

AE Order Number Banner

Application Number: pEG2520242741

Initial Application Part I

SWD-2661

Permian Oilfield Partners, LLC [328259]

Received: 7/16/25

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: 328259Well Name: Cowboy Federal SWD #1API: 30-015-PendingPool: SWD; Devonian-SilurianPool 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

2) NOTIFICATION REQUIRED TO: Check those which apply.

A. ☒ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☒ Application requires published noticeD. ☐ Notification and/or concurrent approval by SLOE. ☒ Notification and/or concurrent approval by BLMF. ☒ Surface ownerG. ☒ For all of the above, proof of notification or publication is attached, and/or,H. ☐ No notice required

FOR OCD ONLY

☐ Notice Complete☐ Application
Content
Complete

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

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

7-2-2025

Date

Sean Puryear

Print or Type Name

Signature

817-600-8772

Phone Number

spuryear@popmidstream.com


e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: **Disposal**
Application qualifies for administrative approval? **Yes.**
- II. OPERATOR: **Permian Oilfield Partners, LLC**
ADDRESS: **P.O. Box 3329, Hobbs, NM 88241**
CONTACT PARTY: **Sean Puryear** PHONE: **(817) 600-8772**
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? **No.**
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: **Sean Puryear** TITLE: **Manager**
SIGNATURE:  DATE: **07-02-2025**
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 12,881'.

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 2,583 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:

- 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 | <u>TOP</u> KB TVD (ft) | <u>BOTTOM</u> KB TVD (ft) | <u>THICKNESS</u> (ft) |
| Rustler | 406 | 550 | 144 |
| Salt | 550 | 1,800 | 1,250 |
| Delaware | 1,837 | 5,352 | 3,515 |
| Bone Spring | 5,352 | 8,448 | 3,096 |
| Wolfcamp | 8,448 | 10,496 | 2,048 |
| Strawn | 10,496 | 10,649 | 153 |
| Atoka | 10,649 | 11,220 | 571 |
| Morrow | 11,220 | 12,442 | 1,222 |
| Mississippi Lime | 12,442 | 12,775 | 333 |
| Woodford | 12,775 | 12,881 | 106 |
| Devonian | 12,881 | 13,444 | 563 |
| Fusselman (Silurian) | 13,444 | 13,820 | 376 |
| Montoya (U. Ordovician) | 13,820 | 14,113 | 293 |
| Simpson (M. Ordovician) | 14,113 | 14,331 | 218 |

- Regional shallow fresh water in the Quaternary is known to exist at depths less than 360'. See attached OSE Water Column Depth table for the region. Depth from the bottom of this USDW to the injection zone is 12,521'. This proposed well is approximately 5.5 miles SE from 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 freshwater 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.
Cowboy Federal SWD #1
1115' FNL, 236' FWL
Sec. 21, T25S, R26E, Eddy Co. NM
Lat 32.1196971° N, Lon 104.3055586° W
GL 3405', RKB 3435'

Surface - (Conventional)

Hole Size: 26" Casing: 20" - 94# J-55 BTC Casing
Depth Top: Surface
Depth Btm: 431'
Cement: 246 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: 1862'
Cement: 731 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: 8498' ECP/DV Tool: 1962'
Cement: 1328 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: 8298'
Depth Btm: 12916'
Cement: 268 sks - Class H + Additives
Cement Top: 8298' - (Volumetric) Verified with CBL

Intermediate #4 - (Open Hole)

Hole Size: 6.5" Depth: 13795'
Inj. Interval: 12916' - 13795' (Open-Hole Completion)

Tubing - (Tapered)

Tubing Depth: 12871' Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
X/O Depth: 8298'
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
Packer Depth: 12881' Packer: 5.5" - Perma-Pak or Equivalent (Inconel)
Packer Fluid: FW + Additives

IIIA-2.

WELLBORE SCHEMATIC

Permian Oilfield Partners, LLC.
Cowboy Federal SWD #1
1115' FNL, 236' FWL
Sec. 21, T25S, R26E, Eddy Co. NM
Lat 32.1196971° N, Lon 104.3055586° W
GL 3405', RKB 3435'

Surface - (Conventional)

Hole Size: 26"
Casing: 20" - 94# J-55 BTC Casing
Depth Top: Surface
Depth Btm: 431'
Cement: 246 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: 1862'
Cement: 731 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: 8498'
Cement: 1328 sks - Class C + Additives
Cement Top: Surface - (Circulate)
ECP/DV Tool: 1962'

Intermediate #3 - (Liner)

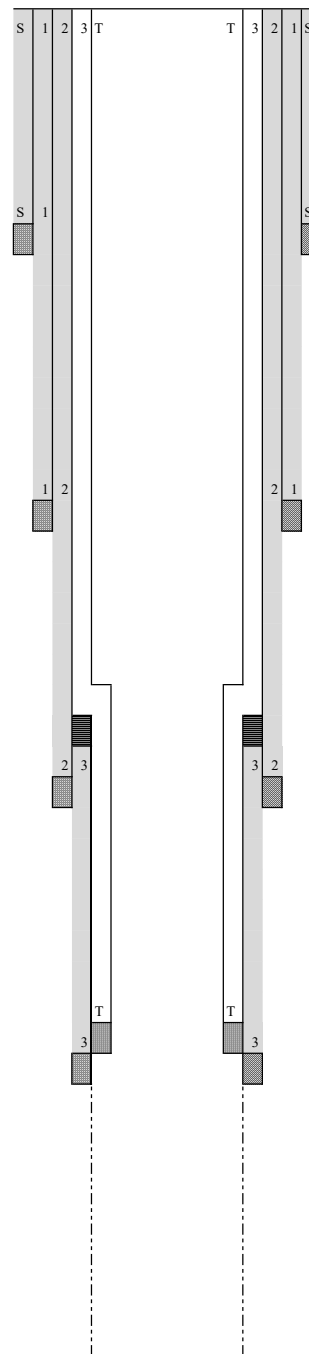
Hole Size: 8.75"
Casing: 7.625" - 39# HCL-80 FJ Casing
Depth Top: 8298'
Depth Btm: 12916'
Cement: 268 sks - Class H + Additives
Cement Top: 8298' - (Volumetric) Verified with CBL

Intermediate #4 - (Open Hole)

Hole Size: 6.5"
Depth: 13795'
Inj. Interval: 12916' - 13795' (Open-Hole Completion)

Tubing - (Tapered)

Tubing Depth: 12871'
Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
X/O Depth: 8298'
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
Packer Depth: 12881'
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: | <input checked="" type="checkbox"/> Initial Submittal |
| | | | | <input type="checkbox"/> Amended Report |
| | | <input type="checkbox"/> As Drilled | | |

WELL LOCATION INFORMATION

| | | |
|--|--|--|
| API Number 30-015- | Pool Code 97869 | Pool Name SWD; Devonian-Silurian |
| Property Code | Property Name COWBOY FEDERAL SWD | Well Number 1 |
| OGRID No. 328259 | Operator Name PERMIAN OILFIELD PARTNERS, LLC | Ground Level Elevation 3405' |
| Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal | | Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal |

Surface Location

| | | | | | | | | | |
|----------------|----------------------|-------------------------|---------------------|-----|---------------------------------|--------------------------------|---------------------------------|-----------------------------------|-----------------------|
| UL D | Section 21 | Township T25S | Range 26E | Lot | Ft. from N/S 1115 FNL | Ft. from E/W 236 FWL | Latitude 32.1196971°N | Longitude 104.3055586°W | County 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: <input type="checkbox"/> Yes <input type="checkbox"/> No | |

Kick Off Point (KOP)

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

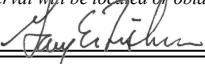
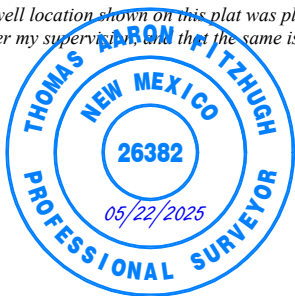
First Take Point (FTP)

| | | | | | | | | | |
|----|---------|----------|-------|-----|--------------|--------------|----------|-----------|--------|
| 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 <input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Vertical | Ground Floor Elevation: |
|---|--|-------------------------|

| | | | |
|---|--|---|-------------------------------------|
| OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  7/02/2025 | | SURVEYOR CERTIFICATIONS <i>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.</i>  | |
| Signature _____ Date _____ | | Signature and Seal of Professional Surveyor _____ | |
| Printed Name Gary Fisher | | Certificate Number 26382 | Date of Survey 05/10/2025 |
| Email Address gfisher@popmidstream.com | | | |

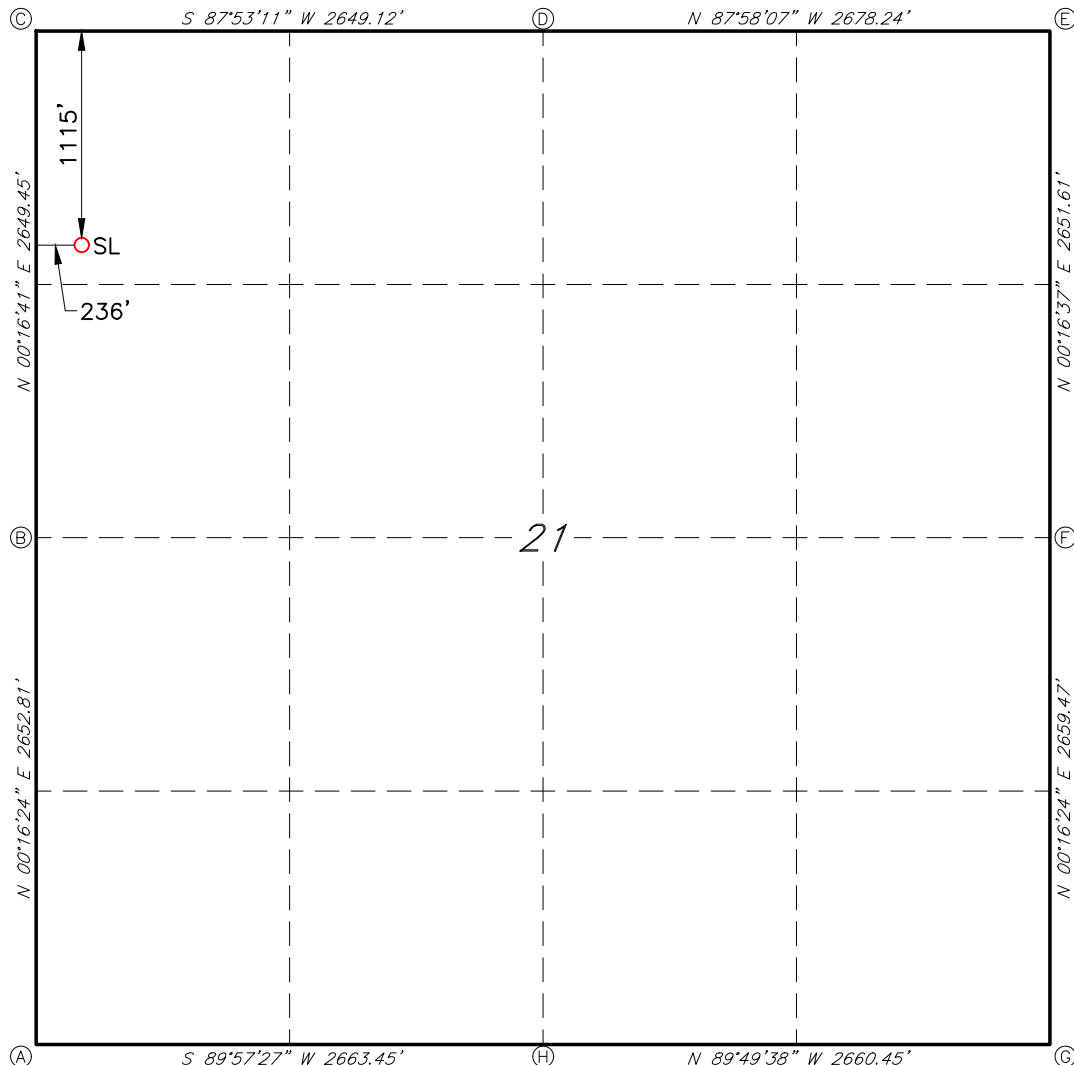
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.

COWBOY FEDERAL SWD #1



GEODETTIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)
1115' FNL & 236' FWL SEC. 21
N: 407283.0 - E: 549936.1

LAT: 32.1196971° N
LONG: 104.3055586° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1941"
N: 403088.2 - E: 549680.7

B: FOUND BRASS CAP "1941"
N: 405740.3 - E: 549693.3

C: FOUND BRASS CAP "1941"
N: 408389.1 - E: 549706.2

D: FOUND BRASS CAP "1941"
N: 408486.7 - E: 552352.9

E: FOUND BRASS CAP "1941"
N: 408391.8 - E: 555028.8

F: FOUND BRASS CAP "1941"
N: 405740.9 - E: 555016.0

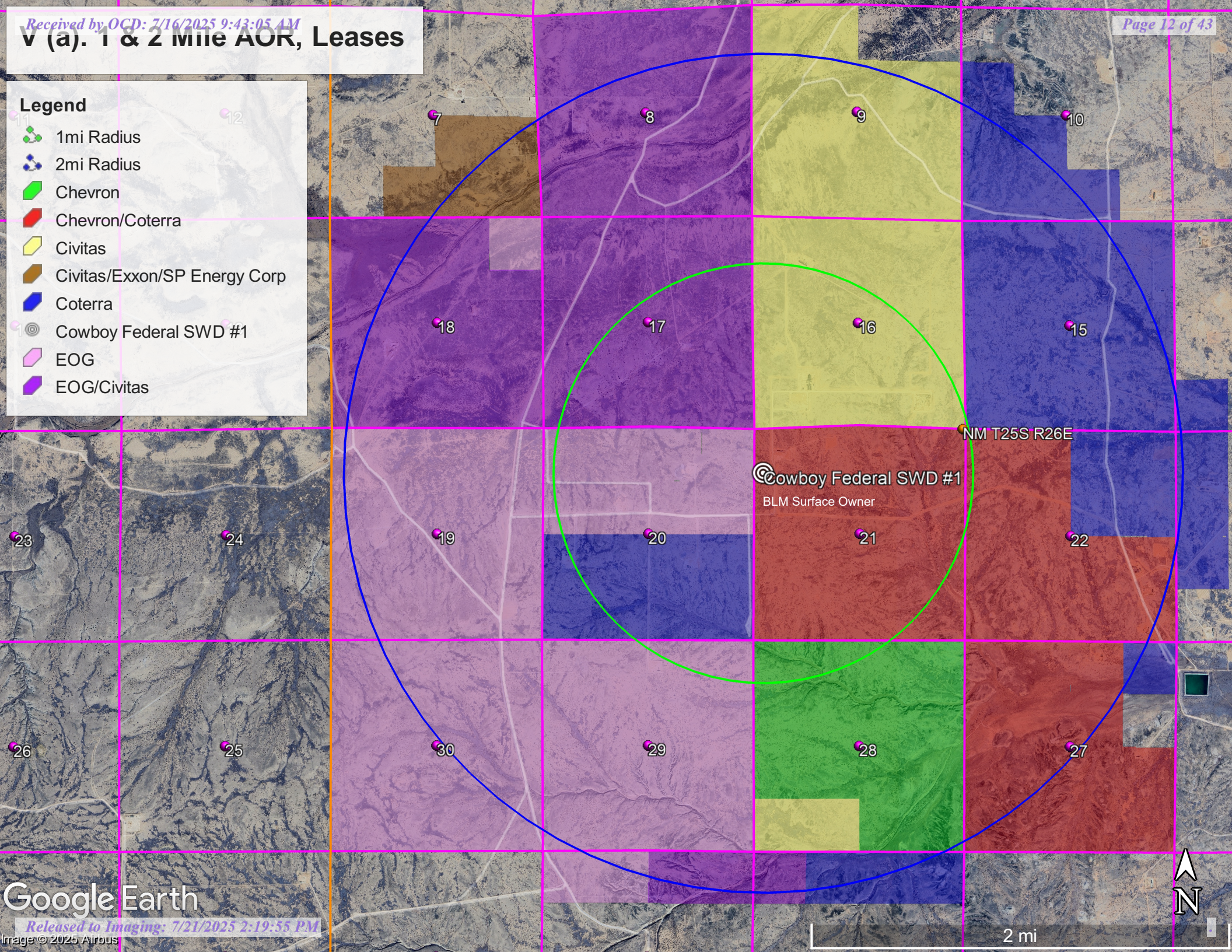
G: FOUND BRASS CAP "1941"
N: 403082.1 - E: 555003.3

H: FOUND BRASS CAP "1941"
N: 403090.1 - E: 552343.5

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

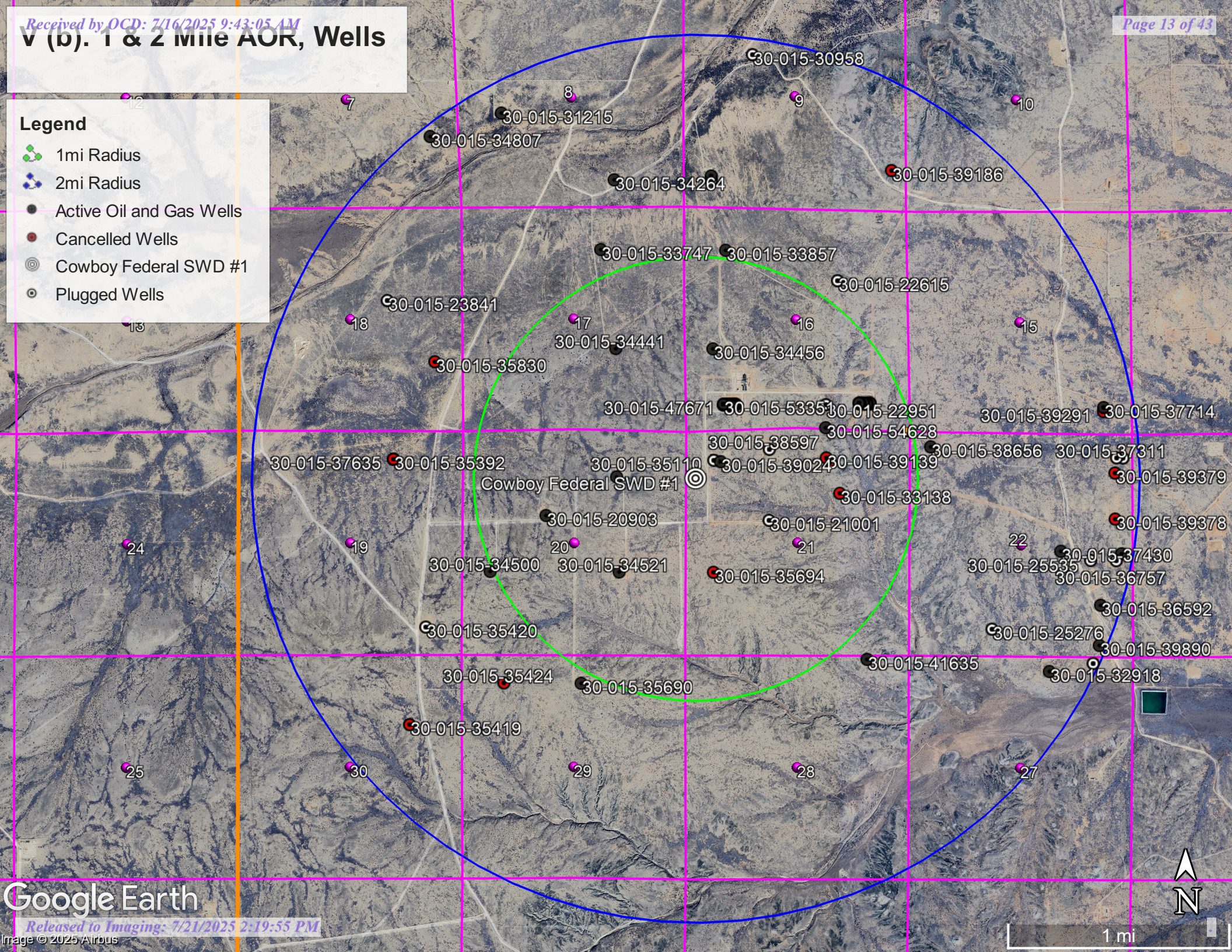
Legend

- 1mi Radius
- 2mi Radius
- Chevron
- Chevron/Coterra
- Civitas
- Civitas/Exxon/SP Energy Corp
- Coterra
- Cowboy Federal SWD #1
- EOG
- EOG/Civitas



Legend

- 1mi Radius
- 2mi Radius
- Active Oil and Gas Wells
- Cancelled Wells
- Cowboy Federal SWD #1
- Plugged Wells



Cowboy 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 |
|--------------|--------------------------------|---------------------------------|-----------|-------------------------|---------------|-----------|--------|--------|-------------|
| 30-015-47671 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #211H | Gas | Active | M-16-25S-26E | H | 18,753 | 8,660 | WOLFCAMP |
| 30-015-47672 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #231H | Gas | Active | M-16-25S-26E | H | 19,615 | 9,455 | WOLFCAMP |
| 30-015-49022 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #202H | Gas | Active | M-16-25S-26E | H | 18,789 | 8,622 | WOLFCAMP |
| 30-015-49023 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #204H | Gas | Active | P-16-25S-26E | H | 18,756 | 8,705 | WOLFCAMP |
| 30-015-49025 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #232H | Gas | Active | M-16-25S-26E | H | 19,451 | 9,382 | WOLFCAMP |
| 30-015-49028 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #234H | Gas | Active | P-16-25S-26E | H | 19,613 | 9,554 | WOLFCAMP |
| 30-015-49027 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #233H | Gas | Active | P-16-25S-26E | H | 19,659 | 9,484 | WOLFCAMP |
| 30-015-49024 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #213H | Gas | Active | P-16-25S-26E | H | 18,877 | 8,691 | WOLFCAMP |
| 30-015-20903 | EOG RESOURCES INC | PAINTBRUSH BHR FEDERAL COM #001 | Oil | Active | F-20-25S-26E | V | 12,191 | 12,191 | MORROW |
| 30-015-34441 | EOG RESOURCES INC | CHOSA ATR FEDERAL COM #003 | Gas | Active | J-17-25S-26E | V | 12,056 | 12,056 | MORROW |
| 30-015-35711 | EOG RESOURCES INC | PAINTBRUSH BHR FEDERAL COM #002 | Oil | Active | B-20-25S-26E | V | 12,126 | 12,126 | MORROW |
| 30-015-34521 | CIMAREX ENERGY CO. OF COLORADO | TRINITY 20 FEDERAL COM #001 | Gas | Active | J-20-25S-26E | V | 12,280 | 12,280 | MORROW |
| 30-015-35694 | CIMAREX ENERGY CO. OF COLORADO | ORACLE 21 FEDERAL #002 | Gas | Cancelled | L-21-25S-26E | N/A | 0 | 0 | N/A |
| 30-015-34456 | CIVITAS PERMIAN OPERATING, LLC | LUPINE BHJ STATE COM #001 | Gas | Active | L-16-25S-26E | V | 12,250 | 12,250 | MORROW |
| 30-015-35110 | CIMAREX ENERGY CO. OF COLORADO | ORACLE 21 FEDERAL #001 | Gas | Plugged (site released) | D-21-25S-26E | V | 12,345 | 12,345 | MORROW |
| 30-015-39024 | CIMAREX ENERGY CO. OF COLORADO | ORACLE 21 FEDERAL #003 | Gas | Active | D-21-25S-26E | H | 13,276 | 9,500 | WOLFCAMP |
| 30-015-21001 | PRE-ONGARD WELL OPERATOR | PRE-ONGARD WELL #001 | Oil | Plugged (site released) | F-21-25S-26E | V | 2000 | 2000 | DELAWARE |
| 30-015-38597 | CIMAREX ENERGY CO. OF COLORADO | ORACLE 21 FEDERAL #004 | Oil | Plugged (site released) | C-21-25S-26E | H | 12,105 | 7,650 | BONE SPRING |
| 30-015-39139 | CIMAREX ENERGY CO. OF COLORADO | ORACLE 21 FEDERAL #005 | Gas | Cancelled | B-21-25S-26E | V | 0 | 0 | WOLFCAMP |
| 30-015-39140 | CIMAREX ENERGY CO. OF COLORADO | ORACLE 21 FEDERAL #006 | Gas | Cancelled | B-21-25S-26E | V | 0 | 0 | WOLFCAMP |
| 30-015-22951 | PRE-ONGARD WELL OPERATOR | PRE-ONGARD WELL #001 | Oil | Plugged (site released) | O-16-25S-26E | V | 12,100 | 12,100 | MORROW |
| 30-015-33138 | CIMAREX ENERGY CO. OF COLORADO | COTTONWOOD DRAW 21 FEDERAL #001 | Gas | Cancelled | G-21-25S-26E | N/A | 0 | 0 | N/A |
| 30-015-49942 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #152H | Oil | Active | M-16-25S-26E | H | 17,673 | 7,681 | BONE SPRING |
| 30-015-49949 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #158H | Oil | Active | P-16-25S-26E | H | 17,904 | 7,754 | BONE SPRING |
| 30-015-49950 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #151H | Oil | Active | M-16-25S-26E | H | 17,801 | 7,643 | BONE SPRING |
| 30-015-49974 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #156H | Oil | Active | P-16-25S-26E | H | 17,658 | 7,648 | BONE SPRING |
| 30-015-53350 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #121H | Oil | Active | M-16-25S-26E | H | 17,554 | 7,161 | BONE SPRING |
| 30-015-53351 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #141H | Oil | Active | M-16-25S-26E | H | 16,928 | 6,526 | BONE SPRING |
| 30-015-54628 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #123H | Oil | New | P-16-25S-26E | H | 0 | 0 | BONE SPRING |
| 30-015-54629 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #122H | Oil | New | M-16-25S-26E | H | 0 | 0 | BONE SPRING |
| 30-015-54630 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #124H | Oil | New | P-16-25S-26E | H | 0 | 0 | BONE SPRING |
| 30-015-54636 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #142H | Oil | New | M-16-25S-26E | H | 0 | 0 | BONE SPRING |
| 30-015-54637 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #143H | Oil | New | P-16-25S-26E | H | 0 | 0 | BONE SPRING |
| 30-015-54638 | CIVITAS PERMIAN OPERATING, LLC | SCHLITZ FEDERAL COM #144H | Oil | New | P-16-25S-26E | H | 0 | 0 | BONE SPRING |

Permian Oilfield Partners, LLC.
Cowboy Federal SWD #1
1115' FNL, 236' FWL
Sec. 21, T25S, R26E, Eddy Co. NM
Lat 32.1196971° N, Lon 104.3055586° W
GL 3405', RKB 3435'

| 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 |

Permian Oilfield Partners, LLC.
Cowboy Federal SWD #1
1115' FNL, 236' FWL
Sec. 21, T25S, R26E, Eddy Co. NM
Lat 32.1196971° N, Lon 104.3055586° W
GL 3405', RKB 3435'

| 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 01368 | | C | ED | | NW | NW | 22 | 25S | 26E | 567261.0 | 3554059.0 * | | 1757 | 143 | 118 | 25 |
| C 03655 POD3 | | CUB | ED | NW | SE | SE | 22 | 25S | 26E | 568458.2 | 3553019.0 | | 3082 | | | |
| C 02675 | | C | ED | NW | SE | NW | 09 | 25S | 26E | 565907.0 | 3556978.0 * | | 3089 | 180 | 45 | 135 |
| C 03285 | | C | ED | SE | SE | NE | 07 | 25S | 26E | 563712.8 | 3556658.6 | | 3279 | 84 | 60 | 24 |
| C 04329 POD1 | | C | ED | NE | NE | NE | 27 | 25S | 26E | 568576.6 | 3552567.2 | | 3350 | 57 | 14 | 43 |
| C 04013 POD1 | | C | ED | SE | NE | NE | 24 | 25S | 25E | 562099.6 | 3553979.0 | | 3410 | 120 | 66 | 54 |
| C 03035 | | C | ED | NE | NE | NE | 24 | 25S | 25E | 562091.0 | 3554125.0 * | | 3424 | 120 | 70 | 50 |
| C 03258 | | C | ED | NW | NW | SE | 07 | 25S | 26E | 563073.0 | 3556546.0 * | | 3586 | 360 | | |
| C 03569 POD1 | | CUB | ED | NE | NW | NW | 14 | 25S | 26E | 568861.7 | 3555746.9 | | 3820 | 30 | 0 | 30 |
| C 02220 | | CUB | ED | SW | NW | NE | 26 | 25S | 26E | 569598.0 | 3552352.0 * | | 4377 | 35 | | |
| C 04036 POD1 | | C | ED | NW | SE | SW | 06 | 25S | 26E | 562744.7 | 3557733.4 | | 4714 | 160 | 125 | 35 |
| C 04050 POD1 | | CUB | ED | NW | SE | SW | 06 | 25S | 26E | 562694.6 | 3557776.2 | | 4778 | 165 | 125 | 40 |

Average Depth to Water: **69 feet**

Minimum Depth: **0 feet**

Maximum Depth: **125 feet**

Record Count: 12

Basin/County Search:

County: ED

UTM Filters (in meters):

Easting: 565509.047

Northing: 3553914.423

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.

Cowboy Federal SWD #1 POD Location Map



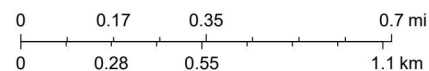
6/26/2025, 2:37:47 PM

Note: No PODs within 1 mile Area of Review.

GIS WATERS PODs

- Active
-
- OSE District Boundary

1:18,056



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



Item XII. Affirmative Statement

Re: C-108 Application for Authorization to Inject
Permian Oilfield Partners, LLC
Cowboy Federal SWD #1
1115' FNL & 236' FWL
Sec 21, T25S, R26E
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.

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

Gary Fisher
Manager
Permian Oilfield Partners, LLC

Date: 6/26/2025



Statement of Notifications

Re: C-108 Application for SWD Well
 Permian Oilfield Partners, LLC
 Cowboy Federal SWD #1
 1115' FNL & 236' FWL
 Sec 21, T25S, R26E
 Eddy County, NM

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

| Cowboy Federal SWD #1 - Affected Persons within 1 Mile Area of Review | | | | | |
|---|-------------------------------|--------------------------------|---------|------------------------|--------------|
| Notified Name | Notified Address | Notified City, State, ZIP Code | Shipper | Tracking No. | Mailing Date |
| BUREAU OF LAND MANAGEMENT | 620 E Greene St. | Carlsbad, NM 88220 | USPS | 9414811899560073695928 | 7/3/2025 |
| CHEVRON USA | 6301 Deauville Blvd | Midland, TX 79706 | USPS | 9414811899560073695997 | 7/3/2025 |
| CIVITAS PERMIAN OPERATING, LLC | 555 17th St, Ste 3700 | Denver, CO 80202 | USPS | 9414811899560073695935 | 7/3/2025 |
| COTERRA ENERGY (Cimarex) | 6001 Deauville Blvd, Ste 300N | Midland, TX 79706 | USPS | 9414811899560073695973 | 7/3/2025 |
| EOG RESOURCES INC | P.O. Box 2267 | Midland, TX 79702 | USPS | 9414811899560073695614 | 7/3/2025 |
| NEW MEXICO STATE LAND OFFICE | 310 Old Santa Fe Trail | Santa Fe, NM 87501 | USPS | 9414811899560073695652 | 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 6959 28

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 |

Postmark
HereU.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 0073 6959 97

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 |

Postmark
HereU.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 0073 6959 35

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 |

Postmark
HereU.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 0073 6959 73

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 |

Postmark
HereU.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 0073 6956 14

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 |

Postmark
HereU.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 0073 6956 52

ARTICLE ADDRESSED TO:

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

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: 53310
Description: Cowboy Federal SWD #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

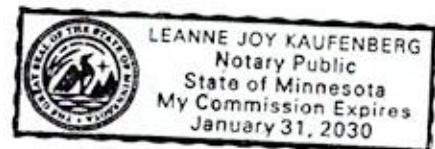
Permian Oilfield Partners, LLC, PO Box 3329, Hobbs, NM 88241, phone (817)606-7630, attn. Gary Fisher, has filed form C-108 (Application for Authorization for Injection) with the New Mexico Oil Conservation Division seeking approval to drill a commercial saltwater disposal well in Eddy County, New Mexico. The proposed well is the Cowboy Federal SWD #1, and is located 1115' FNL & 236' FWL, Unit D, Section 21, Township 25 South, Range 26 East, NMPM, approximately 5.5 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 12,916 feet to 13,795 feet. The maximum expected injection rate is 50,000 BWPD at a maximum surface injection pressure of 2,583 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.
#53310

GARY FISHER
PERMIAN OILFIELD PARTNERS
PO BOX 3329

gfisher@popmidstream.com





**Attachment to C-108
Permian Oilfield Partners, LLC
Cowboy Federal SWD #1
1115' FNL & 236' FWL
Sec 21, T25S, R26E
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 2.97 miles away from the nearest active or permitted Devonian disposal well (Ringer Federal #6, 30-015-33187, SWD-1343).

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 one known fault structure within the area of interest (< 5.64 mile radius, 25 sq. mi.) of the proposed above referenced SWD well, approximately 5.5 mi (8.9 km) to the NW.

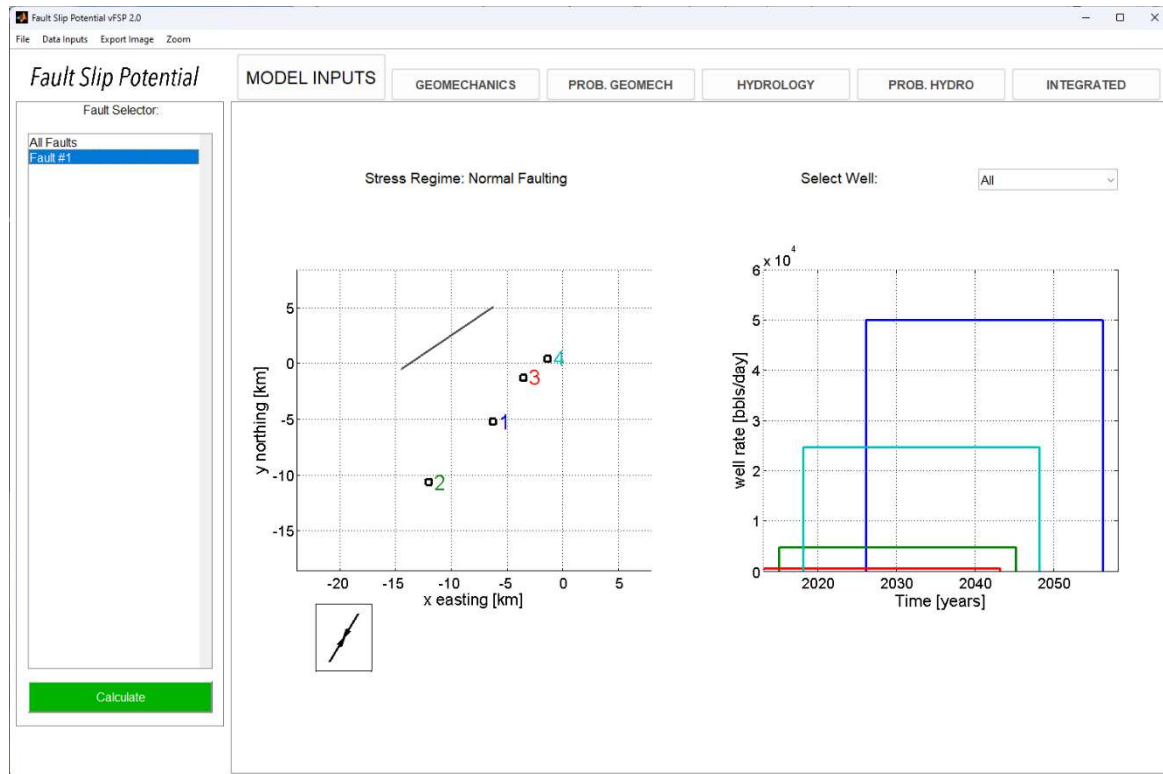
1. Permian Oilfield Partners ran modeling to check for fault slip assuming that any known faults penetrate the Devonian-Silurian injection zone. Software as discussed in #2 above, from the Stanford Center for Induced and Triggered Seismicity, "FSP 2.0: A program for probabilistic estimation of fault 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 |
|-----------------------------|-----------|------------|-----------|-------------|----------------|-----------------|------------------------|
| Cowboy Federal SWD #1 | Proposed | 21-25S-26E | 32.119697 | -104.305558 | 50000 | 2026 | 1 |
| Pine Springs 2 State SWD #1 | SWD-1474 | 2-26S-25E | 32.071434 | -104.366780 | 4900 | 2015 | 2 |
| Ringer Federal #6 | SWD-1343 | 3-25S-26E | 32.155030 | -104.276535 | 700 | 2013 | 3 |
| Freedom 36 State SWD #1 | SWD-2332 | 36-24S-26E | 32.169968 | -104.252980 | 24800 | 2018 | 4 |

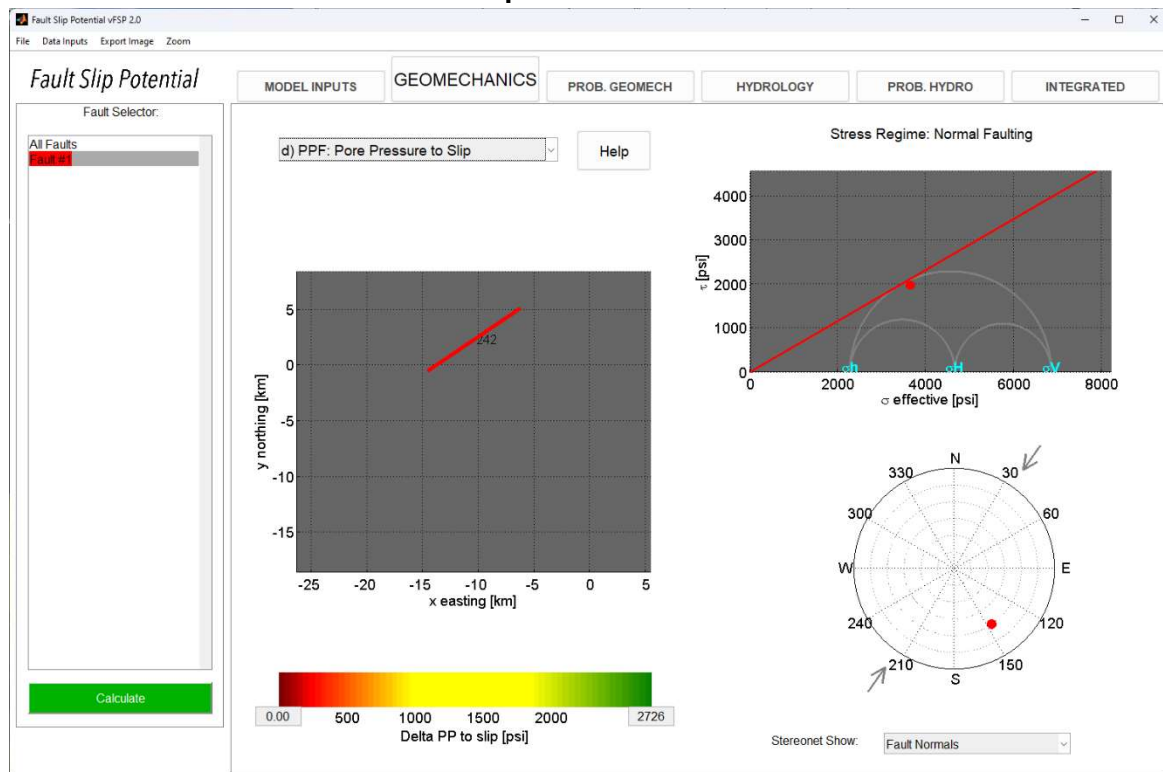
3. The probability of an induced seismic event is calculated to be 0% after 5, 10, 20, & 30 years as per the FSP results screenshots below.

Input assumptions:

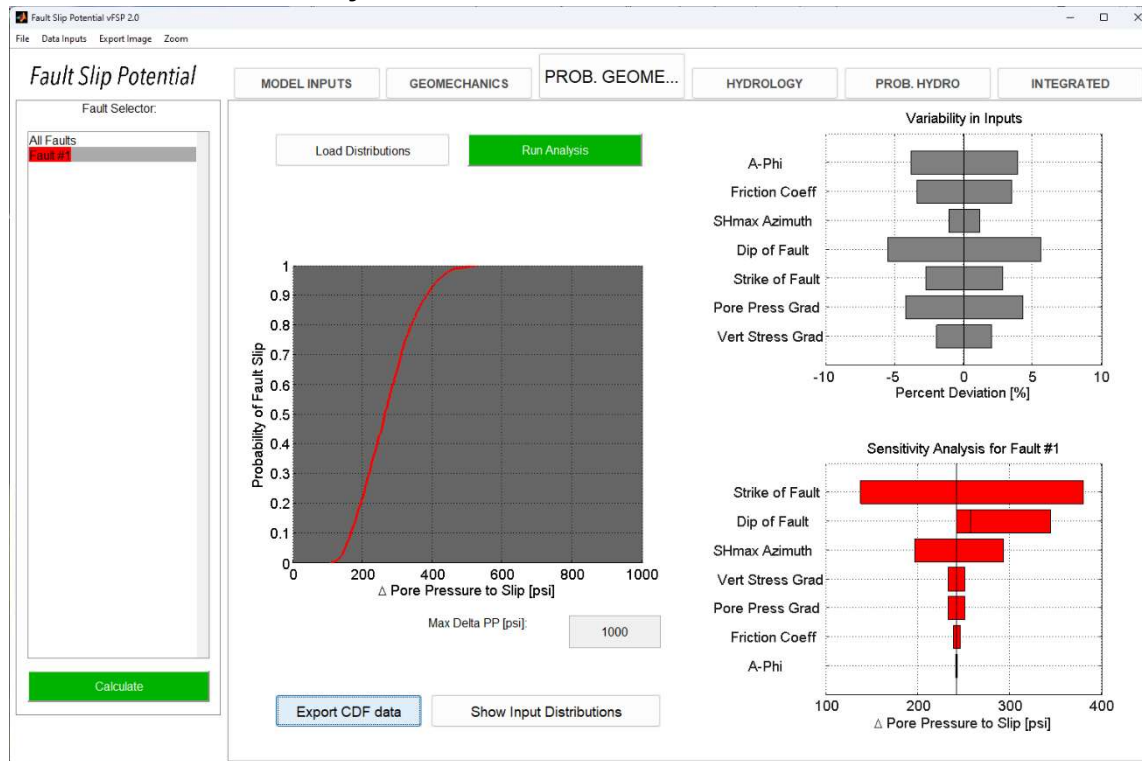
| | |
|-------------------------------------|-----------|
| Interval height (ft) | 879 |
| Average porosity (%) | 5 |
| Vert stress gradient (psi/ft) | 1.0 |
| Hor stress direction (deg N) | 35 |
| Fault dip (deg) | 60 |
| Reference depth (ft) | 12916 |
| Initial res press gradient (psi/ft) | 0.47 |
| 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 |



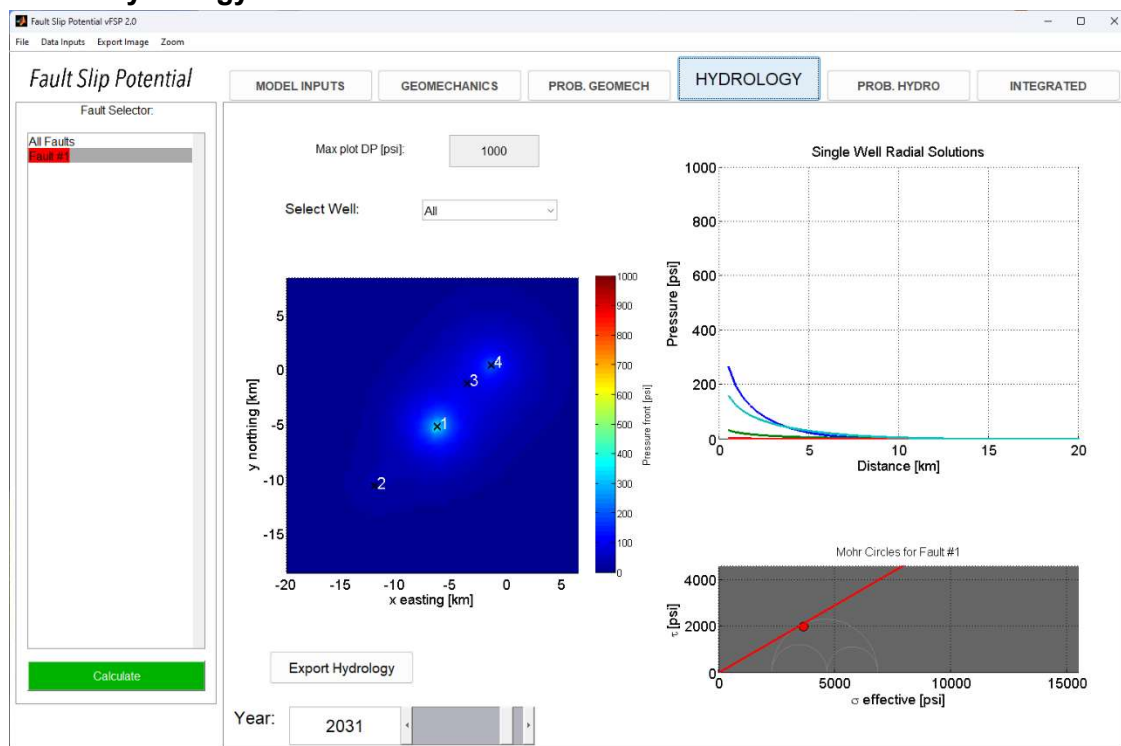
Geomechanics Pore Pressure to Slip



GeoMechanics Variability



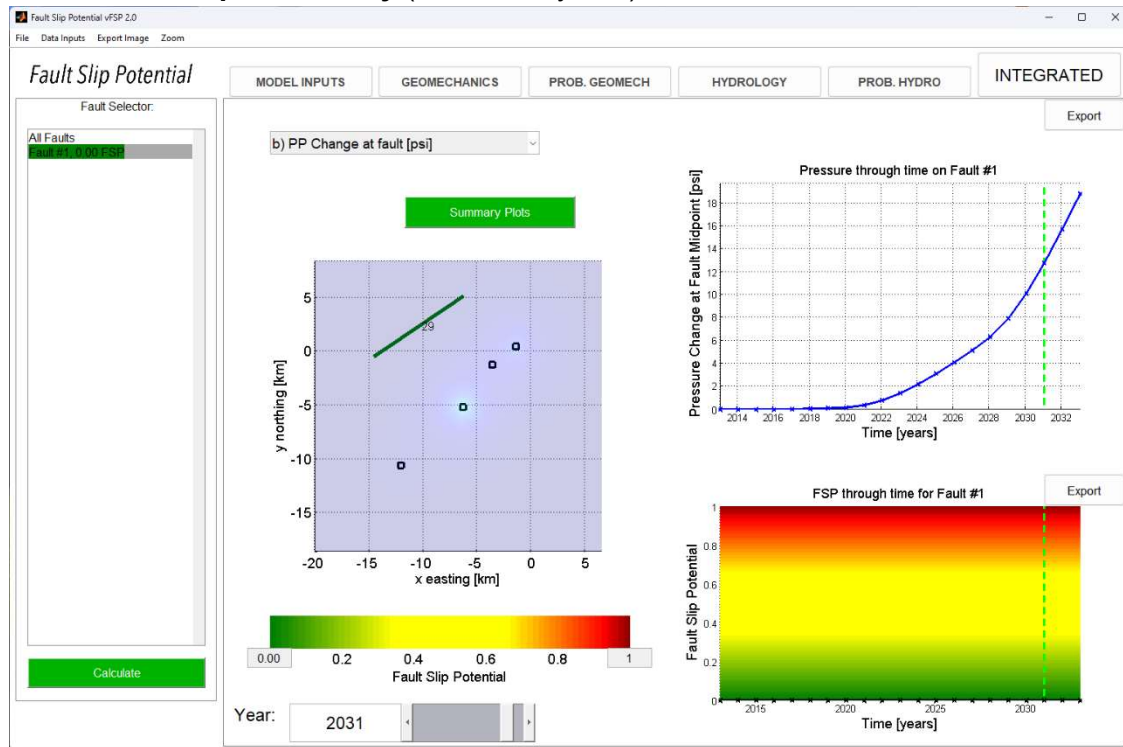
Year 5 Hydrology



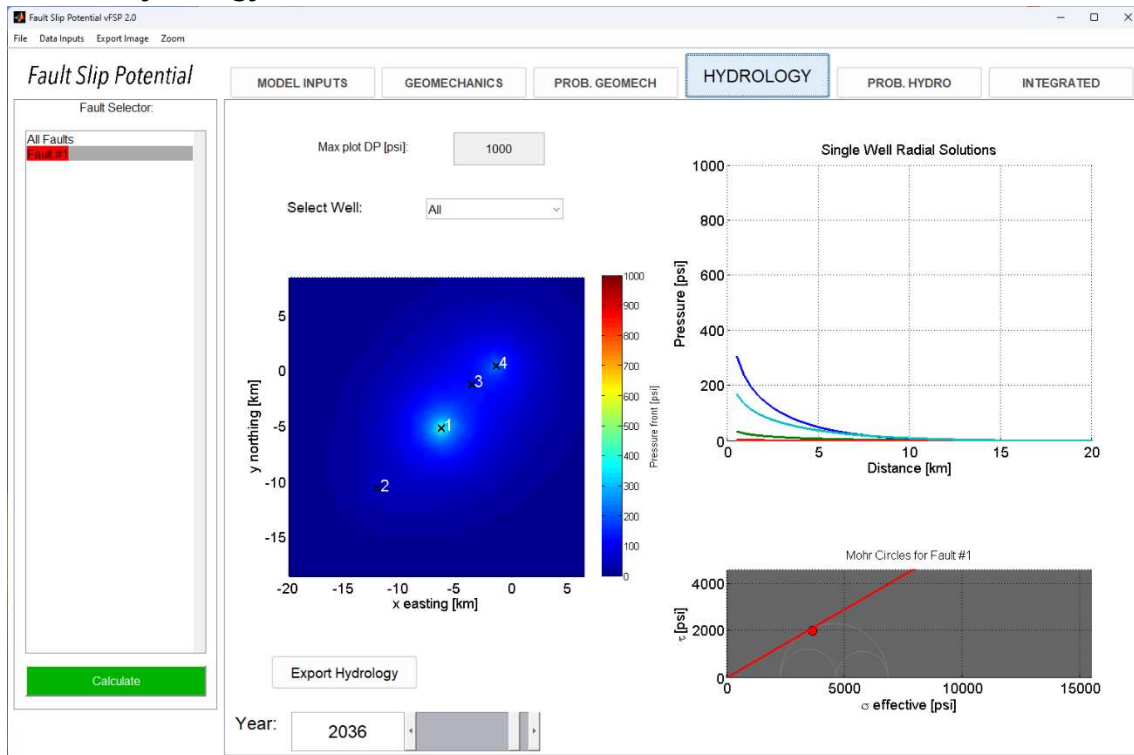
Year 5 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)



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

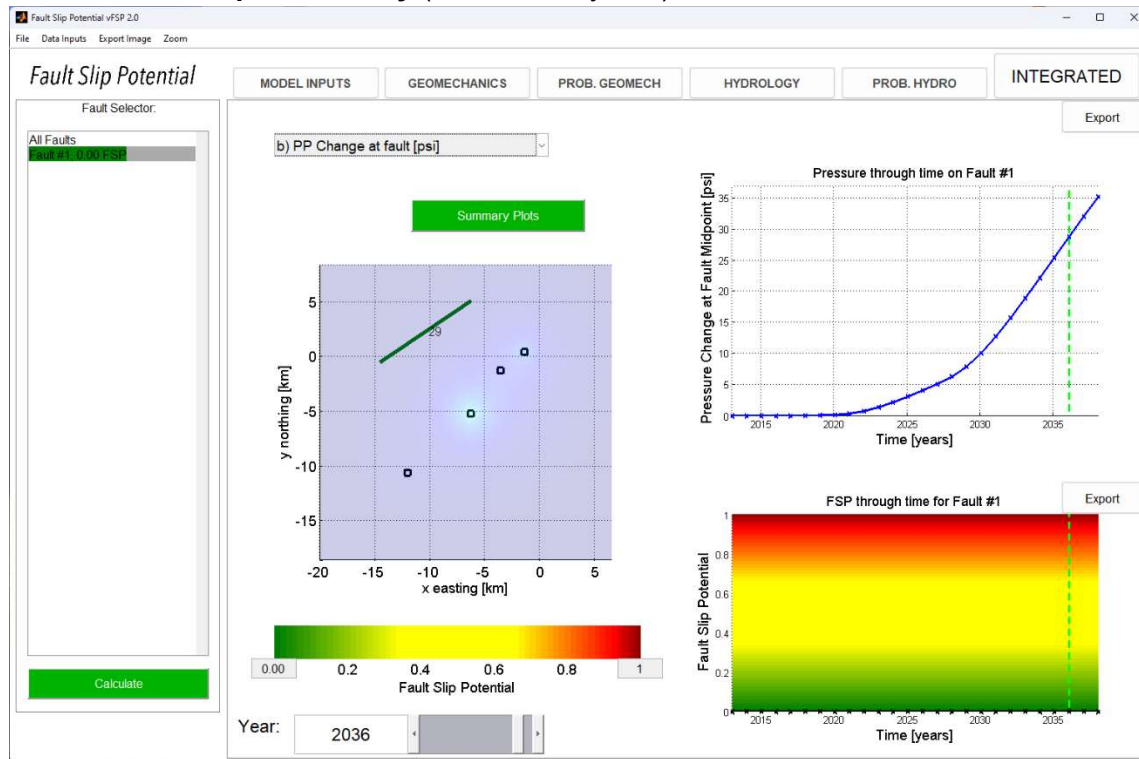


Year 10 Hydrology

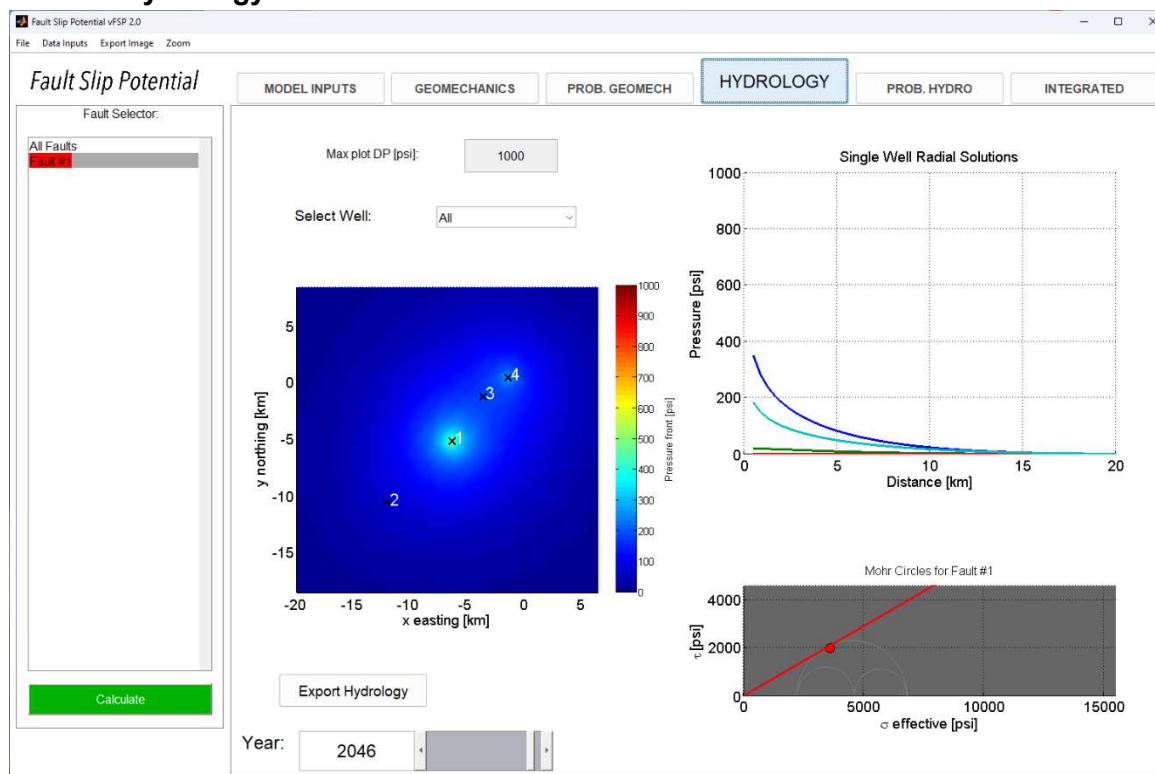


Year 10 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)

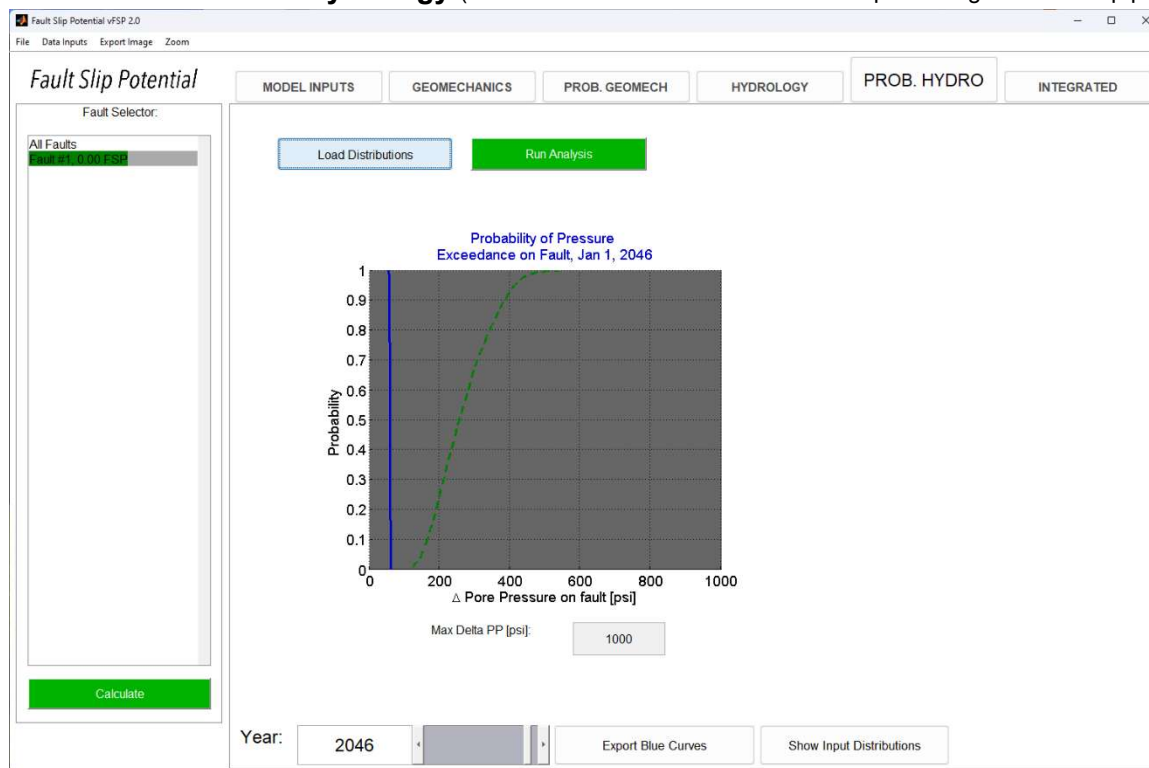


Year 10 Fault Slip Probability (0% after 10 years)

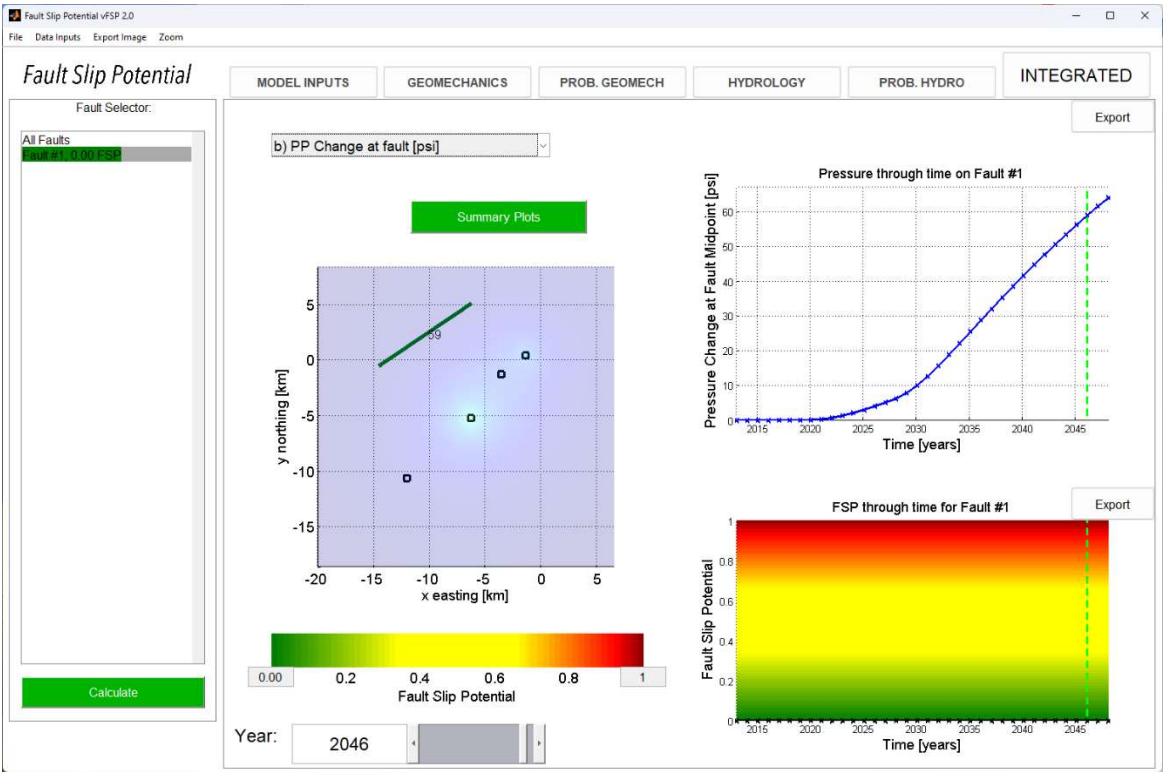
Year 20 Hydrology



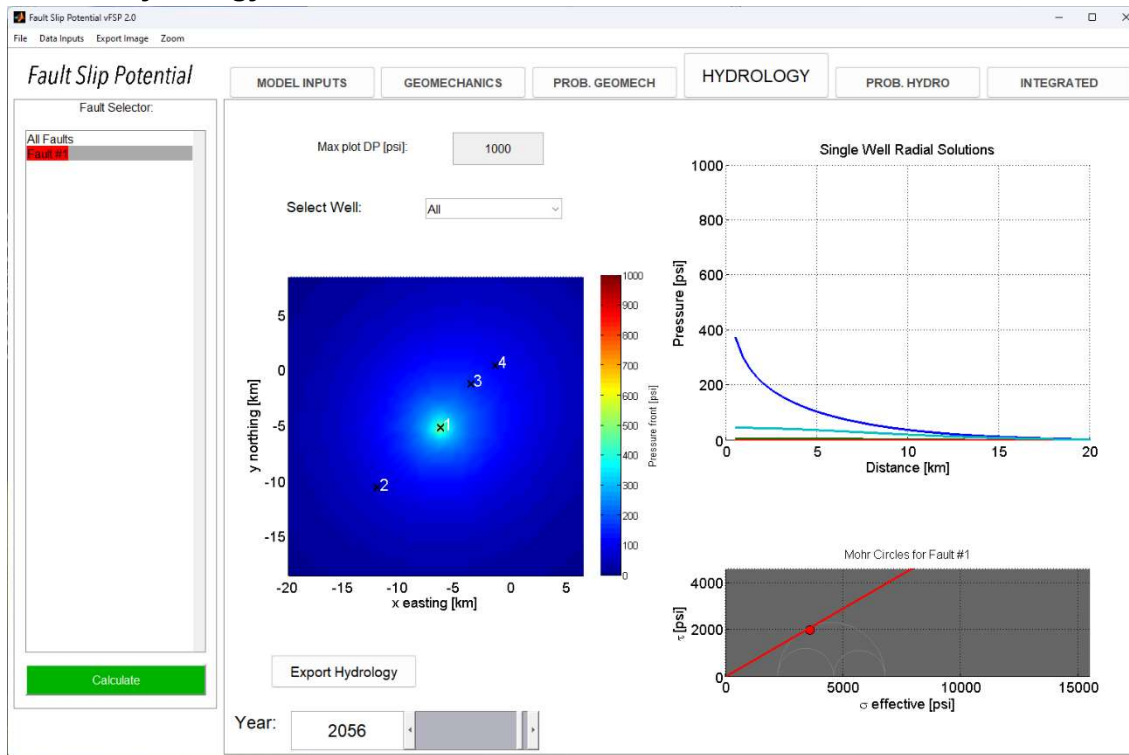
Year 20 Probabilistic Hydrology (note no crossover between blue delta-press. & green fault slip press.)



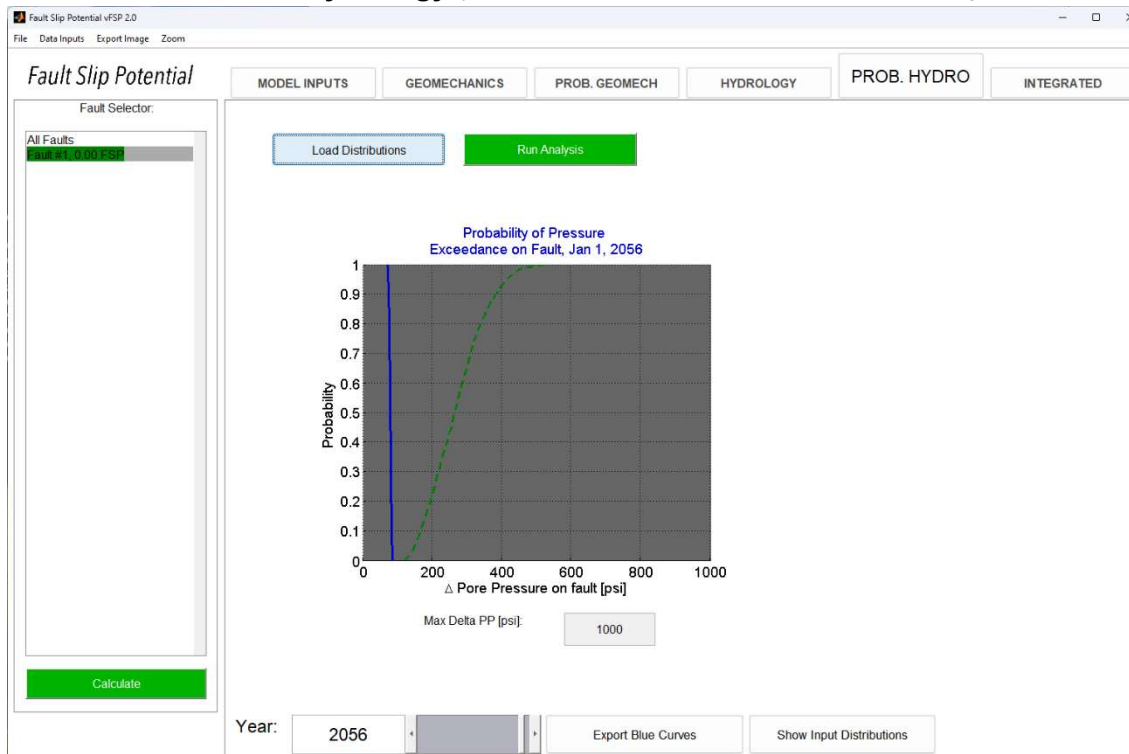
Year 20 Fault Slip Probability (0% after 20 years)

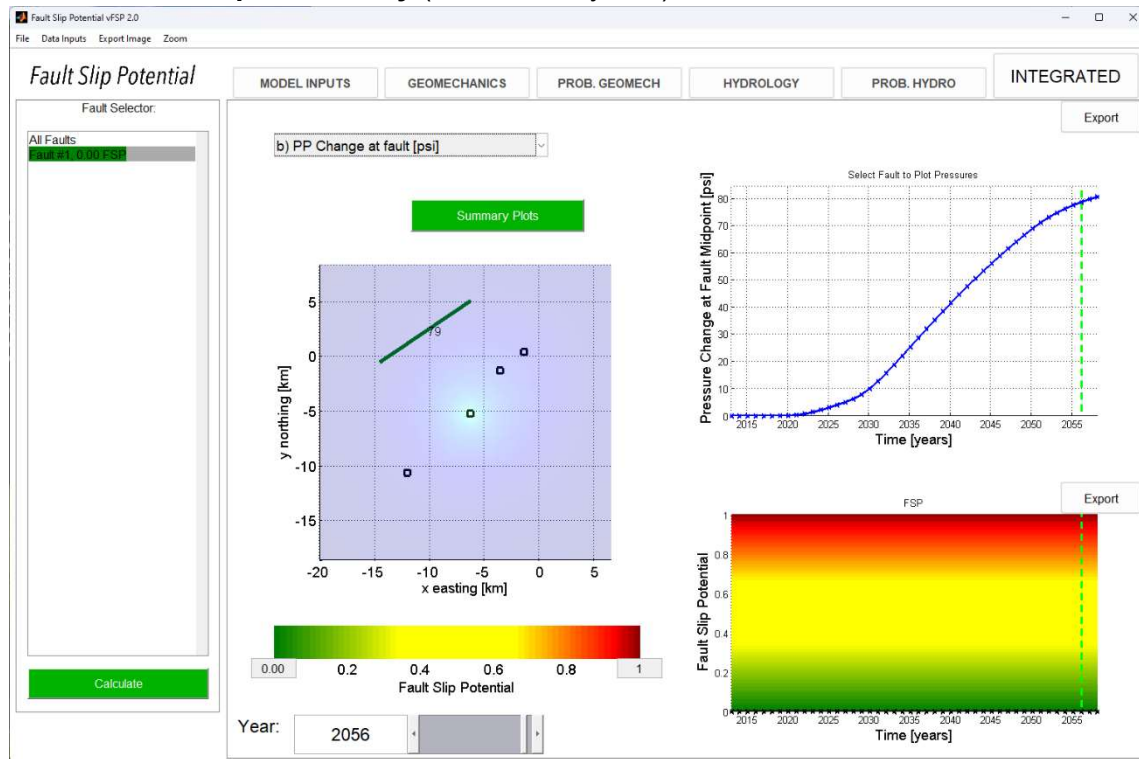


Year 30 Hydrology



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.

Attached in compiled C-108 document.

Attached in compiled C-108 document.

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Attached in compiled C-108 document.

Attached in compiled C-108 document.

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

General Information
Phone: (505) 629-6116

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

Action 485485

CONDITIONS

| | |
|---|--|
| Operator: Permian Oilfield Partners, LLC PO Box 3329 Hobbs, NM 88241 | OGRID: 328259 |
| | Action Number: 485485 |
| | Action Type: [C-108] Fluid Injection Well (C-108) |

CONDITIONS

| | | |
|--------------|-----------|----------------|
| Created By | Condition | Condition Date |
| erica.gordan | None | 7/21/2025 |