



August 20, 2024

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

Subject: Solaris Water Midstream, LLC
Application for Authorization to Inject
Mugatu 28 Fed SWD #1

OCD Director,

Solaris Water Midstream, LLC (Solaris) is applying for administrative approval of the attached Application for Authorization to Inject (Form C-108) for their proposed Mugatu 28 Fed SWD #1. The application is requesting authorization to dispose of saltwater from oil and gas production in the area via commercial disposal into the Devonian-Silurian Formations in Eddy County, NM.

Questions regarding this application or the included materials can be directed to Nate Alleman (Solaris Contract Regulator Advisor) via telephone at 918-237-0559 or via email at nate.alleman@aceadvisors.com.

Sincerely,

A handwritten signature in black ink that reads "Nathan Alleman".

Nate Alleman
Chief Regulatory Advisor
Ace Energy Advisors

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: <u>Solaris Water Midstream</u>	OGRID Number: <u>371643</u>
Well Name: <u>Mugatu 28 Fed SWD #1</u>	API: <u>30-015-xxxxx</u>
Pool: <u>SWD; Devonian-Silurian</u>	Pool Code: <u>97869</u>

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) **TYPE OF APPLICATION:** Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

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

FOR OCD ONLY

- ☐ Notice Complete
☐ Application Content Complete

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

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

Nathan Alleman

Print or Type Name

Nathan Alleman

Signature

08/20/2024

Date

918-237-0559

Phone Number

nate.alleman@aceadvisors.com

e-mail Address

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.**

Operator: Solaris Water Midstream, LLC (OGRID # 371643)
 Lease/Well Name & Number: Mugatu 28 Fed SWD #1
 Legal Location: 944' FNL & 563' FWL - Unit D – Section 28 T23S R29E – Eddy County
 Coordinates: 32.28063038, -103.99665071 (NAD 83)

- (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.**

Casing String	Hole Size (in)	Casing Size (in)	Casing Depth (ft)	Sacks Cement (sx)	Top of Cement (ft)	Method Determined
Surface	26	20	705	1,234	0	Circulation
1 st Intermediate (Salt String)	17-1/2	13-3/8	3,077	2,814	0	Circulation
2 nd Intermediate	12-1/4	9-5/8	11,200	3,370	0	Circulation
Production Liner	8-1/2	7-5/8	10,450 – 14,507	417	10,450	Calculation - Circulate to top of liner @10,450'
Open-Hole Injection Interval	6-1/2	N/A	Open Hole: 14,507 - 15,800	N/A	N/A	N/A

DV Tool: @ 3,025' on 2nd Intermediate Casing string (and potential use of External Casing Packer (ECP)).

A wellbore diagram is included in **Attachment 1**.

- (3) **A description of the tubing to be used including its size, lining material, and setting depth.**
 5-1/2" x 5" Split string (tapered @ 10,250') internal plastic-coated tubing set at 14,487', which is 20' above the top of the injection interval.

- (4) **The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.**

Tryton Permanent Packer (or equivalent) set at 14,487'

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.**

Injection Formation Name - Devonian-Silurian
 Pool Name - SWD; Devonian-Silurian
 Pool Code – 97869

- (2) **The injection interval and whether it is perforated or open-hole.**

Open-hole injection between 14,507' - 15,800'

- (3) **State if the well was drilled for injection or, if not, the original purpose of the well.**

New drill for injection

- (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.**

None

- (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.**

- **Overlying**
 - Delaware (3,000')
 - Bone Spring (7,500')
 - Wolfcamp (9,860')
 - Morrow (12,600')
- **Underlying - None**

V. AOR Maps

Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

The following figures are included in **Attachment 2**:

- 2-Mile Well Map
- 1-Mile Well Map
- 1-Mile AOR Well List
- 2-Mile Lease Map
- 1-Mile Surface Ownership Map
- 1-Mile Mineral Ownership Map
- 1-Mile Potash Map
- 1.5-Mile Deep SWD Map

VI. AOR List

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.

Details of the wells within the 1-mile AOR are included in **Attachment 2**. No wells within the 1-mile AOR penetrate the top of the proposed injection zone.

VII. Operational Information

Attach data on the proposed operation, including:

- (1) Proposed average and maximum daily rate and volume of fluids to be injected;**
Maximum: 45,000 bpd
Average: 25,000 bpd
- (2) Whether the system is open or closed;**
The system will be closed.
- (3) Proposed average and maximum injection pressure;**
Maximum: 2,901 psi (surface)
Average: approx. 2,500 psi (surface)
- (4) Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water;**
It is anticipated that produced water from Delaware, Bone Spring, Wolfcamp and Morrow production wells in the area will be injected into the proposed SWD. Therefore, water analyses from these formations was obtained and are included in **Attachment 3**.
- (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.).**
The proposed injection interval for this SWD includes the Devonian-Silurian formation(s), which are non-productive zones known to be compatible with formation water from the Delaware, Bone Spring, Wolfcamp and Morrow formations. Water analyses of samples collected from the proposed injection formation in the area were obtained and are included in **Attachment 4**.

VIII. Geologic Description

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.

The targeted interval are the Devonian and Silurian formations consisting of carbonates including light-colored dolomite and chert intervals interspersed with some tight limestone intervals. Several thick sections of porous dolomite capable of taking water are present within the injection formations in the area. Depth control data was inferred from deep wells in the vicinity. If the base of Devonian and top of Silurian and/or Ordovician rocks come in as expected the well will only be drilled deep enough for adequate logging rathole.

At a proposed depth of 15,800 BGL (Below Ground Level) the well will TD approximately 1,293 feet below the estimated top of the Devonian of 14,507' BGL.

The overlying confinement of the injection interval is provided by 146 cumulative feet of impermeable rock in the Woodford shale.

Underlying confinement of the injection interval is provided by 1,105 cumulative feet of carbonates consisting of limestones mixed with cherts in the Ordovician Simpson and Cambrian Ellenburger.

The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, was determined to occur at the top of the Rustler formation at a depth of 355'. Water wells in the area for domestic/livestock use are drilled to a depth of approximately 31' - 400'.

A Seismic Risk Assessment, including Fault Slip Potential Model, is included in **Attachment 5**.

IX. Proposed Stimulation Program

Describe the proposed stimulation program, if any.

A minor acid job utilizing 15-20% hydrochloric acid may be used to cleanup the wellbore.

X. Logging and Test Data

Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

Logs will be run and submitted to the Division once the well is completed.

XI. Groundwater Wells

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.

Based on data obtained from the New Mexico Office of the State Engineer (OSE), a total of 6 groundwater wells (1 active, 4 pending and 1 plugged) are located within 1 mile of the proposed SWD location. Two water wells were determined to be potential sampling candidates based on the OSE-listed status and purpose; however, a field visit determined that the water wells are either not present within the 1-mile sampling or are no longer in service.

Attachment 6 includes a 1-mile Water Well Map and Water Well Detail Table.

XII. No Hydrologic Connection Statement

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.

A geologic review conducted using offset wireline log data and published regional studies did not identify any faulting in the vicinity of the proposed locations that would allow for the hydraulic communication between the injection interval and overlying USDWs. The base of the lowermost USDW, identified as the top of the first anhydrite, was determined to occur at the top of the Rustler formation at a depth of 355'.

A signed affirmative statement is included in **Attachment 7**.

XIII. Proof of Notice

Applicants must complete the "Proof of Notice" section on the reverse side of this form.

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.

A copy of the application was mailed to the Affected Persons, including the OCD District Office, surface owner, leasehold operators within the AOR, and BLM/SLO if they own minerals within the AOR. **Attachment 6** includes a list of the Affected Persons receiving notice of the application and the associated certified mailing receipts (green sheets).

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.

A Public Notice was published in the Carlsbad Current-Argus, a newspaper of general circulation in the area, and the associated affidavit is included in **Attachment 8**.

Attachment 1

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 97869	³ Pool Name SWD; DEVONIAN-SILURIAN
⁴ Property Code	⁵ Property Name MUGATU 28 FED SWD	⁶ Well Number #1
⁷ OGRID No. 371643	⁸ Operator Name SOLARIS WATER MIDSTREAM, LLC.	⁹ Elevation 3018'

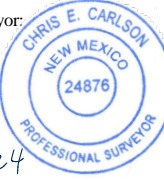
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	23-S	29-E		944	NORTH	563	WEST	EDDY

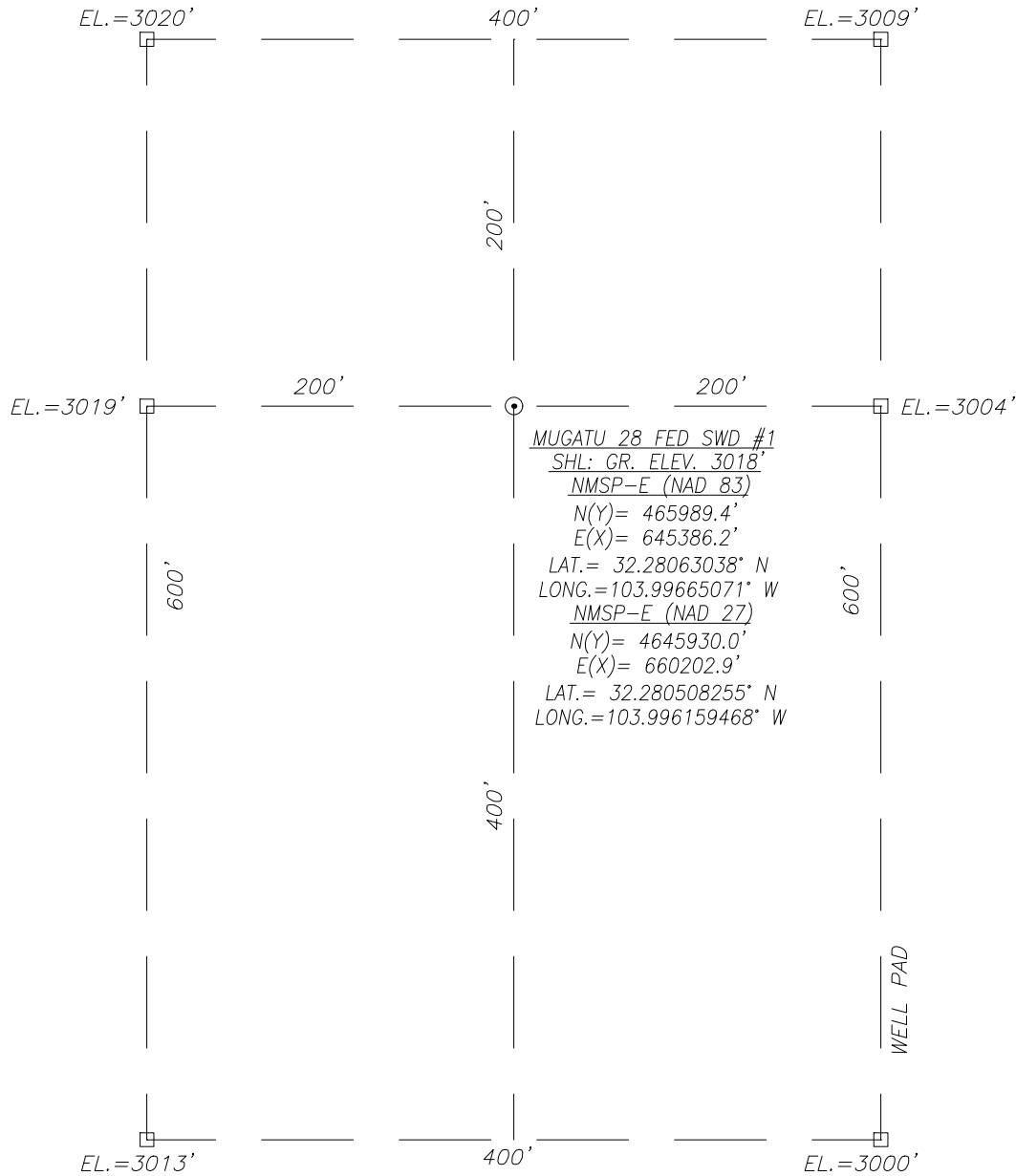
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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

<p>NW CORNER LAT: 32.28322895°N LONG: 103.99848412°W</p> <p>563' 944' S.H.L.</p>	<p>N/4 CORNER LAT: 32.28321073°N LONG: 103.98988151°W</p>	<p>NE CORNER LAT: 32.28323231°N LONG: 103.98121347°W</p>	<p>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Nate Alleman</i> 7/15/2024 Signature Date</p> <p>Nate Alleman Printed Name</p> <p>nate.alleman@aceadvisors.com E-mail Address</p>
<p>W/4 CORNER LAT: 32.27589439°N LONG: 103.99845123°W</p>	<p>MUGATU 28 FED SWD #1 SHL: GR. ELEV. 3018' NMSP-E (NAD 83) N(Y)= 465989.4' E(X)= 645386.2' LAT.= 32.28063038° N LONG.= 103.99665071°W NMSP-E (NAD 27) N(Y)= 465930.0' E(X)= 660202.9' LAT.= 32.280508255° N LONG.= 103.996159468° W</p>	<p>E/4 CORNER LAT: 32.27591282°N LONG: 103.98120184°W</p>	<p>¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p><i>Chris E. Carlson</i> 6/25/2024 Certificate Number</p> <p></p>
<p>SW CORNER LAT: 32.26857326°N LONG: 103.99841364°W</p>	<p>S/4 CORNER LAT: 32.26859668°N LONG: 103.98978657°W</p>	<p>SE CORNER LAT: 32.26859228°N LONG: 103.98119039°W</p>	

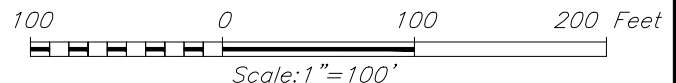
SECTION 28, TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY NEW MEXICO



DIRECTIONS TO LOCATION:

BEGINNING IN LOVING, NM. AT THE INTERSECTION OF HWY. 285 AND ST. HWY. 31 HEAD EAST ON ST. HWY. 31 ± 7.5 MILES. TURN RIGHT AND HEAD EAST ON ST. HWY. 128 ± 4.5 MILES. TURN RIGHT AND HEAD SOUTH ON RAWHIDE ROAD ± 4.5 MILES. TURN RIGHT AND HEAD WEST ON LEASE ROAD FOR ± 4.3 MILES. THE WELL STAKED LOCATION FLAG IS NORTH ± 525 FEET.

ELEVATIONS SHOWN WERE DERIVED FROM STATIC GPS AND ARE IN N.A.V.D. 1988 DATUM.



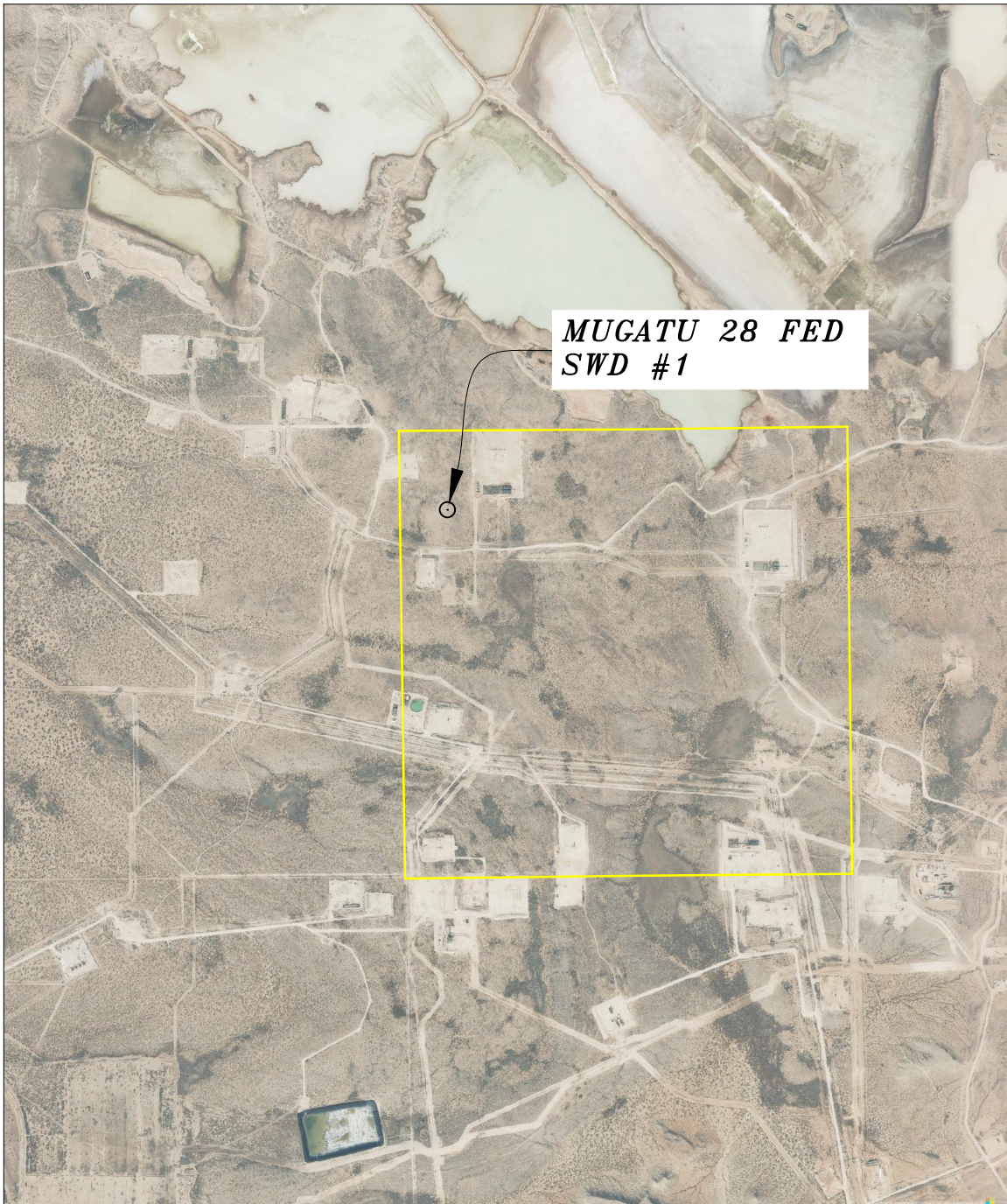
DOWNTOWN DESIGN SERVICES, INC.
16 EAST 16th STREET, SUITE 400
TULSA, OK 74119
Tel: 918-592-3374 Fax: 918-221-3940
www.ddsiglobal.com

SOLARIS WATER MIDSTREAM, LLC.

MUGATU 28 FED SWD #1
LOCATED 944 FEET FROM THE NORTH LINE
AND 563 FEET FROM THE WEST LINE OF SECTION 28,
TOWNSHIP 23 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

SURVEY DATE: JUNE 19, 2023	PAGE: 1 OF 1
DRAFTING DATE: JUNE 20, 2023	
APPROVED BY: CEC	DRAWN BY: TJA
FILE: MUGATU 28 FED SWD #1	

VICINITY MAP



SEC. 28 TWP. 23-S RGE. 29-E
 SURVEY N.M.P.M.
 COUNTY EDDY STATE NEW MEXICO
 DESCRIPTION 944' FNL & 563' FWL
 N.A.V.D. 88 ELEVATION 3018'
 OPERATOR SOLARIS WATER MIDSTREAM, LLC.
 LEASE MUGATU 28 FED SWD #1
 U.S.G.S. TOPOGRAPHIC MAP
EDDY, N.M.

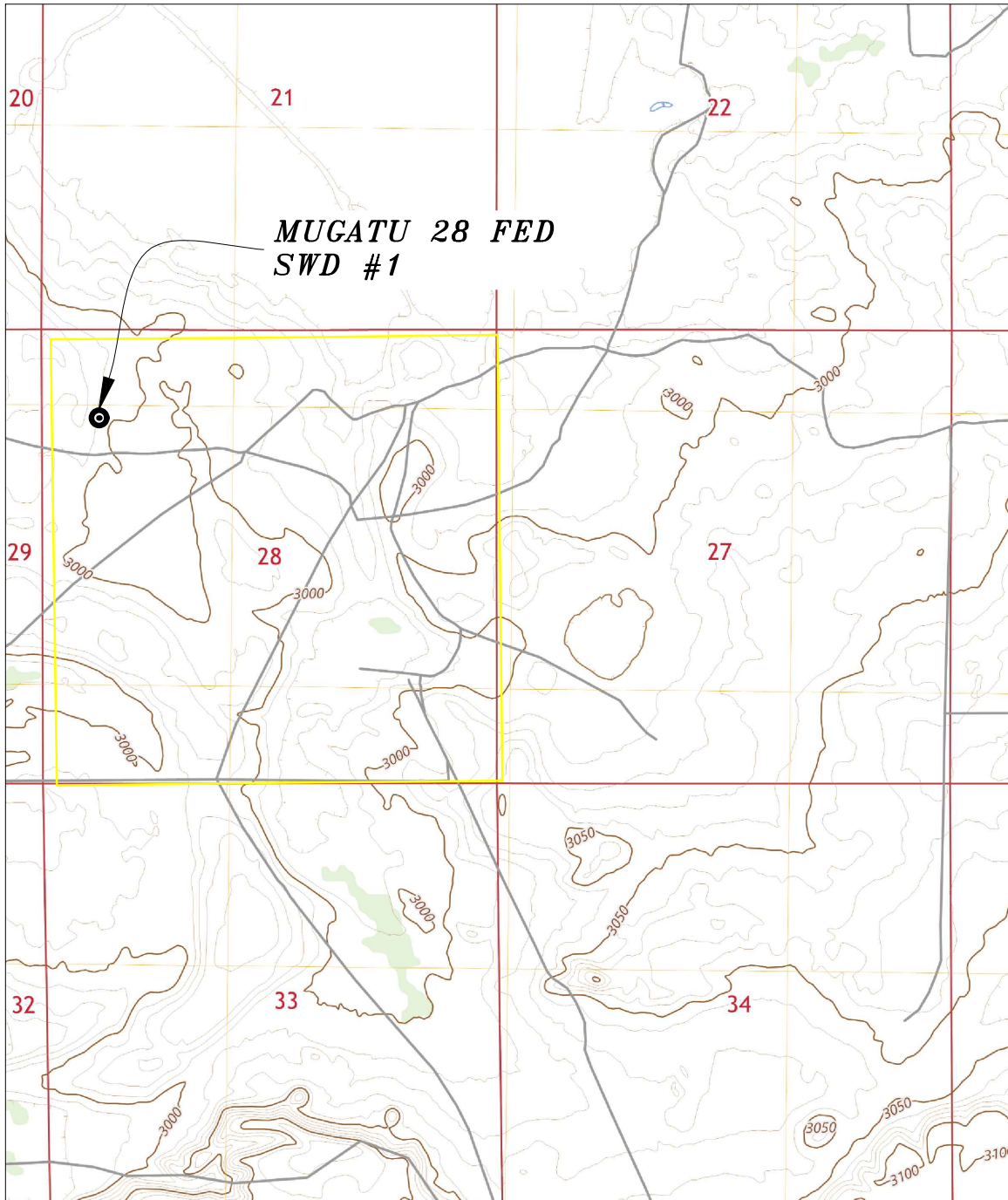
SCALE: 1" = 2000'

ELEVATIONS SHOWN WERE DERIVED FROM
 STATIC GPS AND ARE IN N.A.V.D 1988 DATUM.

SOLARIS WATER MIDSTREAM, LLC.

SURVEY DATE: JUNE 19, 2024	PAGE: 1 OF 1
DRAFTING DATE: JUNE 20, 2024	
APPROVED BY: CEC	DRAWN BY: TJA
FILE: MUGATU 28 FED SWD#1	

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 28 TWP. 23-S RGE. 29-E
 SURVEY N.M.P.M.
 COUNTY EDDY STATE NEW MEXICO
 DESCRIPTION 944' FNL & 563' FWL
 N.A.V.D.88 ELEVATION 3018'
 OPERATOR SOLARIS WATER MIDSTREAM, LLC.
 LEASE MUGATU 28 FED SWD #1
 U.S.G.S. TOPOGRAPHIC MAP
 EDDY, N.M.

ELEVATIONS SHOWN WERE DERIVED FROM
 STATIC GPS AND ARE IN N.A.V.D 1988 DATUM.

SOLARIS WATER MIDSTREAM, LLC.

SURVEY DATE: JUNE 19, 2024	PAGE: 1 OF 1
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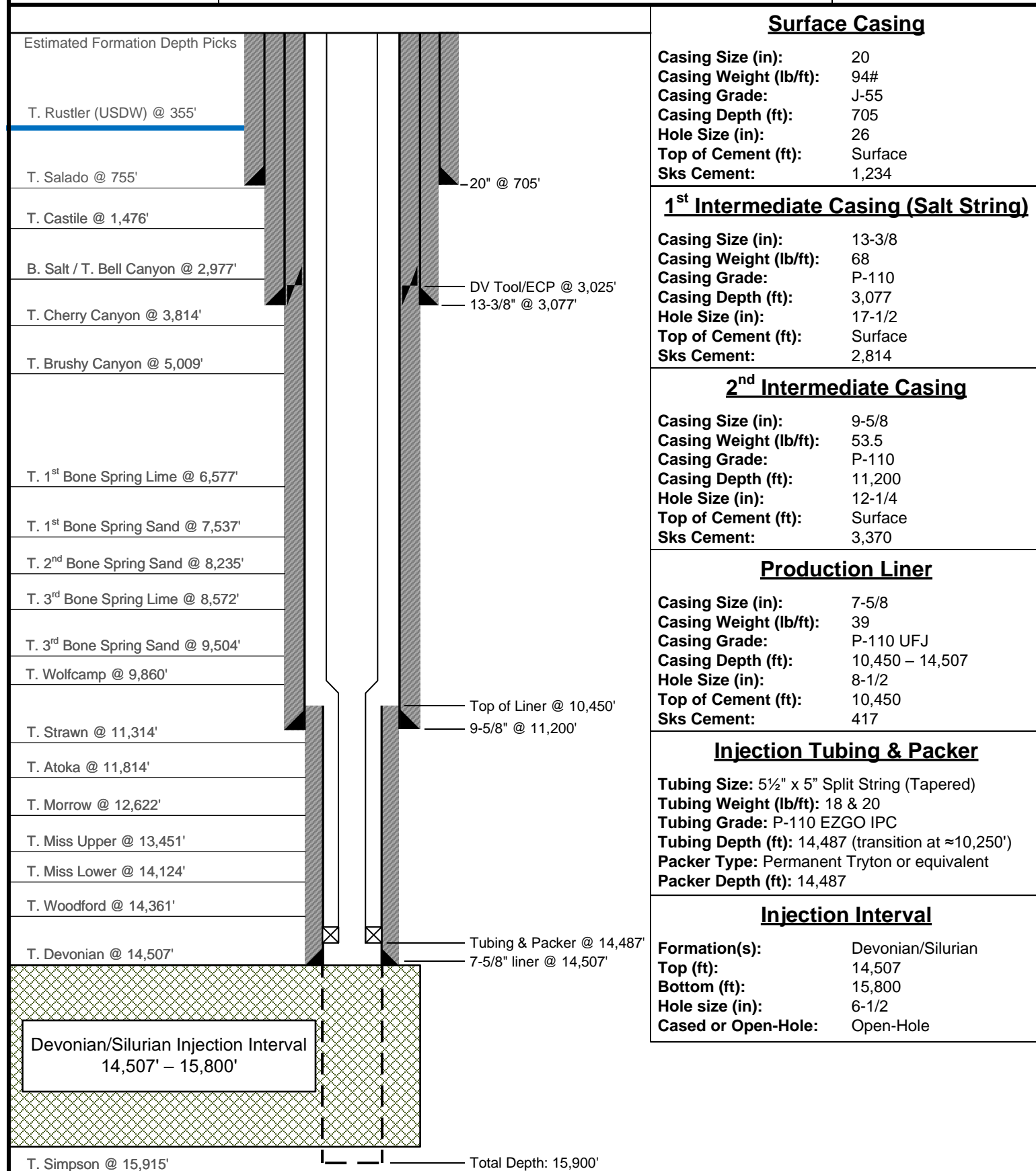
Prepared By:



Mugatu 28 Fed SWD #1

Proposed Wellbore Diagram

Prepared For:



Note: Listed depths and cement volumes are estimates based on evaluation of the available information.

NOT TO SCALE

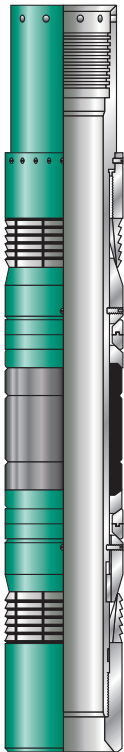


PERMAPAC PERMANENT SEAL BORE PACKER

The Tryton PermaPac Permanent Seal Bore Packer is a large bore, versatile permanent packer that can be used for single or multiple zone completions. It is ideally suited for HPHT and hostile environment applications as it can be readily manufactured out of several alternative material configurations. The PermaPac can be used for virtually any completion or production operation and can be converted into a temporary bridge plug by using a knock-out, pump-out or hydraulic disconnect bottom assembly.

The PermaPac Seal Bore Packer utilizes Tryton PermaPac seal bore accessories to make the tubing seal as well as other options.

- ➔ WIRELINE OR HYDRAULIC SET
- ➔ COMPONENTS KEYED FOR MILLING
- ➔ LARGE SEAL BORE
- ➔ CAN BE MADE WITH VARIOUS METALLURGIES AND ELASTOMERS
- ➔ CUSTOMIZED TO SUIT APPLICATIONS INCLUDING HPHT ENVIRONMENTS UP TO 260°C/500°F



TECHNICAL DATA

CASING SIZE		CASING WEIGHT		MAX O.D.		PACKER BORE		MIN. BORE THRU SEALS	
in.	mm	lbs/ft	kg/m	in	mm	in.	mm	in.	mm
4 1/2	114.3	9.5-13.5	14.4-20.1	3.750	95.25	2.390	60.71	1.703	43.26
4 1/2	114.3	13.5-15.1	20.1-22.5	3.594	91.29	2.500	63.50	1.901	48.29
4 1/2	114.3	9.5-13.5	14.1-20.1	3.750	95.25	2.688	68.28	1.938	49.23
5	127.0	15.0-20.8	22.3-31.0	3.968	100.79	2.390	60.71	1.703	43.26
5	127.0	15.0-20.8	22.3-31.0	3.968	100.79	2.688	68.28	1.938	49.23
5	127.0	11.5-13.0	17.1-19.3	4.250	107.95	2.688	68.28	1.938	49.23
5 1/2	139.7	13.0-17.0	19.3-25.3	4.562	115.87	2.688	68.28	1.938	49.23
5 1/2	139.7	17.0-23.0	25.3-34.2	4.437	112.70	2.688	68.28	1.938	49.23
5 1/2	139.7	13.0-17.0	19.3-25.3	4.562	115.87	3.000	76.20	2.375	60.30
5 1/2	139.7	17.0-23.0	25.3-34.2	4.437	112.70	3.000	76.20	2.375	60.30
5 1/2	139.7	23.0-26.0	34.2-38.7	4.250	107.95	2.688	68.28	1.938	49.23
7	177.8	23.0-32.0	34.2-47.6	5.813	147.65	3.250	82.55	2.416	61.13
7	177.8	32.0-38.0	47.6-56.5	5.625	142.87	3.250	82.55	2.416	61.13
7	177.8	17.0-23.0	25.3-34.2	6.000	152.40	3.250	82.55	2.406	61.11
7	177.8	17.0-23.0	25.3-34.2	6.000	152.40	4.000	101.60	3.000	76.20
7	177.8	23.0-32.0	34.3-43.2	5.875	149.23	4.000	101.60	3.000	76.20
7 5/8	193.7	24.0-39.0	35.7-58.0	6.625	158.75	3.250	82.55	2.406	61.11
7 5/8	193.7	24.0-33.7	35.7-50.2	6.500	165.10	4.000	101.60	3.000	76.20
7 5/8	193.7	33.7-39.0	50.2-58.0	6.125	155.58	4.000	101.60	3.000	76.20
9 5/8	244.5	29.3-53.5	43.6-79.6	8.125	206.38	3.250	82.55	2.406	61.11
9 5/8	244.5	29.3-53.5	43.6-79.6	8.125	206.38	4.000	101.60	3.000	76.20
9 5/8	244.5	29.3-53.5	43.6-79.6	8.125	206.38	4.750	120.65	3.875	98.43
9 5/8	244.5	36.0-47.0	53.6-69.9	8.438	214.33	6.000	152.40	4.875	123.83
9 5/8	244.5	40.0-58.4	60.4-86.9	8.218	208.74	6.000	152.40	4.875	123.83

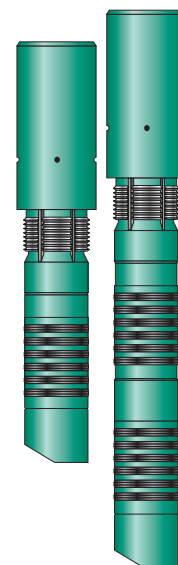


PERMAPAC LATCH SEAL ASSEMBLIES

The Tryton PermaPac Latch Seal Assemblies are used for applications in which it is desirable to land the tubing in tension, compression or neutral or where an on/off connector, PBR or other similar device may be used.

The seal assembly is latched into the packer with set down weight and released with right-hand rotation while holding tension in the string.

For use with all models of seal bore packers and typically comes with a bottom lead in sub.

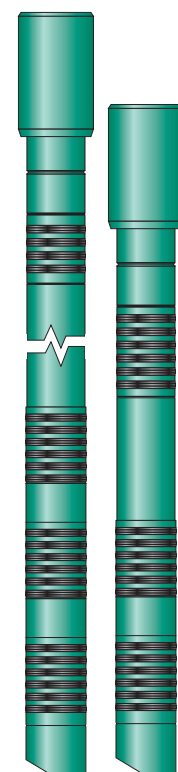


- SEAL CONFIGURATIONS CUSTOMIZED TO SUIT APPLICATIONS INCLUDING HPHT ENVIRONMENTS UP TO 260°C / 500°F
- CHEVRON OR BONDED SEALS AVAILABLE
- SEAL MATERIALS AVAILABLE INCLUDE NITRILE, HNBR, AFLAS, RYTON, VITON, CHEMRAZ, KALREZ AND TEFLON

PERMAPAC LOCATOR SEAL ASSEMBLIES

The Tryton PermaPac Locator Seal Assemblies are used for applications in which seal movement is necessary due to tubing contraction or in multiple packer applications. The locator seal assemblies may be combined with spacer seal units, spacer tubes, seal units and barrier seals to make up a longer seal assembly if required for use with a seal bore extension, a PBR or a retrievable seal bore packer.

For use with all models of seal bore packers and typically comes with a bottom lead in sub.

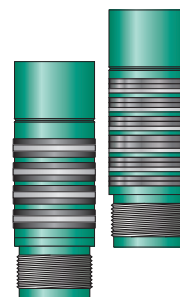




PERMAPAC SEAL UNITS

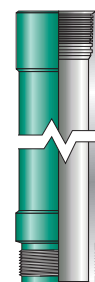
PermaPac Seal Units are designed so that the combination of seal units with spacer tubes and debris barriers are utilized as required in a seal bore completion design in order to ensure seal integrity is not compromised.

The Seals can either be bonded or 'vee' seal design and are available in various materials.



PERMAPAC SEAL SPACER TUBE

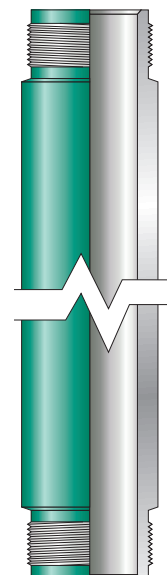
PermaPac Seal Spacer Tubes are used to lengthen seal assemblies if required. Spacer tubes are available in various lengths and are available for all seal assembly sizes.



PERMAPAC SEAL BORE EXTENSION

PermaPac Seal Bore Extensions are used to provide sufficient seal bore length so long seal assemblies may be used to accommodate tubing movement. Seal bore extensions are available for all sizes of PermaPac packers.

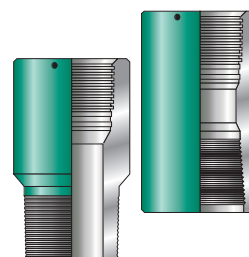
Seal Bore Extensions standard lengths are 1.5 m (5 ft) and 3 m (10 ft) lengths. Other lengths may be available if required.



PERMAPAC TUBING ADAPTERS/CONCENTRIC COUPLINGS

PermaPac Tubing Adapters are used to allow the connection of tailpipe directly to the bottom of the packer or seal bore extension. Tubing adapters are available for all seal assemblies and compatible tubing connections.

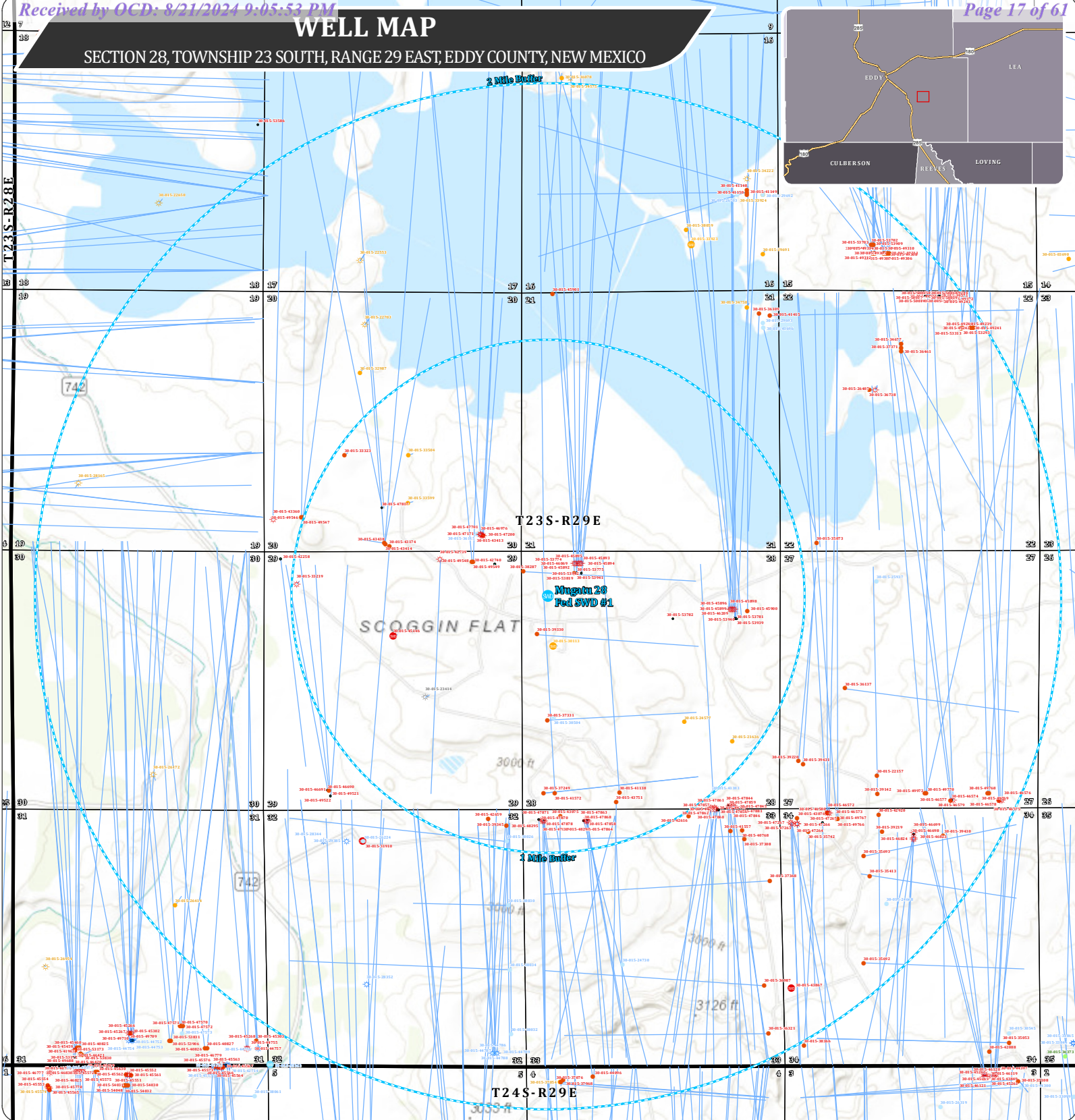
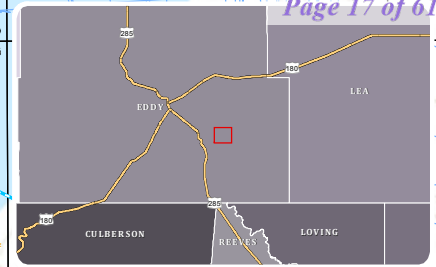
PermaPac Concentric Couplings are used to join to compatible sized seal bores to ensure proper alignment when running the seal assembly. The Concentric Coupling is available for all seal bore sizes.



Attachment 2

WELL MAP

SECTION 28, TOWNSHIP 23 SOUTH, RANGE 29 EAST, EDDY COUNTY, NEW MEXICO



1:32,000

0 1,000 2,000 3,000
Feet**Legend**

- Proposed SWD
- Well Buffer
- Gas, Active
- Gas, Cancelled
- Gas, Plugged
- Gas, Temporary Abandonment
- Injection, Active
- Injection, Plugged
- Injection, Temporary Abandonment (expired)
- Oil, Active
- Oil, Cancelled
- Oil, Plugged
- Oil, Temporary Abandonment
- Oil, Zone Plugged (permanent)
- Salt Water Disposal, Active
- Salt Water Disposal, Cancelled
- Salt Water Disposal, Plugged
- Water, Active
- Water, Plugged

Mugatu 28 Fed SWD #1**OPERATOR:**
SOLARIS WATER MIDSTREAM, LLC.

Project Managed By:
ACE
Energy Advisors

(918) 237-0559
nate.allen@aceadvisors.com

Map Prepared By:

COOSA
CONSULTING

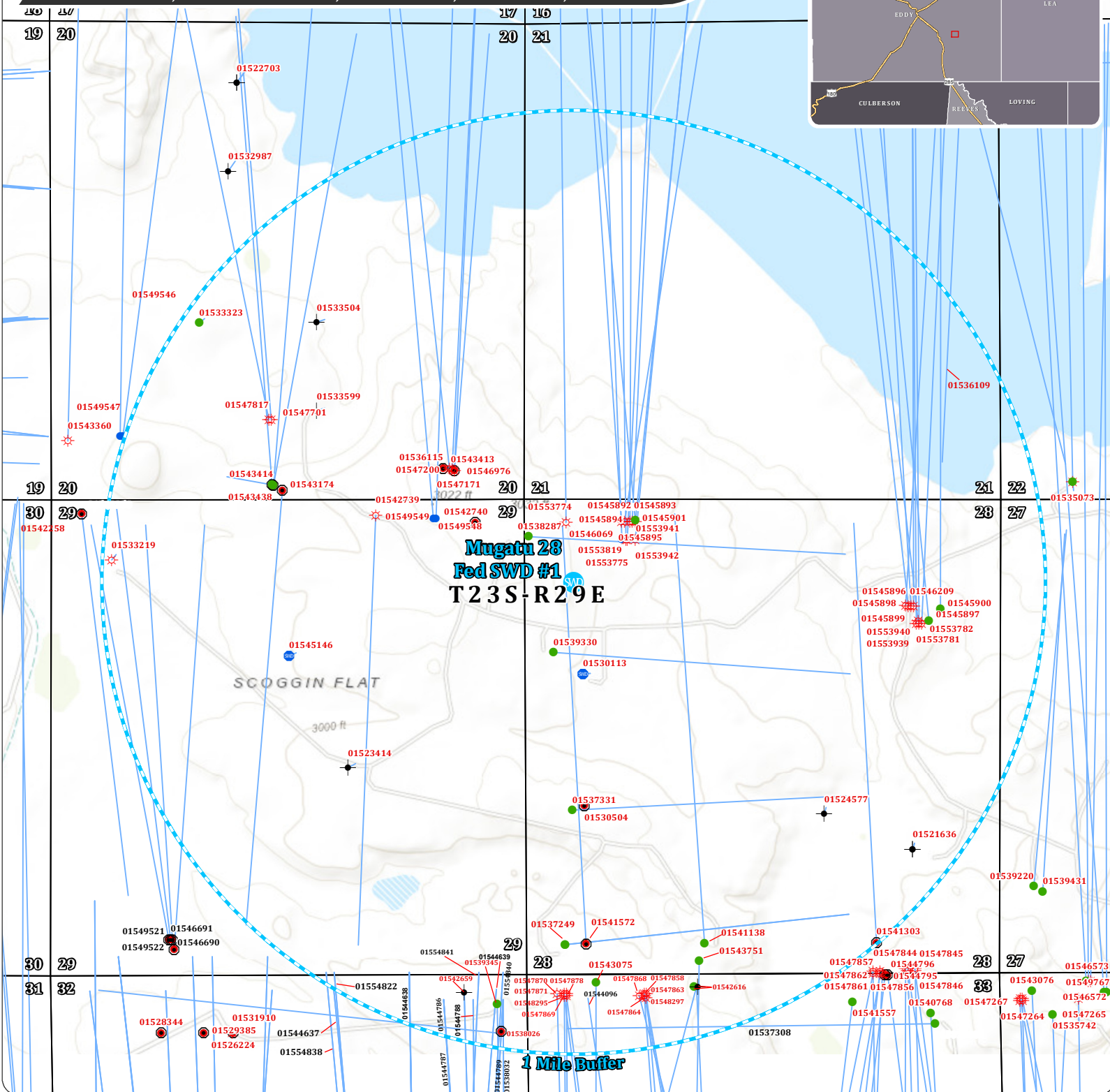
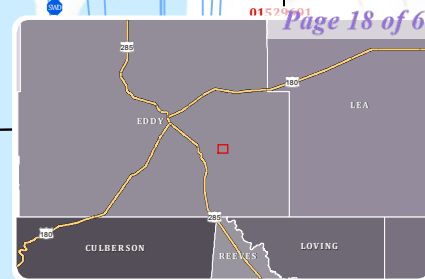
(432) 631-4738
info@coosaconsulting.com

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



WELL MAP

SECTION 28, TOWNSHIP 23 SOUTH, RANGE 29 EAST, EDDY COUNTY, NEW MEXICO



1:18,000

0 1,000 2,000 3,000 Feet

Legend

- Proposed SWD
- Well Buffer
- Oil
- Gas
- Disposal
- Drilling
- Permitted
- Cancelled/Expired Permit
- P/A
- TA

Mugatu 28 Fed SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.



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NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



1-mile Well List (Top of Injection Interval: 14,507')

Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
LUGUNA GRANDE #001	30-015-21636	Oil	LAGUNA GRANDE, LLC	Plugged	11/13/1975	I-28-23S-29E	13,700	No
LAGUNA GRANDA UNIT #003	30-015-23414	Gas	CIMAREX ENERGY CO. OF COLORADO	Plugged	9/7/1980	J-29-23S-29E	13,690	No
BLAKEMORE ESTATE FEDERAL #001	30-015-24577	Oil	EXXON MOBIL CORPORATION	Plugged	11/3/1983	J-28-23S-29E	7,000	No
COCHITI 28 FEDERAL #001	30-015-30113	SWD	DEVON ENERGY PRODUCTION COMPANY, LP	Plugged	5/3/1998	E-28-23S-29E	10,180	No
COCHITI 28 FEDERAL #002	30-015-30504	Oil	DEVON ENERGY PRODUCTION CO.	Cancelled	-	28-23S-29E	0	No
LAGUNA GRANDE FEDERAL #004	30-015-33219	Gas	CIMAREX ENERGY CO. OF COLORADO	Active	4/26/2004	D-29-23S-29E	12,333	No
TELEDYNE 20 #004	30-015-33323	Oil	BTA OIL PRODUCERS, LLC	Active	3/27/2004	K-20-23S-29E	6,758	No
USA TELEDYNE 20 #005	30-015-33504	Oil	CHEVRON U S A INC	Plugged	8/25/2004	J-20-23S-29E	6,850	No
HARROUN RANCH FEDERAL 20702 #001	30-015-33599	Oil	BTA OIL PRODUCERS, LLC	Plugged	3/7/2008	O-20-23S-29E	13,000	No
IMC 21 FEDERAL COM #002H	30-015-36109	Oil	RAYBAW Operating, LLC	Active	2/26/2008	A-21-23S-29E	10,671	No
HARROUN RANCH FEDERAL #002C	30-015-36115	Oil	BTA OIL PRODUCERS, LLC	Cancelled	-	P-20-23S-29E	0	No
CYPRESS 28 FEDERAL #001H	30-015-37249	Oil	OXY USA INC	Active	9/10/2009	M-28-23S-29E	10,275	No
CYPRESS 33 FEDERAL #002H	30-015-37308	Oil	OXY USA INC	Active	10/20/2009	A-33-23S-29E	11,400	No
CYPRESS 28 FEDERAL #002H	30-015-37331	Oil	OXY USA INC	Active	2/18/2010	L-28-23S-29E	7,784	No
GRANDE STATE #002E	30-015-38026	Oil	NADEL AND GUSSMAN PERMIAN, LLC	Cancelled	-	A-32-23S-29E	0	No
GRANDE STATE #004E	30-015-38032	Oil	NADEL AND GUSSMAN PERMIAN, LLC	Cancelled	-	P-32-23S-29E	0	No
CYPRESS 28 FEDERAL #003H	30-015-38287	Oil	OXY USA INC	Active	1/10/2011	D-28-23S-29E	7,790	No
CYPRESS 28 FEDERAL #004H	30-015-39330	Oil	OXY USA INC	Active	10/4/2011	E-28-23S-29E	7,753	No
MACHO GRANDE STATE #001H	30-015-39345	Oil	RAYBAW Operating, LLC	Active	10/27/2011	A-32-23S-29E	12,350	No
CYPRESS 28 FEDERAL #006H	30-015-41138	Oil	OXY USA INC	Active	1/9/2015	N-28-23S-29E	6,574	No
CYPRESS 28 FEDERAL #007H	30-015-41303	Oil	OXY USA INC	Cancelled	-	O-28-23S-29E	0	No
CYPRESS 28 FEDERAL #005H	30-015-41572	Oil	OXY USA INC	New	-	M-28-23S-29E	0	No
MACHO GRANDE STATE #002H	30-015-42659	Oil	MARATHON OIL PERMIAN LLC	Active	1/17/2015	A-32-23S-29E	10,970	No
CYPRESS 33 FEDERAL COM #007H	30-015-42616	Oil	OXY USA INC	Active	9/10/2014	C-33-23S-29E	8,738	No
LAGUNA GRANDE UNIT #007H	30-015-42739	Gas	CIMAREX ENERGY CO. OF COLORADO	Active	1/11/2018	B-29-23S-29E	9,995	No
LAGUNA GRANDE UNIT #008H	30-015-42740	Gas	CIMAREX ENERGY CO. OF COLORADO	New	-	A-29-23S-29E	0	No
CYPRESS 33 FEDERAL COM #008H	30-015-43075	Oil	OXY USA INC	Active	1/5/2016	D-33-23S-29E	8,734	No
LAGUNA GRANDE 29 FEDERAL #006	30-015-43174	Oil	CIMAREX ENERGY CO. OF COLORADO	New	-	N-20-23S-29E	0	No
HARROUN RANCH FEDERAL COM 20702 #005E	30-015-43413	Oil	BTA OIL PRODUCERS, LLC	New	-	P-20-23S-29E	0	No
HARROUN RANCH FEDERAL COM 20702 #004H	30-015-43414	Oil	BTA OIL PRODUCERS, LLC	Active	1/24/2018	O-20-23S-29E	10,925	No
HARROUN RANCH FEDERAL COM 20702 #003H	30-015-43438	Oil	BTA OIL PRODUCERS, LLC	Active	2/9/2018	N-20-23S-29E	10,855	No
CYPRESS 33 FEDERAL COM #009H	30-015-43751	Oil	OXY USA INC	Active	5/4/2016	N-28-23S-29E	9,943	No
CYPRESS 33 FEDERAL COM #010H	30-015-44096	Oil	OXY USA INC	Active	4/16/2017	C-04-24S-29E	9,930	No
CB SE 5 32 FEDERAL COM #011H	30-015-44637	Gas	CHEVRON U S A INC	Active	3/15/2018	P-05-24S-29E	10,063	No
CB SE 5 32 FEDERAL COM #012H	30-015-44638	Gas	CHEVRON U S A INC	Active	3/16/2018	P-05-24S-29E	10,093	No
CB SE 5 32 FEDERAL COM #013H	30-015-44639	Gas	CHEVRON U S A INC	Active	3/18/2018	P-05-24S-29E	10,096	No
MACHO GRANDE STATE 23 29 32 WA #005H	30-015-44786	Gas	MARATHON OIL PERMIAN LLC	Cancelled	-	P-32-23S-29E	0	No
MACHO GRANDE STATE 23 29 32 TB #006H	30-015-44787	Oil	MARATHON OIL PERMIAN LLC	Cancelled	-	P-32-23S-29E	0	No
MACHO GRANDE STATE 23 29 32 TB #006H	30-015-44788	Oil	MARATHON OIL PERMIAN LLC	Cancelled	-	P-32-23S-29E	0	No
MACHO GRANDE STATE 23 29 32 WXY #010H	30-015-44789	Gas	MARATHON OIL PERMIAN LLC	Cancelled	-	P-32-23S-29E	0	No
LAKESIDE 20702 SWD #001	30-015-45146	SWD	NGL WATER SOLUTIONS PERMIAN, LLC	Expired	-	G-29-23S-29E	0	No
BLUE STEEL 21 FB FEE #025H	30-015-45892	Gas	MARATHON OIL PERMIAN LLC	Active	8/26/2019	D-28-23S-29E	7,739	No
BLUE STEEL 21 WXY FEE #006H	30-015-45893	Gas	MARATHON OIL PERMIAN LLC	Active	8/25/2019	D-28-23S-29E	9,994	No
BLUE STEEL 21 WXY FEE #008H	30-015-45894	Gas	MARATHON OIL PERMIAN LLC	Active	8/23/2019	D-28-23S-29E	10,042	No
BLUE STEEL 21 WA FEE #009H	30-015-45895	Gas	MARATHON OIL PERMIAN LLC	Active	8/24/2019	D-28-23S-29E	10,234	No
BLUE STEEL 21 WYX FEDERAL COM #012H	30-015-45896	Gas	MARATHON OIL PERMIAN LLC	Active	1/30/2020	A-28-23S-29E	10,089	No

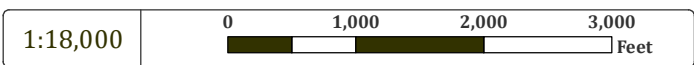
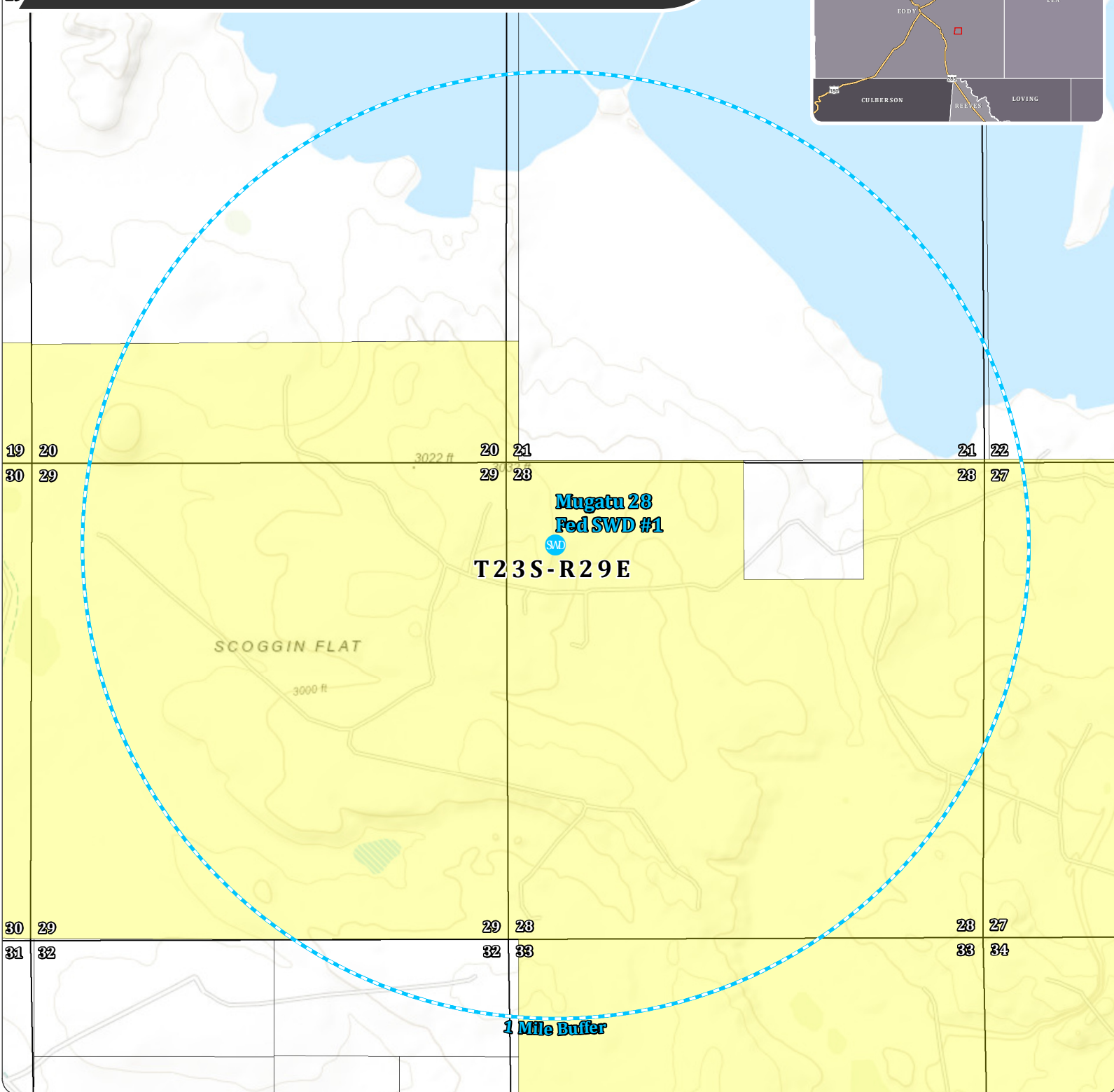
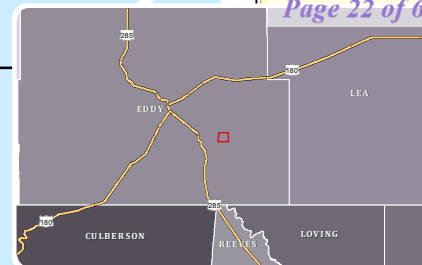
1-mile Well List (Top of Injection Interval: 14,507')

Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
BLUE STEEL 21 SB FEDERAL COM #013H	30-015-45897	Oil	MARATHON OIL PERMIAN LLC	New	-	A-28-23S-29E	0	No
BLUE STEEL 21 WA FEDERAL COM #014H	30-015-45898	Gas	MARATHON OIL PERMIAN LLC	Active	2/2/2020	A-28-23S-29E	10,249	No
BLUE STEEL 21 WA FEDERAL COM #015H	30-015-45899	Gas	MARATHON OIL PERMIAN LLC	Active	1/1/2020	A-28-23S-29E	0	No
BLUE STEEL 21 SB FEDERAL COM #019H	30-015-45900	Oil	MARATHON OIL PERMIAN LLC	New	-	A-28-23S-29E	0	No
BLUE STEEL 21 FB FEE #021H	30-015-45901	Oil	MARATHON OIL PERMIAN LLC	Active	8/25/2019	D-28-23S-29E	7,736	No
BLUE STEEL 21 WA FEE #002H	30-015-46069	Gas	MARATHON OIL PERMIAN LLC	Active	8/27/2019	D-28-23S-29E	10,225	No
BLUE STEEL 21 WYX FEDERAL COM #018H	30-015-46209	Gas	MARATHON OIL PERMIAN LLC	Active	1/22/2020	A-28-23S-29E	10,116	No
LAGUNA GRANDE 29 FEDERAL #015H	30-015-46690	Oil	CIMAREX ENERGY CO. OF COLORADO	Cancelled	-	M-29-23S-29E	0	No
LAGUNA GRANDE 29 FEDERAL #016H	30-015-46691	Oil	CIMAREX ENERGY CO. OF COLORADO	Cancelled	-	M-29-23S-29E	0	No
HARROUN RANCH FEDERAL COM #005H	30-015-46976	Gas	BTA OIL PRODUCERS, LLC	Active	11/3/2020	P-20-23S-29E	0	No
HARROUN RANCH 20720 20 17 FEDERAL COM #007H	30-015-47171	Gas	BTA OIL PRODUCERS, LLC	Active	11/5/2020	P-20-23S-29E	10,076	No
HARROUN RANCH FEDERAL COM #006H	30-015-47200	Gas	BTA OIL PRODUCERS, LLC	Active	2/2/2020	P-20-23S-29E	10,074	No
HARROUN RANCH 20720 20 17 FEDERAL COM #008H	30-015-47701	Gas	BTA OIL PRODUCERS, LLC	Active	6/2/2021	N-20-23S-29E	9,940	No
HARROUN RANCH 20720 20 17 FEDERAL COM #009H	30-015-47817	Gas	BTA OIL PRODUCERS, LLC	New	6/1/2021	N-20-23S-29E	9,914	No
CYPRESS 33 FEDERAL COM #212H	30-015-47858	Gas	OXY USA INC	New	-	C-33-23S-29E	0	No
CYPRESS 33 FEDERAL COM #242H	30-015-47863	Gas	OXY USA INC	Active	4/23/2022	D-33-23S-29E	10,977	No
CYPRESS 33 FEDERAL COM #235H	30-015-47864	Gas	OXY USA INC	Active	4/22/2022	D-33-23S-29E	10,840	No
CYPRESS 33 FEDERAL COM #232H	30-015-47868	Gas	OXY USA INC	New	-	D-33-23S-29E	0	No
CYPRESS 33 FEDERAL COM #245H	30-015-47869	Gas	OXY USA INC	Active	4/1/2022	D-33-23S-29E	10,953	No
CYPRESS 33 FEDERAL COM #241H	30-015-47870	Gas	OXY USA INC	New	-	D-33-23S-29E	0	No
CYPRESS 33 FEDERAL COM #231H	30-015-47871	Gas	OXY USA INC	Active	4/1/2022	D-33-23S-29E	10,757	No
CYPRESS 33 FEDERAL COM #211H	30-015-47878	Gas	OXY USA INC	New	-	D-33-23S-29E	0	No
CYPRESS 33 FEDERAL COM #211H	30-015-47878	Gas	OXY USA INC	New	-	D-33-23S-29E	0	No
CYPRESS 33 FEDERAL COM #205H	30-015-48295	Gas	OXY USA INC	Active	4/1/2022	D-33-23S-29E	10309	No
CYPRESS 33 FEDERAL COM #207H	30-015-48297	Gas	OXY USA INC	Active	4/23/2022	C-33-23S-29E	10,299	No
LAGUNA GRANDE 29 FEDERAL #017H	30-015-49521	Gas	CIMAREX ENERGY CO. OF COLORADO	New	-	N-29-23S-29E	0	No
LAGUNA GRANDE 29 FEDERAL #018H	30-015-49522	Gas	CIMAREX ENERGY CO. OF COLORADO	New	-	N-29-23S-29E	0	No
HARROUN RANCH 20720 20 17 FEDERAL COM #012H	30-015-49548	Oil	BTA OIL PRODUCERS, LLC	New	-	A-29-23S-29E	0	No
HARROUN RANCH 20720 20 17 FEDERAL COM #013H	30-015-49549	Oil	BTA OIL PRODUCERS, LLC	New	-	A-29-23S-29E	0	No
BLUE STEEL 21 WD FEE #003H	30-015-53774	Gas	MARATHON OIL PERMIAN LLC	New	-	D-28-23S-29E	0	No
BLUE STEEL 21 WD FEE #005H	30-015-53775	Gas	MARATHON OIL PERMIAN LLC	New	-	D-28-23S-29E	0	No
BLUE STEEL BS FEDERAL COM #504H	30-015-53781	Gas	MARATHON OIL PERMIAN LLC	New	-	H-28-23S-29E	0	No
BLUE STEEL BS FEDERAL COM #503H	30-015-53782	Gas	MARATHON OIL PERMIAN LLC	New	-	H-28-23S-29E	0	No
BLUE STEEL 21 FB FEE #004H	30-015-53819	Oil	MARATHON OIL PERMIAN LLC	New	-	D-28-23S-29E	0	No
BLUE STEEL 21 WD FEDERAL COM #016H	30-015-53939	Gas	MARATHON OIL PERMIAN LLC	New	-	H-28-23S-29E	0	No
BLUE STEEL 21 WD FEDERAL COM #016H	30-015-53939	Gas	MARATHON OIL PERMIAN LLC	New	-	H-28-23S-29E	0	No
BLUE STEEL 21 WD FEDERAL COM #017H	30-015-53940	Gas	MARATHON OIL PERMIAN LLC	New	-	H-28-23S-29E	0	No
BLUE STEEL 21 WD FEE #010H	30-015-53941	Gas	MARATHON OIL PERMIAN LLC	New	-	D-28-23S-29E	0	No
BLUE STEEL 21 WD FEE #023H	30-015-53942	Gas	MARATHON OIL PERMIAN LLC	New	-	D-28-23S-29E	0	No
CB SE 5 32 FEDERAL COM #701H	30-015-54822	Gas	CHEVRON U S A INC	New	-	A-08-24S-29E	0	No
CB SE 5 32 FEDERAL COM #201H	30-015-54838	Gas	CHEVRON U S A INC	New	-	A-08-24S-29E	0	No
CB SE 5 32 FEDERAL COM #203H	30-015-54840	Gas	CHEVRON U S A INC	New	-	A-08-24S-29E	0	No
CB SE 5 32 FEDERAL COM #251H	30-015-54841	Gas	CHEVRON U S A INC	New	-	A-08-24S-29E	0	No

Notes: No wells penetrate the injection interval within the AOR.

SURFACE OWNERSHIP MAP

SECTION 28, TOWNSHIP 23 SOUTH, RANGE 29 EAST, EDDY COUNTY, NEW MEXICO



Project Managed By:

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COOSA CONSULTING

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Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US

Legend

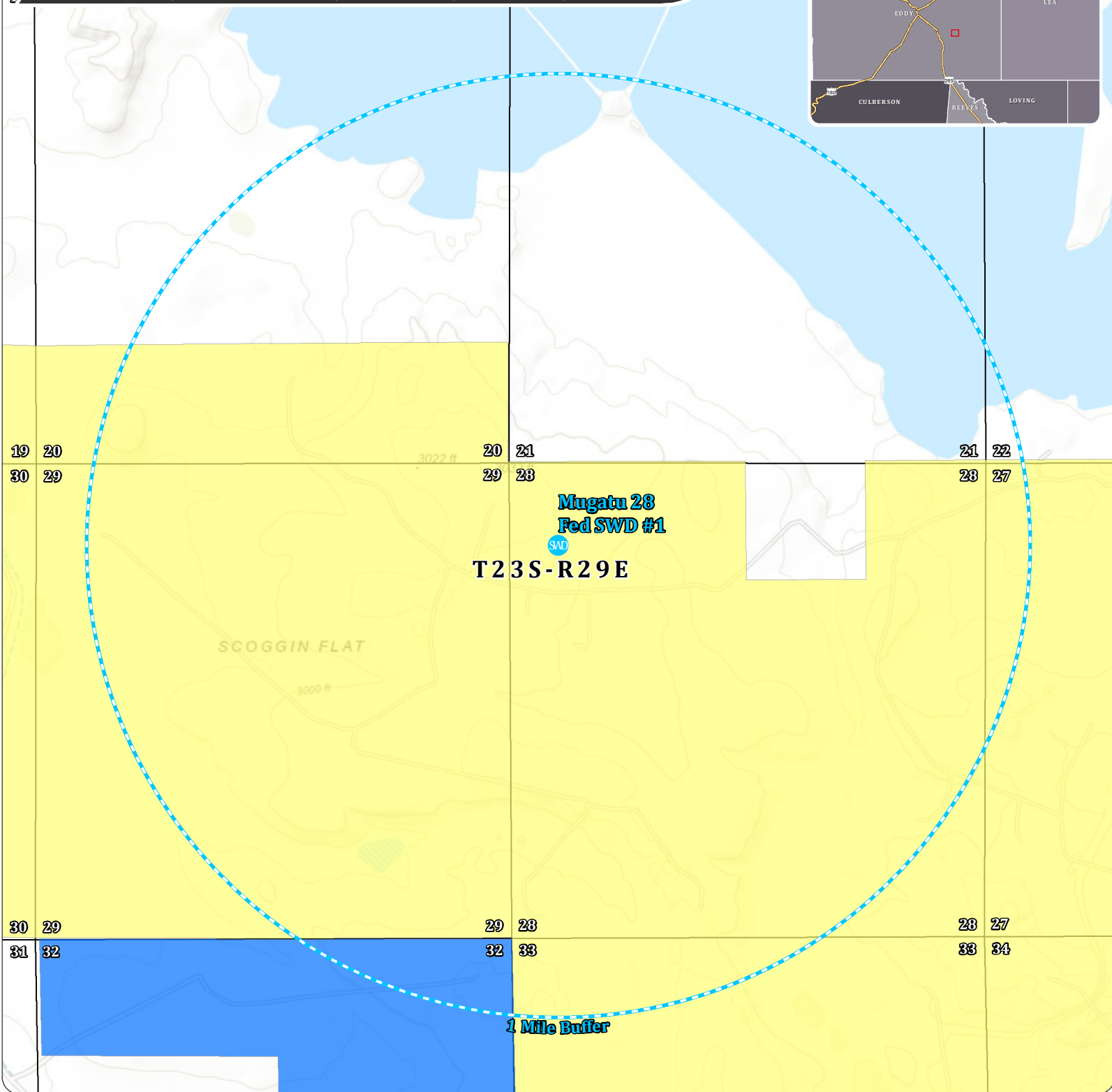
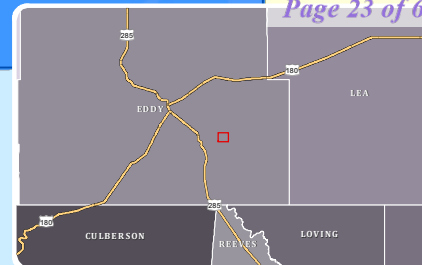
- Proposed SWD
- 1 Mile Buffer
- Federal Land
- State of NM Land
- Private Land

Mugatu 28 Fed SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.

MINERAL OWNERSHIP MAP

SECTION 28, TOWNSHIP 23 SOUTH, RANGE 29 EAST, EDDY COUNTY, NEW MEXICO



1:18,000 0 1,000 2,000 3,000 Feet

Legend

- Proposed SWD
- 1 Mile Buffer
- Subsurface minerals (NMSLO)
- All minerals are owned by U.S. (BLM)
- Private minerals

Mugatu 28 Fed SWD #1

OPERATOR:
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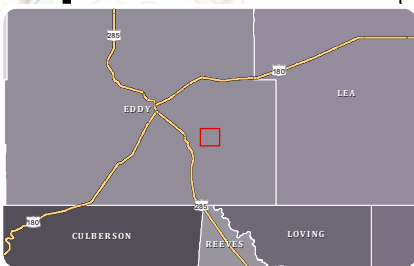
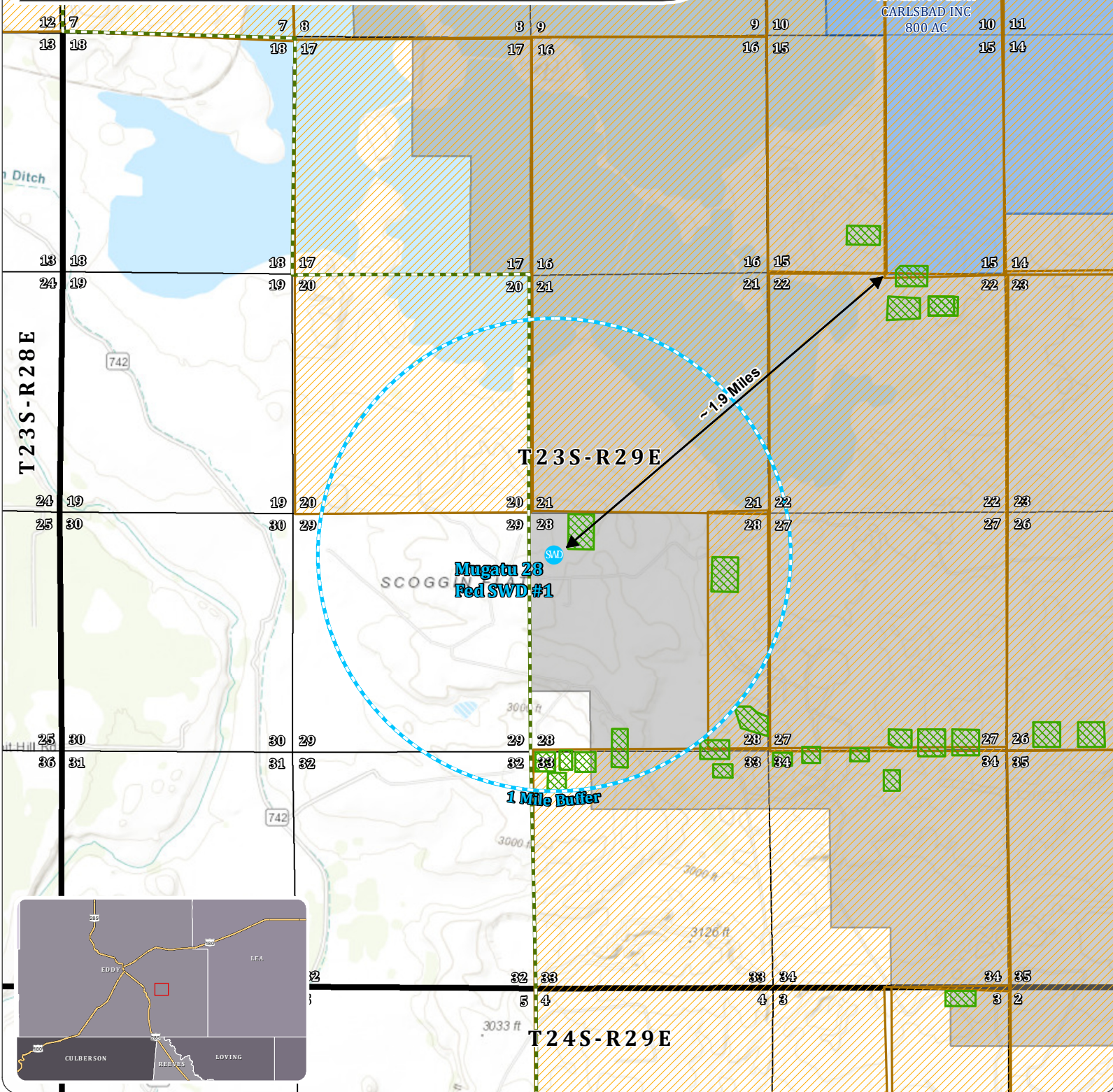
Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



POTASH MAP

SECTION 28, TOWNSHIP 23 SOUTH, RANGE 29 EAST, EDDY COUNTY, NEW MEXICO

MOSAIC POTASH
CARLSBAD INC
800 AC



1:36,000 0 2,000 4,000 6,000 Feet

Legend

- Proposed SWD
- 1 Mile Buffer
- SOGA
- Drill Islands
- Development Areas
- Intrepid and Mosaic Potash Leases
- Known Potash Leasing Area

Mugatu 28 Fed SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.



Project Managed By:
ACE
Energy Advisors

(918) 237-0559
nate.alleman@aceadvisors.com

Map Prepared By:

COOSA
CONSULTING

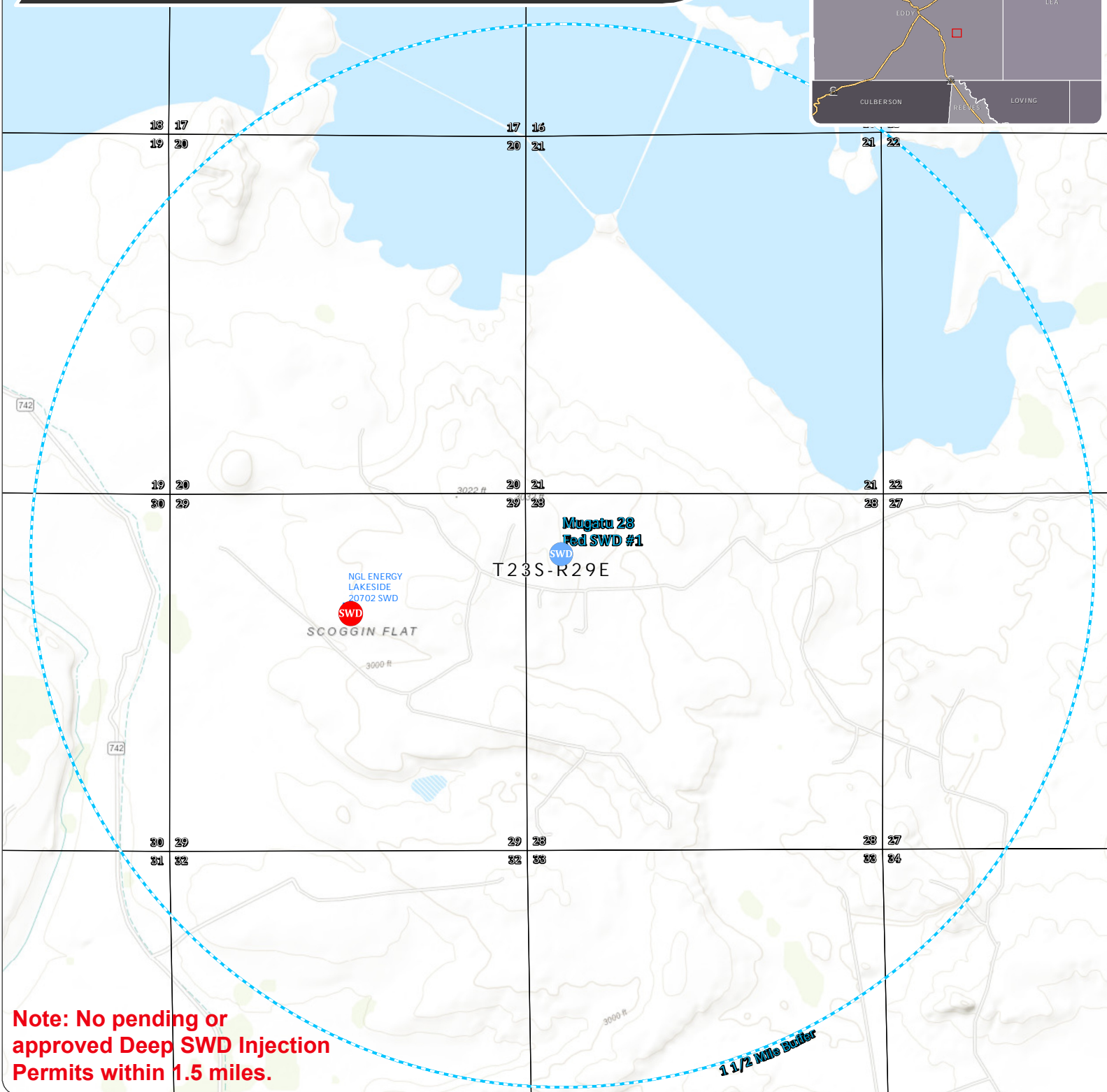
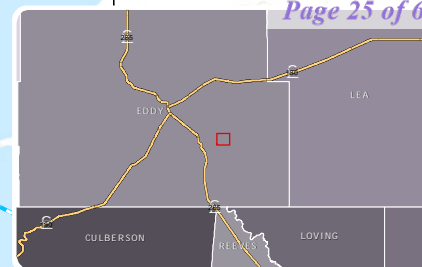
(432) 631-4738
info@coosaconsulting.com

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



DEEP SWD WELL MAP

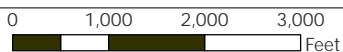
SECTION 28, TOWNSHIP 23 SOUTH, RANGE 29 EAST, EDDY COUNTY, NEW MEXICO



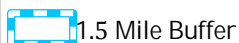
Note: No pending or approved Deep SWD Injection Permits within 1.5 miles.

1 1/2 Mile Buffer

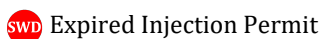
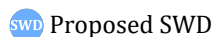
1:24,000



Legend



Deep SWDs



Mugatu 28 Fed SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.



Project Managed By:
ACE
Energy Advisors

(918) 237-0559
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Map Prepared By:



(432) 631-4738
info@coosaconsulting.com

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US

Attachment 3

Source Formation Water Analysis																		
Well Name	API	Latitude	Longitude	Sec.	Township	Range	Unit	Ftgns	Ftgew	County	State	Formation	Sampled	PH	TDS (Mg/L)	Chloride (Mg/L)	Bicarbonate (Mg/L)	Sulfate (Mg/L)
BELL LAKE UNIT A #007	30-025-08367	32.252037	-103.5196075	01	24S	33E	A	660N	660E	LEA	NM	DELAWARE			87686	53920	391	749
LEA UNIT #005	30-025-02429	32.5858536	-103.5116501	12	20S	34E	J	1980S	1980E	LEA	NM	BONE SPRING			202606	118100	5196	992
LEA UNIT #005	30-025-02429	32.5858536	-103.5116501	12	20S	34E	J	1980S	1980E	LEA	NM	BONE SPRING			121800			
MAHUN STATE #001	30-015-20138	32.3933983	-104.7103424	16	22S	22E	F	1800N	1980W	EDDY	NM	WOLFCAMP	1968	8.6	35495	19000	830	2500
MAHUN STATE #001	30-015-20138	32.3933983	-104.7103424	16	22S	22E	F	1800N	1980W	EDDY	NM	WOLFCAMP	1968	8	4568	426	695	2100
CUSTER MOUNTAIN UNIT #001	30-025-20756	32.230217	-103.3745804	09	24S	35E	K	1980S	1980W	LEA	NM	MORROW			282741	176800	161	650

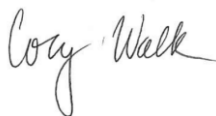
Attachment 4

Disposal Formation Water Analysis																		
Well Name	API	Latitude	Longitude	Sec.	Township	Range	Unit	Ftgns	Ftgew	County	State	Formation	Sampled	PH	TDS (Mg/L)	Chloride (Mg/L)	Bicarbonate (Mg/L)	Sulfate (Mg/L)
BELL LAKE UNIT #006	30-025-08483	32.3282585	-103.507103	06	23S	34E	O	660S	1980E	LEA	NM	DEVONIAN		7	71078	42200	500	1000
ANTELOPE RIDGE UNIT #003	30-025-21082	32.2593155	-103.4610748	34	23S	34E	K	1980S	1650W	LEA	NM	DEVONIAN	1967	6.9	80187	47900	476	900

Attachment 5

Seismic Risk Assessment
Solaris Water Midstream, LLC
Mugatu 28 Fed SWD No. 1
Section 28, Township 23 South, Range 29 East
Eddy County, New Mexico

Cory Walk, M.S.

A handwritten signature in black ink that reads "Cory Walk". The signature is written in a cursive style with a large, stylized "C" and "W".

Geologist
Permits West Inc.

July 19, 2024

GENERAL INFORMATION

Mugatu 28 Fed SWD #1 is located in the NW 1/4, section 28, T.23S, R.29E, about 5.5 miles east of Loving, NM in the Permian Basin. Solaris Water Midstream, LLC proposes to dispose produced water within the Silurian/Devonian Formation through an open hole from 14,492'-15,800' below ground surface. This report assesses any potential concerns relating to induced seismicity along deep penetrating Precambrian faults or the connection between the injection zone and known underground potable water sources.

SEISMIC RISK ASSESSMENT

Historical Seismicity

Searching the USGS earthquake catalog resulted in no (0) earthquakes above a magnitude 2.5 within 6 miles (9.7 km) of the proposed deep disposal site since 1970 (Fig. 1). The nearest earthquake occurred on March 18, 2012 about 6.1 miles (9.8 km) east of the proposed SWD site and had a magnitude of 3.1.

Basement Faults and Subsurface Conditions

A structure contour map (Fig. 1) of the Precambrian basement shows the Mugatu 28 Fed SWD #1 is approximately 13.0 miles (21.0 km) from the nearest basement-rooted fault inferred by Horne et al (2021). **Information about known nearby faults based on GIS data from Horne et al. (2021) is listed in Table 1.**

Snee and Zoback (2018) state, "In the western part of Eddy County, New Mexico, S_{Hmax} is ~north-south (consistent with the state of stress in the Rio Grande Rift; Zoback and Zoback, 1980) but rotates to ~east-northeast-west-southwest in southern Lea County, New Mexico and the northernmost parts of Culberson and Reeves counties, Texas." **Around the Mugatu 28 Fed SWD #1 site, Snee and Zoback indicate a S_{Hmax} direction of N075°E and an A_ϕ of 0.60, indicating an extensional (normal) stress regime.**

Fault Slip Potential (FSP) Modeling

Induced seismicity is a growing concern of deep SWD wells. Software developed by the Stanford Center for Induced and Triggered Seismicity allows for the probabilistic screening of deeply penetrating faults near the proposed injection zone (Walsh et al., 2016; Walsh et al., 2017). This software uses parameters such as stress orientations, fault strike/dip, injection rates, fault friction coefficients, etc. to estimate the potential for fault slip. Using the best available data as input parameters (Table 2) including the subject well injecting at the proposed maximum of 45,000 bbls/day and all other existing SWDs within a 6 mile radius injecting at their individual historical peak annual volume and the proposed SWDs injecting at their proposed maximum rates (24 total SWD wells), the Fault Slip Potential (FSP) models suggest a five (0.05) percent chance of slip on a nearby fault, inferred by Horne et al. (2021), through the year 2044 (Fig. 2; Table 1). **This model also suggests a pore pressure increase of 55 psi on the nearest publicly known fault (Fault 27; Fig. 3; Table 1) by the year 2044.** Geomechanical modeling shows that the primary fault

of concern (fault 3) would need a pressure increase of 1699 psi to reach a 100% probability of slip on the fault. A 50% probability requires an increase of 394 psi which is 14x greater than the modeled increase of 28 psi (Fig. 3).

GROUNDWATER SOURCES

Quaternary Alluvium acts as the principal aquifer used for potable ground water near the Mugatu 28 Fed SWD #1 location (Hendrickson and Jones, 1952). Nicholson and Clebsch (1961) state, "Potable ground water is not available below the Permian and Triassic unconformity but, because this boundary is not easily defined, the top of the Rustler anhydrite formation is regarded as the effective lower limit of 'potable' ground water." Around the Mugatu 28 Fed SWD #1, the top of the Rustler Formation lies at an estimated depth of 200' bgs.

VERTICAL MIGRATION OF FLUIDS

Permeability barriers exist above (Woodford shale; 125 ft thick) and below (Simpson Group; 290 ft thick) the targeted Silurian/Devonian injection zone (Plate 2, Comer et al., 1991; Fig. 8, Frenzel et al., 1988). Precambrian structure contours (Ruppel, 2009) show the basement to be at a depth of approximately 16,690' in this area. Therefore, the injection zone lies approximately 890' above the Precambrian basement and approximately 14,290' below the previously stated lower limit of potable water at the top of the Rustler formation.

CONCLUDING STATEMENTS

After examination of publicly available geologic and engineering data, there is no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

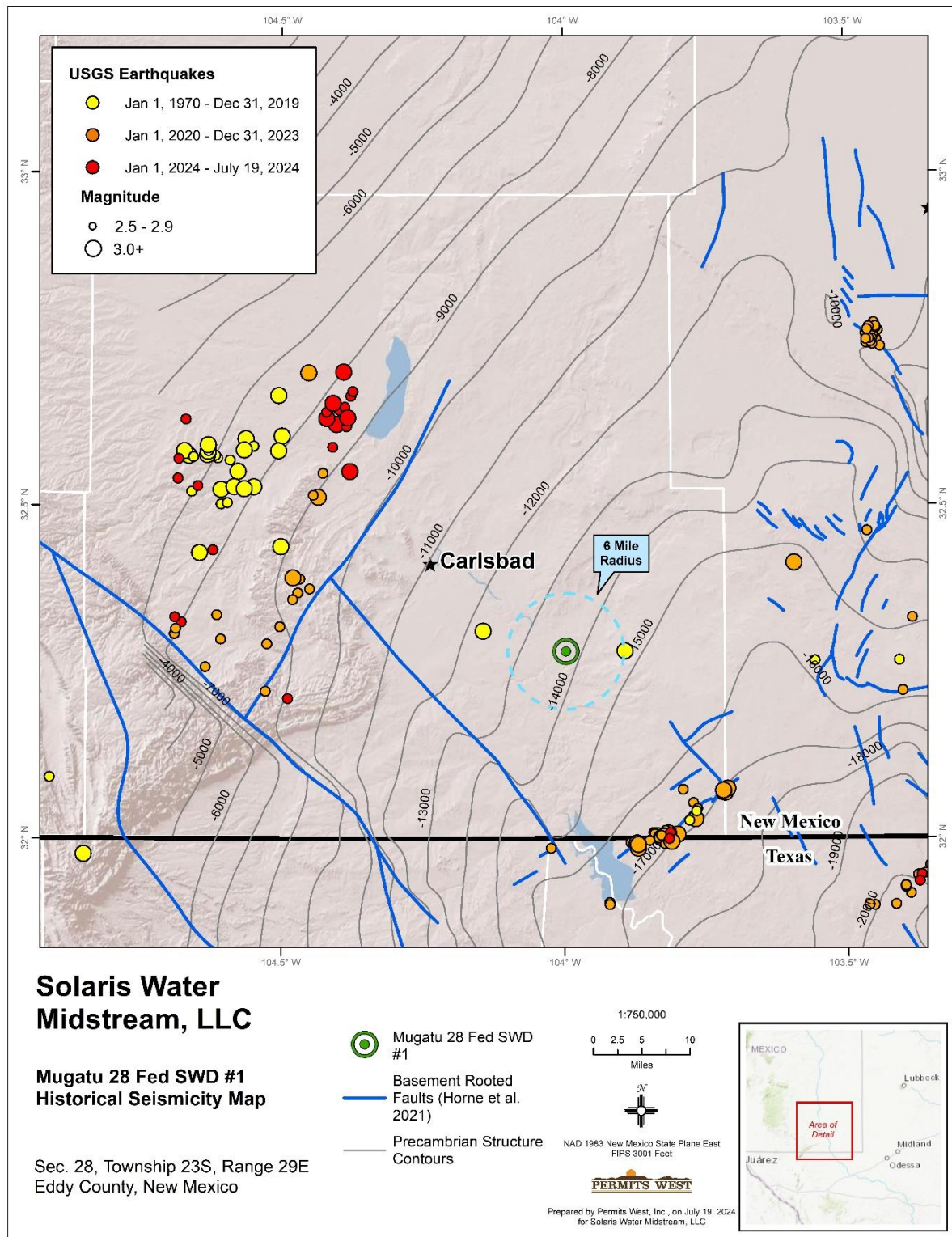


Figure 1. Structural contour map of the Precambrian basement in feet below sea level. Blue lines represent the locations of Precambrian basement-rooted faults (Horne et al., 2021). Mugatu 28 Fed SWD #1 well lies ~13.0 miles northeast of the closest deeply penetrating fault and 6.1 miles west from the closest historic earthquake.

Table 1: Nearby Basement Fault Model Results

Fault Number	Distance to proposed SWD (mi)	Strike (°)	Dip (°)	FSP (2044)	Δ Pore Pressure after 20 years (psi)	Δ Pore Pressure needed for 100% FSP (psi)	Δ Pore Pressure needed for 50% FSP (psi)
Fault 27	13.0	135	65	0.00	55	4463	2164
Fault 3	15.4	240	66	0.05	28	1699	394

Table 2: Fault Slip Potential model input parameters

Faults	Value	Notes
Friction Coefficient	0.58	Ikari et al. (2011)
Dip Angle (deg)	60-72	Horne et al. (2021)
Stress		
Vertical stress gradient (psi/ft)	1.1	Hurd and Zoback (2012)
Max Horizontal Stress Direction (deg)	75	Snee and Zoback (2018)
Depth for calculations (ft)	15800	Proposed injection zone
Initial Reservoir Pressure Gradient (psi/ft)	0.7	calculated from mud wt (ppg) used in drilling at these depths
A Phi Parameter	0.60	Snee and Zoback (2018)
Reference Friction Coefficient	0.58	Ikari et al. (2011)
Hydrology		
Aquifer thickness (ft)	1300	Proposed injection zone
Porosity (%)	6	
Permeability (mD)	150	
Injection Rate (bbl/day)	45000	Maximum proposed injection rate

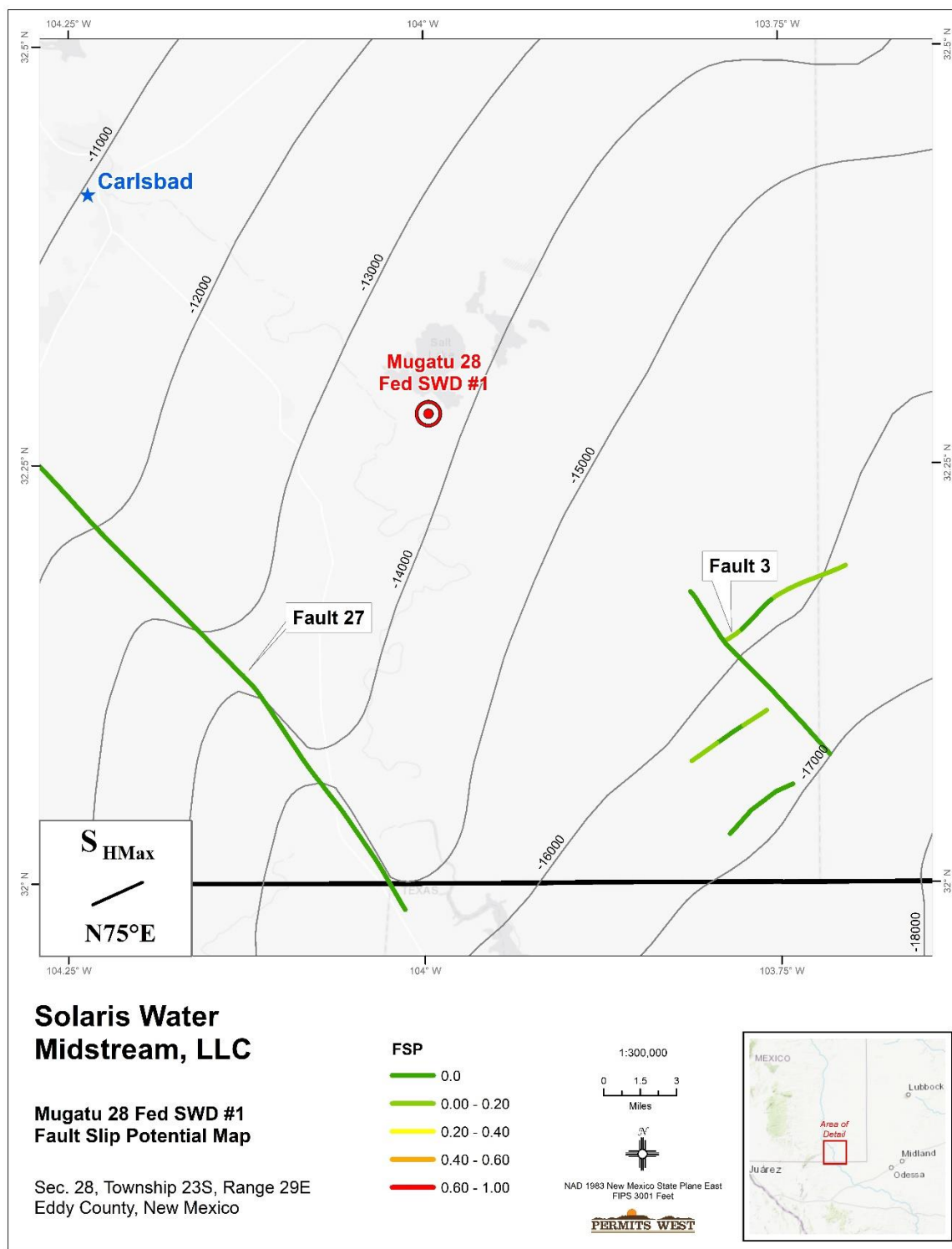


Figure 2. Precambrian fault map of the Mugatu 28 Fed SWD #1 area as mapped by Horne et al. (2021). Faults are colored based on probability of fault slip as modeled using Fault Slip Potential software (Walsh and Zoback, 2016). Labeled values represent the calculated fault slip potential using the parameters indicated in Table 2. Contours show the top of the Precambrian basement in feet below sea level.

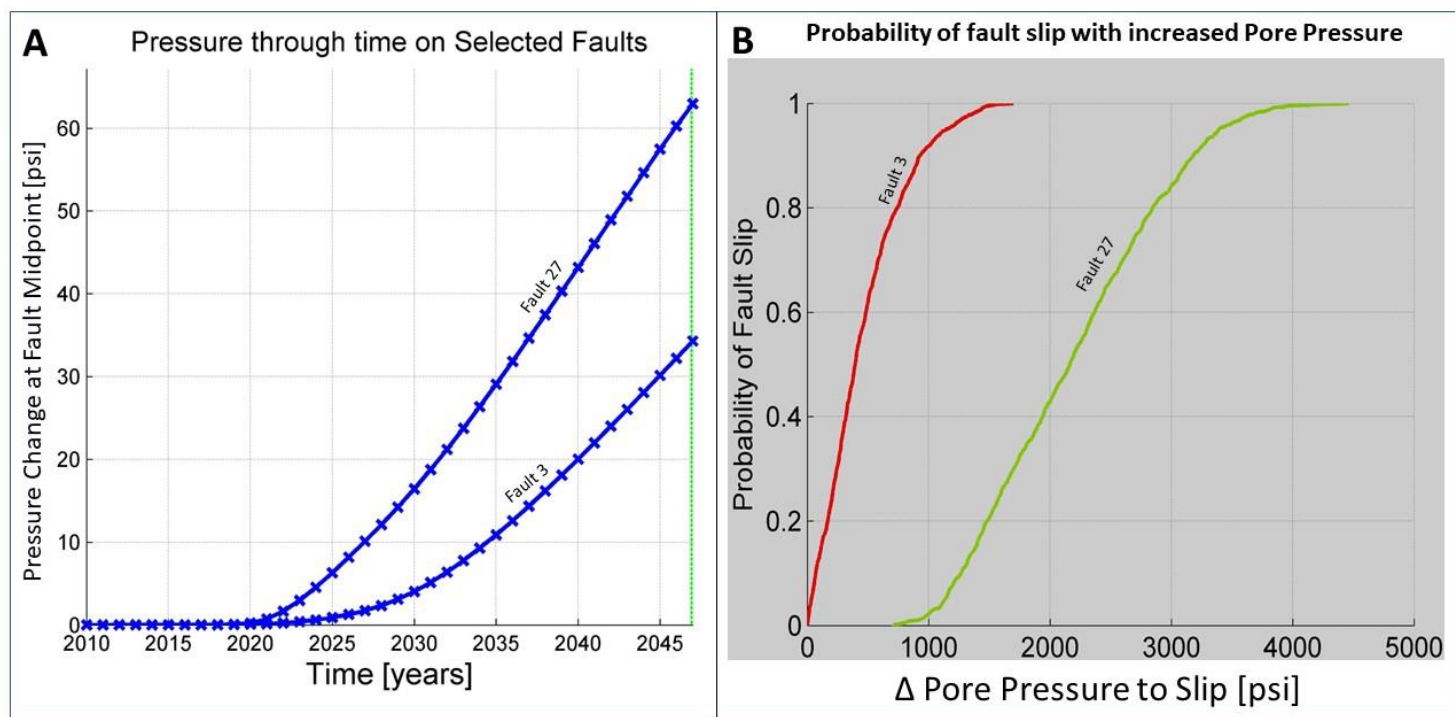


Figure 3. A) Plot showing the modeled change of pore pressure on nearby faults through time as a response to the proposed SWD well. B) Plot showing the required pore pressure increase needed to produce specific probabilities of fault slip on nearby faults.

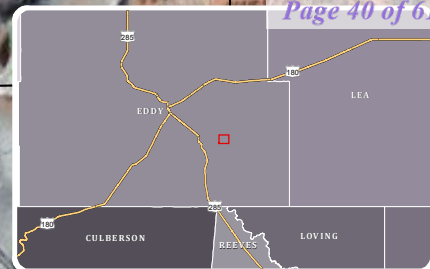
References Cited

- Comer, J. B., 1991, Stratigraphic Analysis of the Upper Devonian Woodford Formation, Permian Basin, West Texas and Southeastern New Mexico: The University of Texas at Austin, Bureau of Economic Geology, Report of Investigations No. 201, 63 p.
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- Walsh, F. R., and Zoback, M. D., (2016) Probabilistic assessment of potential fault slip related to injection induced earthquakes: Application to north central Oklahoma, USA, Geology, Data Repository item 2016334, doi:10.1130/G38285.1
- Walsh, F. R., Zoback, M. D., Pais, D., Weingarten, M., and Tyrrell, T. (2017) FSP 1.0: A Program for Probabilistic Estimation of Fault Slip Potential Resulting From Fluid Injection, User Guide from the Stanford Center for Induced and Triggered Seismicity, available at SCITS.Stanford.edu/software
- Zoback, M. L., and M. D. Zoback, 1980, State of stress in the conterminous United States: Journal of Geophysical Research, 85, no. B11, 6113–6156, <https://doi.org/10.1029/JB085iB11p06113>.

Attachment 6

WATER WELL MAP










SECTION 28, TOWNSHIP 23 SOUTH, RANGE 29 EAST, EDDY COUNTY, NEW MEXICO



1:18,000

0 1,000 2,000 3,000 Feet

Legend

-  Proposed SWD
-  1 Mile Buffer
- NMOSE Points of Diversion**
-  Active
-  Pending
-  Changed Location of Well
-  Inactive
-  Capped
-  Plugged
-  Unknown

Mugatu 28 Fed SWD #1

OPERATOR:
SOLARIS WATER MIDSTREAM, LLC.



Project Managed By:
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Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



Water Well Sampling Table							
Water Well ID	OSE Status	Owner	Available Contact Information	Use	Latitude	Longitude	Notes
C 02613	Pending	United Salt Corporation	P.O. Box Ss Carlsbad, NM 88221	Exploration	32.291406	-103.999516	Exploration well, not suitable for sampling
C 02721	Pending	John Woznicwicz	P.O. Box 71 Carlsbad, NM 88220	Monitoring	32.288667	-103.991985	Monitoring well, not suitable for sampling
C 03057 EXPLORE	Pending	United Salt Corporation	P.O. Box SS Carlsbad, NM 88221	Exploration	32.29507	-103.995207	Exploration well, not suitable for sampling
C 01627	Plugged	Exxon Corporation	P.O. Box 1600 Midland, TX 7970	Prospecting	32.271286	-103.984384	Prospecting well, not suitable for sampling
C 02707	Active	Imc Kalium	P.O. Box 71 Carlsbad, NM	Unknown	32.279495	-103.985503	*A field visit conducted on July 10, 2024 and no evidence of an active water well was identified in the area.
C 03377 POD1	Pending	B F & G Farms	P.O. Box 1275 Loving, NM	Livestock watering	32.277124	-104.006118	*A field visit conducted on July 10, 2024 and no evidence of an active water well was identified in the area.
* Documentation of the field visit (notes and photographs) and lack of evidence of active water wells are available upon request. Note: No active, fresh water wells were identified within 1-mile of the proposed SWD; therefore, no water well samples were collected.							



New Mexico Office of the State Engineer

Water Right Summary

WR File Number: C 02613 Subbasin: CUB Cross Reference: -
 Primary Purpose: EXP EXPLORATION **C-02613**
 Primary Status: PMT PERMIT
 Total Acres: Subfile: - Header: -
 Total Diversion: 0 Cause/Case: -
 Owner: UNITED SALT CORPORATION
 Contact: E.J. (DANIEL) DANIEL

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
156760	EXPL	1998-11-03	PMT	APR	C 02613	T	0	0	

Current Points of Diversion

POD Number	Well Tag	Source	Q (NAD83 UTM in meters)				X	Y	Other Location Desc	
			64Q16Q4Sec	Tws	Rng					
C 02613			4	4	2	20	23S	29E	594203	3573176*

An () after northing value indicates 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.

7/24/24 7:54 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer

Water Right Summary

WR File Number: C 02721 Subbasin: CUB Cross Reference: -
 Primary Purpose: MON MONITORING WELL **C-02721**
 Primary Status: PMT PERMIT
 Total Acres: Subfile: - Header: -
 Total Diversion: 0 Cause/Case: -
 Owner: JOHN WOZNICWICZ

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
186619	EXPL	2000-07-25	PMT	APR	C 02721	T	0	0	

Current Points of Diversion

POD Number	Well Tag	Source	Q (NAD83 UTM in meters)				X	Y	Other Location Desc
			64Q16Q4Sec	Tws	Rng				
C 02721			2	3	21	23S	29E	594915	3572879*

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

Source

Acres	Diversion	CU	Use	Priority	Source Description
0	0		MON		GW

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

7/24/24 7:59 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer

Water Right Summary

WR File Number: C 03057 Subbasin: CUB Cross Reference: -
 Primary Purpose: EXP EXPLORATION **C-03057-Explore**
 Primary Status: PMT PERMIT
 Total Acres: Subfile: - Header: -
 Total Diversion: 0 Cause/Case: -
 Owner: UNITED SALT CORPORATION
 Contact: E.J. (DAN) DANIEL

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
299552	EXPL	2004-03-23	PMT	APR	C 3057 EXPLORE	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q	64Q16Q4Sec	Tws	Rng	X	Y	Other Location Desc
C 03057 EXPLORE			4	1	1	21	23S	29E	594605 3573586*

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

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7/24/24 8:12 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer

Water Right Summary


[get image list](#)

WR File Number: C 01627 Subbasin: C Cross Reference: -
 Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE
 Primary Status: PMT PERMIT **C-01627**
 Total Acres: Subfile: - Header: -
 Total Diversion: 0 Cause/Case: -
 Owner: EXXON CORPORATION
 Contact: MELBA KNIPLING, PRORATION SPEC

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
get images	463737	72121	1975-10-29	EXP	EXP	C 01627	T		3

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q	64Q16Q4Sec	Tws	Rng	X	Y	Other Location Desc
C 01627			1	4	4	28	23S	29E	595649 3570959* 6 MI E. LOVING NM

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

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7/24/24 8:13 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer

Water Right Summary


[get image list](#)

WR File Number: C 02707

Subbasin: C

Cross Reference: -

Primary Purpose:

C-02707

Primary Status: PMT PERMIT

Total Acres:

Subfile: -

Header: -

Total Diversion: 0

Cause/Case: -

Owner: IMC KALIUM

Contact: SCOTT VAIL

Documents on File

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			1	2					
get images	466312	72121	2000-05-15	PMT	LOG	C 02707	T		3

Current Points of Diversion

POD Number	Well Tag	Source	Q				X	Y	Other Location Desc
			64	Q16	Q4	Sec			
C 02707		Shallow	2	28	23S	29E	595535	3571868*	

An () after northing value indicates 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.

7/24/24 8:20 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer

Water Right Summary


[get image list](#)

WR File Number: C 03377

Subbasin: C

Cross Reference: -

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

C-03377 POD1

Primary Status: PMT PERMIT

Total Acres:

Subfile: -

Header: -

Total Diversion: 3

Cause/Case: -

Owner: B F & G FARMS

Contact: JIM GIBSON

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
get images	469618	72121	2008-04-16	PMT	APR	C 03377	T		3

Current Points of Diversion

POD Number	Well Tag	Source	Q				X	Y	Other Location Desc
			64	Q16	Q4	Sec			
C 03377 POD1			3	3	2	29	23S	29E	593596 3571587

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.

7/24/24 8:21 AM

WATER RIGHT SUMMARY



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 02721		CUB	ED		NE	SW	21	23S	29E	594915.0	3572879.0 *		0	150		
C 02613		CUB	ED	SE	SE	NE	20	23S	29E	594203.0	3573176.0 *		771	400		
C 03057 EXPLORE		CUB	ED	SE	NW	NW	21	23S	29E	594605.0	3573586.0 *		771	150		
C 02720		CUB	ED		NE	NW	21	23S	29E	594911.0	3573690.0 *		811	150		
C 02707		C	ED			NE	28	23S	29E	595535.0	3571868.0 *		1185	40	18	22
C 02716		CUB	ED	SE	SE	SE	16	23S	29E	595818.0	3574002.0 *		1441	400		
C 01217 S		CUB	ED	SE	NW	SE	16	23S	29E	595413.0	3574403.0 *		1603	350		
C 02808		CUB	ED		NE	SW	16	23S	29E	594909.0	3574501.0 *		1622	100		
C 02809		CUB	ED		NE	SW	16	23S	29E	594909.0	3574501.0 *		1622	100		
C 02797		CUB	ED		NE	SW	22	23S	29E	596540.0	3572895.0 *		1625	200		
C 02717		CUB	ED	SE	NE	SE	16	23S	29E	595817.0	3574407.0 *		1774	400		
C 02608		CUB	ED	SW	NW	SE	17	23S	29E	593598.0	3574387.0 *		2002	400		
C 02715		CUB	ED	SE	NW	SW	15	23S	29E	596221.0	3574411.0 *		2013	400		
C 01627		C	ED	NW	SE	SE	28	23S	29E	595649.0	3570959.0 *		2055	170		
C 02718		CUB	ED	SE	SE	NE	16	23S	29E	595816.0	3574812.0 *		2132	400		
C 03058 EXPLORE		CUB	ED	SE	NW	NW	16	23S	29E	594605.0	3575206.0 *		2347	150		
C 02705		C	ED			NE	17	23S	29E	593902.0	3575093.0 *		2434	68	28	40
C 03059 EXPLORE		CUB	ED	SE	NW	SW	17	23S	29E	592993.0	3574378.0 *		2437		65	
C 03587 POD1		CUB	ED	NW	SE	SW	29	23S	29E	593337.5	3570754.8		2645	99	44	55
C 03587 POD2		CUB	ED	NW	NE	SE	19	23S	29E	592213.0	3572706.1		2707	77	16	61
C 02706		C	ED			SE	18	23S	29E	592302.0	3574291.0 *		2970	17	10	7
C 02182		C	ED			SE	30	23S	29E	592328.0	3571048.0 *		3169	75	30	45
C 02794		CUB	ED		SE	SW	10	23S	29E	596518.0	3575731.0 *		3271	100		
C 02795		CUB	ED		SE	SW	10	23S	29E	596518.0	3575731.0 *		3271	200		
C 04326 POD14		CUB	ED	SE	NE	SW	23	23S	29E	598190.6	3572765.6		3277	58	54	4
C 04326 POD16		CUB	ED	NE	SE	SW	23	23S	29E	598209.2	3572664.1		3301	64	54	10
























(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 02704		C	ED			NW	19	23S	29E	591531.0	3573493.0	* 	3439	174		
C 04490 POD1		CUB	ED	NW	SE	SE	24	23S	28E	590876.3	3572492.9		4057	37	25	12
C 02806		CUB	ED		NW	NW	09	23S	29E	594473.0	3576927.0	* 	4072	100		
C 02807		CUB	ED		NW	NW	09	23S	29E	594473.0	3576927.0	* 	4072	100		
C 00571		CUB	ED	NW	SW	SW	30	23S	29E	591241.0	3570957.0	* 	4146	90	38	52
C 00571 CLW241602	O	CUB	ED	SW	SW	SW	30	23S	29E	591241.0	3570757.0	* 	4242	89	38	51
C 02804		CUB	ED		NE	NW	08	23S	29E	593262.0	3576905.0	* 	4352	100		
C 02805		CUB	ED		NE	NW	08	23S	29E	593262.0	3576905.0	* 	4352	100		
C 04490 POD3		CUB	ED	SE	NW	NE	24	23S	28E	590596.5	3573502.0		4363	37	33	4
C 04556 POD3		CUB	ED	SE	SW	NW	24	23S	28E	590567.2	3573265.3		4364	40	36	4
C 00136 A		CUB	ED	SE	SE	SE	25	23S	28E	591037.0	3570753.0	* 	4422	100	60	40
C 02792		CUB	ED		SE	SW	04	23S	29E	594868.0	3577336.0	* 	4457	200		
C 02793		CUB	ED		SE	SW	04	23S	29E	594868.0	3577336.0	* 	4457	100		
C 00136 S		CUB	ED	NW	NW	NE	25	23S	28E	590426.0	3572167.0	* 	4545	122	45	77
C 00136		CUB	ED	SW	NW	NE	25	23S	28E	590426.0	3571967.0	* 	4580	200	42	158
C 00136 CLW194026	O	CUB	ED	SW	NW	NE	25	23S	28E	590426.0	3571967.0	* 	4580	200	52	148
C 00136 CLW235233	O	CUB	ED	SW	NW	NE	25	23S	28E	590426.0	3571967.0	* 	4580	200	42	158
C 04584 POD3		CUB	ED	SW	NE	NE	13	23S	28E	590887.1	3575129.4		4613	31		
C 03001 EXPLORE		CUB	ED	NW	NW	SE	25	23S	28E	590430.0	3571355.0	* 	4736	140		
C 02702		C	ED			NE	13	23S	28E	590715.0	3575108.0	* 	4754	38	20	18
C 04470 POD1		CUB	ED	SW	NW	SW	07	23S	29E	591280.2	3576086.4		4847			
C 01443		C	ED		NE	NW	25	23S	28E	590123.0	3572064.0	* 	4860	50	27	23
C 01215		CUB	ED	SE	NE	SW	13	23S	28E	590210.0	3574397.0	* 	4943	104	15	89

Average Depth to Water: 36 feet

Minimum Depth: 10 feet

Maximum Depth: 65 feet

Record Count: 49

County: ED

UTM Filters (in meters):

Easting: 594915

Northing: 3572879

Radius: 5000

* 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.

Attachment 7



NM Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Re: Geology Statement
Solaris Water Midstream, LLC
Mugatu 28 Fed SWD #1
Section 28, T. 23S, R. 29E
Eddy County, New Mexico

To whom it may concern:

Publicly available geologic and engineering data related to the proposed well have been thoroughly reviewed, and no evidence for open faults or any other hydrologic connection between the proposed Silurian/Devonian injection zone and any underground sources of drinking water has been found. Please see the attached seismic risk assessment for additional information.

Sincerely,

A handwritten signature in black ink that reads "Cory Walk". The signature is written in a cursive, flowing style.

Cory Walk
Geologist

Attachment 8

AFFIDAVIT OF PUBLICATION

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

PUBLIC NOTICE

Solaris Water Midstream, LLC, 9651 Katy Freeway, Suite 400, Houston, Texas 77024, (OGRID # 371643), is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for commercial saltwater injection into its Mugatu 28 Fed SWD #1. This will be a new well located 944' FNL & 563' FWL in Section 28 Township 23S Range 29E in Eddy County, NM, which is approximately 5.5 miles east of Loving, NM. The purpose of the well is to inject produced water from permitted oil and gas wells in the area for commercial disposal into the Devonian-Silurian formations at depths of 11,492' 15,800' at a maximum surface injection pressure of 2,298 psi and a maximum injection rate of 45,000 barrels of water per day.

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr. Additional information may be obtained by contacting the operator contact, Nate Alleman, at (918) 237-0559 or info@aceadvisors.com.

6580-Published in the Carlsbad Current on July 25, 2024.

STATE OF NEW MEXICO } SS
COUNTY OF EDDY }

Account Number: 226
Ad Number: 6580
Description: Ace Energy Notice
Ad Cost: \$78.83

Nicole Bitton, 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 25, 2024

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

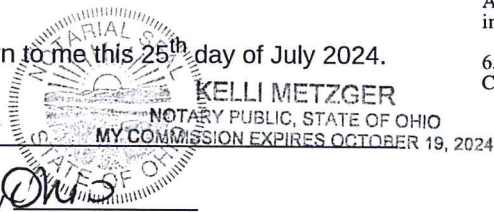
SIGNED:

N Bitton

Agent

Subscribed to and sworn to me this 25th day of July 2024.

Kelli Metzger



Notary Public

Van Wert

County

ID#:

My commission expires:

Oct. 19, 2024

NATHAN ALLEMAN
ACE ENERGY ADVISORS
100 ESSEX LANE
BARTLESVILLE, OK 74006

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Clinical Dietitian Specialist, Compass Group USA, Inc., Roswell, NM. At clt site, assess neonates/infants, ped, adolscnt, adlt & / geriatric patients' nutritnl status. 40 hrs/wk, M-F 8a-4:30p. Reqs @ 1st Bach in Nutritn & Dietets, Food & Nutritn / rel / equiv. Reqs Active RDN cert upon hire, & Actv LD in NM / elig for lic. Hires sbmt to drg scrn & bg chck. Apply: res to: shared.talentacquisitionoperations@compass-usa.com & ref #114392.

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General Notice
City of Jal is requesting Bids for the construction of the following Project:

**City of Jal
Transmission Line, Phase 2
Water Trust Board
Project WPF-5964
Stantec Project #181301526**

Bids for the construction of the Project will be received by Molly Sanchez, City Clerk, City of Jal, City Hall, 710 W. Wyoming, Jal, New Mexico 88252 until August 21, at 11:00 a.m. local time. Dial-In # (Toll Free) (833) 436-6264; Conference ID: 626 158 182#. At that time the Bids received will be “publicly” opened and read.

The Project includes, but is not limited to, the following Work:

Construct approximately 3.2 miles of 16” PVC internally restrained pipe with valved connections to the existing water transmission line, air relief/vacuum valves, blow-off assemblies, and other miscellaneous improvements.

The Project has an expected duration of 180 calendar days to substantial completion.

Obtaining the Bidding Documents
The bidding documents are available at www.QuestCDN.com. Reference Quest Number **9141410** and located at <https://qcpi.questcdn.com/cdn/posting/?group=2832&provider=8016331&projType=all>

Interested parties may view the bidding documents at no cost prior to deciding to become a plan holder. To be considered a plan holder, register with QuestCDN.com and download the bidding documents for \$22.00. Downloading the documents and becoming a plan holder is recommended as plan holders receive automatic notice of addenda and bid updates. Contact QuestCDN Client Success at 952-233-1632 or Success@QuestCDN.com for assistance in membership registration and downloading digital bidding documents.

Further details regarding this bid may be obtained by contacting Stephenie Wilson, (575) 587-5481, e-mail stephenie.wilson@stantec.com

Mandatory Pre-bid Conference
A mandatory pre-bid conference for the Project will be held on August 7, 2024, 11:00 a.m. at the City of Jal, 710 W. Wyoming, Jal, New Mexico 88252, Dial-in # (Toll Free) (833-436-6264); Conference ID: 282 659 016#. Attendance at the pre-bid conference is mandatory.

Instructions to Bidders
For all further requirements regarding bid submittal, qualifications, procedures, and contract award, refer to the Instructions to Bidders that are included in the Bidding Documents.

6660-Published in the Carlsbad Current-Argus on July 25, 2024.

NOTICE

Devon Energy Production Company, L.P. announces its intent to apply to the New Mexico Environment Department for air quality General Construction Permit, GCP-Oil and Gas. The name of the facility is Mule 11 CTB 2. The expected date of the submittal of our Registration form to the Air Quality Bureau is July 29, 2024. This notice is a requirement according to New Mexico air quality regulations.

The exact location of the facility is/will be: 32.148789/-103.750705. The approximate location of this site is 19.1 miles east-southeast of Malaga in Eddy county.

The standard operating schedule of each facility will be continuous.

Air emissions of any regulated air contaminant will be less than or equal to:

	Tons per year(TPY)
1. Nitrogen Oxides (NOx)	95
2. Carbon Monoxide (CO)	95
3. Volatile Organic Compounds (VOC) (stack)	95
4. Particulate Matter (PM10)	25
5. Particulate Matter (PM2.5)	25
6. Sulfur Dioxide (SO2)	95
7. Hydrogen Sulfide (H2S)	25
8. Any one (1) Hazardous Air Pollutant (HAP)	< 10
9. Sum of all Hazardous Air Pollutants (HAPs)	< 25

The owner and/or operator of the Plant is:
Devon Energy Production Company, L.P., 333 West Sheridan Ave., Oklahoma City, Oklahoma 73102

If you have any questions or comments about construction or operation of above facility, and want your comments to be made as a part of the permit review process, you must submit your comments in writing to the address below:

New Mexico Environment Department
Air Quality Bureau Permit Section
525 Camino de los Marquez, Suite 1, Santa Fe, New Mexico, 87505
Phone (505) 476-4300

Other comments and questions may be submitted verbally.

Please refer to the company name and site name in this notice or send a copy of this notice with your comments, since the Department may not have received the permit Registration at the time of this notice.

Atención

Este es un aviso de la oficina de Calidad del Aire del Departamento del Medio mbiente de Nuevo México, acerca de las emisiones producidas por un establecimiento en esta área. Si usted desea información en español, por favor comuníquese con esa oficina al teléfono 505-629-3395.

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6470-Published in the Carlsbad Current-Argus on July 25, 2024.

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LEGAL NOTICE

This is to notify all interested parties, including Ard Oil, Ltd; Davoil, Inc.; Frost Bank Trustee of the Josephine T. Hudson Testamentary Trust f/b/o J. Terrell Ard; Great Western Drilling Ltd.; Javelina Partners; LLJ Ventures, LLC; Sabinal Energy Operating, LLC; Trustees of the Delmar Hudson Lewis Living Trust created by Trust Agreement dated September 9, 2002; Trustees of Lindy's Living Trust created by Trust Agreement dated July 8, 1994; Union Oil Company of California; Zorro Partners, Ltd; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Permian Resources Operating, LLC (Case No. 24726). The hearing will be conducted on August 8, 2024, in a hybrid fashion, both virtually and in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505. To participate virtually, see the instructions posted on the OCD Hearings website: <https://www.emnrd.nm.gov/ocd/hearing-info/>. Permian Resources Operating, LLC (“Applicant”) (OGRID No. 372165) applies for an order pooling all uncommitted interests in the Third Bone Spring interval of the Bone Spring formation underlying a 320-acre, more or less, standard horizontal spacing unit comprised of the S/2 S/2 of Sections 13 and 14, Township 20 South, Range 28 East, Eddy County, New Mexico (“Unit”). The Unit will be dedicated to the **Outback 13-14 Fed Com 134H** well (“Well”), which will be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 13 to a bottom hole

NOTICE

This is to notify all interested parties, including: Murchison Oil and Gas, LLC; Pintail Production Company, Inc.; Marathon Oil Permian, LLC; Magnum Hunter Production Inc.; Commerce Energy Partnership 1975-A; Tritex Production Company; M T Charlton; Roseweb Partners LP; Alvand Resources LLC; Commerce Energy of Nebraska Inc; Richard Moody; ELSR Limited Partnership, BengalJones Group LLC as its General Partner; Andrew Moody; Stroube Energy Corporation; Purnell Morrow Company; Estate of Robert E Jacobs; IBEX Resources Company LLC; Michael P Massad Sr; Eagle Oil & Gas Co.; Charles Waterbury; R Kevin Spencer; Amy Brent; Jamie Brent; Karen Brent; Monica Brent; Spencer M Brent; Amos Roberts; Elaine Heinz; James Allen Heinz; John Joseph Heinz; Mortlett Ponder; Theresa M Heinz Bruns; and their respective successors and assigns, that Civitas Permian Operating, LLC (“Civitas”) filed applications in **Case Nos. 24712, 24713 and 24714** with the New Mexico Oil Conservation Division (“Division”). A hearing has been requested before a Division Examiner on **August 8, 2024**. It is anticipated that hearings will be held in a hybrid format with both in-person and virtual participation options. The meeting will be held in the Pecos Hall Hearing Room at the Wendall Chino Building, 1st Floor, 1220 South St. Francis Dr., Santa Fe, New Mexico. To participate virtually in the hearing, see the instructions posted on the OCD Hearings website: <https://www.emnrd.nm.gov/ocd/hearing-info/>.

In **Case No. 24712**, Civitas seeks an order from the Division pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal spacing unit comprised of the N/2S/2 of Sections 22 and 23, Township 24 South, Range 26 East, Eddy County, New Mexico. The proposed horizontal spacing unit will be dedicated to the Modelo 22-23 Fed Com 211H to be horizontally drilled with first take point in the NW/4SW/4 (Unit L) of Section 22 and last take point in the NE/4SE/4 (Unit I) of Section 23. The producing area for the well is expected to be orthodox. The well will be located within the Purple Sage Wolfcamp Gas Pool (Code 98220), which is subject to special pool rules that establish 330-foot setback requirements. The well will comply with the Division's setback requirements for this pool. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs and the actual operating costs and charges for supervision, designation of Civitas as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 14 miles south of Carlsbad, New Mexico.

In **Case No. 24713**, Civitas seeks an order from the Division pooling all uncommitted interests in the Bone Spring formation underlying a standard 640-acre, more or less, horizontal spacing unit comprised of the S/2 of Sections 22 and 23, Township 24 South, Range 26 East, Eddy County, New Mexico. The proposed horizontal spacing unit will be dedicated to the Modelo 22-23 Fed Com 131H to be horizontally drilled with first take point in the NW/4SW/4 (Unit L) of Section 22 and last take point in the NE/4SE/4 (Unit I) of Section 23. The producing area for the well is expected to be orthodox. The completed interval for the Modelo 22-23 Fed Com 131H is expected to be less than 330 feet from the adjoining tracts thereby allowing for the inclusion of the proximity tracts within the Unit. A depth severance exists in the subject formation within the proposed Unit. Accordingly, Civitas seeks to pool all uncommitted interests in the Bone Spring formation at a stratigraphic equivalent of 8,062 feet, as defined on the Baker Hughes Gamma Ray Log of the Ringer Federal Com 4 well (API No. 30-015-32343), to the base of the Bone Spring formation. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs and the actual operating costs and charges for supervision, designation of Civitas as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 14 miles south of Carlsbad, New Mexico.

In **Case No. 24714**, Civitas seeks an order from the Division pooling all uncommitted interests in the Wolfcamp formation underlying a standard 320-acre, more or less, horizontal spacing unit comprised of the S/2S/2 of Sections 22 and 23, Township 24 South, Range 26 East, Eddy County, New Mexico. The proposed horizontal spacing unit will be dedicated to the Modelo 22-23 Fed Com 212H to be horizontally drilled with first take point in the SW/4SW/4 (Unit M) of Section 22 and last take point in the SE/4SE/4 (Unit P) of Section 23. The producing area for the well is expected to be orthodox. The well will be located within the Purple Sage Wolfcamp Gas Pool (Code 98220), which is subject to special pool rules that establish 330-foot setback requirements. The well will comply with the Division's setback requirements for this pool. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs and the actual operating costs and charges for supervision, designation of Civitas as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 14 miles south of Carlsbad, New Mexico.

6490-Published in the Carlsbad Current-Argus on July 25, 2024.

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location in the SW/4 SW/4 (Unit M) of Section 14. The completed interval of the Well will be orthodox. Due to a depth severance within the Unit, Applicant seeks to pool uncommitted interests from the top of the Third Bone Spring interval at a stratigraphic equivalent of approximately 7,988’ MD to the base of the Third Bone Spring interval at a stratigraphic equivalent of approximately 9,150’ MD as shown on the Yates-Federal #2 (API # 30-015-20970) well log. Also to be considered will be the cost of drilling and completing the Well and the allocation of the costs, the designation of Applicant as operator of the Well, and a 200% charge for the risk involved in drilling and completing the Well. The Well is located approximately 15 miles northeast of Carlsbad, New Mexico.

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LEGAL NOTICE

This is to notify all interested parties, including Ard Oil, Ltd; Davoil, Inc.; Frost Bank Trustee of the Josephine T. Hudson Testamentary Trust f/b/o J. Terrell Ard; Great Western Drilling Ltd.; Javelina Partners; LLJ Ventures, LLC; Sabinal Energy Operating, LLC; Trustees of the Delmar Hudson Lewis Living Trust created by Trust Agreement dated September 9, 2002; Trustees of Lindy's Living Trust created by Trust Agreement dated July 8, 1994; Union Oil Company of California; Zorro Partners, Ltd; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Permian Resources Operating, LLC (Case No. 24725). The

Public Notices

hearing will be conducted on August 8, 2024, in a hybrid fashion, both virtually and in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505. To participate virtually, see the instructions posted on the OCD Hearings website: <https://www.emnrd.nm.gov/ocd/hearing-info/>. Permian Resources Operating, LLC (“Applicant”) (OGRID No. 372165) applies for an order pooling all uncommitted interests in the Third Bone Spring interval of the Bone Spring formation underlying a 320-acre, more or less, standard horizontal spacing unit comprised of the N/2 S/2 of Sections 13 and 14, Township 20 South, Range 28 East, Eddy County, New Mexico (“Unit”). The Unit will be dedicated to the **Outback 13-14 Fed Com 133H** well (“Well”), which will be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 13 to a bottom hole location in the NW/4 SW/4 (Unit L) of Section 14. The completed interval of the Well will be orthodox. Due to a depth severance within the Unit, Applicant seeks to pool uncommitted interests from the top of the Third Bone Spring interval at a stratigraphic equivalent of approximately 7,988’ MD to the base of the Third Bone Spring interval at a stratigraphic equivalent of approximately 9,150’ MD as shown on the Yates-Federal #2 (API # 30-015-20970) well log. Also to be considered will be the cost of drilling and completing the Well and the allocation of the costs, the designation of Applicant as operator of the Well, and a 200% charge for the risk involved in drilling and completing the Well. The Well is located approximately 15 miles northeast of Carlsbad, New Mexico.

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NOTICE

To the following entities, individuals, their heirs, personal representatives, trustees, successors or assigns, and any other uncommitted mineral owners:

ABO&G Resources, LLC; Alvand Resources; Amos Roberts; Amu Kuhler Groff; Amy Brent; Andrew Moody; Arthur L. Owen, Trustee; BriLi, LLC, c/o Marc Lilley; Chad Barbe; Charles Waterbury; Chevron U.S.A., Inc.; Civitas Resources, Inc.; COG Operating LLC; Commerce Energy of Nebraska, Inc.; Commerce Energy Partnership, 1975-A; Concho Oil & Gas LLC; ConocoPhillips; David E. Kuhler; Elaine Heinz; ELSR, LP; Escondido Oil & Gas, LLC, c/o Tyler Nobles; HOSP Minerals, LLC; IBEX Resources Company, LLC; James Allen Heinz; Jamie Brent (Smith); Jeffry Lynn Whitehead; John Joseph Heinz; Judson Exploration, LP; Karen Brent c/o Amy Brent; Karen V. and William H. Martin Energy, Ltd.; Laura Lewis Livingston (Torreilla); Llano Natural Resources, LLC, c/o Vincent Gonzalez; M. T. Charlton; Magic Dog Oil & Gas, Ltd.; Magnum Hunter Production Company; Marathon Oil Permian, LLC; Margaret C. Lewis (Goddard), c/o Adrian Goddard; McElroy Minerals, LLC, c/o Catherine Darch; McMullen Minerals II, LLC; MEC Petroleum Corporation; Michael A. Kuhler; Michael P. Massad, Sr.; Michael T. O'Neill; Montego Capital Fund I, Ltd., c/o Rhett Gist; Montego Capital Fund 2, Ltd., c/o Rhett Gist; Montego Capital Fund 3, Ltd., c/o Rhett Gist; Mortlett Ponder; Murchison Oil & Gas, LLC; Oak Valley Mineral and Land, LP, c/o Brandon Black; Pamela Spear Randle; Pegasus Resources II, LLC; Pegasus Resources, LLC; Pintail Production Company; Platform Energy III, LLC, c/o Cameron Kulbeth; Post Oak Crown Minerals, LLC; Purnell Morrow Company; R. Kevin Spencer; Red Bird Ventures, Inc.; Richard E. Kuhler; Richard Moody; Robert E. Jacobs; Roberta E. LeMore; Roseweb Partners, LP; Shumana Exploration, LP; Simone Huys O'Neill, LLC; Sitio Permian, LLC, c/o Britton James; Sortida Resources, LLC, c/o Brandon Black; Stroube Energy Corporation; Taffrail Investments, LP; Texas Redhand, LLC; Theresa M. Heinz Bruns; Tim and Tashina Lilley; Traverse Exploration, Inc.; Tritex Production Company; TWR IV, LLC; Vanessa Minnard fka Vanessa Bremer; Wadi Petroleum, Inc.; Wallace H. Scott, III; Warwick-Ares, LLC; William Winfield Scott; WPX Energy Permian, LLC; Yates Petroleum Company; and the U.S. Bureau of Land Management.

Flat Creek Resources, LLC, has filed amended applications with the New Mexico Oil Conservation Division as follows:

Case No. 24732: Amended Application of Flat Creek Resources, LLC for Compulsory Pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order from the Division pooling all uncommitted mineral interests in the Bone Spring formation down to 8,062' (being 300' above the top of the Wolfcamp Formation, or 8,362') (WILLOW LAKE; BONE SPRING, WEST [96415]) in a standard 320-acre, more or less, horizontal spacing and proration unit ("HSU"), comprised of the N/2 N/2 of Sections 22 and 23 ("2-Mile HSU"), Township 24 South, Range 26 East, in Eddy County, New Mexico and, as an alternative, a standard 240-acre, more or less, HSU, comprised of the N/2 N/2 of Section 22, and the N/2 W/4 of Section 23 ("Alternative HSU"), Township 24 South, Range 26 East, in Eddy County, New Mexico, if timing issues arise with securing the Bureau of Land Management lease for the N/2 NE/4 of Section 23. Applicant proposes to drill the following 2-mile well in the HSU: **Jurnegan Fed Com BS2 #1H** well, to be horizontally drilled from a surface hole location approximately 965' FNL and 610' FWL of Section 22, T24S-R26E to a bottom hole location approximately 440' FNL and 100' FEL of Section 23, T24S-R26E. In the alternative, Flat Creek proposes to drill the **Jurnegan Fed Com BS2 #1H** well, from a surface hole location approximately 965' FNL and 610' FWL of Section 22, T24S-R26E to a bottom hole location approximately 440' FNL and 2540' FWL of Section 23, T24S-R26E as a 1.5-mile lateral in the Alternative HSU. The completed intervals and first and last take points in either HSU will meet statewide setback requirements for horizontal oil wells. Also to be considered will be the cost of drilling and completing the well and the allocation of the costs, the designation of Applicant as Operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well and land are approximately 4 miles North East of Whites City, New Mexico.

Case No. 24733: Amended Application of Flat Creek Resources, LLC for Compulsory pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order from the Division pooling all uncommitted mineral interests in the Bone Spring formation down to 8,062' (being 300' above the top of the Wolfcamp Formation, or 8,362') (WILLOW LAKE; BONE SPRING, WEST [96415]) in a standard 320-acre, more or less, horizontal spacing and proration unit ("HSU"), comprised of the S/2 N/2 of Sections 22 and 23, Township 24 South, Range 26 East, in Eddy County, New Mexico. Applicant proposes to drill the following 2-mile well in the HSU: **Jurnegan Fed Com BS2 #2H** well, to be horizontally drilled from a surface hole location approximately 995' FNL and 610' FWL of Section 22, T24S-R26E to a bottom hole location approximately 1,870' FNL and 100' FEL of Section 23, T24S-R26E. The completed intervals and first and last take points will meet statewide setback requirements for horizontal oil wells. Also to be considered will be the cost of drilling and completing the well and the allocation of the costs, the designation of Applicant as Operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well and land are approximately 4 miles North East of Whites City, New Mexico.

Case No. 24734: Amended Application of Flat Creek Resources, LLC for Compulsory Pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order from the Division pooling all uncommitted mineral interests in the Bone Spring formation down to 8,062' (being 300' above the top of the Wolfcamp Formation, or 8,362') (WILLOW LAKE; BONE SPRING, WEST [96415]) in a standard 320-acre, more or less, horizontal spacing and proration unit ("HSU"), comprised of the N/2 S/2 of Sections 22 and 23, Township 24 South, Range 26 East, in Eddy County, New Mexico. Applicant proposes to drill the following 2-mile well in the HSU: **Jurnegan Fed Com BS2 #3H** well, to be horizontally drilled from a surface hole location approximately 1,400' FSL and 725' FWL of Section 22, T24S-R26E to a bottom hole location approximately 1,900' FSL and 100' FEL of Section 23, T24S-R26E. The completed intervals and first and last take points will meet statewide setback requirements for horizontal oil wells. Also to be considered will be the cost of drilling and completing the well and the allocation of the costs, the designation of Applicant as Operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well and land are approximately 4 miles North East of Whites City, New Mexico.

Case No. 24735: Amended Application of Flat Creek Resources, LLC for Compulsory Pooling, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order from the Division pooling all uncommitted mineral interests in the Bone Spring formation down to 8,062' (being 300' above the top of the Wolfcamp Formation, or 8,362') (WILLOW LAKE; BONE SPRING, WEST [96415]) in a standard 320-acre, more or less, horizontal spacing and proration unit ("HSU"), comprised of the S/2 S/2 of Sections 22 and 23, Township 24 South, Range 26 East, in Eddy County, New Mexico. Applicant proposes to drill the following 2-mile well in the HSU: **Jurnegan Fed Com BS2 #4H** well, to be horizontally drilled from a surface hole location approximately 1,370' FSL and 725' FWL of Section 22, T24S-R26E to a bottom hole location approximately 440' FSL and 100' FEL of Section 23, T24S-R26E. The completed intervals and first and last take points will meet statewide setback requirements for horizontal oil wells. Also to be considered will be the cost of drilling and completing the well and the allocation of the costs, the designation of Applicant as Operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well and land are approximately 4 miles North East of Whites City, New Mexico.

These applications are set for hearing before a Division Examiner at the New Mexico Oil Conservation Division on **August 8, 2024**, beginning at 8:30 a.m. but will likely be continued to a contested hearing currently set for September 5, 2024. Hearings are currently conducted in a hybrid fashion, both in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the WebEx virtual meeting platform. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/>. You are not required to attend this hearing, but as an owner of an interest that may be affected, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging this application at a later time. If you intend to present testimony or evidence at the hearing, you must enter your appearance eight days before the hearing, and serve the Division, counsel for the Applicant, and other parties with a pre-hearing statement seven days before the hearing in accordance with Division Rule 19.15.4.13 NMAC. For further information, contact the applicant's attorney, Sharon T. Shaheen, Montgomey & Andrews, P.A., 325 Paseo de Peralta, Santa Fe, New Mexico 87501, (505) 986-2678.

6480-Published in the Carlsbad Current-Argus on July 25, 2024.

Public Notices

LEGAL NOTICE

This is to notify all interested parties, including Ard Oil, Ltd; Davoil, Inc.; Devon Energy Production Company; Frost Bank Trustee of the Josephine T. Hudson Testamentary Trust f/b/o J. Terrell Ard; GW Holdings Inc.; Great Western Drilling Ltd.; Javelina Partners; LLJ Ventures, LLC; Sabinal Energy Operating, LLC; Trustees of the Delmar Hudson Lewis Living Trust created by Trust Agreement dated September 9, 2002; Trustees of Lindy's Living Trust created by Trust Agreement dated July 8, 1994; Union Oil Company of California; Zorro Partners, Ltd; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Permian Resources Operating, LLC (Case No. 24723). The hearing will be conducted on August 8, 2024, in a hybrid fashion, both virtually and in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505. Permian Resources Operating, LLC ("Applicant") (OGRID No. 372165) applies for an order: (1) establishing a 320-acre, more or less, standard, overlapping horizontal spacing unit comprised of the S/2 N/2 of Sections 13 and 14, Township 20 South, Range 28 East, Eddy County, New Mexico ("Unit"); and (2) pooling all uncommitted interests in the Third Bone Spring interval of the Bone Spring formation underlying the Unit. The Unit will be dedicated to the **Outback 13-14 Fed Com 132H** well ("Well"), which will be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 13 to a bottom hole location in the SW/4 NW/4 (Unit E) of Section 14. The completed interval of the Well will be orthodox. Due to a depth severance within the Unit, Applicant seeks to pool uncommitted interests from the top of the Third Bone Spring interval at a stratigraphic equivalent of approximately 7,988' MD to the base of the Third Bone Spring interval at a stratigraphic equivalent of approximately 9,150' MD as shown on the Yates-Federal #2 (API # 30-015-20970) well log. The Unit will partially overlap with the spacing unit for the Government AC 13 Federal # 0 0 5 H (A P I N o . 30-015-40880), which is located in the S/2 N/2 of Section 13, Township 20 South, Range 28 East, and produces from the Russell; Bone Spring Pool (Code 52805). Also to be considered will be the cost of drilling and completing the Well and the allocation of the costs, the designation of Applicant as operator of the Well, and a 200% charge for the risk involved in drilling and completing the Well. The Well is located approximately 15 miles northeast of Carlsbad, New Mexico.

6620-Published in the Carlsbad Current-Argus on July 25, 2024.

LEGAL NOTICE

This is to notify all interested parties, including Ard Oil, Ltd; Davoil, Inc.; Frost Bank Trustee of the Josephine T. Hudson Testamentary Trust f/b/o J. Terrell Ard; Great Western Drilling Ltd.; Javelina Partners; LLJ Ventures, LLC; Sabinal Energy Operating, LLC; Trustees of the Delmar Hudson Lewis Living Trust created by Trust Agreement dated September 9, 2002; Trustees of Lindy's Living Trust created by Trust Agreement dated July 8, 1994; Union Oil Company of California; Zorro Partners, Ltd; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Permian Resources Operating, LLC (Case No. 24723). The hearing will be conducted on August 8, 2024, in a hybrid fashion, both virtually and in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505. To participate virtually, see the instructions posted on the OCD Hearings website: <https://www.emnrd.nm.gov/ocd/hearing-info/>. Permian Resources Operating, LLC ("Applicant") (OGRID No. 372165) applies for an order pooling all uncommitted interests in the Third Bone Spring interval of the Bone Spring formation underlying a 160-acre, more or less, standard horizontal spacing unit comprised of the N/2 N/2 of Section 13, Township 20 South, Range 28 East, Eddy County, New Mexico ("Unit"). The Unit will be dedicated to the **Outback 13-14 Fed Com 131H** well ("Well"), which will be drilled from a surface hole location in the NE/4 NE/4 (Unit A) of Section 13 to a bottom hole location in the NW/4 NW/4 (Unit D) of Section 13. The completed interval of the Well will be orthodox. Due to a depth severance within the Unit, Applicant seeks to pool uncommitted interests from the top of the Third Bone Spring interval at a stratigraphic equivalent of approximately 7,988' MD to the base of the Third Bone Spring interval at a

Public Notices

stratigraphic equivalent of approximately 9,150' MD as shown on the Yates-Federal #2 (API # 30-015-20970) well log. Also to be considered will be the cost of drilling and completing the Well and the allocation of the costs, the designation of Applicant as operator of the Well, and a 200% charge for the risk involved in drilling and completing the Well. The Well is located approximately 15 miles northeast of Carlsbad, New Mexico.

6640-Published in the Carlsbad Current-Argus on July 25, 2024.

LEGAL NOTICE

To: All affected parties, including all heirs, devisees and successors of: The Petroleum Synergy Group; MEC Petroleum Corporation; Millis Jeffrey Oakes; Stephen William Oakes; Benjamin Jacom Oakes; Elizabeth Ann Cline; MW Oil Investment Company Inc.; Alan R Hannifin; Elizabeth T Oberly; Milton R Fry; MAP98B Net; David Trent Dalton; Olin Brent Dalton; FFF Inc.; Map 98A OK; Mark B Murphy Irrevocable Trust; Susan S Murphy Marital Trust; Hutchings Oil Co.; Innovations Inc.; Permian Basin Investment Corp.; Mitchell Exploration Inc; Christian Relief Services; S and E Royalty LLC; Robin L Morgan; Barbara Shelby Baetz; Clary Newton Auler; Margaret Shelby Newton; Bertrand O Baetz, III; Annamarie Falco; Motowi LLC; Franklin Mountain Royalty; Prevail Energy LLC; Monticello Minerals LLC; Thomas J Depke; BPL Fish Pond LLC; Wambaugh Exploration LLC; Michelle R Sandoval; Cayuga Royalties LLC; J D Murchison Interests, Inc.; BR2 Holdings LLC; Rutter & Wilbanks; Concho Resources Inc.; Southwest Royalties Inc.; BEXP II Alpha LLC; BEXP II Parallel LP; Newkumet Investments LLC; Kaiser Francis Oil Company; XTO Holdings LLC-RU5737; New Mexico State Land Office; Bureau of Land Management.

Application of XTO Energy, Inc. for administrative approval to amend NMOCED Order PLC-629-A and for administrative approval to surface commingle (pool and lease) oil and gas production from Participating Areas ("PA") covering Lots 1-7, SE/4 NW/4, S/2 NE/4, E/2 SW/4 and the SE/4 (equivalent of all Section 6) of irregular Section 6, Lots 1-4, E/2 W/2, and the E/2 (equivalent of all Section 7) of irregular Section 7, and Lots 1-4, E/2 W/2, and the E/2 (equivalent of all Section 18) of irregular Section 18, Township 23 South, Range 30 East, NMPM, Eddy County, New Mexico (the "Lands"). XTO Energy, Inc. (OGRID No. 5380) ("XTO Energy") seeks to amend Administrative Order PLC-629-A ("Order PLC-629-A"). Order PLC-629-A authorizes pool and lease commingling, off-lease storage, off-lease measurement, and off-lease marketing at the Nash Deep East Central Tank Battery of production from all existing and future wells drilled in the following spacing units:

(a) The 1,884.08-acre, more or less, Nash Bone Spring PA (NMNM 105723819) (Forty Niner Ridge Bone Spring, West [96526]) comprised of Lots 1-7, SE/4 NW/4, S/2 NE/4, E/2 SW/4 and the SE/4 (equivalent of all Section 6) of irregular Section 6, Lots 1-4, E/2 W/2, and the E/2 (equivalent of all Section 7) of irregular Section 7, and Lots 1-4, E/2 W/2, and the E/2 (equivalent of all Section 18) of irregular Section 18, which includes production from the: Nash Unit #201H (API. No. 30-015-45494), Nash Unit #202H (API. No. 30-015-45495), Nash Unit # 2 0 3 H (A P I N o . 30-015-45496), Nash Unit # 2 0 4 H (A P I N o . 30-015-45497) Nash Unit # 2 0 5 H (A P I N o . 30-015-46584), Nash Unit # 2 0 6 H (A P I N o . 30-015-45498), Nash Unit # 2 0 7 H (A P I N o . 30-015-45499) (canceled) Nash Unit #208H (API. No. 30-015-46585) (canceled), Nash Unit #301H (API. No. 30-015-45500), Nash Unit # 3 0 2 H (A P I N o . 30-015-45501) Nash Unit # 3 0 3 H (A P I N o . 30-015-45502), and Nash Unit # 3 0 4 H (A P I N o . 30-015-46583);

(b) The 1,884.08-acre, more or less, Nash Wolfcamp PA (NMNM 105721620) (WC-015 G-05 S233031K [98241]; Wolfcamp [96526]) comprised of Lots 1-7, SE/4 NW/4, S/2 NE/4, E/2 SW/4 and the SE/4 (equivalent of all Section 6) of irregular Section 6, Lots 1-4, E/2 W/2, and the E/2 (equivalent of all Section 7) of irregular Section 7, and Lots 1-4, E/2 W/2, and the E/2 (equivalent of all Section 18) of irregular Section 18, which includes production from the: Nash Unit #401H (API. No. 30-015-45503), Nash Unit # 4 0 2 H (A P I N o . 30-015-45504), Nash Unit # 4 0 3 H (A P I N o . 30-015-46586), and Nash Unit # 4 0 4 H (A P I N o . 30-015-45505); and

Public Notices

(c) Pursuant to 19.15.12.10.C(4)(g), from all future leases, pools, or leases and pools connected to the Nash Deep East Central Tank Battery with notice provided only to the owners of interests to be added.

Pursuant to 19.15.12.7, XTO Energy seeks to amend the terms of Order PLC-629-A to add to the terms of the order the production from the following infill wells:

(a) Nash Unit #601H (API. No. 30-015-53664) to the Nash Bone Spring PA (NMNM 105723819);

(b) Nash Unit #701H (API. No. 30-015-53613) to the Nash Wolfcamp PA (NMNM 105721620); and

(c) Add to the terms of the amended commingling order the following language for future additions of wells within the respective PAs:

If a well is not included in Exhibit A but produces from a pool and lease identified in Exhibit A, then Applicant shall submit Forms C-102 and C-103 to the OCD Engineering Bureau after the well has been approved to be drilled and prior to off-lease measuring or commingling oil or gas production from it with the production from another well. The Form C-103 shall reference this Order and identify the well, proposed method to determine the allocation of oil and gas production to it, and the location(s) that commingling of its production will occur.

Any objection to this application must be filed in writing within twenty days from date of publication with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505. If no objection is received within this twenty-day period, this application may be approved administratively by the Division. If you have any questions about this application, please contact Amanda Garcia, XTO energy, Inc., (505) 787-0508, or amanda.garcia@exxonmobil.com.

6440-Published in the Carlsbad Current-Argus on July 25 2024

NOTICE OF FORECLOSURE SALE STATE OF NEW MEXICO COUNTY OF EDDY FIFTH JUDICIAL DISTRICT COURT Case No.: D-503-CV-2023-00713

DEUTSCHE BANK NATIONAL TRUST COMPANY, AS TRUSTEE, IN TRUST FOR REGISTERED HOLDERS OF LONG BEACH MORTGAGE LOAN TRUST 2006-11 ASSET-BACKED CERTIFICATES, SERIES 2006-11, Plaintiff, vs. VIANCA ONSUREZ-GONZALEZ; BENNY GONZALEZ; EDDY FEDERAL CREDIT UNION; Defendants.

PLEASE TAKE NOTICE that the above-entitled Court, having appointed me or my designee as Special Master in this matter with the power to sell, has ordered me to sell the real property (the "Property") situated in Eddy County, New Mexico, commonly known as 105 S Mesquite St, Carlsbad, NM 88220, and more particularly described as follows: LOT 5, BLOCK 96 STEVENS SECOND ADDITION, TO THE CITY OF CARLSBAD, EDDY COUNTY, NEW MEXICO, AS SHOWN ON THE OFFICIAL PLAT THEREOF ON FILE IN THE OFFICE OF THE COUNTY CLERK OF EDDY COUNTY, NEW MEXICO. Including any mobile home, and any and all improvements, fixtures, and attachments. If there is a conflict between the legal description and the street address, the legal description shall control. The sale is to begin at 11:30 AM on September 17, 2024, Outside the front entrance of the Eddy County Courthouse, 102 North Canal, City of Carlsbad, County of Eddy, State of New Mexico, at which time I will sell to the highest and best bidder for cash, in lawful currency of the United States of America, the Property to pay expenses of sale, and to satisfy the foreclosure Judgment granted on June 24, 2024, in the total amount of \$53,695.42, with interest at the rate of 3.7500% per annum from January 23, 2024 through the date of the sale. The sale is subject to the entry of an Order by this Court approving the sale. NOTICE IS FURTHER GIVEN that the real property and improvements concerned with herein will be sold subject to any and all patent reservations, easements, and all taxes and utility liens, special assessments and taxes that may be due. Deutsche Bank National Trust Company, As Trustee, In Trust For Registered Holders of Long Beach Mortgage Loan Trust 2006-11 Asset-Backed Certificates, Series 2006-11, its attorneys, and the undersigned Special Master, disclaim all responsibility for, and the purchaser at the sale takes the property "as is," in its present condition, subject to the valuation of the property by the County Assessor as real or personal property, affixture of any mobile or manufactured home to the land, deactivation

6460-Published in the Carlsbad Current-Argus on July 25, Aug 1, Aug. 8, and Aug 15, 2024.

Public Notices

of title to a mobile or manufactured home on the property, if any, environmental contamination on the property, if any, and zoning violations concerning the property, if any, NOTICE IS FURTHER GIVEN that the purchaser at such sale shall take title to the above described real property subject to a one (1) month right of redemption. PROSPECTIVE PURCHASERS AT SALE ARE ADVISED TO MAKE THEIR OWN EXAMINATION OF THE TITLE AND THE CONDITION OF THE PROPERTY AND TO CONSULT THEIR OWN ATTORNEY BEFORE BIDDING. By: Margaret Lake 201 Eubank NE Suite #A1 Albuquerque, NM 87123 1 NM-22-950264-JUD IDSPub #0203166

2900-Published in the Carlsbad Current-Argus on July 11, July 18, July 25 and Aug. 1, 2024.

NOTICE OF FORECLOSURE SALE STATE OF NEW MEXICO COUNTY OF EDDY FIFTH JUDICIAL DISTRICT COURT

SERVBANK, SB, Plaintiff, vs. ISAAC FLOREZ; THE UNITED STATES OF AMERICA BY AND THROUGH THE SECRETARY OF HOUSING AND URBAN DEVELOPMENT; Defendants. Case No.: D-503-CV-2023-00054

PLEASE TAKE NOTICE that the above-entitled Court, having appointed me or my designee as Special Master in this matter with the power to sell, has ordered me to sell the real property (the "Property") situated in Eddy County, New Mexico, commonly known as 109 N 10th St, Carlsbad, NM 88220, and more particularly described as follows: LOT 23, BLOCK 19, HILLSIDE SUBDIVISION, TO THE CITY OF C A R L S B A D , E D D Y COUNTY, NEW MEXICO, AS SHOWN ON THE OFFICIAL PLAT THEREOF ON FILE IN THE OFFICE OF THE COUNTY CLERK OF EDDY COUNTY, NEW MEXICO. Including any mobile home, and any and all improvements, fixtures, and attachments. If there is a conflict between the legal description and the street address, the legal description shall control. The sale is to begin at 11:30 AM on September 17, 2024, outside the front entrance of the Eddy County Courthouse, 102 North Canal, City of Carlsbad, County of Eddy, State of New Mexico, at which time I will sell to the highest and best bidder for cash, in lawful currency of the United States of America, the Property to pay expenses of sale, and to satisfy the foreclosure Judgment granted on July 1, 2024, in the total amount of \$164,326.00, with interest at the rate of 4.6250% per annum from February 22, 2024 through the date of the sale. The sale is subject to the entry of an Order by this Court approving the sale. NOTICE IS FURTHER GIVEN that the real property and improvements concerned with herein will be sold subject to any and all patent reservations, easements, and all taxes and utility liens, special assessments and taxes that may be due. Servbank, SB, its attorneys, and the undersigned Special Master, disclaim all responsibility for, and the purchaser at the sale takes the property "as is," in its present condition, subject to the valuation of the property by the County Assessor as real or personal property, affixture of any mobile or manufactured home to the land, deactivation of title to a mobile or manufactured home on the property, if any, environmental contamination on the property, if any, and zoning violations concerning the property, if any. NOTICE IS FURTHER GIVEN that the purchaser at such sale shall take title to the above described real property subject to a one (1) month right of redemption. PROSPECTIVE PURCHASERS AT SALE ARE ADVISED TO MAKE THEIR OWN EXAMINATION OF THE TITLE AND THE CONDITION OF THE PROPERTY AND TO CONSULT THEIR OWN ATTORNEY BEFORE BIDDING. By: Margaret Lake 201 Eubank NE Suite #A1 Albuquerque, NM 87123 1 NM-22-950634-JUD IDSPub #0203395

6460-Published in the Carlsbad Current-Argus on July 25, Aug 1, Aug. 8, and Aug 15, 2024.

PUBLIC NOTICE

Solaris Water Midstream, LLC, 9651 Katy Freeway, Suite 400, Houston, Texas 77024, (OGRID # 371643), is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for commercial saltwater injection into its Mugatu 28 Fed SWD #1. This will be a new well located 944' FNL & 563' FWL in Section 28 Township 23S Range 29E in Eddy County, NM, which is approximately 5.5 miles east of Loving, NM. The purpose of

Public Notices

the well is to inject produced water from permitted oil and gas wells in the area for commercial disposal into the Devonian-Silurian formations at depths of 11,492’ 15,800’ at a maximum surface injection pressure of 2,298 psi and a maximum injection rate of 45,000 barrels of water per day.

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr. Additional information may be obtained by contacting the operator contact, Nate Alleman, at (918) 237-0559 or info@aceadvisors.com.

6580-Published in the Carlsbad Current on July 25, 2024.

STATE OF NEW MEXICO
COUNTY OF EDDY
FIFTH JUDICIAL
DISTRICT COURT
D-503-CV-2024-00243

ELKHORN LAND & TITLE, LLC, Plaintiff, v. AMERICAN ENERGY RESOURCES, LLC, a Domestic Limited Liability Company, Defendant.

NOTICE OF SUIT PENDING

TO:Defendant, American Energy Resources, LLC, Jonathan Samaniego, registered agent

GREETINGS:

You and each of you are hereby notified that there has been filed in the District Court of Eddy County, New Mexico, a certain cause of action wherein, Elkhorn Land & Title, LLC is the Petitioner, and you and each of you are the Respondent, the same being Cause No. D-503-CV-2024-00243 on the Civil Docket.

Public Notices

The general object of said action is to a Complaint for Debt and Money Due.

You and each of you are further notified that unless you enter your appearance or plead herein within twenty days after the date of the last publication of this Summons and Notice of Suit Pending, Petitioner will make application to the Court for Judgment by default, and judgment by default will be rendered against you, and each of you, as prayed for in said Complaint. The name of the attorneys for Plaintiff is Sanders Law Firm (Anna C. Martin), 701 W. Country Club Road, Roswell, New Mexico 88201.

WITNESS my hand and seal of the District Court of Eddy County, New Mexico.

DISTRICT COURT CLERK
By: /s/Gwyneth Gadbury Clerk/Deputy

2910-Published in the Carlsbad Current on July 11, July 18, July 25 and Aug. 1, 2024.

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STATE OF NEW MEXICO
COUNTY OF EDDY
FIFTH JUDICIAL DISTRICT
No. D-503-CV-2023-00964

FREEDOM MORTGAGE CORPORATION, Plaintiff, vs. GAYLA WHITE, if living, if deceased, THE ESTATE OF GAYLA WHITE, Deceased; TYLER WHITE; SAMMIE JO WHITE; SERVHL UNDERLYING TRUST 2019-1; and THE UNKNOWN HEIRS, DEVISEES OR LEGATEES OF GAYLA WHITE, Deceased, Defendants.

NOTICE OF SALE

NOTICE IS HEREBY GIVEN that on September 19, 2024, at the hour of 11:15 a.m., the undersigned Special Master will, at the main entrance of the Eddy County Courthouse, 102 N. Canal St., Carlsbad, New Mexico, sell all the right, title and interest of the above-named Defendants in and to the hereinafter described real estate to the highest bidder for cash. The property to be sold is located at 919 N Howard Street, Carlsbad, and is situate in Eddy County, New Mexico, and is particularly described as follows: THE SURFACE ESTATE ONLY OF: LOT 14, BLOCK 7, UNIT NO. 1, CARTER ADDITION TO THE CITY OF CARLSBAD, EDDY COUNTY, NEW MEXICO AS SHOWN ON THE OFFICIAL PLAT THEREOF ON FILE IN THE OFFICE OF THE COUNTY CLERK OF EDDY COUNTY, NEW MEXICO.

THE FOREGOING SALE will be made to satisfy a judgment rendered by the above Court in the above entitled and numbered cause on July 10, 2024, being an action to foreclose a mortgage on the above described property. The Plaintiff’s Judgment, which includes interest and costs, is \$122,354.74 and the same bears interest at 4.625% per annum from June 15, 2024, to the date of sale. The Plaintiff and/or its assignees has the right to bid at such sale and submit its bid verbally or in writing. The Plaintiff may apply all or any part of its judgment to the purchase price in lieu of cash. The sale may be postponed and rescheduled at the discretion of the Special Master.

NOTICE IS FURTHER GIVEN that the real property and improvements concerned with herein will be sold subject to any and all patent reservations, easements, all recorded and unrecorded liens not foreclosed herein, and all recorded and unrecorded special assessments and taxes that may be due. Plaintiff and its attorneys disclaim all responsibility for, and the purchaser at the sale takes the property subject to, the valuation of the property by the County Assessor as real or personal property, affixture of any mobile or manufactured home to the land, deactivation of title to a mobile or manufactured home on the property, if any, environmental contamination on the property, if any, and zoning violations concerning the property, if any.

NOTICE IS FURTHER GIVEN that the purchaser at such sale shall take title to the above described real property subject to a one month right of redemption.

Electronically filed
/s/Robert Doyle
Robert Doyle, Special Master
PO Box 279
Sandia Park, NM 87047
505-417-4113

3670-Published in the Ruidoso News on July 18, July 25, Aug. 1 and Aug 8, 2024.



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OLYMPICS BRIEFS

Olympics-Salt Lake City confirmed as host of the 2034 Winter Olympic Games - IOC

By Karolos Grohmann

PARIS (Reuters) -Salt Lake City was awarded the 2034 Winter Olympic Games on Wednesday following a vote of the International Olympic Committee.

The U.S. city, which hosted the 2002 Winter Games, earned 83 votes out of 89 at the IOC session, having been named the preferred choice in June.

“To the people celebrating back home: we are back baby, the Olympics are coming back to Utah,” said Utah governor Spencer Cox, who was part of the presentation team, along with Olympic skiing champion Lindsey Vonn, to the IOC session in Paris.

A large crowd had gathered back in Salt Lake City to watch the announcement on big screens.

“Relieved we went through this part of the process, excitement for what is coming,” said United States Olympic and Paralympic Committee chairman Gene Sykes.

“Humility and appreciation, all those together,” he said. “It will be an unforgettable experience, great celebration and once being in Utah with the people of Utah will be something the entire world sees.”

Salt Lake City had initially wanted to bid for the 2030 Games, which were awarded to France, but dropped those plans due to the date being too close to the 2028 Summer Olympics in Los Angeles.

“We are thrilled that the Winter Olympics will be returning to Salt Lake City, Utah in 2034. Congrats @SLC2030 @SLCmayor @UtahGov, and @TeamUSA! #SLCUT2034,” the U.S. State Department said in a post on X.

The project hit an unexpected hurdle recently with the case of 23 Chinese swimmers who had tested positive for banned substances before the Tokyo Olympics held in 2021.

The 23 swimmers tested positive for trimetazidine (TMZ) but were later cleared by a Chinese investigation, which said they were inadvertently exposed to the drug through contamination.

The World Anti-Doping Agency (WADA) did not find any wrongdoing in its own investigation of the cases but it has since triggered a separate U.S. investigation and sharp criticism of WADA’s handling from the U.S. anti-doping agency.

The involvement of U.S. authorities and the use of the Rodchenkov Act in the case angered the IOC which said WADA’s authority could not be unilaterally challenged.

The Rodchenkov Act legislation passed in 2020 extends U.S. law enforcement jurisdiction to any international sporting competitions that involve American athletes or have financial connections to the United States.

The IOC said an amendment in the host city contract had now been added that would allow the IOC to terminate the Olympic host contract “in cases where the supreme authority of WADA in the fight against doping is not fully respected or if the application of anti-doping code is hindered or undermined.”

It said Salt Lake City and the U.S. Olympic and Paralympic Committee had already signed the amended contract.

“The issues under discussion were not caused by Salt Lake City or the state of Utah or the population of Utah,” said IOC President Thomas Bach.

“You have nothing to do with this. It is very unfortunately for you and for us that this issue arose when it comes to your election.”

Olympics-United States risks sports and anti-doping isolation with unilateral action

PARIS (Reuters) -The United States could find itself isolated from world sport with significant consequences for American athletes if it risks the harmonisation of the global anti-doping rules, said World Anti-Doping Agency (WADA) chief Witold Banka on Wednesday.

Banka, addressing the session of the International Olympic Committee (IOC) in Paris, said a recent case of



REUTERS/BENOIT TESSIER

International Olympic Committee President Thomas Bach announces the Salt Lake City Utah as the location for the Winter Olympics 2034 during the IOC Session.

23 Chinese swimmers that has led to a U.S. department of justice investigation had shown that the U.S. anti-doping agency (USADA) was acting with no regard for global anti-doping rules.

“If the United States, encouraged by USADA continues to threaten that harmonisation (of global anti-doping) it will isolate itself from the global sporting community and carry significant consequences for American sport,” Banka said.

“Despite WADA’s public explanations how it handled the case... we have information that the US Department of Justice opened an investigation under the controversial Rodchenkov anti-doping act.”

The 23 Chinese swimmers had tested positive for banned substances before the Tokyo Olympics held in 2021, during a national swim meet in China with no Americans in the competition.

They were later cleared by a Chinese investigation, which said they were inadvertently exposed to the drug through contamination.

WADA did not find any wrongdoing in its own investigation of the cases but it has since triggered a separate U.S. investigation and sharp criticism of WADA’s handling from USADA.

An independent investigation earlier this month ruled WADA did not mishandle or show favouritism while a World Aquatics audit concluded there was no mismanagement or cover-up by the governing body.

“It is all the more disappointing to see the same rhetoric from USADA, doubling down on defamatory allegations against WADA and World Aquatics,” Banka said.

“This has been extremely damaging to our reputation and the confidence and trust athletes and other stakeholders have in the global anti-doping system.”

U.S. JURISDICTION

The involvement of U.S. authorities and the use of the Rodchenkov Act in the case also angered the IOC which said WADA’s authority could not be unilaterally challenged.

The Rodchenkov Act legislation passed in 2020 extends U.S. law enforcement jurisdiction to any international sporting competitions that involve American athletes or have financial connections to the United States.

“This law claims U.S. jurisdiction in doping matters anywhere in the world,” Banka said.

“If the U.S. authorities assert jurisdiction over cases that have nothing to do with them then it risks putting the United States outside the global anti-doping system.”

“The need for anti-doping rules to be consistent and not politically applied is why WADA was funded in the first place,” he added.

USADA said it respected the world anti-doping code but was “shocked” by WADA’s decision not to apply the rules in the case of the swimmers and by the IOC not demanding answers.

“It is shocking to see the IOC itself stooping to threats in an apparent effort to silence those seeking answers to what are now known as facts,” USADA CEO Travis Tygart said in a statement.

“It seems more apparent than ever that WADA violated the rules and needs accountability and reform to truly be the global watchdog that clean athletes need.

“The IOC should be leading the charge to protect clean sport, and it will be devastating to clean athletes around the globe to see a blind eye turned toward these positive tests,” Tygart said.

Statement of Affected Person Notification

A copy of the C-108 application has been provided to the following Affected Persons as notification of the subject Application for Authorization to Inject (C-108).

Entity Name	Entity Address	Mailing Date
Site Surface Owner		
Bureau of Land Management	Oil and Gas Division 620 E Greene St. Carlsbad, NM 88220	08/20/2024
Applicable Mineral Owners		
Bureau of Land Management	Oil and Gas Division 620 E Greene St. Carlsbad, NM 88220	08/20/2024
State Land Office	602 N Canal, Suite B Carlsbad, NM 88220	08/20/2024
OCD District Office		
OCD - District 2	506 W. Texas Ave. Artesia, NM 88210	08/20/2024
Leaseholders within 1-Mile AOR		
BTA Oil Producers, LLC	104 S. Pecos Midland, TX 79701	08/20/2024
Chevron USA Inc.	6301 Deauville Midland, TX 79706-2964	08/20/2024
Echo Production Inc.	PO Box 1210 Graham, TX 76450	08/20/2024
Exxon Mobil	PO Box 2024 Houston, TX 77252	08/20/2024
Marathon Oil Permian, LLC	5555 San Felipe Street Houston, TX 77056	08/20/2024
MRC Permian Co.	726 E Michigan, Ste 330 Hobbs, NM 88240	08/20/2024
Devon Energy Production Co. LP	333 W. Sheridan Ave. Oklahoma City, OK 73102	08/20/2024
Pegasus Resources WI, LLC	2821 W. St. Ste 500 Fort Worth, TX 76107	08/20/2024
Novo Oil & Gas Northern Delaware, LLC	300 N Marienfeld St. Ste 1000 Midland, TX 79701	08/20/2024
Titus Oil & Gas, LLC	420 Throckmorton St. Ste 1150 Fort Worth, TX 76012	08/20/2024
Well Operators within AOR		
BTA Oil Producers, LLC	104 S. Pecos Midland, TX 79701	08/20/2024
Marathon Oil Permian, LLC	5555 San Felipe Street Houston, TX 77056	08/20/2024
Cimarex Energy Co. of Colorado	6001 Deauville Blvd, Ste 300 N Midland, TX 79706	08/20/2024
OXY USA	PO Box 50250 6 Desta Dr Ste 6000 Midland, TX 79705-5602	08/20/2024
Raybaw Operating, LLC	2626 Cole Avenue, Ste 300 Dallas, TX 75204	08/20/2024



August 20, 2024

Subject: Solaris Water Midstream, LLC
Notice of Application for Authorization to Inject
Mugatu 28 Fed SWD #1

Dear Sir or Madam,

Solaris Water Midstream, LLC (Solaris) is applying for administrative approval of an Application for Authorization to Inject (Form C-108) for their proposed Mugatu 28 Fed SWD #1. Per New Mexico Oil Conservation Division (NMOCD) requirements, you are being notified of the application as an Affected Person and are being provided with a copy of the application for review.

Applicant Name: Solaris Water Midstream, LLC
Operator Address: 907 Tradewinds Blvd, Midland, TX 79706
Well Name: Mugatu 28 Fed SWD #1
Legal Location: 944' FNL & 563' FWL in Section 28 T23S R29E, in Eddy County, NM
Coordinates: 32.28063038, -103.99665071 (NAD83)
Injection Formation: Devonian-Silurian
Injection Type: Commercial Disposal

Objections or requests for hearing must be filed with NMOCD within fifteen (15) days of receipt. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505.

Questions regarding this application or the included materials can be directed to Nate Alleman (Solaris Regulatory Advisor Contractor) via telephone at 918-237-0559 or via email at nate.alleman@aceadvisors.com.

Sincerely,

A handwritten signature in black ink that reads "Nathan Alleman".

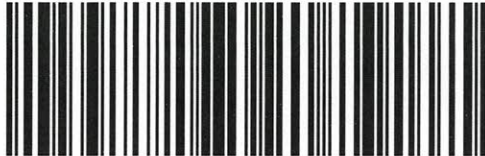
Nate Alleman
Chief Regulatory Advisor
Ace Energy Advisors

Nathan Alleman
Ace Energy Advisors
501 Se Fph Blvd Ste 201
BARTLESVILLE OK 74003-3931



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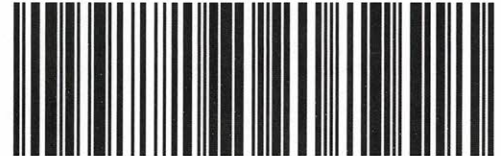
Titus Oil & Gas, LLC
420 Throckmorton St Ste 1150
Fort Worth TX 76102-3761

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Ace Energy Advisors
501 Se Fph Blvd Ste 201
BARTLESVILLE OK 74003-3931



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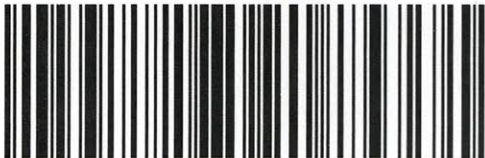
Cimarex Energy Co. of Colorado
6001 Deauville Ste 300
Midland TX 79706-2671

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OXY USA
PO Box 50250
6 Desta Dr Ste 6000
Midland TX 79705-5602

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Raybaw Operating, LLC
2626 Cole Ave Ste 300
Dallas TX 75204-1094

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MRC Permian Co.
726 E Michigan Dr Ste 330
Hobbs NM 88240-3465

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Devon Energy Product Co. LP
333 W Sheridan Ave
Oklahoma City OK 73102-5010

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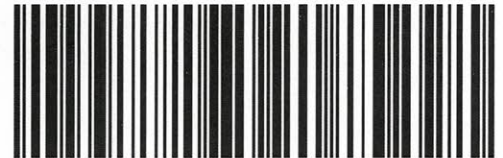
Pegasus Resources WI, LLC
2821 W St Ste 500
Fort Worth TX 76107

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Ace Energy Advisors
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Novo Oil & Gas Northern Delaware, LLC
300 N Marienfeld St Ste 1000
Midland TX 79701-4688

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Chevron USA Inc.
 6301 Deauville
 Midland TX 79706-2964

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 Ace Energy Advisors
 501 Se Fph Blvd Ste 201
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Echo Production Inc.
 PO Box 1210
 Graham TX 76450-1210

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 Ace Energy Advisors
 501 Se Fph Blvd Ste 201
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Marathon Oil Permian, LLC
 5555 San Felipe St
 Houston TX 77056-2701

Nathan Alleman
 Ace Energy Advisors
 501 Se Fph Blvd Ste 201
 BARTLESVILLE OK 74003-3931



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Exxon Mobil
 PO Box 2024
 Houston TX 77252-2024

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 501 Se Fph Blvd Ste 201
 BARTLESVILLE OK 74003-3931



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OCD - District 2
 506 W Texas Ave
 Artesia NM 88210-2041

Nathan Alleman
 Ace Energy Advisors
 501 Se Fph Blvd Ste 201
 BARTLESVILLE OK 74003-3931



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BTA Oil Producers, LLC
 104 S Pecos St
 Midland TX 79701-5021

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 501 Se Fph Blvd Ste 201
 BARTLESVILLE OK 74003-3931



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State Land Office
 602 N Canal St Ste B
 Carlsbad NM 88220-5826

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 501 Se Fph Blvd Ste 201
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Bureau of Land Mngmn Oil&Gas Div.
 620 E Greene St
 Carlsbad NM 88220-6292

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 376348

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 376348
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	9/16/2024