Protested SWD Application

By MRC Permian Company & Matador Production company Received 5/28/2025

To: Engineer, OCD, EMNRD

Cc: Gebremichael, Million, EMNRD; Goetze, Phillip, EMNRD; Paula M. Vance; Kari D. Perez

Subject: [EXTERNAL] Solaris - Powderhorn SWD #1 - MRC Permian and Matador Production Company Protest

Date: Wednesday, May 28, 2025 10:36:20 AM Attachments:

image002.png 1335 001.pdf

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dear Technical Examiners,

MRC Permian Company and Matador Production Company give notice that they are protesting the attached SWD application for Solaris's Powderhorn SWD #1. The protest is timely.

Thank you for your attention to this matter.

Very best, Adam

Tracking Number:

9407111899560290257993

Copy Add to Informed Delivery

Latest Update

Your package will arrive later than expected, but is still on its way. It is currently in transit to the next facility.

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In Transit to Next Facility, Arriving Late

May 23, 2025

Departed USPS Regional Facility

DALLAS TX DISTRIBUTION CENTER May 19, 2025, 5:30 am

Arrived at USPS Regional Destination Facility

DALLAS TX DISTRIBUTION CENTER May 17, 2025, 8:01 pm

Departed USPS Regional Facility

TULSA OK DISTRIBUTION CENTER May 16, 2025, 8:15 pm

Arrived at USPS Regional Origin Facility

TULSA OK DISTRIBUTION CENTER May 16, 2025, 8:58 am

Departed Post Office

BARTLESVILLE OK 74003 May 15, 2025, 9:27 am

USPS picked up item

BARTLESVILLE, OK 74003 May 14, 2025, 1:17 pm

Shipping Label Created, USPS Awaiting Item

BARTLESVILLE, OK 74003 May 13, 2025, 12:02 pm

Hide Tracking History

What Do USPS Tracking Statuses Mean?

Adam Rankin

From: Gebremichael, Million, EMNRD

To: Nate Alleman; Adam Rankin (AGRankin@hollandhart.com)

Cc: Goetze, Phillip, EMNRD; Sandoval, Stacy, EMNRD; Gordan, Erica, EMNRD; Harris, Anthony, EMNRD; Kuehling,

Monica, EMNRD, Lydick, Barbara, EMNRD, Cordero, Gilbert, EMNRD

Subject: Powderhorn SWD #1 , 558" FSL & 315" FEL - Unit P – Section 1 T25S R34E Notice of Protest

Date: Wednesday, May 28, 2025 2:51:00 PM

Greetings Nate Alleman,

The OCD was notified by Matador Production Company ("Matador") that it is protesting the following injection permit request application of Solaris Water Midstream LLC ("Solaris") for produced water disposal in Lea County, NM:

Powderhorn SWD #1, 558' FSL & 315' FEL - Unit P – Section 1 T25S R34E

Matador is identified as an affected person for the referenced application. For the application to proceed, Solaris has two options: either resolve the matter with the protesting party or go to a hearing before the Division. If the protest is withdrawn, then the applications could be processed administratively. Meanwhile, OCD will retain your applications until a resolution is reached on the status of the submittals. If you have any questions, please don't hesitate to reach out to the UIC group.

Regards,

Million Gebremichael, Petroleum Specialist III Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico, 87505

Cell: 5054791137



From: Gebremichael, Million, EMNRD

To: <u>Nate Alleman</u>

Cc: Adam Rankin (AGRankin@hollandhart.com); Goetze, Phillip, EMNRD; Million G.MICHAEL; Sandoval, Stacy,

EMNRD; Gordan, Erica, EMNRD; Harris, Anthony, EMNRD; Kuehling, Monica, EMNRD; Lydick, Barbara, EMNRD;

Cordero, Gilbert, EMNRD

Subject: Powderhorn SWD #1 (558" FSL & 315" FEL - Unit P - Section 1 T25S R34E,) SWD Notice of Protest

Date: Wednesday, May 28, 2025 2:44:00 PM

Greetings Nate Alleman,

The OCD was notified by MRC Permian Company ("MRC") that it is protesting the following injection permit request application of Solaris Water Midstream LLC ("Solaris") for produced water disposal in Lea County, NM:

Powderhorn SWD #1, 558' FSL & 315' FEL - Unit P – Section 1 T25S R34E

MRC is identified as an affected person for the referenced application. For the application to proceed, Solaris has two options: either resolve the matter with the protesting party or go to a hearing before the Division. If the protest is withdrawn, then the applications could be processed administratively. Meanwhile, OCD will retain your applications until a resolution is reached on the status of the submittals. If you have any questions, please don't hesitate to reach out to the UIC group.

Regards,

Million Gebremichael, Petroleum Specialist III Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico, 87505

Cell: 5054791137



AE Order Number Banner

Application Number: pMSG2436445229

SWD-2641

SOLARIS WATER MIDSTREAM, LLC [371643]



November 27, 2024

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

Subject: Solaris Water Midstream, LLC

Application for Authorization to Inject

Powderhorn 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 Powderhorn SWD #1. The application is requesting authorization to dispose of saltwater from oil and gas production in the area via commercial disposal into the Bell Canyon & Cherry Canyon formations in Lea County, NM.

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

Sincerely,

Nate Alleman

Chief Regulatory Advisor

Ace Energy Advisors

RECEIVED:	REVIEWER:	TYPE:	APP NO:	
	- Geologi	ABOVE THIS TABLE FOR OCCIDE CO OIL CONSERVA Cal & Engineering Cancis Drive, Sant	ATION DIVISION g Bureau –	OF NEW MORE
	ADMINISTI	RATIVE APPLICATI	ON CHECKLIST	
THIS C	CHECKLIST IS MANDATORY FOR A REGULATIONS WHICH RI		ATIONS FOR EXCEPTIONS TO EDIVISION LEVEL IN SANTA FE	
Applicant: Solaris W Well Name: Powder			OGRID API: ³⁰⁻⁰	Number: <u>371643</u>
Pool: SWD; Delaware	HOIH 5 W D #1			ode: 96100
SUBMIT ACCURA	ATE AND COMPLETE IN	FORMATION REQUI		IE TYPE OF APPLICATION
A. Location	CATION: Check those – Spacing Unit – Simul NSL □ NSP(PI		n	
[1] Com [[11] Injec	ne only for [1] or [11] mingling – Storage – M DHC	LC PC C Ure Increase – Enha WD IPI E	anced Oil Recovery OR PPR	FOR OCD ONLY
A. Offset B. Royal C. Applic D. Notific E. Surfac G. For all	operators or lease holy, overriding royalty of cation requires publish cation and/or concurrection and/or concurrection and/or concurrection of the above, proof artice required	lders wners, revenue ow ed notice ent approval by SL ent approval by BL	vners .O .M	Notice Complete Application Content Complete
administrative understand th	I: I hereby certify that approval is accurate at no action will be ta re submitted to the Div	and complete to t ken on this applice	he best of my knov	vledge. I also
No	ote: Statement must be comple	eted by an individual with	n managerial and/or super	visory capacity.
			44.00-100-1	
Nathan Alleman			11/27/2024 Date	
Print or Type Name			918-237-0559	
14 111			Phone Number	
Nollin Allina Signature			nate.alleman@aceadve-mail Address	visors.com

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? X Yes No
II.	OPERATOR: Solaris Water Midstream, LLC
	ADDRESS: 907 Tradewinds Blvd, Midland, TX 79706
	CONTACT PARTY: Ace Energy Advisors - Nate Alleman PHONE: (918) 237-0559
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? Yes X No If yes, give the Division order number authorizing the project:
V.	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.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Su data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schema of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
*VIII	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	ertification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and
1	lief.
	AME: Nate Alleman TITLE: Regulatory Consultant
5	GNATURE: Nather Allera DATE: 11/27/2024
F	MAIL ADDRESS: nate.alleman@aceadvisors.com
*	If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

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: Powderhorn SWD #1

Legal Location: 558' FSL & 315' FEL - Unit P - Section 1 T25S R34E - Lea County

Coordinates: 32.15373969, -103.41615936

(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)	(ft) Cement (f		Method Determined
Surface	24	20	923	915	0	Circulation
Intermediate	17-1/2	13-3/8	5,537	2,445	0	Circulation
Production	12-1/4	9-5/8	8,093	1.580	0	Circulation

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.

7" fiberglass-coated tubing set at 5,544'

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

Arrowset AS-1X Retrievable Packer (or equivalent) set at 5,544'

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 - Bell Canyon & Cherry Canyon Pool Name - SWD; Delaware Pool Code – 96100

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

Cased-hole injection between 5,594' - 8,093'

(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: None
 - Underlying
 - o T. Avalon Shale/Bone Spring perfs @ approx. 9,000')
 - o T. Wolfcamp perfs @ (approx.12,500')

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:

- Well Map & List
- Leaseholder Map
- Surface Ownership Map
- Mineral Ownership Map
- DMG SWD & AGI Proximity Map
 - The nearest DMG SWD is the Beaza SWD #1 (30-025-49600) located approximately 2.43 miles (12,803 ft) to the north, and the nearest DMG AGI well is located approximately 7.5 miles (39,684 ft) to the northwest.

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 0.5-mle AOR are included in *Attachment 2*. One well (plugged) penetrates the proposed injection interval within the 0.5-mile AOR. Plugging records and a plugged wellbore diagram are attached for reference. There are 11 additional drilled horizontal wells whose surface hole locations are located outside the AOR, and therefore do not penetrate the injection interval within the AOR, but whose horizontal wellbores pass beneath the proposed injection interval within the AOR radius.

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: 20,000 bpd Average: 15,000 bpd

(2) Whether the system is open or closed;

The system will be closed.

(3) Proposed average and maximum injection pressure;

Maximum: 1118 psi (surface) Average: approx. 800 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 Bone Spring & Wolfcamp production wells in the Delaware Basin will be injected into the proposed SWD. Therefore, water analyses from these formations was obtained and is 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 Bell Canyon & Cherry Canyon formations, which are non-productive zones known to be compatible with formation water from the Bone Spring & Wolfcamp formations. Water analyses of samples collected from the proposed injection formations 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 proposed injection interval, between depths of 5,594 and 8,093 feet below ground level, will span the Bell and Cherry Canyon Formations, which are subdivisions of the Delaware Mountain Group. These formations consist of interbedded sequences composed predominantly of sandstone, siltstone, and shale, with minor limestone beds.

The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, is determined to occur at the top of the Rustler Formation, at a depth of 898 feet below ground level.

Upper confinement, separating the injection interval from the overlying USDW, will be provided by the low-porosity carbonate and low-permeability shale of the Lamar Formation, as well as the impervious salts and anhydrites of the Castile, Salado, and Rustler Formations, which collectively are expected to be 4,646 feet thick. Lower confinement will be ensured by an approximately 100-foot-thick package of interbedded shales, siltstones, and limestones at the top of the upper Brushy Canyon.

All depths and thicknesses stated here are estimated from mapping based on offset logs that have penetrated the Delaware Mountain Group. A full set of open-hole wireline logs will be collected for the subject well if conditions permit, including, but not limited to, gamma-ray, resistivity, neutron-density, sonic, and image logs.

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 2 groundwater wells (1 possibly active and 1 pending) are located within 1 mile of the proposed SWD location. One well was determined to be a potential sampling candidate. We are currently attempting to contact owners of water well sampling candidates to collect samples and the analyses of any collected samples will be submitted to OCD upon receipt.

Attachment 5 includes a table with details of the water wells within 1-mile and a water well map.

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 on 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 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 898'. Water wells in the area for domestic/livestock use are drilled to a depth of approximately 135' - 203'.

An Affirmative Statement signed by a qualified individual is included as Attachment 6.

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 7** 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 Hobbs NewsSun, a newspaper of general circulation in the area, and the associated affidavit is included in *Attachment 7*.

Attachment 1

Phone: (505) 476-3441 Fax: (55) 476-3462

General Information Phone: (505) 629-6116

Online Phone Directory Visit:

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

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION

Revised July 9, 2024
Submit Electronically
via OCD Permitting
ial Submittal

2.11	☐ Initial Submittal				
Submittal Type:	☐ Amended Report				
7 1	☐ As Drilled				

					WELL LOCAT	TION INFORMATION				
API Number Pool Code 96100 Pool					00	Pool Name SWD	; DELAWARE			
Property	y Code		Property Na	me PC	WDERHO	RN SWD		Well Number #1		
OGRID	No. 33	31374	Operator Na	ame SC	DLARIS W	ATER MIDSTRI	EAM, LLC.	Ground Lev	vel Elevation 3375'	
Surface	Owner: 🗆 S	State 🗆 Fee 🗆	Tribal Fed	eral		Mineral Owner:	State ☐ Fee ☐ Tribal			
					Surf	ace Location				
UL P	Section 1	Township 25-S	Range 34-E	Lot	Ft. from N/S 558 FSL	Ft. from E/W 315 FEL	Latitude 32.15373969° N	Longitude 103.41615936° W	County LEA	
	l .			l	Botton	1 Hole Location	1	1		
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
Dedicat	Dedicated Acres Infill or Defining Well Defining Well API			Overlapping Spacing	g Unit (Y/N) Consoli	idation Code				
Order Numbers.						Well setbacks are un	der Common Ownershi	p: □Yes □No		
					Kick O	Off Point (KOP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
					First T	ake Point (FTP)		1		
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
					Last Ta	ake Point (LTP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
1	I	1	I	1	I	1	1	1	1	
Unitize	d Area or Ar	ea of Uniform I	nterest	Spacing	Unit Type □ Horiz	zontal Vertical	Ground Floor	Elevation:		
OPERATOR CERTIFICATIONS					SURVEYOR CERTIFICATIONS					

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

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

Nothan Alleman

11/27/2024

Nathan Alleman

Printed Name

nate.alleman@aceadvisors.com

Email Address

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.

Chris Chris May 19/2024
Signature and Seal of Professional Surveyor

Certificate Number

76

24876

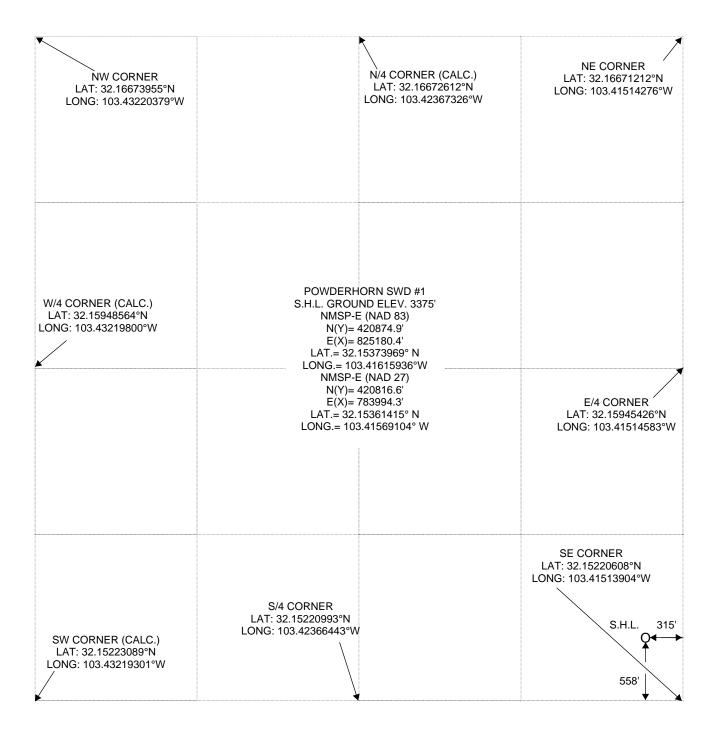
Date of Survey

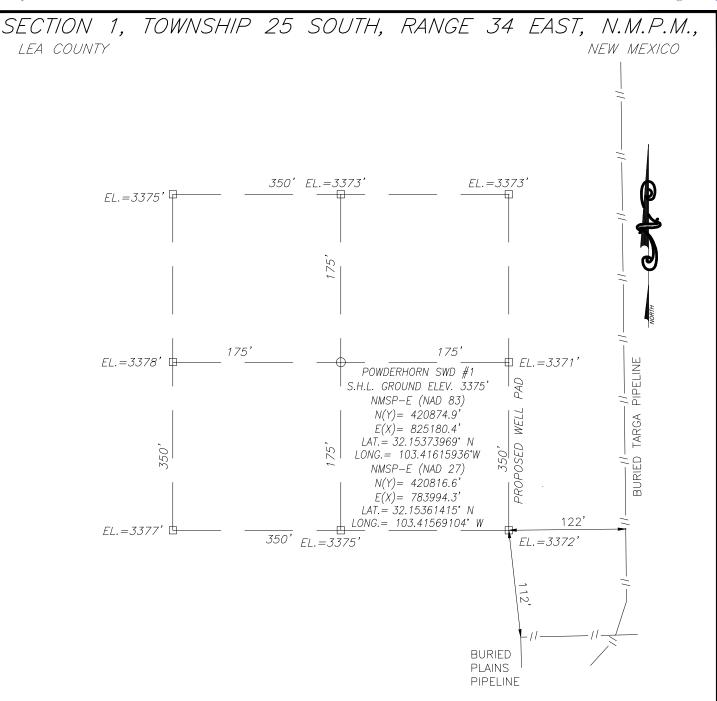
9-13-2024

ESSIONAL

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

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





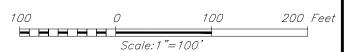
DIRECTIONS TO LOCATION:

BEGINNING IN JAL, NEW MEXICO AT THE INTERSECTION OF ST. HWY. 18 AND STATE HWY. 128 HEAD WEST ON ST. HWY. 128 \pm 14.0 MILES. TURN LEFT AND HEAD SOUTH ON ACCESS ROAD \pm 2.3 MILES. THE WELL STAKED LOCATION FLAG IS WEST \pm 370 FEET.

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



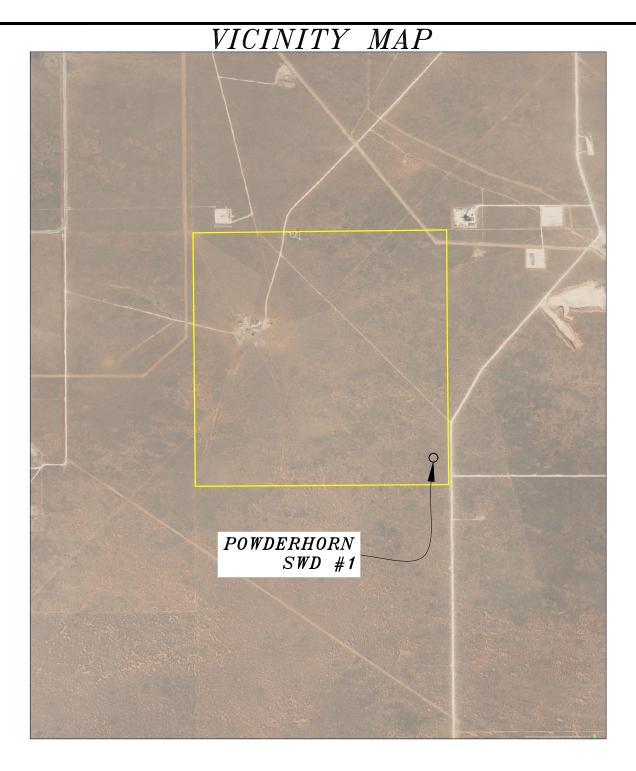
DOWNTOWN DESIGN SERVICES, INC. 16 EAST 16th STREET, SUITE 400 TULSA, OK 74119 Tel: 918-592-3374 Fax: 918-221-3940 www.ddsiglobal.com



SOLARIS WATER MIDSTREAM, LLC.

POWDERHORN SWD #1
LOCATED 558 FEET FROM THE SOUTH LINE
AND 315 FEET FROM THE EAST LINE OF SECTION 1,
TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

	· ·				
SURVEY DATE: SEP.	13, 2024	PAGE:	1	OF	1
DRAFTING DATE: SEP.	16, 2024				
APPROVED BY: CEC DI	RAWN BY: TJA	FILE: 1	POWDER	HORN S	WD #1



SEC. 1 TWP. 25-S RGE. 34-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 558' F.S.L. & 315' F.E.L.

N.A.V.D. 88 ELEVATION______3375'

OPERATOR SOLARIS WATER MIDSTREAM, LLC.

LEASE POWDERHORN SWD #1

U.S.G.S. TOPOGRAPHIC MAP

LEA, N.M.

ELEVATIONS SHOWN WERE DERIVED FROM STATIC GPS AND ARE IN N.A.V.D 1988 DATUM. SCALE: 1" = 2000'

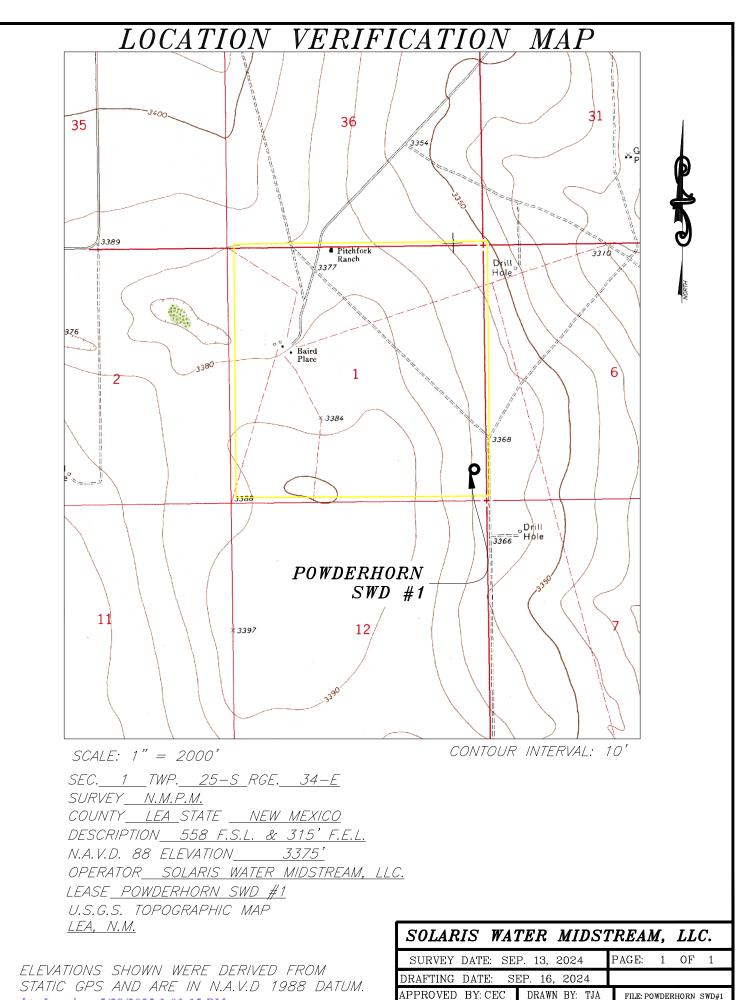
SOLARIS WATER MIDSTREAM, LLC. PAGE: 1

SURVEY DATE: SEP. 13, 2024 DRAFTING DATE: SEP 16, 2024

APPROVED BY: CEC

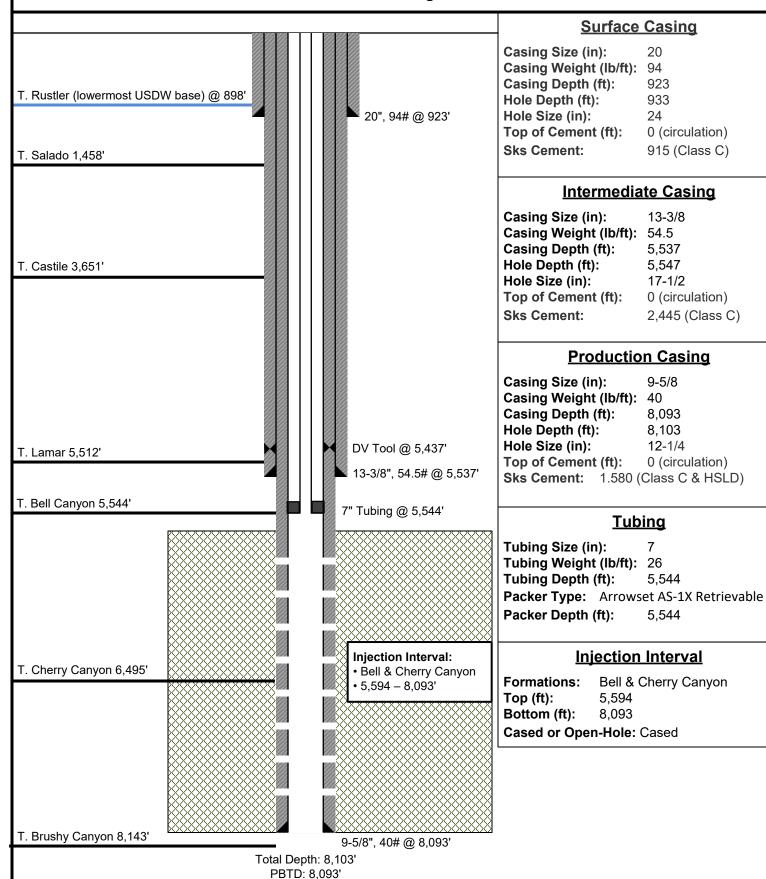
DRAWN BY: TJA FILE: POWDERHORN SWD#1

OF 1



Solaris Water Midstream, LLC

Powderhorn SWD #1 Wellbore Diagram



Released to Imaging: 5/28/2025 3:03:15 PM

Note: Listed depths and cement volumes are approximates based on available information.

NOT TO SCALE



Packer Systems

Arrowset I-X, I-X 10K, and I-X HP Mechanical Packers

Weatherford's Arrowset I-X, I-X 10K, and I-X HP mechanical packers are versatile, field-proven retrievable double-grip packers for most production, stimulation, and injection. The packers can be set with tension or compression.

A large internal bypass reduces the swabbing effect during run-in and retrieval and closes securely when the packer is set. During release, the bypass is opened to equalize the pressure before the upper slips are released. A patented upper-slip releasing system reduces the force required to release the packer. A nondirectional slip is released first, making it easier to release the other slips.

The I-X 10K packer has all the features of the I-X packer and can withstand 10,000 psi (69 MPa) of differential pressure above or below. The I-X HP packer can withstand 7,500 psi (52 MPa) of differential pressure above or below.

Applications

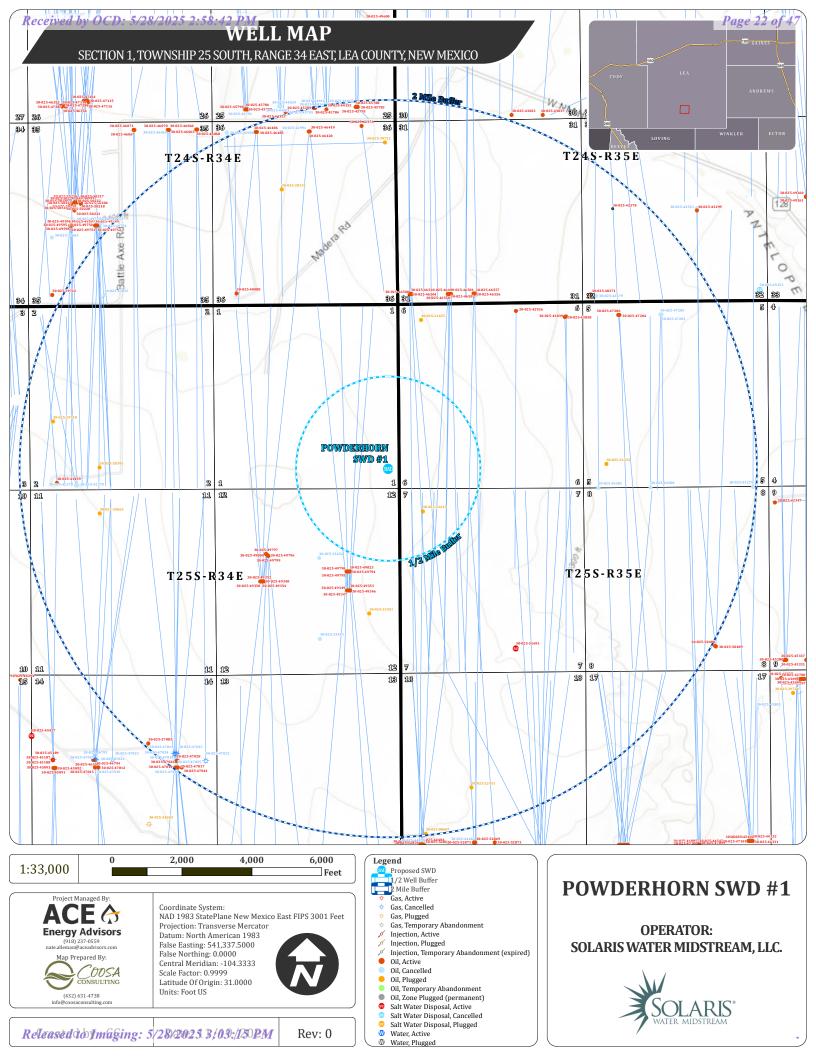
- Production
- Pumping
- Injection
- Fiberglass tubing
- Zonal isolation

Features, Advantages and Benefits

- The design holds high differential pressure from above or below, enabling the packer to meet most production, stimulation, and injection needs.
- The packer can be set with compression, tension, or wireline, enabling deployment in shallow and deep applications.
- The packer can be set and released with only a one-quarter turn of the tubing.
- The bypass valve is below the upper slips so that debris is washed from the slips when the valve is opened, reducing the times for circulation and total retrieval.
- The full opening enables unrestricted flow and the passage of wireline tools and other packer systems.
- The packer can be run with Weatherford's T-2 on-off tool, which enables the tubing to be disconnected and retrieved without retrieving the packer.



Attachment 2



0.5-mile Well List (Top of Injection Interval: 5,594')									
Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?	
PRE-ONGARD WELL #001	30-025-21633	Oil	PRE-ONGARD WELL OPERATOR	Plugged	2/17/1966	D-07-25S-35E	5,664	Yes	
Notes:									

One (1) plugged well penetrates the injection interval within the AOR.
 ** Operator of active, drilled well within AOR and will receive notification of this application.

	Wells w/ Surface Location Outside the 0.5-mile AOR								
Well Name	API#	Well Type	Operator	Field	Status	TVD			
BIGGERS FEDERAL COM - 222H	30-025-52873	OIL	Matador Resources	WILDCAT-025 G-09 S243532M; Wolfbone	Permitted	0			
BIGGERS FEDERAL COM - 221H	30-025-52872	OIL	Matador Resources	WILDCAT-025 G-09 S243532M; Wolfbone	Permitted	13,085			
BIGGERS FEDERAL COM - 122H	30-025-52871	OIL	Matador Resources**	WILDCAT-025 G-08 S253534O; Bone Spring	Completed	11,148			
BIGGERS FEDERAL COM - 121H	30-025-52870	OIL	Matador Resources**	WILDCAT-025 G-08 S253534O; Bone Spring	DUC	11,153			
BIGGERS FEDERAL COM - 111H	30-025-52868	OIL	Matador Resources**	WILDCAT-025 G-08 S253534O; Bone Spring	DUC	10,651			
GREEN EYESHADE FEDERAL COM 602H	30-025-49347	OIL	ConocoPhillips**	WILDCAT-025 G-09 S243532M; Wolfbone	Active	12,686			
GREEN EYESHADE FEDERAL COM 702H	30-025-49349	OIL	ConocoPhillips**	WILDCAT-025 G-09 S243532M; Wolfbone	Active	12,969			
GREEN EYESHADE FEDERAL COM 601H	30-025-49346	OIL	ConocoPhillips**	WILDCAT-025 G-09 S243532M; Wolfbone	Active	12,636			
GREEN EYESHADE FEDERAL COM 701H	30-025-49353	OIL	ConocoPhillips	WILDCAT-025 G-09 S243532M; Wolfbone	Expired Permit	12,936			
STOVE PIPE FEDERAL COM - 707H	30-025-46504	OIL	ConocoPhillips**	WILDCAT-025 G-09 S243532M; Wolfbone	Inactive	12,894			
STOVE PIPE FEDERAL COM - 706H	30-025-46503	OIL	ConocoPhillips**	WILDCAT-025 G-09 S243532M; Wolfbone	Active	12,635			
STOVE PIPE FEDERAL COM - 601H	30-025-46556	OIL	ConocoPhillips**	WILDCAT-025 G-09 S243532M; Wolfbone	Active	12,617			
STOVE PIPE FEDERAL COM - 702H	30-025-46557	OIL	ConocoPhillips**	WILDCAT-025 G-09 S243532M; Wolfbone	Active	12,859			
STOVE PIPE FEDERAL COM - 705H	30-025-46502	OIL	ConocoPhillips	WILDCAT-025 G-09 S243532M; Wolfbone	Expired Permit	12,789			
STOVE PIPE FEDERAL COM - 703H	30-025-46558	OIL	ConocoPhillips	WILDCAT-025 G-09 S243532M; Wolfbone	Expired Permit	N/A			
STOVE PIPE FEDERAL COM - 704H	30-025-46501	OIL	ConocoPhillips	WILDCAT-025 G-09 S243532M; Wolfbone	Expired Permit	12,939			
STOVE PIPE FEDERAL COM - 602H	30-025-46499	OIL	ConocoPhillips	WILDCAT-025 G-09 S243532M; Wolfbone	Expired Permit	12,615			
STOVE PIPE FEDERAL COM - 603H	30-025-46501	OIL	ConocoPhillips**	WILDCAT-025 G-09 S243532M; Wolfbone	Active	12,915			
Notes:			·	·		·			

Notes:

^{**} Operator of active, drilled well within AOR and will receive notification of this application.

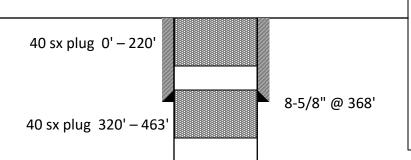
Penetrating Well Casing and Cement Details								
Well Name	API#	Type	Hole	Size	Depth	Sacks	TOC	Method
PRE-ONGARD WELL #001	30-025-21633	Surface	11"	8-5/8"	368'	175	Surface	Circulated

Plugged Penetrating Wells							
API#	Perfs	Casing Pulled	Plugs				
	OH 368' - 5,664'		60 sx plug 5,414' - 5,664'				
30-025-21633		None	30 sx plug 1,055' - 1,180'				
30-025-21033		None	40 sx plug 320' - 463'				
			65 sx plug 0' - 220'				

⁻ Eleven (11) drilled, horizontal wellbores intersect the AOR radius but do not penetrate the injection interval within the AOR.

30-025-21633

Wellbore Diagram



TD 5,664'

Surface Casing

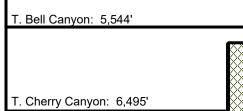
Casing Size (in):8-5/8Casing Weight (lb/ft):24Casing Depth (ft):368Hole Depth (ft):5,664Hole Size (in):11

Top of Cement (ft): 0 (circulation)

Sks Cement: 175

30 sx plug 1,055' - 1,180'

Tops for Powderhorn SWD #1



60 sx plug 5,414' – 5,664'

Powderhorn SWD #1 Injection Interval:

- Bell & Cherry Canyon
- 5,594' 8,093"

T. Brushy Canyon: 8,143"

Note: Listed depths and cement volumes are approximates based on available information.

NOT TO SCALE

*See Instructions on Reverse Side

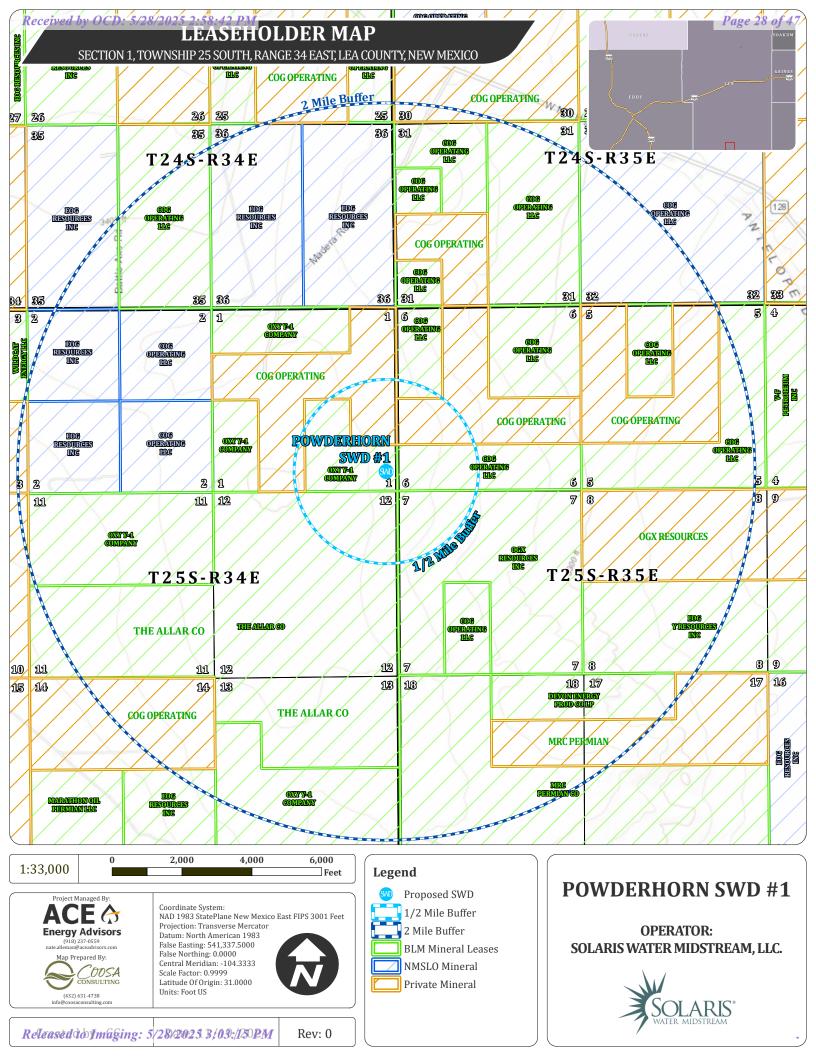
40.60

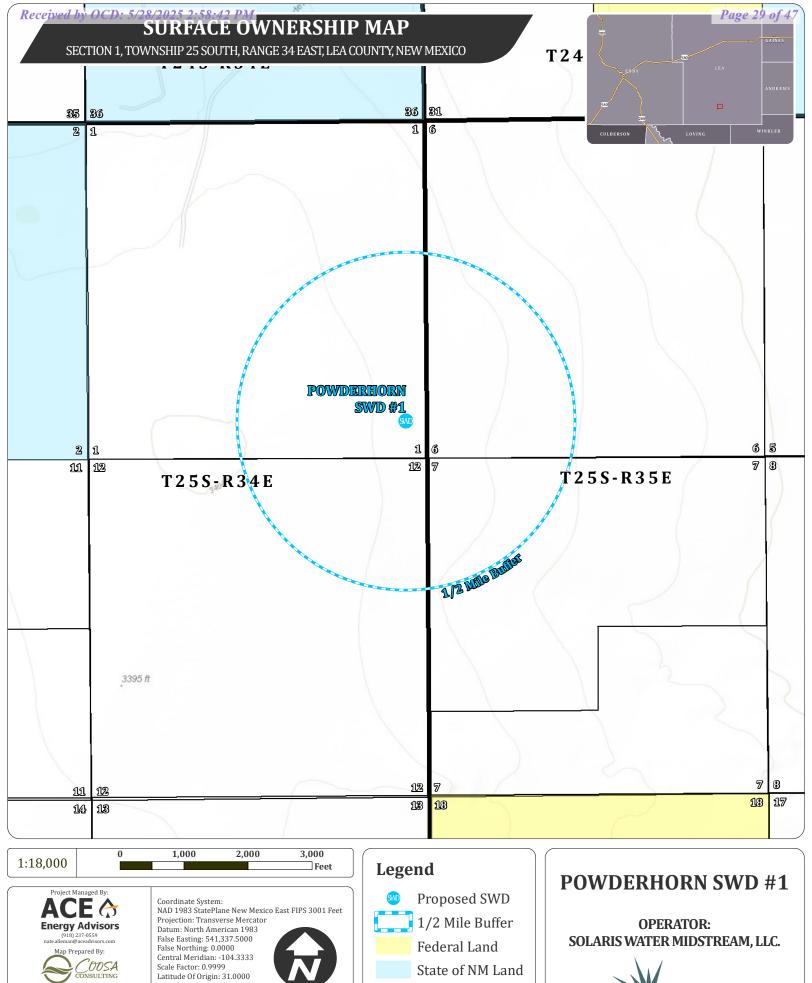
Form 9-331 (May 1963)	UN ED STA		SUBMIT IN TRIPI (Other instructions	TE*	Budget Bure	ed. au No. 42-R1424.
DEP	ARTMEN I OF TH		OR verse side)	5, LE.	ASE DESIGNATION	AND SERIAL NO.
	GEOLOGICAL S	URVEY			B4-0795	<u> </u>
SUNDRY	NOTICES AND RE	EPORTS O	N WFIIS	6. IF	INDIAN, ALLOTTE	E OR TRIBE NAME
	r proposals to drill or to de				•	
Use "A	PPLICATION FOR HERMIT	- ior mon plu	008818.)	7 77		
OIL GAS		2,	•	1. UN	IT AGREEMENT NA	AM E
WELL WELL OF OPERATOR	THER			Q mai	RM OR LEASE NAM	. P
				Moax		eleral
ADDRESS OF OPERATOR	LECTION .				LL NO.	(1) 40 27V
P. O. Box 980,	Verset + Roma			"	1	
LOCATION OF WELL (Report loc		ance with any S	tate requirements.*	10. г	IELD AND POOL, O	R WILDCAT
See also space 17 below.) At surface				W.	licat	
					BC., T., B., M., OR	BLK. AND
660 feet from	North & West Lin	26			SURVEY OR AREA	1
000 1000 1200	,			Sec	7. T-258	R-35E
14. PERMIT NO.	15. ELEVATIONS (SI	how whether DF,	RT, GR, etc.)		OUNTY OR PARISE	
		3363	.7 GR	Les	••	Hew Mexic
.6. Cha	I A D T	1 1: . N	· (Nu D	O:I F		
o. Che	eck Appropriate box 1	Indicate No	ature of Notice, Report,	or Other L)ata	
NOTICE O	F INTENTION TO:	1	SU	BSEQUENT RE	PORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASIN	īG	WATER SHUT-OFF		REPAIRING	WELL
FRACTURE TREAT	MULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING C	ASING
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIZING		ABANDONME	NT*
REPAIR WELL	CHANGE PLANS		(Other)			
(Other)			(Note: Report re Completion or Rec	sults of mul completion R	tiple completion eport and Log fo	on Well rm.)
			tal depth of 5664			
			and spotted 60 s			
			ment 1055'; and t			CEMINIC
	- ·		o surface, leaving	8 222.	35 9*7/O	OMBYTE.
in hole.	Installed well m	FLEGE.				**
Toget	:1 റെ 14 ദീക്കർ :r	n and man	dy for inspection			
<u> </u>	TOU TO ATCOMBON N	A circu 1.00	d you replace or on	•		
						4
•						
		•				
			•	•		
8. I hereby certify that the fore	egoing is true and correct					
	H. F. SWANNACK					
SIGNED SICNED BY	m. r. swannaca	TITLE _Are	a Production Mana	er.	DATE MEL 2	5, 1966
(This space for Federal or S	tate office use)				 	
ADDDOUGED THE						
APPROVED BYCONDITIONS OF APPROVA		MIMI TO				
	L, IF ANY:	TITLE	AF	TROW	DATE	
	L, IF ANY:	TITLE	AF	PROV	DATE	

*See Instructions on Reverse Side

30-025-21633

Form 9-331 (May 1963)	DEPARTME	NITED STATES INT OF THE INTER	SUBMIT IN TRIPLICATE* (Other instructions on reverse side)	5. LEASE DESIGNATION	a No. 42-R1424.
		OLOGICAL SURVEY		NM-07054 6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
(Do 1	SUNDKY NOTICE not use this form for proposals Use "APPLICATION"	to drill or to deepen or plug DN FOR PERMIT—" for such p			•
1. oil (7	GAS 🗆			7. UNIT AGREEMENT NA	ME
WE'L 2	WELL OTHER			8. FARM OR LEASE NAM	E
Gulf (Oil Corporation			Mounsey "A" Fo	ederal
3. ADDRESS				9. WELL NO.	
4. LOCATION See also s	70, Hobbs, N.M. 882 or WELL (Report location clear space 17 below.)	40 ly and in accordance with any	State requirements.*	10. FIELD AND POOL, OR Wildcat	Wildcar
At surface	FNL & 660' FWL			11. SEC., T., R., M., OR B.	LK. AND
000	THE & OOO TWE			SURVEY OR AREA	•
11		5. ELEVATIONS (Show whether DE	on an its V	Sec. 7-25S-35I	
14. PERMIT N	025-21633	3347.1 GL	, Kr. GR, etc.)	Lea	N.M.
16.		D. T. I Je. i k	Law of North Donas C	NI Data	<u> </u>
10.	NOTICE OF INTENTION		lature of Notice, Report, or C	Viner Data Sent report of:	
m22m m.4	[]	OR ALTER CASING		ר	
FRACTUR		TIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING W	
SHOOT O	R ACIDIZE ABA	NDON*	SHOOTING OR ACIDIZING	ABANDONMEN	T*
REPAIR V	WELL CHA	NGE PLANS	(Other) Replug prev		
(Other)			Completion or Recomple	of multiple completion of etion Report and Log for	nı.)
17. DESCRIBE propose nent to	PROPOSED OR COMPLETED OPERATE d work. If well is directionall this work.) *	ions (Clearly state all pertinen y drilled, give subsurface loca	t details, and give pertinent dates, tions and measured and true vertica	including estimated date I depths for all markers	of starting any and zones perti-
Went i	in hole with 2-3/8"	tubing to 220'.	Pumped 65 sacks 2% Ca	C12 cement plug	back to
	ce. Installed dry oper 7, 1978.	hole marker. Repl	ugging operations sta	rted and comple	eted
Will a	advise when locatio	n is roady for ins	nection		
WIII	duvise when locatio	ii is ready for this	pection.		
				RECEI	1EM
				DEC 12 19	
				U. S. GEOLOGICA HOBBO, NEW I	
18. 1 hereby	certify that the foregoing is tr	ue and correct			
SIGNED.	N. B. Sikes	^	ea Engineer	DATE 12-11-	· 7 8
(This spa	ce for Federal or State office u	se)			
APPROVI CONDITI	ED BYONS OF APPROVAL, IF ANY	TITLE		DATE	





Private Land

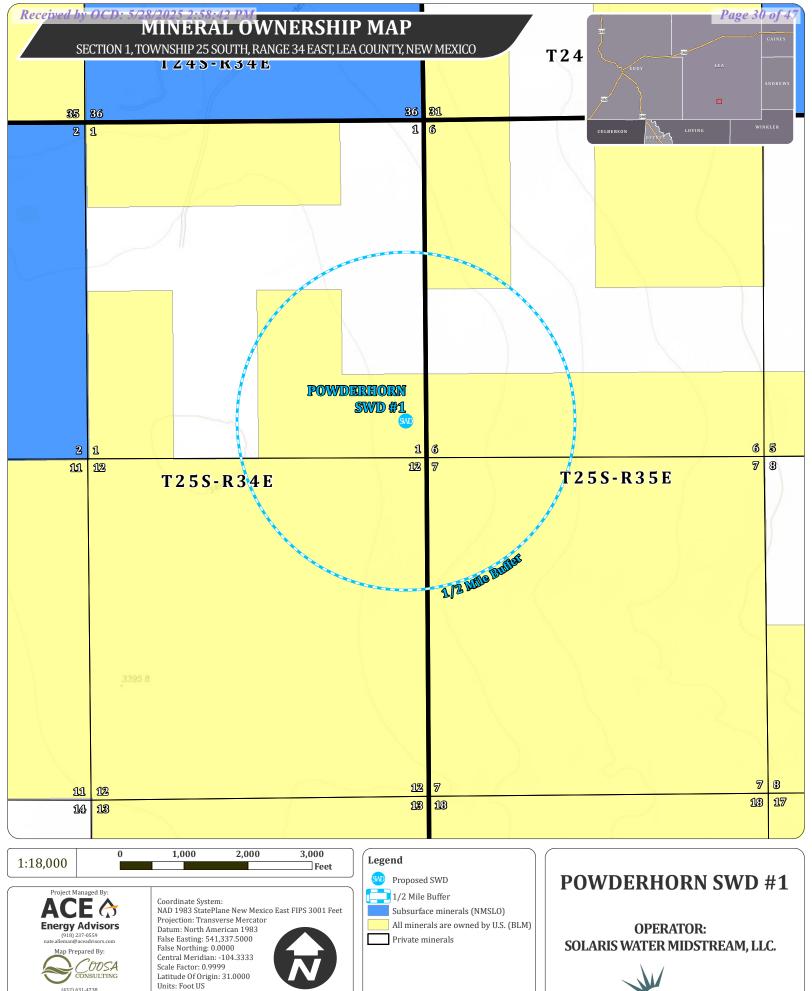
Released to Imaging: 5/28/2025 3/09:/202M

(432) 631-4738

Latitude Of Origin: 31.0000 Units: Foot US

Rev: 0



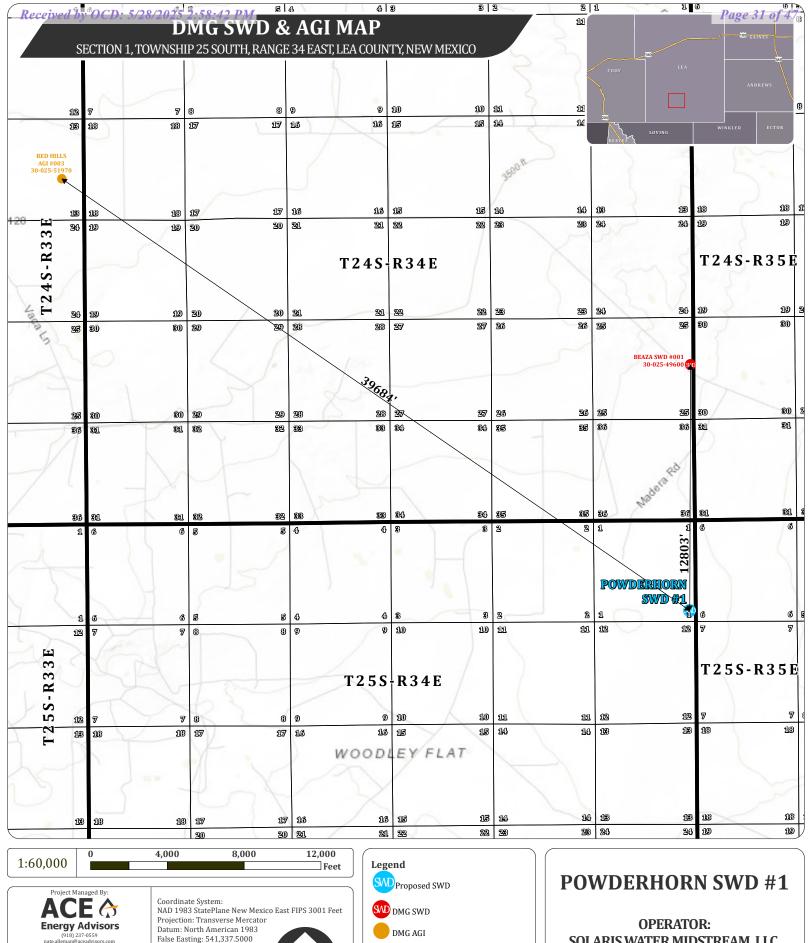


Released to Imaging: 5/28/2025 3/09:/202M

(432) 631-4738

Rev: 0





Releasedddfmaging: 5/28/2025 8/03:/150PM

OOSA

(432) 631-4738

False Northing: 0.0000 Central Meridian: -104.3333 Scale Factor: 0.9999

Latitude Of Origin: 31.0000 Units: Foot US

Rev: 0

SOLARIS WATER MIDSTREAM, LLC.



Attachment 3

Received by OCD: 5/28/2025 2:58:42 PM

Source Formation Water Analysis																						
															TDS	Sodium	Calcium	Iron	Magnesium	Chloride	Bicarbonate	Sulfate
Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Formation	Sampled	PH	(Mg/L)	(Mg/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
BELL LAKE 19 STATE #002H	30-025-41515	32.1964722	-103.609108	19	24S	33E	0	200S	1920E	Lea	NM	BONE SPRING 2ND SAND	2015	6.2		47148	6419	15	854	86572	232	670
BELL LAKE 19 STATE #004H	30-025-41517	32.1964722	-103.6087875	19	248	33E	0	200S	1820E	Lea	NM	BONE SPRING 2ND SAND	2015	6.3		47537	6950	11	886	88389	171	650
BELL LAKE 19 STATE #001H	30-025-41024	32.1964722	-103.6176224	19	24S	33E	М	200S	700W	Lea	NM	BONE SPRING 2ND SAND		7		60725	8703	52	1020	113193	145	700
BELL LAKE 19 STATE #004H	30-025-41517	32.1964722	-103.6087875	19	24S	33E	0	200S	1820E	Lea	NM	BONE SPRING 2ND SAND	2015	6.3		76378	6238	11	834	131397	159	670
BELL LAKE 19 STATE #003H	30-025-41516	32.1964722	-103.6089478	19	248	33E	0	200S	1870E	Lea	NM	BONE SPRING 2ND SAND	2015	6.7		59599	7326	11	942	108190	171	680
BELL LAKE 19 STATE #001H	30-025-41024	32.1964722	-103.6176224	19	24S	33E	М	200S	700W	Lea	NM	BONE SPRING 2ND SAND	2015	6.2		47047	11772	39	1452	98637	98	680
BELL LAKE 19 STATE #002H	30-025-41515	32.1964722	-103.609108	19	24S	33E	0	200S	1920E	Lea	NM	BONE SPRING 2ND SAND	2015	6.3		46235	9427	14	1212	92405	207	740
BELL LAKE 19 STATE #003H	30-025-41516	32.1964722	-103.6089478	19	24S	33E	0	200S	1870E	Lea	NM	BONE SPRING 2ND SAND	2015	6.3		44784	10098	21	1248	91618	146	690
BELL LAKE 19 STATE #004H	30-025-41517	32.1964722	-103.6087875	19	24S	33E	0	200S	1820E	Lea	NM	BONE SPRING 2ND SAND	2015	6.3		55502	11149	25	1361	110592	146	630
BELL LAKE 19 STATE #001H	30-025-41024	32.1964722	-103.6176224	19	24S	33E	М	200S	700W	Lea	NM	BONE SPRING 2ND SAND	2014	6.5	157801	53081	7589	36	882	93442	122	903
BELL LAKE 19 STATE #002H	30-025-41515	32.1964722	-103.609108	19	24S	33E	0	200S	1920E	Lea	NM	BONE SPRING 2ND SAND	2015	6.4		44270	6421	18	730	81981	73	580
BELL LAKE 19 STATE #004H	30-025-41517	32.1964722	-103.6087875	19	24S	33E	0	200S	1820E	Lea	NM	BONE SPRING 2ND SAND	2015	6.2		43120	4938	26	585	77034	134	760
BELL LAKE 19 STATE #001H	30-025-41024	32.1964722	-103.6176224	19	24S	33E	М	200S	700W	Lea	NM	BONE SPRING 2ND SAND	2015	6.7		47763	10366	59	1527	96000	159	638
BELL LAKE 19 STATE #002H	30-025-41515	32.1964722	-103.609108	19	24S	33E	0	200S	1920E	Lea	NM	BONE SPRING 2ND SAND	2015	6.8		47629	8214	18	1182	91000	220	550
BELL LAKE 19 STATE #004H	30-025-41517	32.1964722	-103.6087875	19	24S	33E	0	200S	1820E	Lea	NM	BONE SPRING 2ND SAND	2015	6.7		41736	10300	79	1689	87000	220	658
BELL LAKE 19 STATE #003H	30-025-41516	32.1964722	-103.6089478	19	24S	33E	0	200S	1870E	Lea	NM	BONE SPRING 2ND SAND	2015	6.7		45768	8523	25	1237	89000	195	349
BELL LAKE 19 STATE #001H	30-025-41024	32.1964722	-103.6176224	19	24S	33E	М	200S	700W	Lea	NM	BONE SPRING 2ND SAND	2015	6.77	134649.2	44573	6215	38	759	81682	244	765
BELL LAKE 19 STATE #002H	30-025-41515	32.1964722	-103.609108	19	24S	33E	0	200S	1920E	Lea	NM	BONE SPRING 2ND SAND	2015	7.01	128413.3	44428	4207	42	706	77483	366	910
BELL LAKE 19 STATE #003H	30-025-41516	32.1964722	-103.6089478	19	24S	33E	0	200S	1870E	Lea	NM	BONE SPRING 2ND SAND	2015	6.67	138617.2	46648	5778	41	732	84081	244	710
BELL LAKE 19 STATE #004H	30-025-41517	32.1964722	-103.6087875	19	24S	33E	0	200S	1820E	Lea		BONE SPRING 2ND SAND	2015	6.68	133460.5	44483	5917	31	718	80982	244	675
SALADO DRAW 6 FEDERAL #001H	30-025-41293	32.0657196	-103.5146942	06	26S	34E	М	200S	875W	Lea	NM	BONE SPRING 3RD SAND	2014	6.6	99401.9	34493	3295	0	397	59987	110	710
SALADO DRAW 6 FEDERAL #001H	30-025-41293	32.0657196	-103.5146942	06	26S	34E	М	200S	875W	Lea	NM	BONE SPRING 3RD SAND	2014	6.5	99612.7	34587	3244	10	418	59987	159	820
SALADO DRAW 6 FEDERAL #001H	30-025-41293	32.0657196	-103.5146942	06	26S	34E	М	200S	875W	Lea	NM	BONE SPRING 3RD SAND	2014	6.7	95604	31066	3196	10	394	59071	183	0
SALADO DRAW 6 FEDERAL #001H	30-025-41293	32.0657196	-103.5146942	06	26S	34E	М	200S	875W	Lea	NM	BONE SPRING 3RD SAND	2014	7			3289	0	475		220	
SALADO DRAW 6 FEDERAL #001H	30-025-41293	32.0657196	-103.5146942	06	26S	34E	М	200S	875W	Lea	NM	BONE SPRING 3RD SAND	2014	7	98321.4	33892	3267	10	535	59387	220	635
SNAPPING 2 STATE #014H	3001542688	32.0655599	-103.7413815	02	26S	31E	Ρ	250S	330E	EDDY	NM	WOLFCAMP	2015	7.3	81366	26319	2687	26	327	50281		400
BELLOQ 2 STATE #002H	3001542895	32.3400704	-103.7515914	02	23S	31E	C	200N	1720W	EDDY		WOLFCAMP	2015	6.8	119472	37359	5659	22	746	73173		1036
SINCLAIR STATE #002	3002503123	32.7386246	-103.4561005	21	18S	35E	Α	660N	660E	LEA	NM	WOLFCAMP	1960	7.1	60950		-			33568	1087	3049
MAHUN STATE #001	3001520138	32.3933983	-104.7103424	16	22S	22E	F	1800N	1980W	EDDY	NM	WOLFCAMP	1968	8.6	35495		-			19000	830	2500
MAHUN STATE #001	3001520138	32.3933983	-104.7103424	16	228	22E	F	1800N	1980W	EDDY	NM	WOLFCAMP	1968	8	4568		•			426	695	2100

Attachment 4

Received by OCD: 5/28/2025 2:58:42 PM

					Injectio	n Forn	natio	n Wat	er Anal	ysis								
Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Formation	Sampled	РН	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	Α	660N	660E	LEA		DELAWARE			87686	53920	391	749
NORTH EL MAR UNIT #017	30-025-08430		-103.617691	30	26S	33E	Е	1880N	660W	LEA		DELAWARE			254756	159400	80	210
NORTH EL MAR UNIT #057	30-025-08440		-103.6131134	31	26S	33E	F		2090W	LEA		DELAWARE			259554	163000	61	253
GOEDEKE #002	30-025-08407	32.0597992	-103.5579987	10	26S	33E	G	1980N	1980E	LEA	NM	DELAWARE			293925	184000	85	210
NORTH EL MAR UNIT #017	30-025-08430	32.0166054	-103.617691	30	26S	33E	Е	1880N	660W	LEA	NM	DELAWARE			254756	159400	80	210
NORTH EL MAR UNIT #057	30-025-08440	32.0019455	-103.6131134	31	26S	33E	F	1935N	2090W	LEA	NM	DELAWARE			259554	163000	61	253
GOEDEKE #002	30-025-08407	32.0597992	-103.5579987	10	26S	33E	G	1980N	1980E	LEA	NM	DELAWARE			293925	184000	85	210
NORTH EL MAR UNIT #022	30-025-08278	32.0116615	-103.6262207	25	26S	32E	J	1980S	1980E	LEA	NM	DELAWARE			244815	153500	88	220
NORTH EL MAR UNIT #032	30-025-08291	32.0080185	-103.6434479	26	26S	32E	0	660S	1980E	LEA	NM	DELAWARE			254895			
NORTH EL MAR UNIT #028	30-025-08296	32.0116539	-103.6521072	26	26S	32E	L	1980S	660W	LEA	NM	DELAWARE			249479	156000	976	373
NORTH EL MAR UNIT #045	30-025-08308	32.0043869	-103.6381302	35	26S	32E	Α	660N	330E	LEA	NM	DELAWARE			255115	160000	85	310
MARSHALL #001	30-025-08358	32.284832	-103.6176224	19	23S	33E	М	660S	660W	LEA	NM	DELAWARE			238931	148600	127	156
BELL LAKE UNIT #002	30-025-08489	32.2701836	-103.5112457	30	23S	34E	N	660S	3300E	LEA	NM	DELAWARE			52115	32200	451	529
ICHABOD 7 FEDERAL #004H	30-025-40574	32.0509529	-103.5018997	07	26S	34E	Р	108S	455E	Lea	NM	DELAWARE-BRUSHY CANYON	2014	6.3	232755	140558	244	0
RATTLESNAKE 13 FEDERAL #002H	30-025-41247	32.050499	-103.4204483	13	26S	34E	В	25N	1650E	Lea	NM	DELAWARE-BRUSHY CANYON	2014	6	227045	143469	122	0
RAGIN CAJUN 13 FEDERAL #001H	30-025-41259	32.0369835	-103.4278412	13	26S	34E	N	330S	1345W	Lea	NM	DELAWARE-BRUSHY CANYON	2014	6.7	165213	105060	244	18
RAGIN CAJUN 13 FEDERAL #002H	30-025-41273	32.0369835	-103.428009	13	26S	34E	M	330S	1295W	Lea	NM	DELAWARE-BRUSHY CANYON	2014	6.4	174604	109315	232	18
RAGIN CAJUN 12 FEDERAL #002H	30-025-42256	32.05060893	-103.4284847	12	26S	34E	М	10S	1135W	Lea	NM	DELAWARE-BRUSHY CANYON	2014	5.9	234275	147046	244	36
RATTLESNAKE 13 12 FEDERAL COM #001H	30-025-40912	32.0369568	-103.416214	13	26S	34E	Р	330S	330E	Lea	NM	DELAWARE-BRUSHY CANYON	2014	6.2	243517	149966	49	560
RAGIN CAJUN 12 FEDERAL #001H	30-025-41188	32.0505981	-103.4205627	12	26S	34E	0	10S	1685E	Lea	NM	DELAWARE-BRUSHY CANYON	2014	5.8	234081	143968	61	560
RAGIN CAJUN 13 FEDERAL #001H	30-025-41259	32.0369835	-103.4278412	13	26S	34E	N	330S	1345W	Lea	NM	DELAWARE-BRUSHY CANYON	2014	6.2	194590	119973	49	710

Attachment 5





Legend Proposed SWD 1 Mile Buffer NMOSE Points of Diversion Active Pending Changed Location of Well

Unknown

0

Active Pending Changed Location of Well Inactive Capped Plugged

OPERATOR: SOLARIS WATER MIDSTREAM, LLC.



Received by OCD: 5/28/2025 2:58:42 PM

	Water Well Sampling Table										
Water Well ID OSE Status Owner Available Contact Information				Use	Latitude	Longitude	Notes				
C 02401	Declaration	Quail Ranch, LLC	Dylan Van Brunt, One Concho Center 600 W Illinois Ave Midland, TX 79701	Livestock watering	32.165756	-103.424714	Potential sampling candidate.				
C 04020 POD1	Pending	Bert Madera	PO Box 2795, Ruidoso, NM 88345	Exploration	32.151139	-103.399695	Not considered sampling candidate based on use.				
Note: We are currently attempting to contact owners of water well campling candidates to collect camples and the analyses of any collected camples will be submitted to OCD upon receipt from the Joh											

Attachment 6



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

> Re: Geology Statement Solaris Water Midstream, LLC Powderhorn SWD #1 Section 1, T. 25S, R. 34E Lea 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 Delaware Mountain Group injection zone and any underground sources of drinking water have been found.

Sincerely,

Patrick Ryan Sr. Geologist

Patrice Ryp

Attachment 7

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

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

> Beginning with the issue dated November 21, 2024 and ending with the issue dated November 21, 2024.

Publisher

Sworn and subscribed to before me this 21st day of November 2024.

Business Manager

My commission expires

January 29, 2027

(Seal) STATE OF NEW MEXICO

NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL

LEGAL

LEGAL NOTICE November 21, 2024

Solaris Water Midstream, LLC, 907 Tradewinds Blvd, Midland, TX 79706, (OGRID# 331374), is filling Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for commercial saltwater injection into its Powderhorn SWD #1. This will be a new well located 558 FSL & 315' FEL in Section 1 Township 25S Range 34E in Lea County, NM, which is approximately 13.4 miles west of Jal, 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 Bell Canyon & Cherry Canyon formations at depths of 5,594' – 8,093' at a maximum surface injection pressure of 1,118 psi and a maximum injection rate of 20,000 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.

#00296214

67117907

00296214

NATE ALLEMAN ACE ENERGY ADVISORS 501 E. FRANK PHILLIPS BLVD. SUITE 201 BARTLESVILLE, OK 74006

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											
Quail Ranch, LLC	600 W. Illinois Avenue Midland, TX 79701	11/27/2024									
Applicable Mineral Owners											
	Oil and Gas Division										
Bureau of Land Management	620 E Greene St.	11/27/2024									
	Carlsbad, NM 88220										
OCD District Office											
OCD - District 1	1625 N. French Drive	11/27/2024									
OCD - District 1	Hobbs, NM 88240	11/21/2024									
Leaseholders within 1-Mile AOR											
COC Operating 11 C	600 W Illinois Ave	11/27/2024									
COG Operating, LLC	Midland, TX 79701	11/21/2024									
OXY Y-1 Company	726 E Michigan, Ste 330	11/27/2024									
OXT 1-1 Company	Hobbs, NM 88240	11/21/2024									
OGX Resources	P.O. Box 11148	11/27/2024									
OGA Resources	Midland, TX 79702	11/21/2024									
The Allar Co.	206 S Coronado Ave,	11/27/2024									
The Aliai Co.	Espanola, NM 87532	11/21/2024									
Well Operators within AOR											
Matador Resources	5400 LBJ Freeway, Ste 1500	11/27/2024									
iviatador Resources	Dallas, TX 75240	11/27/2024									
CanacaDhilling	600 W Illinois Ave	11/27/2024									
ConocoPhillips	Midland, TX 79701	11/2//2024									

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

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OCD - DISTRICT 1 1625 N French Dr Hobbs NM 88240-9273

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Bureau of Land Management Oil & Gas Division 620 E Greene St Carlsbad NM 88220-6292

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OXY Y-1 Company 726 E Michigan Dr Ste 330 Hobbs NM 88240-3465

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The Allar Co. 206 S Coronado Ave Espanola NM 87532-2792 Nathan Alleman Ace Energy Advisors 501 Se Fph Blvd Ste 201 BARTLESVILLE OK 74003-3931



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OGX Resources PO Box 11148 Midland TX 79702-8148

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Matador Resources 5400 Lyndon B Johnson Fwy Ste 1500 Dallas TX 75240-1017

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ConocoPhillips 600 W Illinois Ave Midland TX 79701-4882

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 468304

CONDITIONS

Operator:	OGRID:
NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE	264235
1220 S St Francis Dr	Action Number:
Santa Fe , NM 87504	468304
	Action Type:
	[IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	5/28/2025