AE Order Number Banner

Application Number: pEG2520332440

Initial Application Part I

SWD-2663

Permian Oilfield Partners, LLC [328259]

Received: 7/16/2025

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: Southern Joule Federal SWD #1 **API:** 30-015-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.

Sean Puryear
Print or Type Name

Signature

7-2-2025
Date

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: 07-01-2025

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-Silurian: 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, and Morrow formations all above the top of the Devonian at 13,286'.

   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 2,664 psi.

4. Disposal sources will be produced waters from surrounding wells in the Delaware, 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** KB TVD (ft)	**BOTTOM** KB TVD (ft)	**THICKNESS** (ft)
Rustler	408	1,085	677
Salt	1,085	1,950	865
Delaware	2,088	5,664	3,576
Bone Spring	5,664	8,745	3,081
Wolfcamp	8,745	10,721	1,976
Strawn	10,721	10,946	225
Atoka	10,946	11,562	616
Morrow	11,562	12,826	1,264
Mississippi Lime	12,826	13,186	360
Woodford	13,186	13,286	100
Devonian	13,286	13,953	667
Fusselman (Silurian)	13,953	14,398	445
Montoya (U. Ordovician)	14,398	14,698	300
Simpson (M. Ordovician)	14,698	14,898	200

2. Regional shallow fresh water in the Quaternary is known to exist at depths less than 351'. See attached OSE Water Column Depth table for the region. Depth from the bottom of this USDW to the injection zone is 12,935'. This proposed well is approximately 10 miles SE of the nearest 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 active fresh water wells within the proposed well's one-mile area of review. See attached 1-mile AOR water well map showing no active water wells in the AOR.

XII: Hydrologic affirmative statement attached.

XIII: Proof of notice and proof of publication attached.

IIIA-1.

WELL CONSTRUCTION DATA

Permian Oilfield Partners, LLC.
Southern Joule Federal SWD #1
935' FNL, 188' FEL
Sec. 31, T25S, R27E, Eddy Co. NM
Lat 32.0910278° N, Lon 104.2213611° W
GL 3260', RKB 3290'

Surface - (Conventional)

Hole Size: 26" **Casing:** 20" - 94# J-55 BTC Casing
Depth Top: Surface
Depth Btm: 433'
Cement: 248 sks - Class C + Additives
Cement Top: Surface - (Circulate)

Intermediate #1 - (Conventional)

Hole Size: 17.5" **Casing:** 13.375" - 61# J-55 BTC Casing
Depth Top: Surface
Depth Btm: 2113'
Cement: 811 sks - Class C + Additives
Cement Top: Surface - (Circulate)

Intermediate #2 - (Conventional)

Hole Size: 12.25" **Casing:** 9.625" - 40# HCP-110 BTC Casing
Depth Top: Surface
Depth Btm: 8795' **ECP/DV Tool:** 2213'
Cement: 1371 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: 8595'
Depth Btm: 13321'
Cement: 274 sks - Class H + Additives
Cement Top: 8595' - (Volumetric) Verified with CBL

Intermediate #4 - (Open Hole)

Hole Size: 6.5" **Depth:** 14373'
Inj. Interval: 13321' - 14373' (Open-Hole Completion)

Tubing - (Tapered)

Tubing Depth: 13276' **Tubing:** 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
X/O Depth: 8595'
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
Packer Depth: 13286' **Packer:** 5.5" - Perma-Pak or Equivalent (Inconel)
Packer Fluid: FW + Additives

IIIA-2.

WELLBORE SCHEMATIC

Permian Oilfield Partners, LLC.
Southern Joule Federal SWD #1
935' FNL, 188' FEL
Sec. 31, T25S, R27E, Eddy Co. NM
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Hole Size: 12.25"
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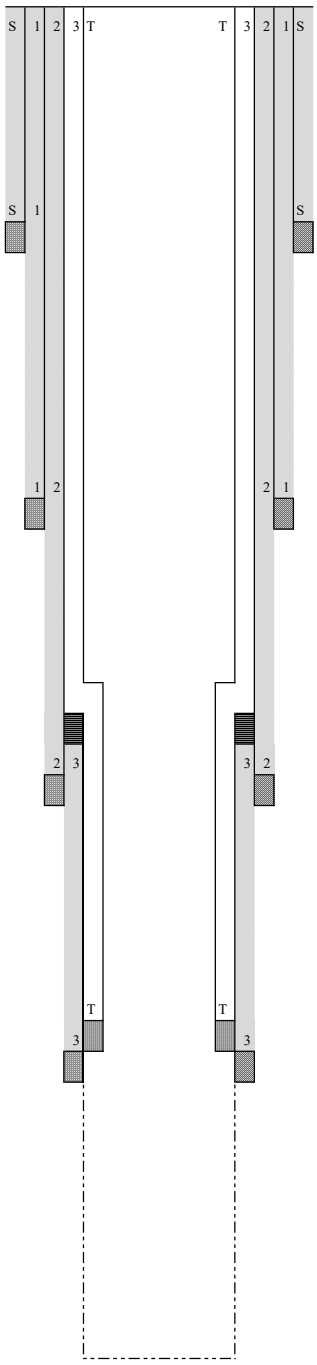
Depth Top: Surface
Depth Btm: 8795'
Cement: 1371 sks - Class C + Additives
Cement Top: Surface - (Circulate)
ECP/DV Tool: 2213'

Intermediate #3 - (Liner)
Hole Size: 8.75"
Casing: 7.625" - 39# HCL-80 FJ Casing
Depth Top: 8595'
Depth Btm: 13321'
Cement: 274 sks - Class H + Additives
Cement Top: 8595' - (Volumetric) Verified with CBL

Intermediate #4 - (Open Hole)
Hole Size: 6.5"
Depth: 14373'
Inj. Interval: 13321' - 14373' (Open-Hole Completion)



Tubing - (Tapered)
Tubing Depth: 13276'
Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
X/O Depth: 8595'
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
Packer Depth: 13286'
Packer: 5.5" - Perma-Pak or Equivalent (Inconel)
Packer Fluid: FW + Additives

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☑ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name	
30-015-	97869	SWD; Devonian-Silurian	
Property Code	Property Name		Well Number
	SOUTHERN JOULE FEDERAL SWD		1
OGRID No. 328259	Operator Name	PERMIAN OILFIELD PARTNERS, LLC	Ground Level Elevation 3260'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☑ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☑ Federal	

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	31	25S	27E		935 FNL	188 FEL	32.0910278°N	104.2213611°W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☐ Horizontal ☑ Vertical	Ground Floor Elevation:

OPERATOR CERTIFICATIONS

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

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature 6/30/2025 Date

Gary Fisher

Printed Name

gfisher@popmidstream.com

Email Address

SURVEYOR CERTIFICATIONS

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

THOMAS AARON FITZHUGH NEW MEXICO 26382 05/29/2025 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

Aaron Fitzhugh

Certificate Number	Date of Survey
26382	05/22/2025

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

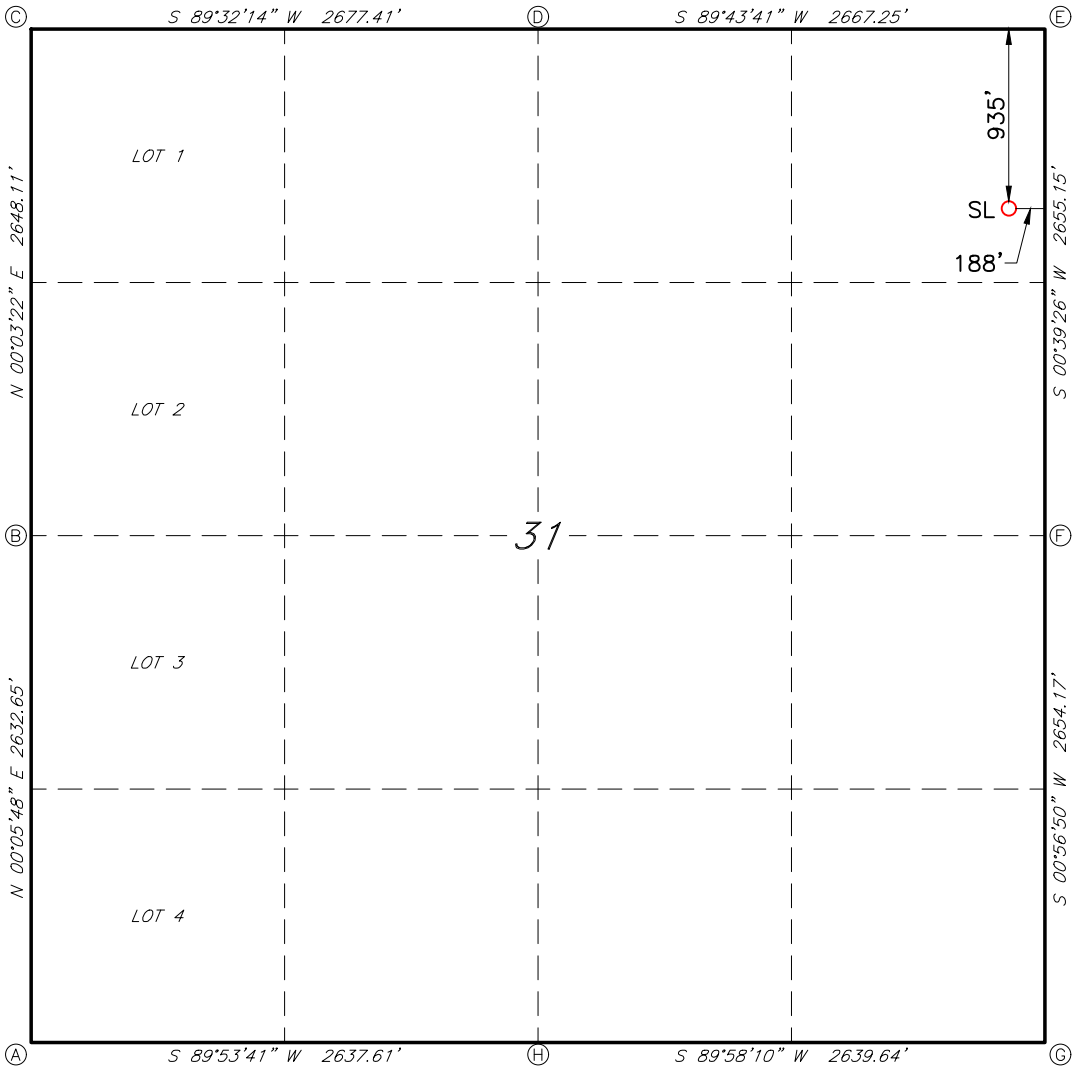
JOB #: LS25050433

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

SOUTHERN JOULE FEDERAL SWD #1



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
935' FNL & 188' FEL SEC.31
N: 396870.8 – E: 576013.2

LAT: 32.0910278° N
LONG: 104.2213611° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1940"
N: 392493.1 – E: 570861.9

B: FOUND BRASS CAP "1940"
N: 395125.1 – E: 570866.4

C: FOUND BRASS CAP "1940"
N: 397772.6 – E: 570869.0

D: FOUND BRASS CAP "1940"
N: 397794.2 – E: 573545.7

E: FOUND BRASS CAP "1940"
N: 397806.9 – E: 576212.3

F: FOUND BRASS CAP "1940"
N: 395152.5 – E: 576181.8

G: FOUND BRASS CAP "1940"
N: 392499.3 – E: 576137.9

H: FOUND BRASS CAP "1940"
N: 392497.9 – E: 573498.9

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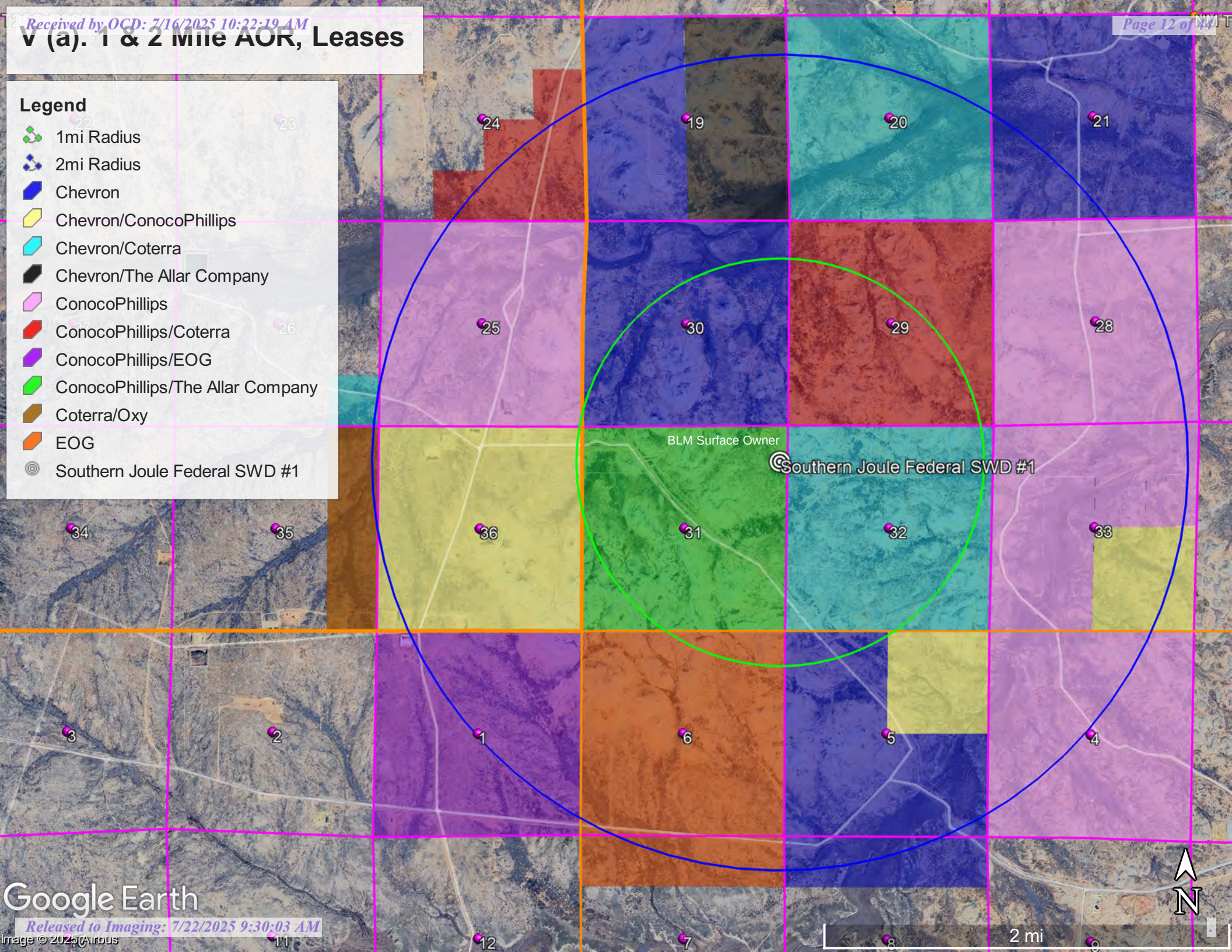
V (a). 1 & 2 Mile AOR, Leases



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V (b). 1 & 2 Mile AOR, Wells

Legend

- 0.5mi Radius - Delaware Injector
- 1mi Radius
- 2mi Radius
- Active Oil and Gas Wells
- Cancelled Wells
- Cottonwood 36 State SWD #001
- Plugged Wells
- Southern Joule Federal SWD #1

30-015-46693
30-015-21053
30-015-21530
30-015-42446
30-015-21186
30-015-55013
30-015-55093
30-015-42976
30-015-43256
30-015-42975
30-015-49514
30-015-44103
30-015-53646
30-015-53648
30-015-22763
30-015-01146
30-015-44147
30-015-56069
30-015-56066
30-015-43202
30-015-42133
30-015-42135
30-015-38643
30-015-41971
30-015-56132
Southern Joule Federal SWD #1
BLM Surface Owner
30-015-23971
30-015-29560
30-015-34016
30-015-56421
30-015-56422
30-015-45184
30-015-39967
30-015-41603
30-015-41628
30-015-44035
30-015-54239
30-015-54243
30-015-45619
30-015-45988
30-015-54244
30-015-37405
30-015-22471
30-015-01145
30-015-35122
30-015-37263
30-015-45355

Google Earth

Image © 2025 Airbus

N

1 mi

VI.

Southern Joule Federal SWD #1 - Wells Within 1 Mile Area of Review									
API	**Operator Name**	**Well Name**	**Well Type**	**Well Status**	**PLSS Location**	**Direction**	**MD**	**TVD**	**Formation**
30-015-42132	COG OPERATING LLC	JACK FEDERAL #002H	Oil	Active	D-31-25S-27E	H	11,762	7,418	BONE SPRING
30-015-38643	COG OPERATING LLC	JACK FEDERAL #001H	Gas	Active	D-31-25S-27E	H	13,679	9,654	WOLFCAMP
30-015-42133	COG OPERATING LLC	JACK FEDERAL #003H	Oil	Active	C-31-25S-27E	H	12,027	3,487	BONE SPRING
30-015-42134	COG OPERATING LLC	JACK FEDERAL #004H	Oil	Active	B-31-25S-27E	H	11,859	7,499	BONE SPRING
30-015-45619	EOG RESOURCES INC	PUNCH BJD FEDERAL #006H	Oil	Cancelled	B-06-26S-27E	N/A	0	0	BONE SPRING
30-015-42135	COG OPERATING LLC	JACK FEDERAL #005H	Oil	Plugged (site released)	A-31-25S-27E	H	11,956	7,513	BONE SPRING
30-015-41084	COTERRA ENERGY OPERATING CO.	COTTONWOOD HILLS 32 STATE COM #002H	Oil	Active	M-32-25S-27E	H	12,092	7,524	BONE SPRING
30-015-39967	COTERRA ENERGY OPERATING CO.	COTTONWOOD HILLS 32 STATE COM #001	Gas	Active	M-32-25S-27E	H	13,586	9,755	WOLFCAMP
30-015-41603	COTERRA ENERGY OPERATING CO.	COTTONWOOD HILLS 32 STATE COM #003	Oil	Active	N-32-25S-27E	H	11,920	7,482	BONE SPRING
30-015-34016	EOG Y RESOURCES, INC.	TAMBORIL BGQ STATE COM #001	Gas	Plugged (site released)	K-32-25S-27E	V	125	125	MORROW
30-015-23971	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	Plugged (site released)	A-32-25S-27E	V	293	293	BONE SPRING
30-015-49513	COTERRA ENERGY OPERATING CO.	SOUTHERN HILLS 32 29 FEDERAL COM #001H	Gas	New	N-32-25S-27E	H	0	0	WOLFCAMP
30-015-49515	COTERRA ENERGY OPERATING CO.	SOUTHERN HILLS 32 29 FEDERAL COM #002H	Gas	New	N-31-25S-27E	H	0	0	WOLFCAMP
30-015-49516	COTERRA ENERGY OPERATING CO.	SOUTHERN HILLS 32 29 FEDERAL COM #004H	Gas	New	N-32-25S-27E	H	0	0	WOLFCAMP
30-015-56066	CHEVRON USA INC	SCREWBALL 30 19 FEDERAL COM #454H	Gas	New	M-30-25S-27E	H	0	0	WOLFCAMP
30-015-56067	CHEVRON USA INC	SCREWBALL 30 19 FEDERAL COM #455H	Gas	New	N-30-25S-27E	H	0	0	WOLFCAMP
30-015-56068	CHEVRON USA INC	SCREWBALL 30 19 FEDERAL COM #456H	Gas	New	N-30-25S-27E	H	0	0	WOLFCAMP
30-015-56069	CHEVRON USA INC	SCREWBALL 30 19 FEDERAL COM #457H	Gas	New	N-30-25S-27E	H	0	0	WOLFCAMP
30-015-56122	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #238H	Oil	New	O-30-25S-27E	H	0	0	BONE SPRING
30-015-56126	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #239H	Oil	New	O-30-25S-27E	H	0	0	BONE SPRING
30-015-56127	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #240H	Oil	New	O-30-25S-27E	H	0	0	BONE SPRING
30-015-56128	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #241H	Oil	New	O-30-25S-27E	H	0	0	BONE SPRING
30-015-56129	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #242H	Oil	New	O-30-25S-27E	H	0	0	BONE SPRING
30-015-56130	CHEVRON USA INC	SCREWBALL 30 19 FEDERAL COM #458H	Oil	New	A-31-25S-27E	H	0	0	WOLFCAMP
30-015-56131	CHEVRON USA INC	SCREWBALL 30 19 FEDERAL COM #459H	Gas	New	A-31-25S-27E	H	0	0	WOLFCAMP
30-015-56132	CHEVRON USA INC	SCREWBALL 30 19 FEDERAL COM #460H	Gas	New	A-31-25S-27E	H	0	0	WOLFCAMP
30-015-56133	CHEVRON USA INC	SCREWBALL 30 19 FEDERAL COM #461H	Gas	New	A-31-25S-27E	H	0	0	WOLFCAMP
30-015-56420	COTERRA ENERGY OPERATING CO.	SOUTHERN HILLS 32 29 FEDERAL COM #005H	Gas	New	N-32-25S-27E	H	0	0	WOLFCAMP
30-015-56421	COTERRA ENERGY OPERATING CO.	SOUTHERN HILLS 32 29 FEDERAL COM #006H	Gas	New	N-32-25S-27E	H	0	0	WOLFCAMP
30-015-56422	COTERRA ENERGY OPERATING CO.	SOUTHERN HILLS 32 29 FEDERAL COM #007H	Gas	New	N-32-25S-27E	H	0	0	WOLFCAMP
30-015-56762	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #283H	Oil	New	M-30-25S-27E	H	0	0	BONE SPRING
30-015-56763	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #284H	Oil	New	N-30-25S-27E	H	0	0	BONE SPRING
30-015-56764	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #285H	Oil	New	N-30-25S-27E	H	0	0	BONE SPRING
30-015-56766	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #286H	Oil	New	N-30-25S-27E	H	0	0	BONE SPRING
30-015-56767	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #138H	Oil	New	O-30-25S-27E	H	0	0	BONE SPRING
30-015-56769	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #140H	Oil	New	O-30-25S-27E	H	0	0	BONE SPRING
30-015-56771	CHEVRON USA INC	GLENLIVET 30 19 FEDERAL COM #141H	Oil	New	O-30-25S-27E	H	0	0	BONE SPRING

VII-4.

Permian Oilfield Partners, LLC.
Southern Joule Federal SWD #1
935' FNL, 188' FEL
Sec. 31, T25S, R27E, Eddy Co. NM
Lat 32.0910278° N, Lon 104.2213611° W
GL 3260', RKB 3290'

Regional Source Water Analysis			
Well Name	**HOPI FEDERAL #001**	**DOC HOLLIDAY 32 STATE COM #001**	**HABANERO 17 FEDERAL COM #001H**
API	3001529367	30-015-41145	30-015-36108
Latitude	32.1610489	32.1804123	32.2218475
Longitude	-104.0430069	-104.220192	-104.2062683
Sec	1	32	17
Township	25S	24S	24S
Range	28E	27E	27E
Unit	F	D	A
Ftg NS	1980N	150N	990N
Ftg EW	1980W	330W	660E
County	Eddy	Eddy	Eddy
State	NM	NM	NM
Field			
Formation	Delaware	2nd Bone Spring Sand	Wolfcamp
Sample Source	Unknown	Unknown	Unknown
pH	6.2	6.7	6.5
TDS_mgL	301,207	193,316	108,205
Sodium_mgL	109,024	59,944	35,110
Calcium_mgL	25,348	8,287	4,480
Iron_mgL	34	63	28
Magnesium_mgL	2,749	1,065	627
Manganese_mgL		1	0.6
Chloride_mgL	221,998	120,600	65,927
Bicarbonate_mgL	74	170	146
Sulfate_mgL	84	17	0
CO2_mgL		350	300

VII-5.

Permian Oilfield Partners, LLC.
Southern Joule Federal SWD #1
935' FNL, 188' FEL
Sec. 31, T25S, R27E, Eddy Co. NM
Lat 32.0910278° N, Lon 104.2213611° W
GL 3260', RKB 3290'

Devonian Injection Zone Water Analysis		
Well Name	**WHITE CITY PENN GAS COM UNIT 1 #001**	**JURNEGAN POINT #001**
API	30-015-00408	30-015-10280
Latitude	32.1937523	32.2405243
Longitude	-104.3088455	-104.423912
Sec	29	5
Township	24S	24S
Range	26E	25E
Unit	A	M
Ftg NS	660N	660S
Ftg EW	660E	660W
County	Eddy	Eddy
State	NM	NM
Field		
Formation	Devonian	Devonian
Sample Source	Drill Stem Test	Drill Stem Test
pH	7	7
TDS_mgL	19,065	229,706
Chloride_mgL	10,120	136,964
Bicarbonate_mgL	653	198
Sulfate_mgL	1,336	2,511
Calcium_mgL	1,002	
Magnesium_mgL	132	

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 smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 01013		C	ED			SE	25	25S	26E	571505.0	3551456.0 *		2079	245		
C 04078 POD1		CUB	ED	SW	SE	NW	33	25S	27E	575666.9	3550363.4		2233	157	20	137
C 04079 POD1		CUB	ED	NW	NE	SW	33	25S	27E	575658.4	3550092.4		2292	226	20	206
C 02221		CUB	ED	SE	SW	NE	25	25S	26E	571412.0	3551961.0 *		2371	35		
C 02588		C	ED	SW	SE	SW	33	25S	27E	575645.0	3549575.0 *		2487	81	19	62
C 02219		CUB	ED	SE	SE	SE	05	26S	27E	575033.0	3547948.0 *		3241	35		
C 03261 POD1		CUB	ED	SW	NE	NW	20	25S	27E	574007.0	3554006.0 *		3258	351		
C 02218		CUB	ED	SE	NW	SE	07	26S	27E	573039.0	3546725.0 *		4089	35		
C 03654 POD1		CUB	ED	NE	SW	NW	24	25S	26E	570654.5	3553773.1		4104			
C 02220		CUB	ED	SW	NW	NE	26	25S	26E	569598.0	3552352.0 *		4179	35		
C 02438		CUB	ED	SE	NE	SW	12	26S	26E	571015.0	3546705.0 *		4769	30		

Average Depth to Water: **19 feet**

Minimum Depth: **19 feet**

Maximum Depth: **20 feet**

Record Count: 11

Basin/County Search:
County: ED

UTM Filters (in meters):
Easting: 573474.844
Northing: 3550790.758
Radius: 4828

*** 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.

XI. Southern Joule Federal SWD #1 POD Location Map

6/26/2025, 3:28:31 PM

GIS WATERS PODs

Active

OSE District Boundary

Note: No PODs within 1 mile Area of Review.

1:18,056

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Online web user

This is an unofficial map from the OSE's online application.

PERMIAN OILFIELD PARTNERS

Item XII. Affirmative Statement

Re: C-108 Application for Authorization to Inject
Permian Oilfield Partners, LLC
Southern Joule Federal SWD #1
935' FNL & 188' FEL
Sec 31, T25S, R27E
Eddy 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: 6/26/2025

PERMIAN OILFIELD PARTNERS

Statement of Notifications

Re: C-108 Application for SWD Well
Permian Oilfield Partners, LLC
Southern Joule Federal SWD #1
935' FNL & 188' FEL
Sec 31, T25S, R27E
Eddy County, NM

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

Southern Joule 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
BUREAU OF LAND MANAGEMENT	620 E Greene St.	Carlsbad, NM 88220	USPS	9414811899560073698073	7/3/2025
CHEVRON USA	6301 Deauville Blvd	Midland, TX 79706	USPS	9414811899560073698455	7/3/2025
CIVITAS PERMIAN OPERATING, LLC	555 17th St, Ste 3700	Denver, CO 80202	USPS	9414811899560073698462	7/3/2025
CONOCOPHILLIPS (COG Operating)	P.O. Box 2197	Houston, TX 77252	USPS	9414811899560073698424	7/3/2025
COTERRA ENERGY (Cimarex)	6001 Deauville Blvd, Ste 300N	Midland, TX 79706	USPS	9414811899560073698400	7/3/2025
EOG RESOURCES INC	P.O. Box 2267	Midland, TX 79702	USPS	9414811899560073698493	7/3/2025
NEW MEXICO STATE LAND OFFICE	310 Old Santa Fe Trail	Santa Fe, NM 87501	USPS	9414811899560073698431	7/3/2025

Sean Puryear
Permian Oilfield Partners, LLC
spuryear@popmidstream.com
Date: 7/3/2025

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

ARTICLE NUMBER: 9414 8118 9956 0073 6980 73

ARTICLE ADDRESSED TO:

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

FEES	
Postage Per Piece	2.59
Certified Fee	4.85
Total Postage & Fees:	$10.06

HOBBS, NM 88240 JUL – 3 2025 USPS

Postmark Here

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

ARTICLE NUMBER: 9414 8118 9956 0073 6984 55

ARTICLE ADDRESSED TO:

Chevron USA
6301 DEAUVILLE
MIDLAND TX 79706-2964

FEES	
Postage Per Piece	2.59
Certified Fee	4.85
Total Postage & Fees:	$10.06

HOBBS, NM 88240 JUL – 3 2025 USPS

Postmark Here

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

ARTICLE NUMBER: 9414 8118 9956 0073 6984 62

ARTICLE ADDRESSED TO:

Civitas Permian Operating LLC
555 17TH ST STE 3700
DENVER CO 80202-3906

FEES	
Postage Per Piece	2.59
Certified Fee	4.85
Total Postage & Fees:	$10.06

HOBBS, NM 88240 JUL – 3 2025 USPS

Postmark Here

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

ARTICLE NUMBER: 9414 8118 9956 0073 6984 24

ARTICLE ADDRESSED TO:

ConocoPhillips Company
PO BOX 2197
HOUSTON TX 77252-2197

FEES	
Postage Per Piece	2.59
Certified Fee	4.85
Total Postage & Fees:	$10.06

HOBBS, NM 88240 JUL – 3 2025 USPS

Postmark Here

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

ARTICLE NUMBER: 9414 8118 9956 0073 6984 00

ARTICLE ADDRESSED TO:

Coterra Energy
6001 DEAUVILLE STE 300N
MIDLAND TX 79706-2671

FEES	
Postage Per Piece	2.59
Certified Fee	4.85
Total Postage & Fees:	$10.06

HOBBS, NM 88240 JUL – 3 2025 USPS

Postmark Here

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

ARTICLE NUMBER: 9414 8118 9956 0073 6984 93

ARTICLE ADDRESSED TO:

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

FEES	
Postage Per Piece	2.59
Certified Fee	4.85
Total Postage & Fees:	$10.06

HOBBS, NM 88240 JUL – 3 2025 USPS

Postmark Here

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

ARTICLE NUMBER: 9414 8118 9956 0073 6984 31

ARTICLE ADDRESSED TO:

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

HOBBS, NM 88240
JUL - 3 2025
USPS

FEES

Postage Per Piece	2.59
Certified Fee	4.85
Total Postage & Fees:	**$10.06**

Postmark Here

AFFIDAVIT OF PUBLICATION

CARLSBAD CURRENT-ARGUS
PO BOX 507
HUTCHINSON, KS 67504-0507

STATE OF NEW MEXICO } SS
COUNTY OF EDDY }

Account Number: 564
Ad Number: 53280
Description: Southern Joule Fed SWC #1
Ad Cost: $61.43

Sherry Groves, being first duly sworn, says:

That she is the Agent of the the Carlsbad Current-Argus, a Weekly newspaper of general circulation, printed and published in Carlsbad, Eddy County, New Mexico; that the publication, a copy of which is attached hereto, was published in said newspaper on the following dates:

July 3, 2025

That said newspaper was regularly issued and circulated on those dates.
SIGNED:

Sherry Groves

Agent

Subscribed to and sworn to me this 3rd day of July 2025.

Leanne Kaufenberg

Leanne Kaufenberg, Notary Public, Redwood County Minnesota

PUBLIC NOTICE

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 saltwater disposal well in Eddy County, New Mexico. The proposed well is the Southern Joule Federal SWD #1, and is located 935' FNL & 188' FEL, Unit A, Section 31, Township 25 South, Range 27 East, NMPM, approximately 11 mi SE of Whites City, NM. The well will dispose of water produced from nearby oil and gas wells into the Devonian and Fusselman (Silurian) formations from a depth of 13,321 feet to 14,373 feet. The maximum expected injection rate is 50,000 BWPD at a maximum surface injection pressure of 2,664 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.

Published in the Carlsbad Current-Argus July 3, 2025.
#

LEANNE JOY KAUFENBERG
Notary Public
State of Minnesota
My Commission Expires
January 31, 2030

GARY FISHER
PERMIAN OILFIELD PARTNERS
PO BOX 3329

gfisher@popmidstream.com

Attachment to C-108
Permian Oilfield Partners, LLC
Southern Joule Federal SWD #1
935' FNL & 188' FEL
Sec 31, T25S, R27E
Eddy County, NM

July 1, 2025

STATEMENT REGARDING SEISMICITY

Examination of the USGS, TexNet 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 2.56 miles away from the nearest active or permitted Devonian disposal well (Liberty 24 Fed Com #1, 30-015-33094, SWD-1216).

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. USGS State Geologic Map Compilation (SGMC) geodatabase of the conterminous United States
3. 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.
4. 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”

5. Fault data was also correlated to the NMOCD SWD Applications & Fault Map dated 02/14/2022, 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 is a known fault structure within the area of interest (< 5.64 mile radius, 25 sq. mi.) of the proposed above referenced SWD well, approximately 5.0 mi (8.3 km) to the NE.

1. 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 2.0: 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.

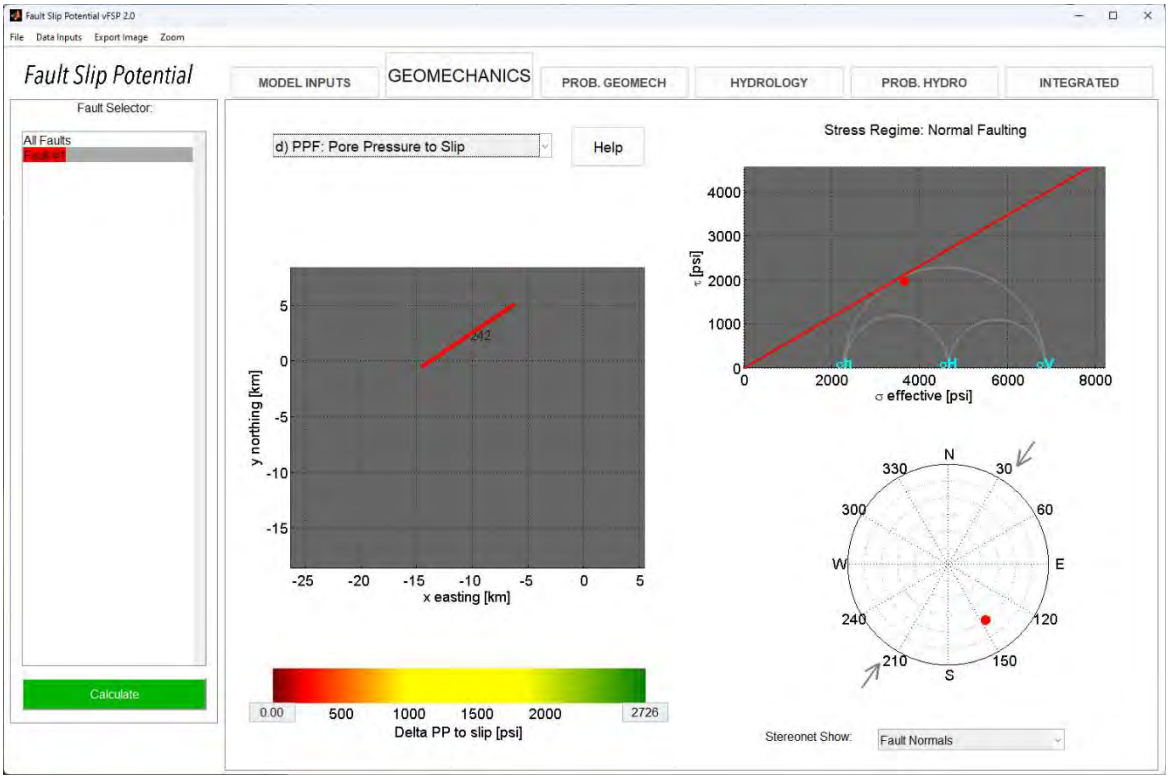
Well Name	UIC Order	PLSS	Lat	Lon	Rate (bbl/day)	Injection Start	Well # in images below
Infinity State SWD #1	Proposed	22-25S-27E	32.115153	-104.169894	50000	2026	1
Southern Joule Fed SWD #1	Proposed	31-25S-27E	32.091028	-104.221361	50000	2026	2
Liberty 24 Fed Com #1	SWD-1216	24-25S-26E	32.118126	-104.250984	21300	2004	3
Dignitas 26 State SWD #1	SWD-1818	26-25S-27E	32.098846	-104.152820	14500	2019	4

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:

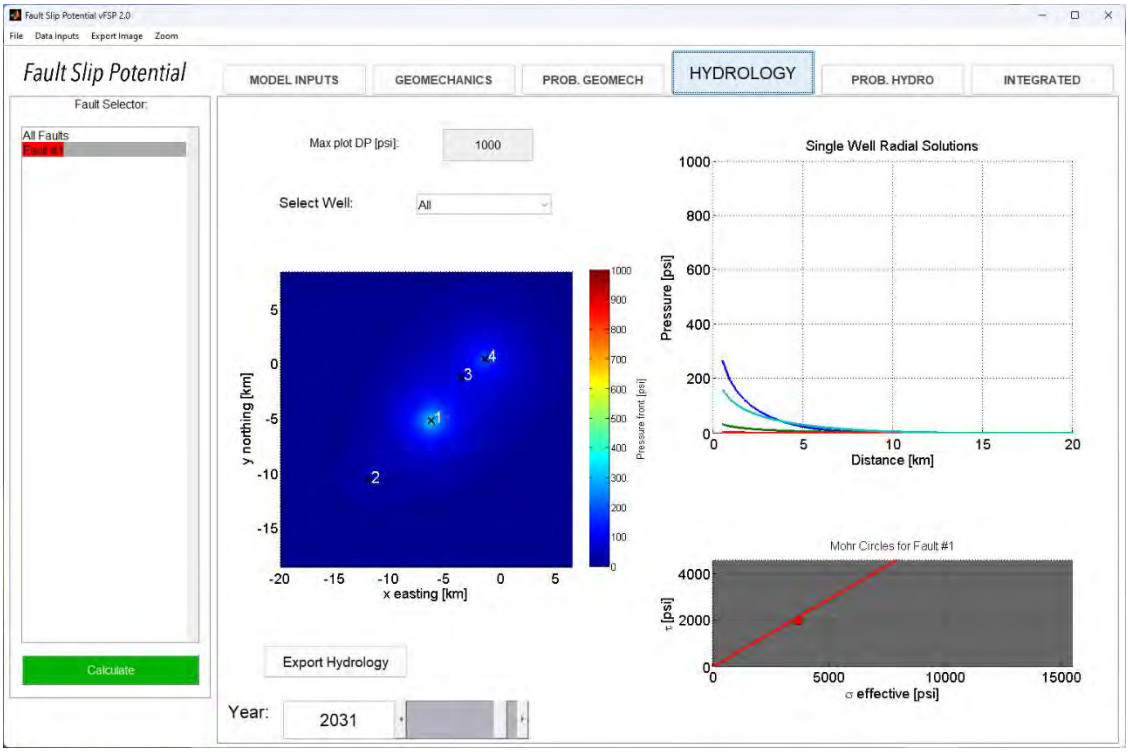
Interval height (ft)	1052
Average porosity (%)	5
Vert stress gradient (psi/ft)	1.0
Hor stress direction (deg N)	35
Fault dip (deg)	60
Reference depth (ft)	13321
Initial res press gradient (psi/ft)	0.47
A phi	0.52
Friction coefficient	0.58
Average perm (mD)	20
Fluid density (kg/m3)	1100
Dynamic viscosity (Pa-s)	0.0003
Fluid compressibility (/Pa)	4 e-10
Rock compressibility (/Pa)	1.08 e-09

Geomechanics Pore Pressure to Slip



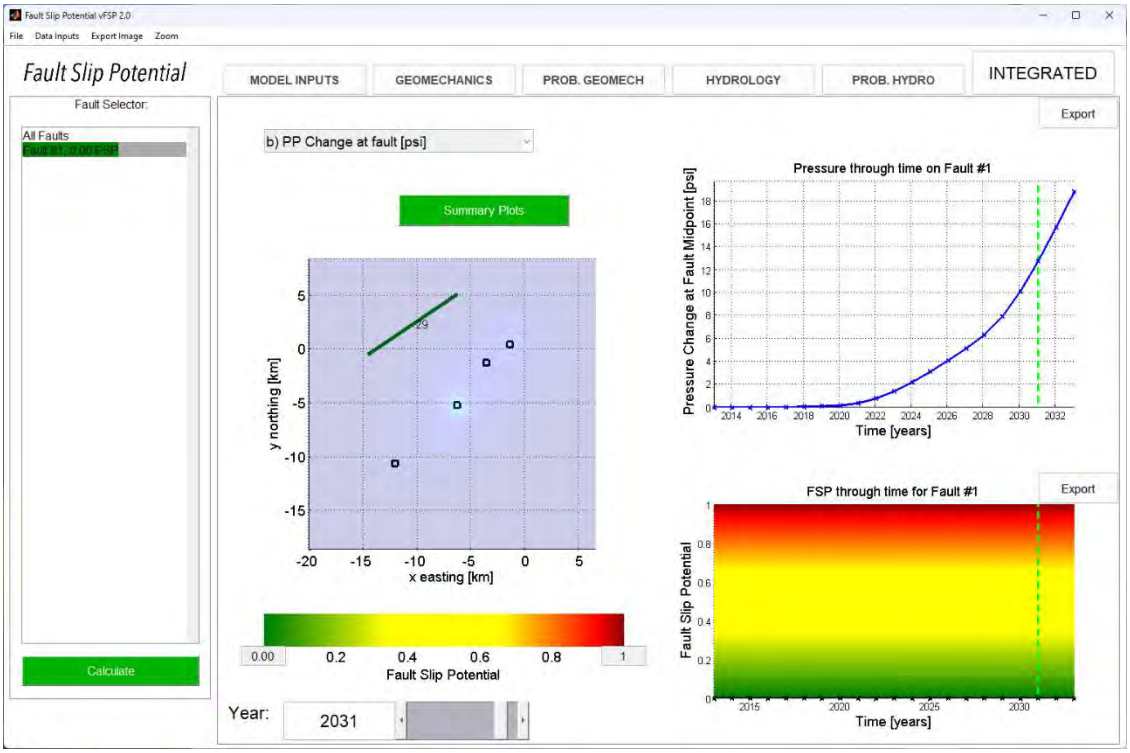
GeoMechanics Variability

Year 5 Hydrology

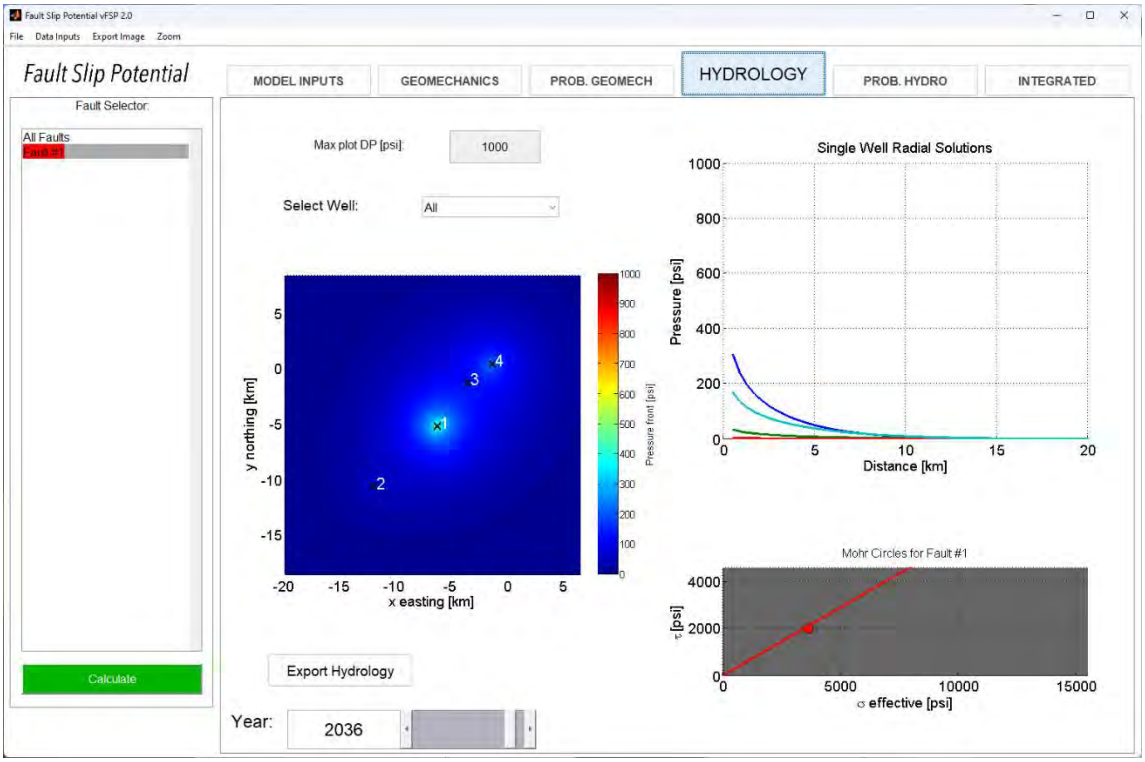


Year 5 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)

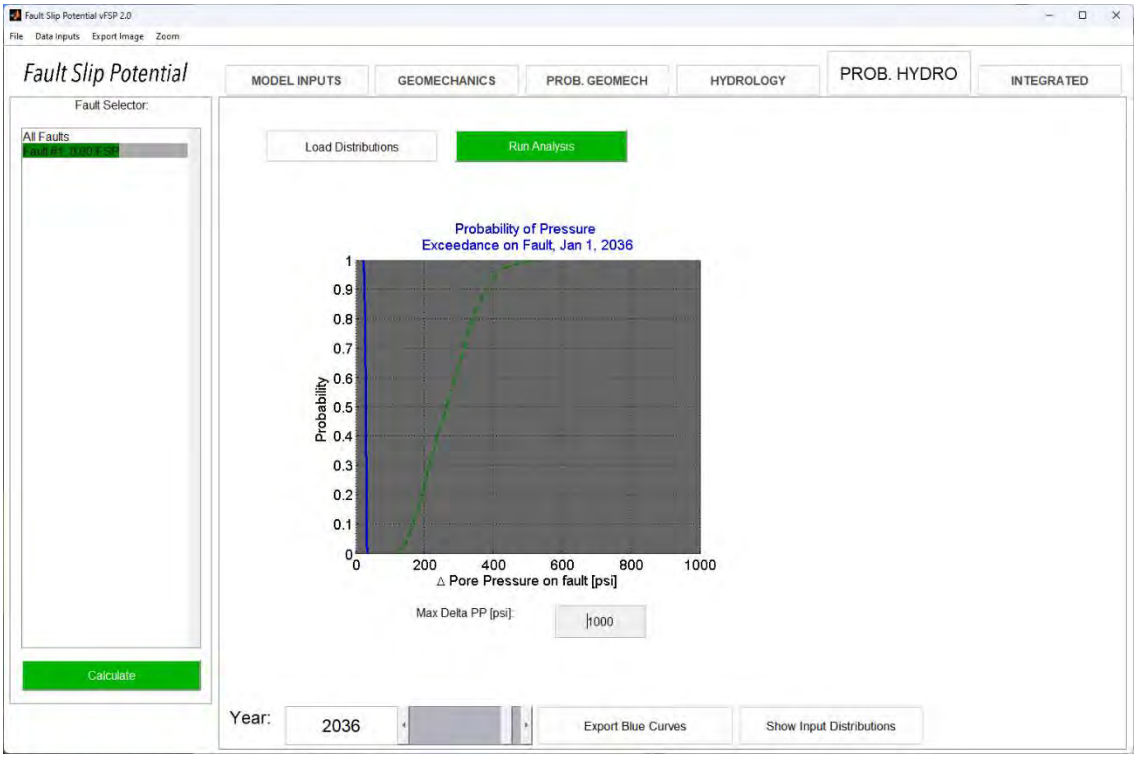
Year 5 Fault Slip Probability (0% after 5 years)



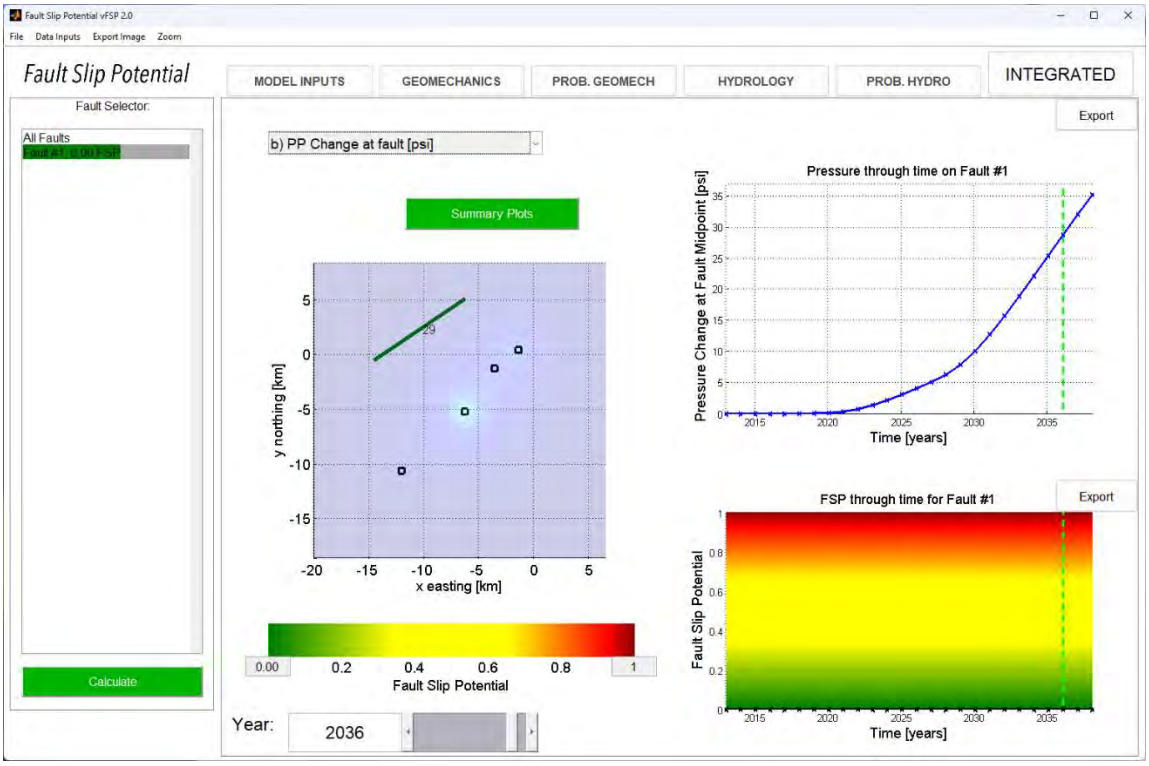
Year 10 Hydrology



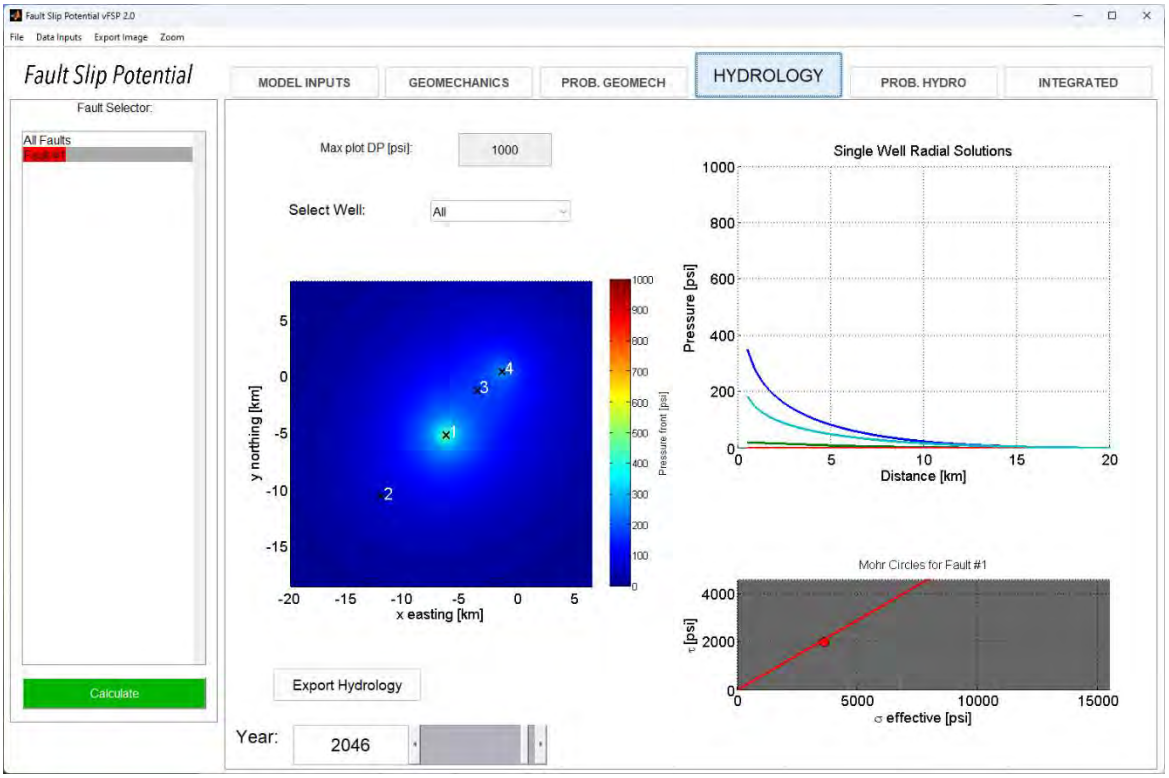
Year 10 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)



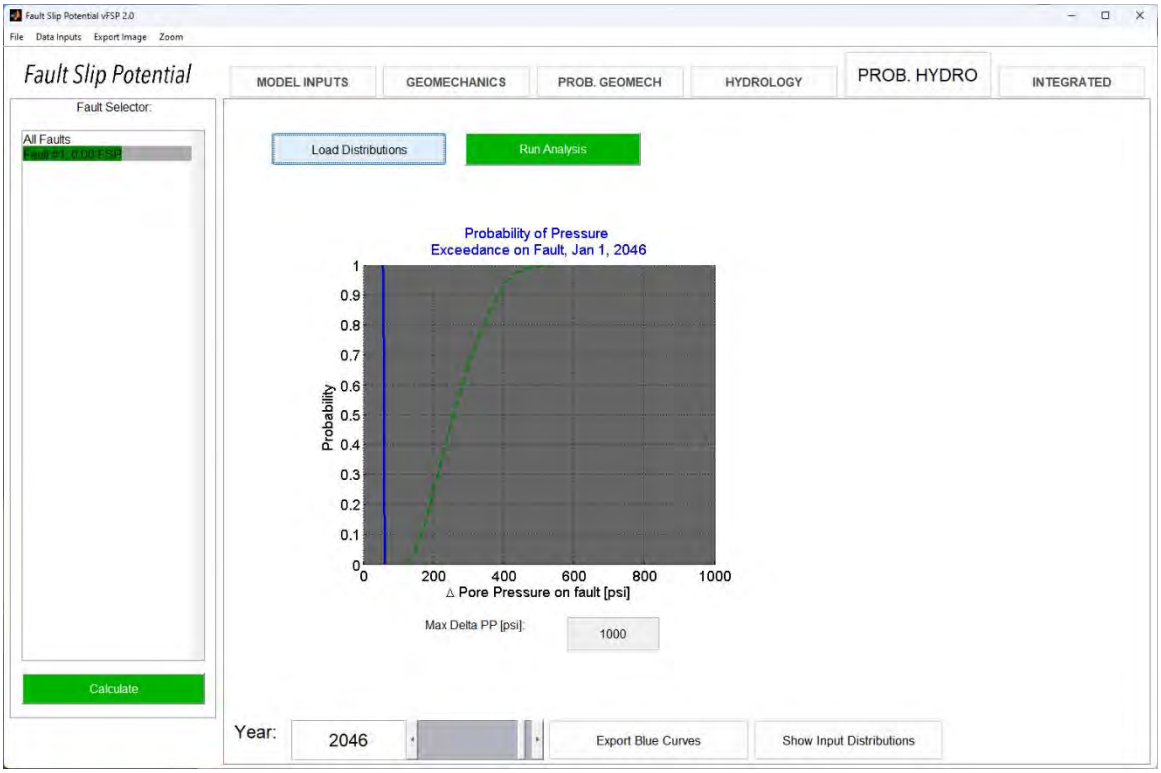
Year 10 Fault Slip Probability (0% after 10 years)



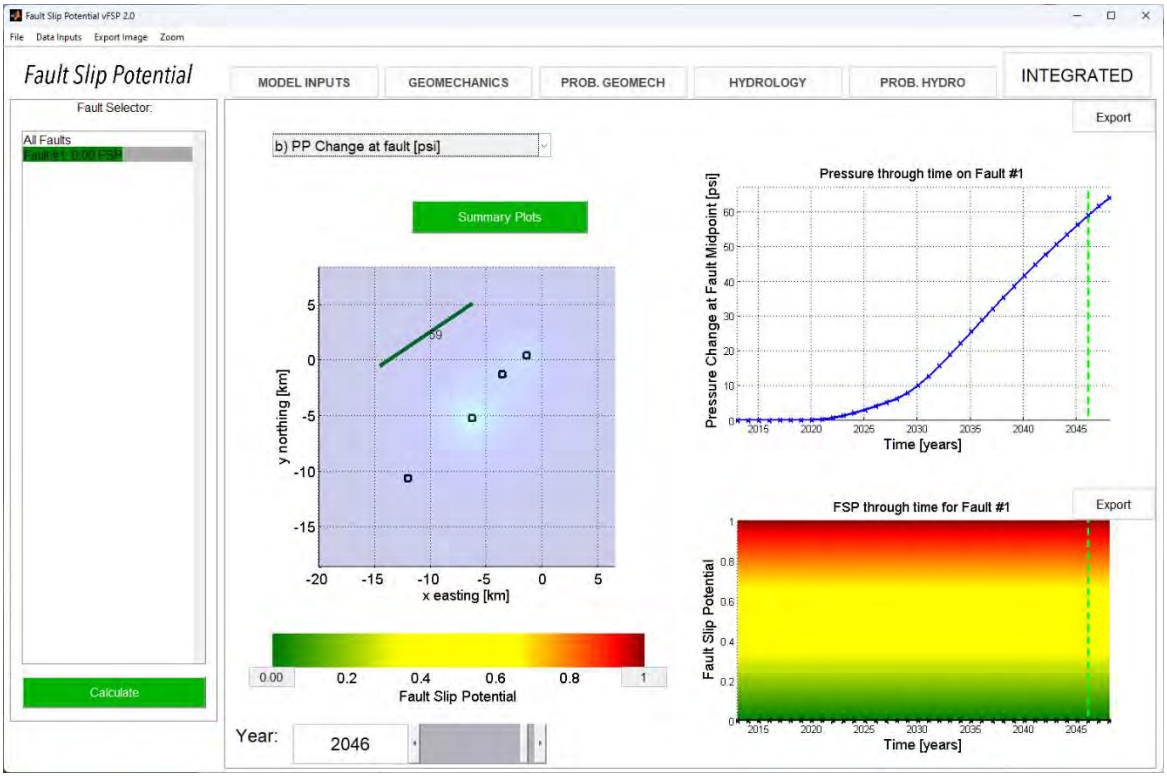
Year 20 Hydrology



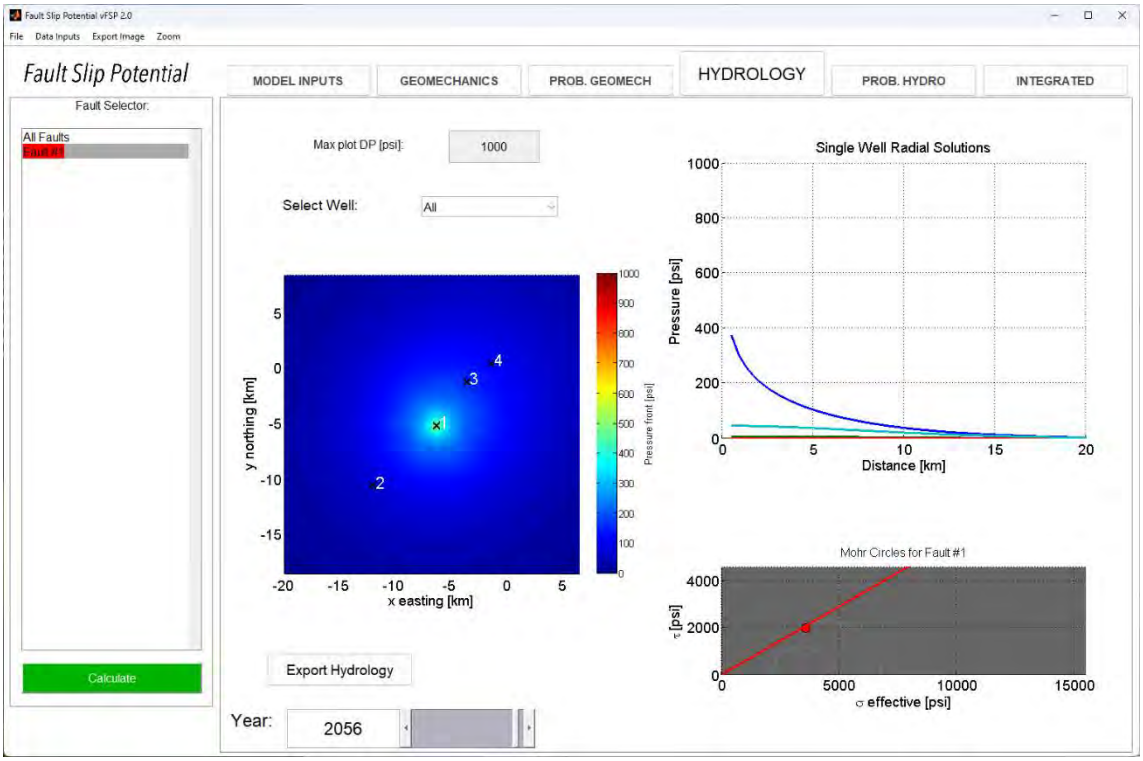
Year 20 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)



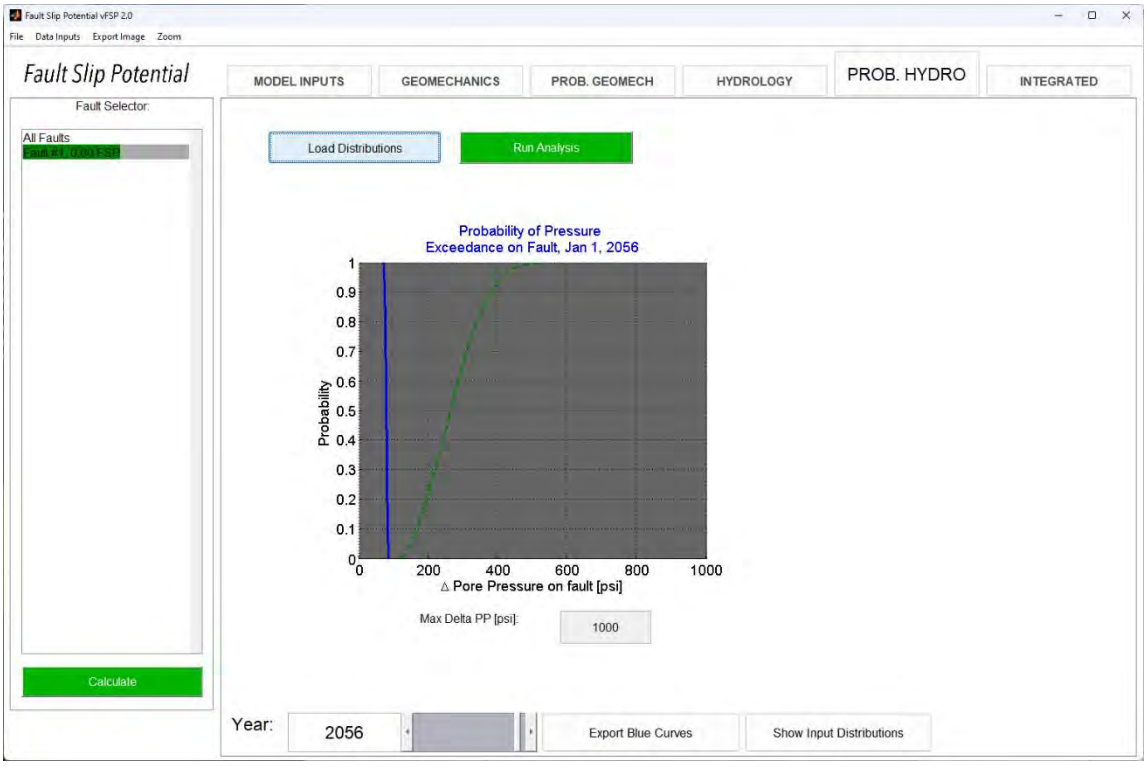
Year 20 Fault Slip Probability (0% after 20 years)



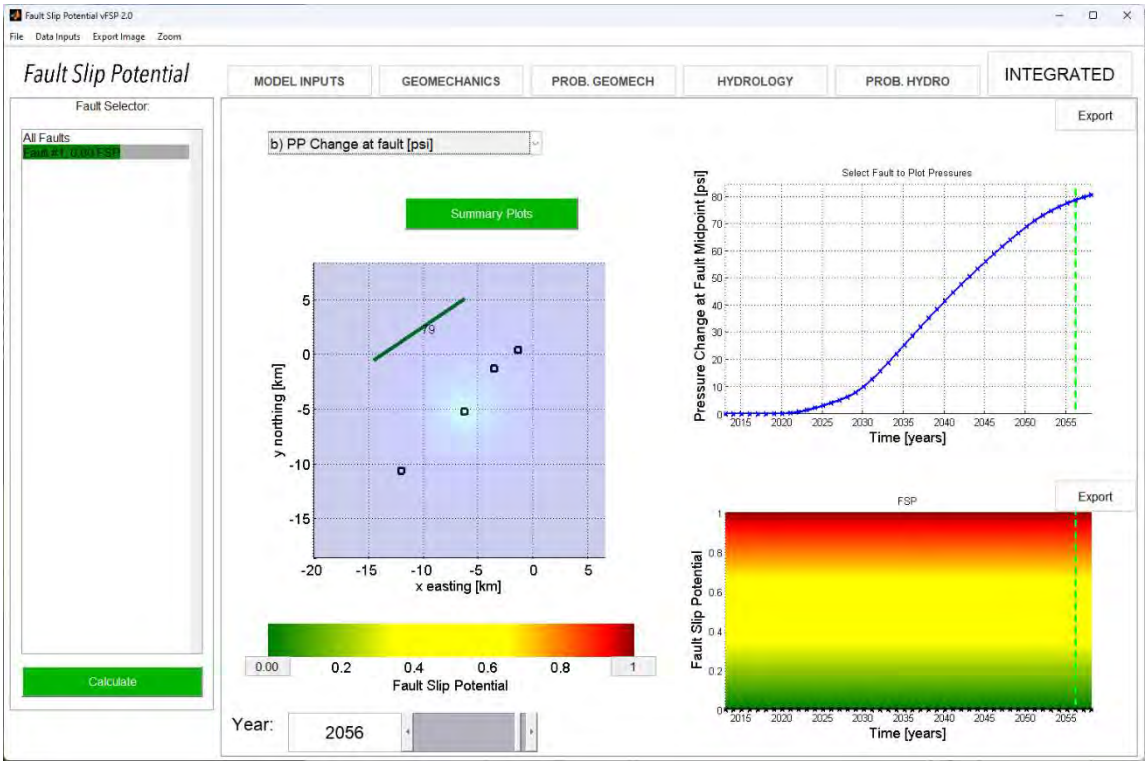
Year 30 Hydrology



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

Attached in compiled C-108 document.

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Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: Permian Oilfield Partners, LLC PO Box 3329 Hobbs, NM 88241	OGRID: 328259
	Action Number: 485509
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
erica.gordan	None	7/22/2025