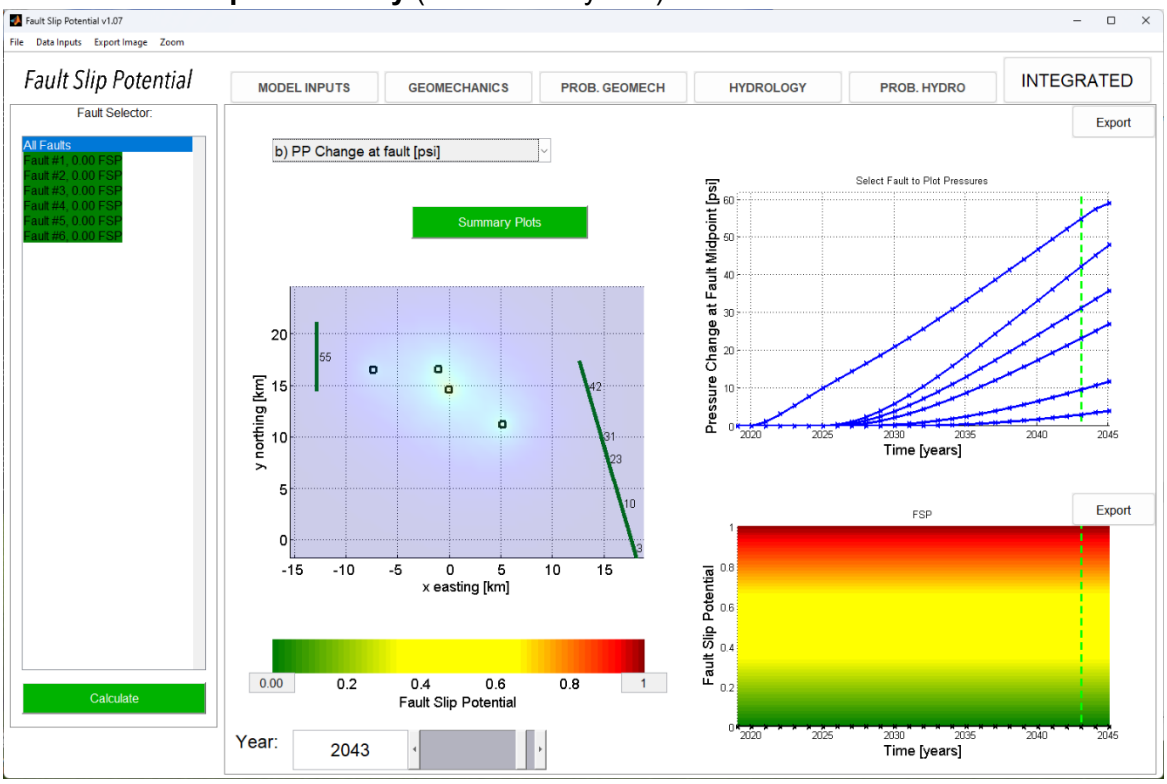
Year 20 Hydrology



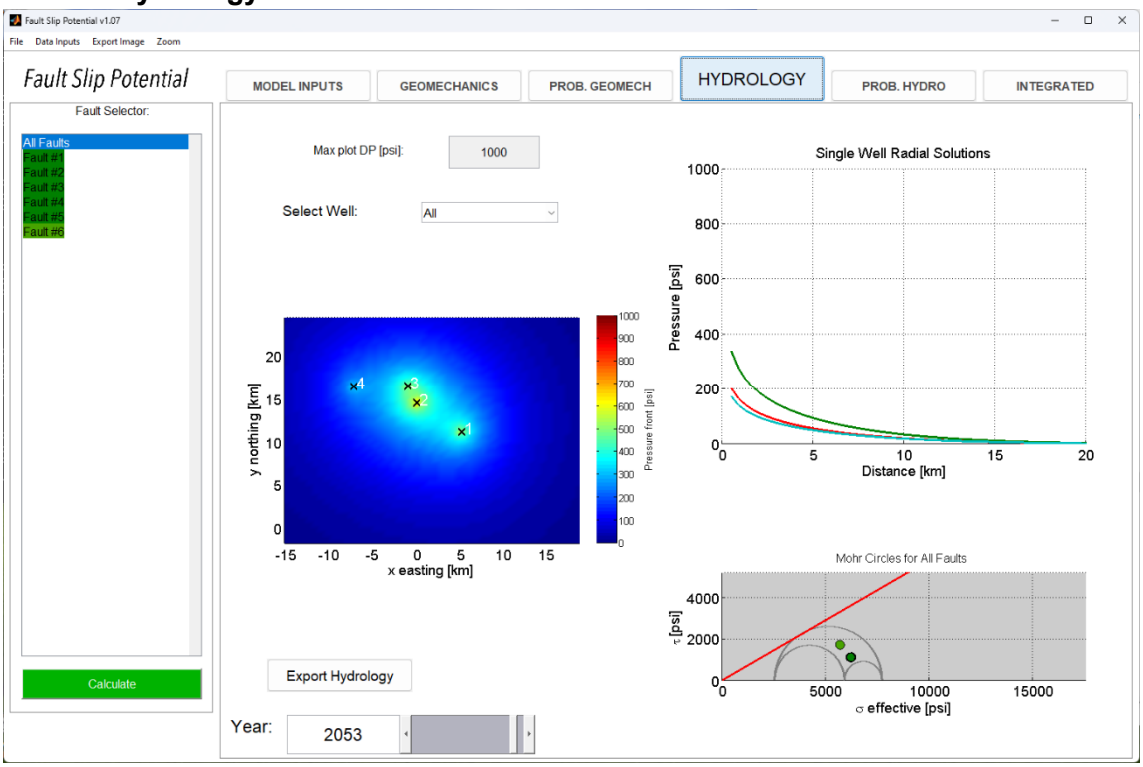
Year 20 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)



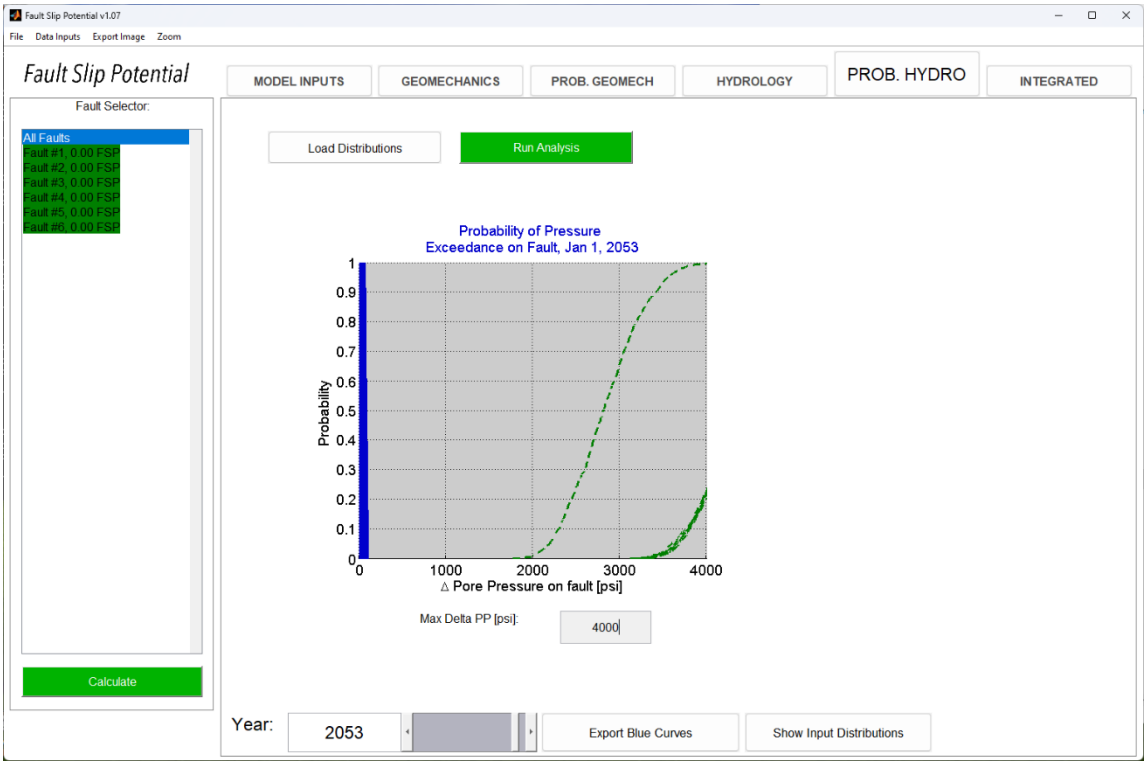
Year 20 Fault Slip Probability (0% after 20 years)



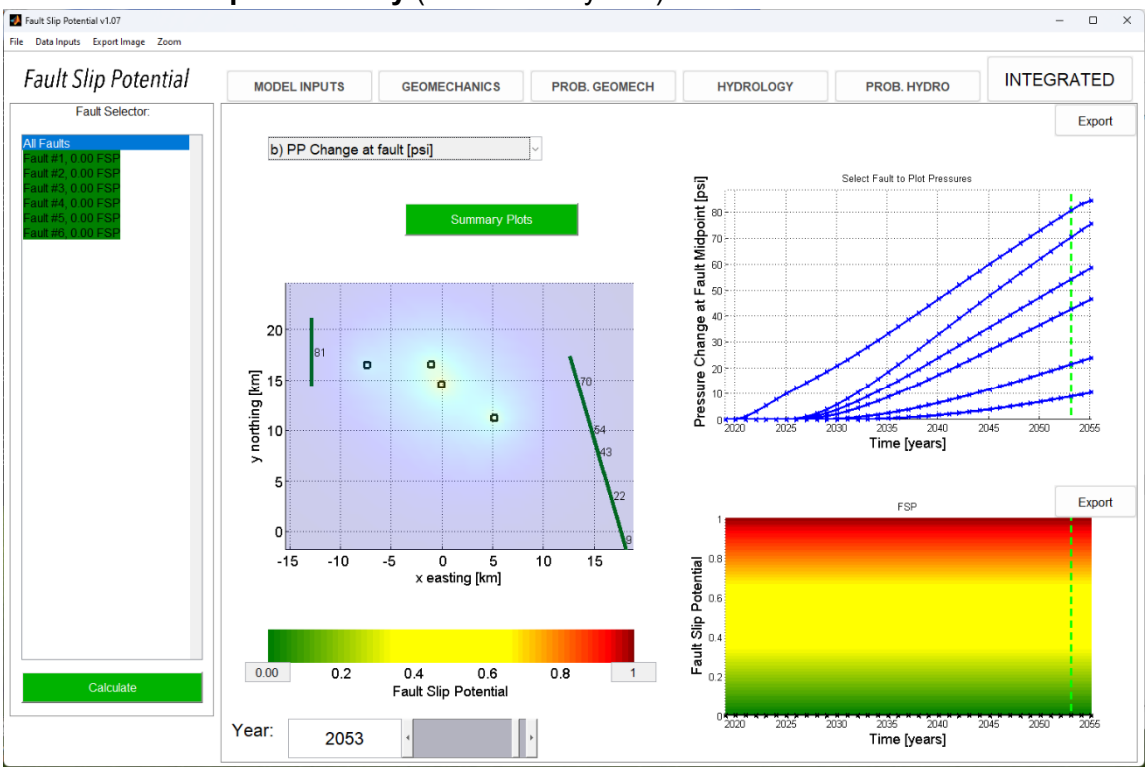
Year 30 Hydrology



Year 30 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)



Year 30 Fault Slip Probability (0% after 30 years)



gfisher@popmidstream.com
(817) 606-7630

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 327238

CONDITIONS

Operator: Permian Oilfield Partners, LLC PO Box 3329 Hobbs, NM 88241	OGRID: 328259
	Action Number: 327238
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	3/27/2024