AE Order Number Banner

Application Number: pEG2527249931

Initial Application Part I

SWD-2670

SOLARIS WATER MIDSTREAM, LLC [371643]

Received: 9/27/2025



September 26, 2025

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

Subject: Solaris Water Midstream, LLC

Application for Authorization to Inject

MD NM L5 S33 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 MD NM L5 S33 SWD #1. The application is requesting authorization to dispose of saltwater from oil and gas production in the area via commercial disposal into the San Andres & Glorieta Formation 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:	
	- Geologia	ABOVE THIS TABLE FOR OCCIDENCE OF OIL CONSERVA CAI & Engineering ancis Drive, Santo	ATION DIVISION g Bureau –	OF NEW VOCA
	ADMINISTR	RATIVE APPLICATION	ON CHECKLIST	
THI	S CHECKLIST IS MANDATORY FOR AI REGULATIONS WHICH RE	LL ADMINISTRATIVE APPLICATION AT THE		
Applicant: Solaris				Number: 371643
Well Name: MD : Pool: SWD; San Andr				-015-xxxxx Code: 96127
OOI. SWD, Ball Allal	cs-Gioricia		POOLC	Jode. <u>2012/</u>
SUBMIT ACCU	RATE AND COMPLETE IN	_		HE TYPE OF APPLICATION
		INDICATED BELC	W	
A. Locatio	LICATION: Check those on – Spacing Unit – Simult NSL NSP		n	D
[1] Cor	mmingling – Storage – M	LC □PC □C ure Increase – Enha	-	FOR OCD ONLY
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administrativ understand	ON: I hereby certify that are approval is accurated that no action will be tall are submitted to the Div	and complete to t ken on this applice	he best of my kno	wledge. I also
	Note: Statement must be comple	eted by an individual with	managerial and/or supe	ervisory capacity.
			09/26/2025 Date	
Nathan Alleman			Daie	
Print or Type Name	9		918-237-0559	
(Phone Number	
Nathan Alleman				
Signature			nate.alleman@acead e-mail Address	dvisors.com
Signature			C-ITIGII AGGI 633	

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. Sudata shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schemat 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 dept 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 njection 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
S	GNATURE:
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:

Side 2

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Released to Imaging: 9/29/2025 2:02:41 PM

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# 331374) Lease/Well Name & Number: MD NM L5 S33 SWD #1

Legal Location: 2,463' FNL & 1,965' FEL - Unit G - Section 33 T19S R38E - Lea County

Coordinates: 32.61719656, -103.15135616

(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	rface 17-1/2		1,632	1,475	0	Circulation
Production	ion 12-1/4 9-5/8		5,844	1,640	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 4,222'

(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 4,222'

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 - San Andres & Glorieta Pool Name - SWD; San Andres-Glorieta Pool Code – 96127

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

Cased-hole injection between 4,322' - 5,844'

(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
 - o Yates (2,865')
 - Seven Rivers (3,122')
 - Underlying
 - Yeso/Paddock (6,044')
 - o Abo (7,161')

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**:

- 0.5-Mile and 2.0-Mile Well Map
- 0.5-Mile Well List
- 0.5-Mile and 2-Mile Lease Map
- 0.5-Mile Surface Ownership Map
- 0.5-Mile Mineral Ownership 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 0.5-mle AOR are included in *Attachment 2*. No wells within the 0.5-mle 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: 25,000 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: 864 psi (surface) Average: approx. 600 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 area will be injected into the proposed SWD. Therefore, water analysis 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 is the San Andres & Glorieta formation, which is a non-productive zone known to be compatible with formation water from the Bone Spring & Wolfcamp 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 proposed injection interval between depths of 4,322 and 5,844 feet below ground level will span the San Andres Formation and the Glorieta Member of the Yeso Formation. The San Andres consists of cyclically interbedded carbonates (limestone and dolomite), with variable minor proportions of anhydrite. The Glorieta consists of siliciclastics (sandstone and siltstone) intercalated with carbonates. Locally, near the subject well, the carbonates are dolomitic based on density porosity and photoelectric log responses.

The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, has been determined to occur at the top of the Rustler Formation, at a depth of 1,607 feet below ground level. The total thickness separating the lowermost USDW and the upper injection interval is anticipated to be approximately 2,715 feet.

Upper confinement is provided by the overlying Artesia Group. At the subject well, the Artesia Group is expected to be 1,587 feet thick. In the project area, the Queen Formation will be a strong barrier to flow as it is approximately 629 feet thick with overall low (<2%) neutron porosity. Examination of local logs indicates the Queen Formation is a dolomite with anhydrite, based on the suppressed density porosity (negative DPHI on a limestone matrix), elevated bulk density (2.6 to 2.98 g/cc), and elevated photoelectric response (>4 b/e).

The injection interval is further isolated from the overlying USDW by the Ochoan evaporite formations of the Salado and Rustler. In aggregate, the Ochoan evaporites, composed primarily of halite and anhydrite, are expected to be approximately 1,128 feet thick.

Lower confinement will be ensured by multiple 50- to 100-foot-thick packages of low-porosity and high-resistivity dolomite in the upper portion of the Yeso Formation (underlying the Glorieta and overlying the Tubb Sand).

All stated depths and thicknesses are estimates, derived from mapping, utilizing offset logs that have penetrated the San Andres and Glorieta. If conditions allow a full set of open-hole wireline logs will be collected from the subject well, including, but not limited to, gamma-ray, resistivity, and neutron-density porosity.

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 1,607'. Water wells in the area for domestic/livestock use are drilled to a depth of approximately 50' - 108'.

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 29 groundwater wells are located within 1 mile of the proposed SWD location. Two wells were sampled and the resulting analyses are attached.

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

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 1,607'.

Attachment 6 includes a signed statement.

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

Received by OCD: 9/27/2025 10:55:28 AM Santa Fe Main Office
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/

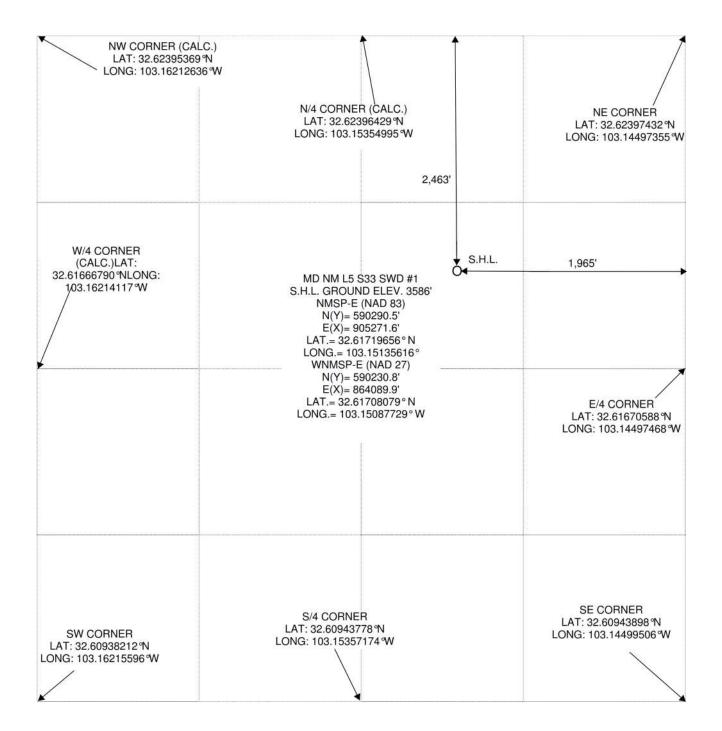
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

	Revised July 9, 2024
	Submit Electronically
	via OCD Permitting
	☐ Initial Submittal
ittal	☐ Amended Report

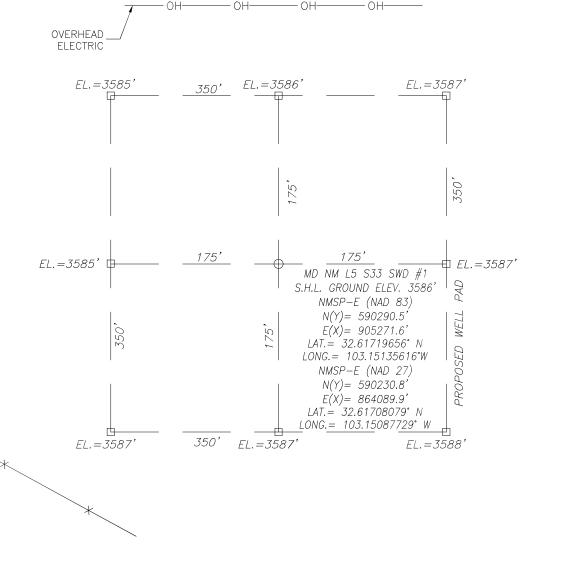
mups.//w	ww.ciiiiiu.iii	ii.gov/ocu/coiia	act-us/					Submittal	☐ Amende	d Report			
								Type:	☐ As Drille				
				<u></u>	WELL LOCAT	TION INFORMATION	4	!					
API Nu	mber		Pool Code	96	6127	Pool Name SWD; S	an And	res-Glori	eta				
Propert	y Code		Property Na	me M	D NM L5 S	Well Number #1							
OGRID	^{No.} 371	643	Operator Na	me S	OLARIS WA	ATER MIDSTRE	AM, LL	C.	Ground Lev	rel Elevation 3586'			
Surface	Owner: 🗆 S	State 🛛 Fee 🗆	Tribal □ Fede	eral		Mineral Owner:	State 💢 Fee	□ Tribal □ F	ederal	3			
					Surf	ace Location							
UL G	Section 33	Township 19-S	Range 38-E	Lot	Ft. from N/S 2,463 FN	Ft. from E/W	Latitude 32.6171965		ongitude 3.15135616 ° W	County LEA			
		I/			Bottom	Hole Location	1						
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	ongitude	County			
Dedicat	ted Acres	Infill or Defin	ning Well	Defining	g Well API	Overlapping Spacing	Unit (Y/N)	Consolidati	on Code				
Order N	lumbers.	*				Well setbacks are und							
					Kick O	off Point (KOP)							
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	ongitude	County			
		100			First Ta	ake Point (FTP)	-						
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	L	ongitude	County				
		J ₃	M		Last Ta	ake Point (LTP)	ed.			<u> </u>			
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	L	ongitude	County			
Unitize	d Area or Ar	ea of Uniform I	nterest	Spacing	Unit Type □ Horiz	zontal Vertical	Gro	round Floor Elevation:					
OPER A	TOR CERT	IFICATIONS				SURVEYOR CERTIFIC	CATIONS			7			
I hereby my know organiza including location	certify that the cledge and beli tion either ow g the proposed pursuant to a	e information cont ef, and, if the well ns a working inter bottom hole loca contract with an o	l is a vertical or o rest or unleased o tion or has a rigi wner of a workin	directional t mineral inte ht to drill th ag interest of	erest in the land	I hereby certify that the was surveys made by me or und my belief.	ell location sh						
entered if If this we consent in each t interval	by the division ell is a horizon of at least one tract (in the tar	tal well, I further lessee or owner oj get pool or forma or obtained a coi	certify that this of f a working interc ttion) in which ar	organization est or unlead ny part of th	n has received the sed mineral interest the well's completed	de	24	5	A TON	29786 29786			
Signature			Date			Signature and Seal of Profess							
8 <u>4</u>	han A lle	man			<u> </u>	Certificate Number Date of Survey							
Printed N						Certificate Number Date of Survey							
š:		in@acead	JVISOIS.CO	om —		29786	6-27	7-2024, F	Revised 8	3-20-2024			
Email Ac	uress												

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.



SECTION 33, TOWNSHIP 19 SOUTH, RANGE 38 EAST, N.M.P.M., LEA COUNTY NEW MEXICO



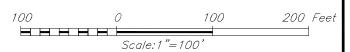
DIRECTIONS TO LOCATION:

BEGINNING IN HOBBS, NEW MEXICO AT THE INTERSECTION OF HWY. 62/180 AND STATE HWY. 18, HEAD SOUTH ON STATE HWY. 18 ± 4.0 MILES. TURN RIGHT AND HEAD WEST ON NADINE ROAD FOR ± 1.0 MILE. TURN LEFT AND HEAD SOUTH ON WINKER ROAD FOR ± 0.5 MILES. THE WELL STAKED LOCATION FLAG IS WEST $\pm 1,700$ FEET.

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



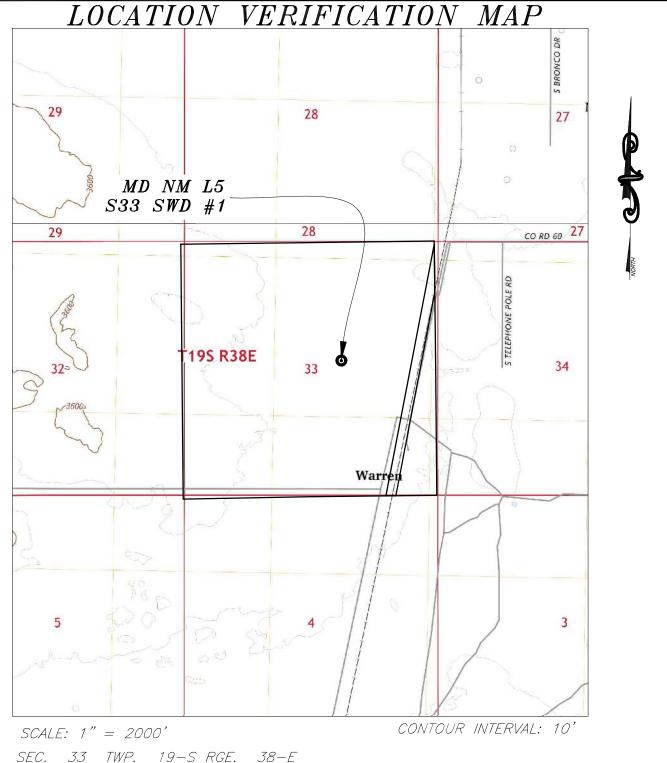
DOWNTOWN DESIGN SERVICES, INC. 16 EAST 16th STREET, SUITE 400 TULSA, OK 74119 Tel: 918-592-3374 Fax: 918-221-3940 www.ddsiglobal.com



SOLARIS WATER MIDSTREAM, LLC.

MD NM L5 S33 SWD #1
LOCATED 2,463 FEET FROM THE NORTH LINE
AND 1,965 FEET FROM THE EAST LINE OF SECTION 33,
TOWNSHIP 19 SOUTH, RANGE 38 EAST, N.M.P.M.,
LEA COUNTY. NEW MEXICO

HER COUNTY, IVEW M	Brito
SURVEY DATE: JUNE 27, 2024	PAGE: 1 OF 1
DRAFTING DATE: JULY 2, 2024	
APPROVED BY: CEC DRAWN BY: LDT	FILE: MD NM L5 S33 SWD #1



SEC. 33 TWP. 19-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2,463' F.N.L. & 1,965' F.E.L.

N.A.V.D. 88 ELEVATION_____3586'

OPERATOR SOLARIS WATER MIDSTREAM, LLC.

LEASE MD NM L5 S33 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. SOLARIS WATER MIDSTREAM, LLC.

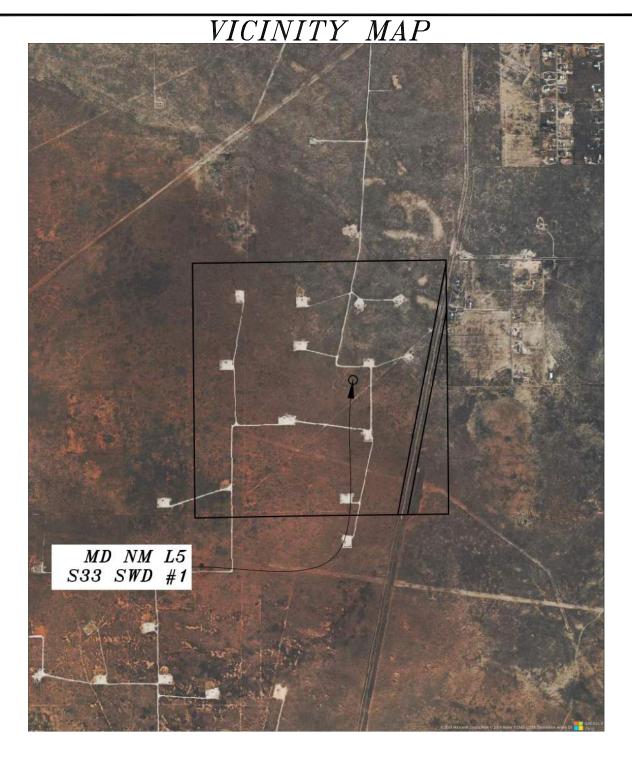
SURVEY DATE: JUNE 27, 2024

DRAFTING DATE: JULY 2, 2024

APPROVED BY: CEC DRAWN BY: LDT

PAGE:

1



SCALE: 1" = 2000'

SEC. 33 TWP. 19-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2,463' F.N.L. & 1,965' F.E.L.

N.A.V.D. 88 ELEVATION 3,586'

OPERATOR SOLARIS WATER MIDSTREAM, LLC.

LEASE MD NM L5 S33 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.

SOLARIS WATER MIDSTREAM, LLC.

SURVEY DATE: JUNE 27, 2024
DRAFTING DATE: JULY 2, 2024

APPROVED BY: CEC | DRAWN BY: LDT | FILE: MD NM L5 S33 SWD#1

PAGE: 1 OF 1

NOT TO SCALE

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



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

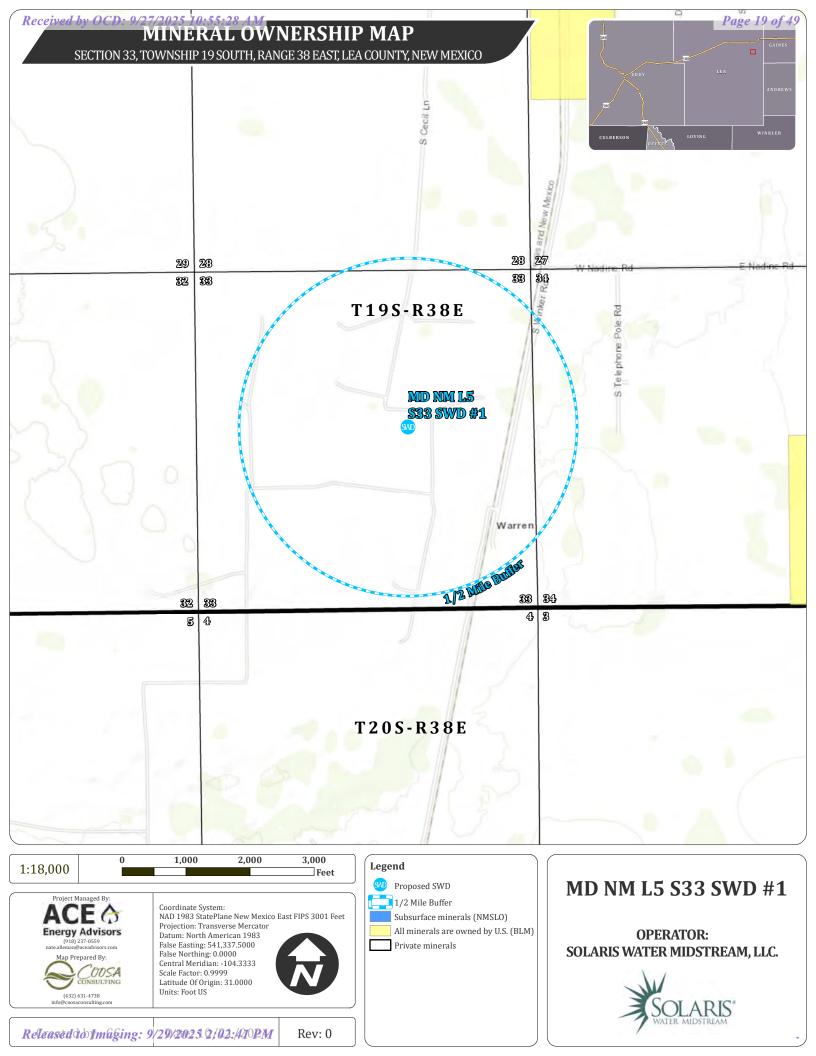
- Production
- Pumping
- Injection
- Fiberglass tubing
- Zonal isolation

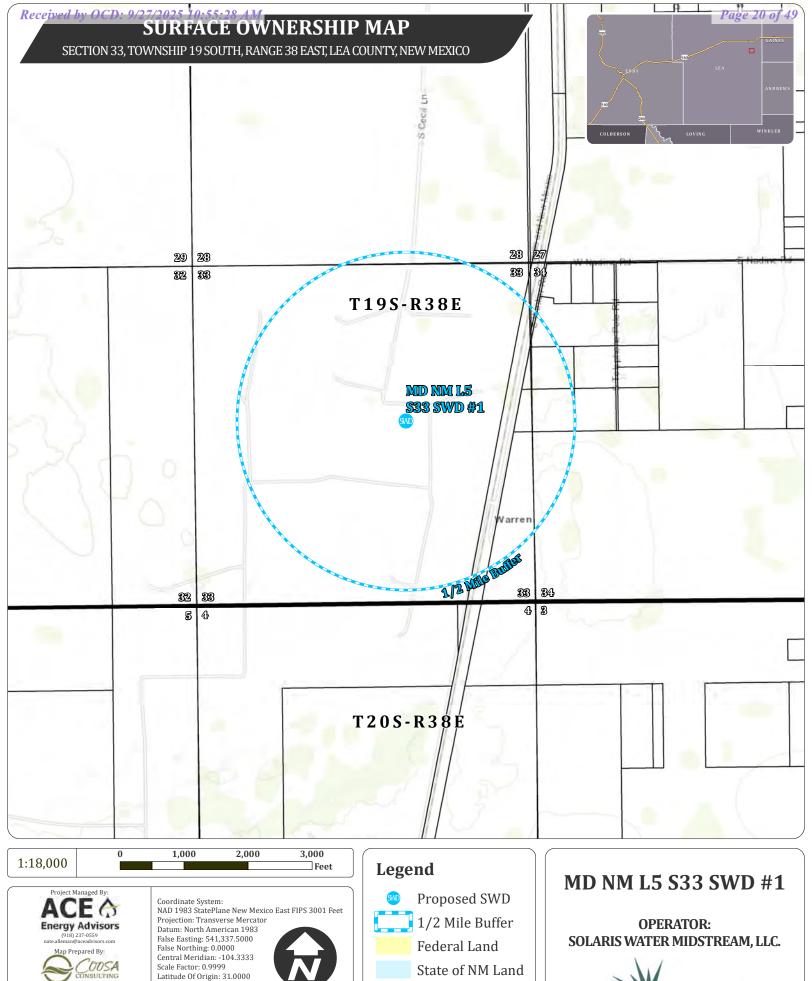
Features, Advantages and Benefits

- 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





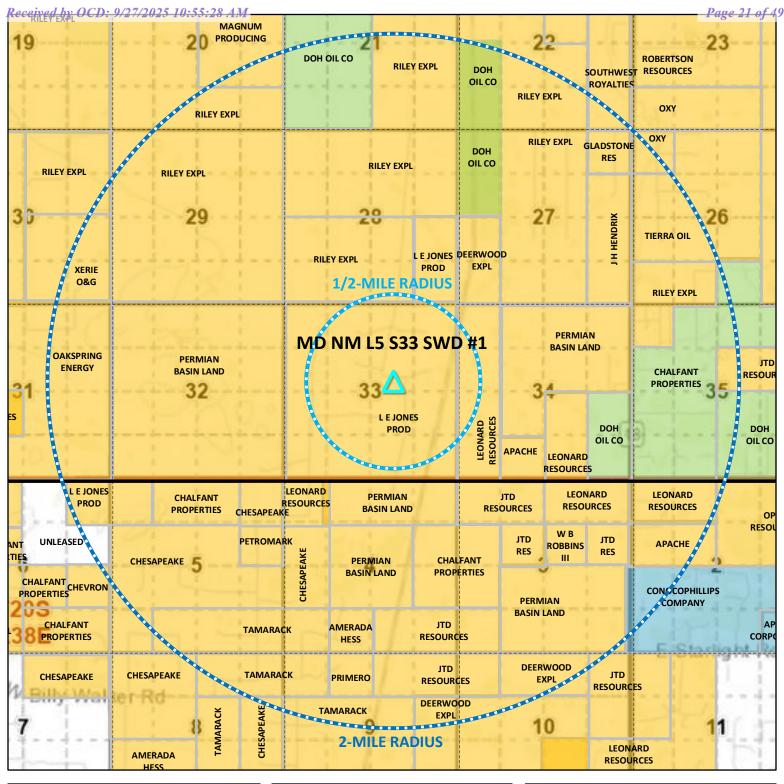
Private Land

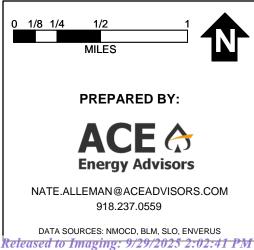
Releasedddfmaging: 9/20/2025 Q/02:/410PM

(432) 631-4738 @coosaconsulting Units: Foot US

Rev: 0

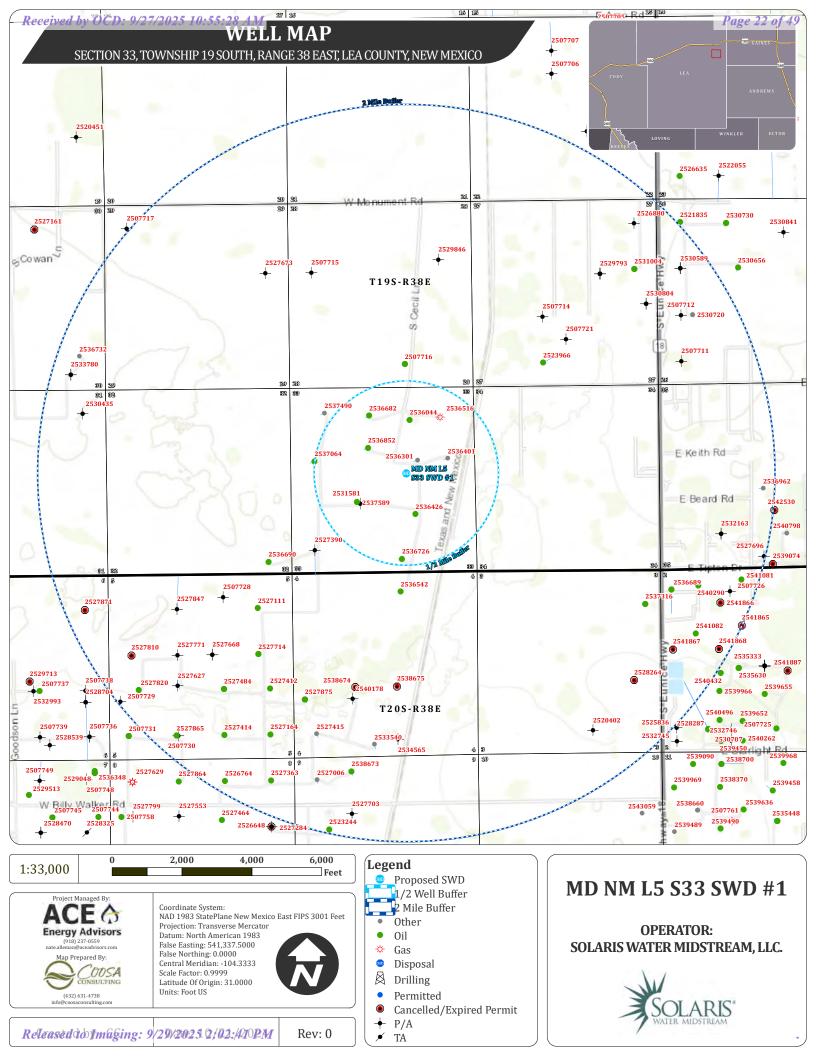












		0.5	-mile Well List (Top of Inje	ection Inte	erval: 4,322')			
Well Name	Well Name API# Well Type Op CNEILL D #002 30-025-37589 Oil L E JONES OPE LE-ONGARD WELL #001 30-025-31581 Oil PRE-ONGARD WELL CNEILL #005 30-025-37064 Oil L E JONES OPE CNEILL #004 30-025-36852 Oil L E JONES OPE CNEILL #003 30-025-36682 Oil L E JONES OPE CNEILL B #002 30-025-36726 Oil L E JONES OPE				Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
MCNEILL D #002	30-025-37589	Oil	L E JONES OPERATING INC**	Active	12/27/2005	K-33-19S-38E	7,209	Yes
PRE-ONGARD WELL #001	30-025-31581	Oil	PRE-ONGARD WELL OPERATOR	Plugged	5/4/1992	K-33-19S-38E	3,600	No
MCNEILL #005	30-025-37064	Oil	L E JONES OPERATING INC**	Active	1/29/2005	E-33-19S-38E	7,535	Yes
MCNEILL #004	30-025-36852	Oil	L E JONES OPERATING INC**	Active	9/15/2004	F-33-19S-38E	7,450	Yes
MCNEILL #003	30-025-36682	Oil	L E JONES OPERATING INC**	Active	5/4/2004	C-33-19S-38E	7,400	Yes
MCNEILL B #002	30-025-36726	Oil	L E JONES OPERATING INC**	Active	6/18/2004	O-33-19S-38E	7,450	Yes
MCNEILL #001	30-025-36044	Oil	L E JONES OPERATING INC**	Active	11/13/2002	B-33-19S-38E	7,600	Yes
MCNEILL B #001	30-025-36426	Oil	L E JONES OPERATING INC**	Active	10/12/2003	J-33-19S-38E	7,300	Yes
MCNEILL #002	30-025-36301	Oil	L E JONES OPERATING INC**	Active	6/19/2003	G-33-19S-38E	7,280	Yes
MCNEILL C #001	30-025-36516	Gas	L E JONES OPERATING INC**	Active	1/1/2004	A-33-19S-38E	7,300	Yes
MCNEILL A #001	30-025-36401	Oil	L E JONES OPERATING INC**	Active	9/14/2003	H-33-19S-38E	7,280	Yes
Notes:		-	-					

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

Horizontal Well w/ Surface Location Outside the 0.5-mile AOR													
Well Name API# Well Type Operator Field Status Depth													
N/A	N/A												
Notes:													
- No drilled active horizontal v	vallhores intersec	t the AOD radius											

No drilled, active horizontal wellbores intersect the AOR radius.

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

			Casing and C	Cement				
API#	Type	Hole	Size	Depth	Sacks	TOC	Method	Problem
	Surface	14-3/4"	13-3/8"	344'	200	Surface	Circulated	
30-025-37589	Intermediate	12-1/4"	8-5/8"	1,640'	850	Surface	Circulated	No
	Production	7-7/8"	5-1/2"	7,209'	1,370	Surface	Circulated	
30-025-37064	Surface	12-1/4"	8-5/8"	1,642'	795	Surface	Circulated	No
30-025-37064	Production	7-7/8"	5-1/2"	7283	1,800	Surface	Circulated	INO
20 005 20052	Surface	12-1/4"	8-5/8"	1,648'	795	Surface	Circulated	No
30-025-36852	Production	7-7/8"	5-1/2"	7,236'	1,800	Surface	Circulated	No
20.005.0000	Surface	12-1/4"	8-5/8"	1,660'	795	Surface	Circulated	
30-025-36682	Production	7-7/8"	5-1/2"	7,400'	1,720	Surface	Circulated	No
20 005 20700	Surface	12-1/4"	8-5/8"	1,645'	795	N/A	N/A	NI-
30-025-36726	Production	7-7/8"	5-1/2"	7,450'	1,950	Surface	Circulated	No
20 005 20044	Surface	12-1/4"	8-5/8"	1,640'	1,354	Surface	N/A	
30-025-36044	Production	7-7/8"	5-1/2"	7,600'	1,600	Surface	N/A	No
20 005 20400	Surface	12-1/4"	8-5/8"	1,632'	795	N/A	N/A	NI-
30-025-36426	Production	7-7/8"	5-1/2"	7,300'	1,990	Surface	Circulated	No
00 005 00004	Surface	12-1/4"	8-5/8"	1,625'	795	N/A	N/A	
30-025-36301	Production	7-7/8"	5-1/2"	7,280'	1,410	Surface	Circulated	No
00 005 00540	Surface	12-1/4"	8-5/8"	1,655'	795	N/A	N/A	
30-025-36516	Production	7-7/8"	5-1/2"	6,523'	1,410	Surface	Circulated	No
20 005 20404	Surface	12-1/4"	8-5/8"	1,632'	795	Surface	Circulated	NI-
30-025-36401	Production	7-7/8"	5-1/2"	7,280'	1,550	Surface	Circulated	No

	Plugged Penetrating Wells											
API#	API# Perfs Casing Pulled Plugs											
	No plugged penetrating wells											

⁻ Ten active wells penetrate the injection interval within the AOR.

Attachment 3

Received by OCD: 9/27/2025 10:55:28 AM

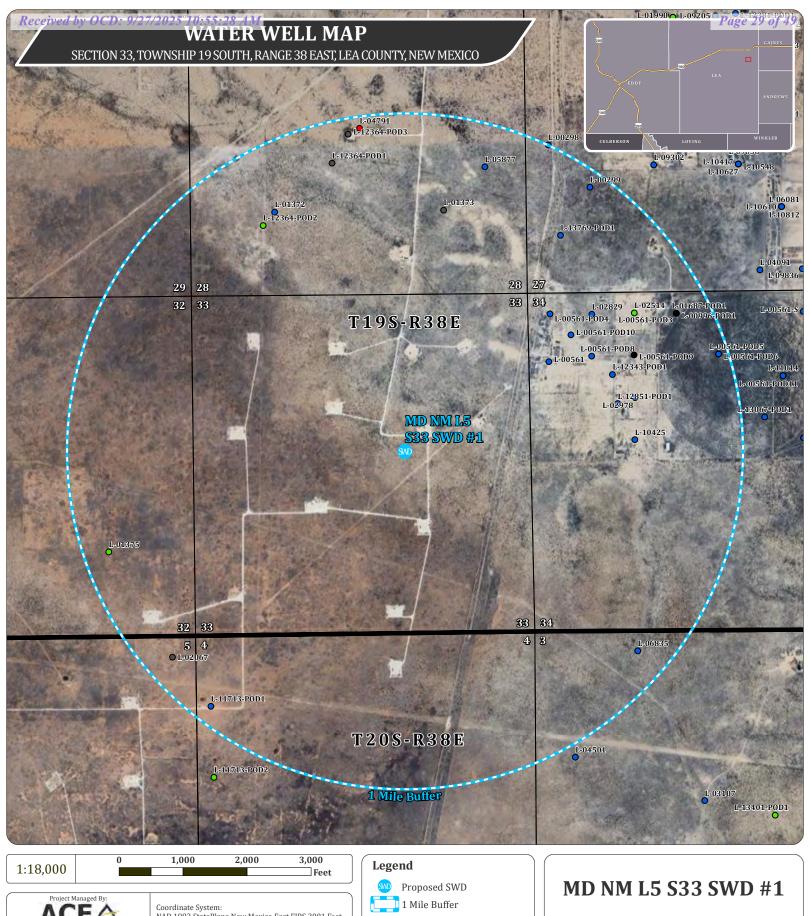
									Sourc	e Forma	ation W	later Analysis											
Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Formation	Sampled	РН	TDS (Mg/L)	Sodium (Mg/L)	Calcium (MG/L)	Iron (MG/L)	Magnesium (MG/L)	Manganese (MG/L)	Chloride (MG/L)	Bicarbonate (MG/L)	Sulf (MG
STATE NPA #001	30-025-03156	32.6879654	-103.5031815	6	198	35E	L	1980S	660W	LEA	NM	BONE SPRING	1960	7.7	25800						14100	830	112
HOOTING STAR STATE SWD #001	30-025-29805	32.7594261	-103.4270935	11	18S	35E	J	1650S	2310E	LEA	NM	BONE SPRING	2001	6.2			15600	3	982		148248	244	65
SINCLAIR STATE #002	30-025-03123	32.7386246	-103.4561005	21	18S	35E	Α	660N	660E	LEA	NM	WOLFCAMP	1960	7.1	60950						33568	1087	304
RONHOUSE 19 STATE COM #001H	30-025-40676	32.7266121	-103.499527	19	18S	35E	N	200S	1800W	Lea	NM	BONE SPRING 2ND SAND	2014	6.4	182864	58171	4944	49	1893	1	113954	195	0
RONHOUSE 19 STATE COM #004H	30-025-41245	32.7264938	-103.5014343	19	18S	35E	M	150S	1215W	Lea	NM	BONE SPRING 2ND SAND	2014	6.2	189029	64016	5319	39	2044	2	113566	159	0
RONHOUSE 19 STATE COM #002H	30-025-41094	32.7271118	-103.4903336	19	18S	35E	P	410S	630E	Lea	NM	BONE SPRING 2ND SAND	2014	6.0	205332	72646	4828	39	2316	2	130450	488	150
RONHOUSE 20 STATE COM #001	30-025-40611	32.7265129	-103.4774857	20	18S	35E	0	200S	1980E	Lea	NM	BONE SPRING 2ND SAND	2014	6.1	186865	65638	4698	16	1700	1	116510	1098	180
RONHOUSE 20 STATE #002H	30-025-40748	32.7265129	-103.4731903	20	18S	35E	Р	200S	660E	Lea	NM	BONE SPRING 2ND SAND	2014	6.6	196865	66738	4631	23	1790	1	116580	1298	189
RONHOUSE 19 STATE COM #003H	30-025-41050	32.7264977	-103.4941711	19	18S	35E	0	175S	1810E	Lea	NM	BONE SPRING 2ND SAND	2014	6.2	178457	56874	6125	22	1457	1	125412	845	849
HAMON STATE #001	30-025-03140	32.7175827	-103.4464035	27	18S	35E	K	2310S	2310W	LEA	NM	BONE SPRING			154510						96360	430	121
_EA 403 STATE #001	30-025-03126	32.7386093	-103.4518051	22	18S	35E	D	660N	660W	LEA	NM	BONE SPRING	1958	6.7	255451						156699	327	779
EA 403 STATE #001	30-025-03126	32.7386093	-103.4518051	22	18S	35E	D	660N	660W	LEA	NM	BONE SPRING			255451						156699	327	779
HAMON STATE #001	30-025-03140	32.7175827	-103.4464035	27	18S	35E	K	2310S	2310W	LEA	NM	BONE SPRING			154510						96360	430	121
SHOOTING STAR STATE SWD #001	30-025-29805	32.7594261	-103.4270935	11	18S	35E	J	1650S	2310E	LEA	NM	BONE SPRING									148248	244	650
STATE NPA #001	30-025-03156	32.6879654	-103.5031815	6	19S	35E	L	1980S	660W	LEA	NM	BONE SPRING			195200						118000	220	103
APPLESEED FEDERAL COM #001	30-025-20377	32.5750008	-103.4730377	17	20S	35E	Н	1980N	660E	LEA	NM	BONE SPRING			173141						93660	5174	791
ALPHABET AQR STATE #001	30-025-21342	32.4806519	-103.4940796	17	21S	34E	F	1980N	1980W	LEA	NM	BONE SPRING									95978	391	40
HUNT APO STATE #001	30-025-27135	32.5070038	-103.4812317	4	21S	34E	T	2310S	660W	LEA	NM	BONE SPRING									154965	146	350
SERRY APN STATE #001	30-025-27250	32.5060349	-103.4983444	5	21S	34E	L	1980S	660W	LEA	NM	BONE SPRING			128117						82351	567	172
L VINSON #001	30-025-03587	33.5251312	-103.237999	22	09S	36E	Α	660N	660E	Lea	NM	WOLFCAMP									66400	187	690
PHILLIPS STATE #001	30-025-03659	33.3458824	-103.2939529	22	118	36E	N	660S	1980W	LEA	NM	WOLFCAMP			78885						47400	354	875
STATE CA #001	30-025-03743	32.902153	-103.3229828	23	16S	36E	0	660S	1980E	LEA	NM	WOLFCAMP			167968						102800	61	623
SINCLAIR STATE #002	30-025-03123	32 7386246	-103.4561005	21	18S	35F	Α	660N	660F	IFA	NM	WOLFCAMP			60950						33568	1087	3049

Attachment 4

	Injection Formation Water Analysis														
Date TDS Chloride Bicarbonate														Sulfate	
Well Name	API	TVD ft)	Latitude	Longitude	Section	Township	Range	Unit	Formation	Sampled	PH	(Mg/L)	(MG/L)	(MG/L)	(MG/L)
BORDAGES #001	30-025-07707	8,268	32.6503105	-103.1374054	22	19S	38E	С	GRAYBURG/SAN ANDRES	Unknown	Unknown	36,794	19,180	641	3,283
BORDAGES #001	30-025-07707	8,268	32.6503105	-103.1374054	22	19S	38E	С	GRAYBURG/SAN ANDRES	Unknown	Unknown	135,439	84,420	746	1,436
BORDAGES #001	30-025-07707	8,268	32.6503105	-103.1374054	22	19S	38E	С	GRAYBURG/SAN ANDRES	Unknown	Unknown	139,766	83,600	396	5,280
BORDAGES #001	30-025-07707	8,268	32.6503105	-103.1374054	22	19S	38E	С	GRAYBURG/SAN ANDRES	Unknown	Unknown	142,865	89,070	546	2,022

Source: New Mexcio Tech; Go-Tech Produced Water Quality Data Search (https://gotech.nmt.edu/gotech/Water/producedwater.aspx)

Attachment 5





Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000

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



NMOSE Points of Diversion

- Active
- Pending
- O Changed Location of Well
- Inactive
- Capped
- Plugged
- Unknown

OPERATOR: SOLARIS WATER MIDSTREAM, LLC.



Released to Imaging: 9/29/2025 Q/02:/40PM

Rev: 0

			Water Well Sam	pling Table			
Water Well ID	OSE Status	Owner	Available Contact Information	Use	Latitude	Longitude	Notes
L 00299	Active	Dale L. Hoopes	P.o. Box 571 Jal, NM 88252	Irrigation	32.628445	-103.141812	
L 00561	Active	John T. Wilson	1201 West Van Buren Lovington, NM	Irrigation	32.620973	-103.144	
L 00561 POD10	Active	Jerry Winker	75 Paa Ko Drive Sandia Park, NM 87047	Irrigation	32.622111	-103.142859	
L 00561 POD3	Inactive	Mccasland Limited Partnership	Po Box 206 Eunice, NM 88231	Irrigation	32.622988	-103.137502	Not suitable for sampling based on status
L 00561 POD4	Active	John T. Wilson	1201 West Van Buren Lovington, NM	Irrigation	32.623019	-103.143917	
L 00561 POD5	Active	Mccasland Limited Partnership	Po Box 206 Eunice, NM 88231	Irrigation	32.621216	-103.135386	
L 00561 POD6	Active	Mccasland Limited Partnership	Po Box 206 Eunice, NM 88231	Irrigation	32.621216	-103.135386	
L 00561 POD8	Active	Susan Schmitt	1837 Chama Hobbs, NM 88240	Irrigation	32.621185	-103.141823	
L 00561 POD9	Inactive	H.b. Yarbro	314 E. Byres Hobbs, NM	Agriculture	32.621216	-103.13967	Not suitable for sampling based on status
L 00996 POD1	Active	Wilder Porter	Box 733 Hobbs, NM	Domestic	32.622988	-103.137502	
L 01372	Active	Chris Furnneaux	301 Rainbow Drive Hobbs, NM	Livestock Watering	32.627526	-103.157828	Sample collected 12-05-2024
L 01373	N/A	Chris Furneaux	301 Rainbow Drive Hobbs, NM	Livestock Watering	32.627526	-103.149249	Not suitable for sampling based on status
L 01375	Pending	Chris Furneaux	301 Rainbow Drive Hobbs, NM	Livestock Watering	32.613006	-103.166438	
L 01687 POD1	Active	E L Curry	Star Route A Hobbs, NM	Domestic	32.622988	-103.137502	
L 02067	N/A	A.h. Hughes	Hobbs, NM	Domestic	32.608459	-103.163259	Not suitable for sampling based on status
L 02514	Pending	D J Youngblood	413 N Cecil, NM	Domestic	32.623019	-103.139633	
L 02829	Active	Sherman Smith	Star Route A Hobbs, NM	Domestic	32.622988	-103.141786	
L 02978	Active	A W Buschman	Star Route A Hobbs, NM	Domestic	32.619385	-103.139644	
L 04791	Plugged	Noble Drilling Corp	Drawer 550 Midland, TX 79705	Prospecting	32.631088	-103.153471	Not suitable for sampling based on status
L 05877	Active	Johnny Brice	1128 Princess Jeanne Hobbs, NM 88240	Domestic	32.629371	-103.147132	
L 06835	Active	Myrtle Payton	Star Rt A Box 39 Hobbs, NM 88240	Domestic	32.608508	-103.139656	
L 10425	Active	Kathie Jennings	Box 833 Eunice, NM 88231	Multiple Domestic	32.617582	-103.139681	
L 11713 POD1	Active	Mcneill Ranch	P.o. Box 1092 Hobbs, NM 88241	Livestock Watering	32.606334	-103.161333	Sample collected 01-30-2025
L 12343 POD1	Active	Jose Hernandez	1014 N. Pecan Hobbs, NM 88240	Domestic	32.620389	-103.140777	
L 12364 POD1	N/A	Mcneill Ranch	P.o. Box 1092 Hobbs, NM 88241	Domestic	32.629597	-103.154889	Not suitable for sampling based on status
L 12364 POD2	Pending	Mcneill Ranch	P.o. Box 1092 Hobbs, NM 88241	Domestic	32.626952	-103.158417	_
L 12364 POD3	N/A	Mcneill Ranch	P.o. Box 1092 Hobbs, NM 88241	Domestic	32.630833	-103.15405	Not suitable for sampling based on status
L 13769 POD1	Active	Manuel Mata	Po Box 1263 Hobbs, NM 882411263	Domestic	32.626389	-103.143334	_
L 13769 POD1	Active	Manuel Mata	Po Box 1263 Hobbs, NM 882411263	Domestic	32.626389	-103.143334	



December 17, 2024

CHAD GALLAGHER
ARIS WATER SOLUTIONS
9811 KATY FWY
HOUSTON, TX 77024

RE: MC NEIL SWD

Enclosed are the results of analyses for samples received by the laboratory on 12/05/24 14:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ARIS WATER SOLUTIONS 9811 KATY FWY HOUSTON TX, 77024 Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER

Reported: 17-Dec-24 12:13

Fax To: NA

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
L - 01372	H247409-01	Water	05-Dec-24 00:00	05-Dec-24 14:41
L - 10466	H247409-02	Water	05-Dec-24 00:00	05-Dec-24 14:41
L - 08446	H247409-03	Water	05-Dec-24 00:00	05-Dec-24 14:41

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ARIS WATER SOLUTIONS 9811 KATY FWY HOUSTON TX, 77024 Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER

17-Dec-24 12:13

Reported:

Fax To: NA

L - 01372

H247409-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardi	nal Laborato	ries					
Inorganic Compounds										
Alkalinity, Bicarbonate	244		5.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Chloride*	64.0		4.00	mg/L	1	4120519	CT	05-Dec-24	4500-Cl-B	
Conductivity*	784		1.00	umhos/cm @ 25°C	1	4120521	AC	05-Dec-24	120.1	
pH*	6.64		0.100	pH Units	1	4120510	AC	05-Dec-24	150.1	
Temperature °C	19.6			pH Units	1	4120510	AC	05-Dec-24	150.1	
Resistivity	12.8			Ohms/m	1	4120521	AC	05-Dec-24	120.1	
Sulfate*	107		25.0	mg/L	2.5	4120614	HM	06-Dec-24	375.4	
TDS*	520		5.00	mg/L	1	4120515	HM	06-Dec-24	160.1	
Alkalinity, Total*	200		4.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
TSS*	<2.00		2.00	mg/L	1	4120522	AC	06-Dec-24	160.2	

Green Analytical Laboratories

Total Recoverable Metals by IC	P (E200.7)									
Barium*	0.046	0.008	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	J
Calcium*	79.6	0.115	0.200	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Hardness as CaCO3	256		0.911	mg/L	1	[CALC]	AWG	12-Dec-24	2340 B	
Iron*	0.037	0.026	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	J
Magnesium*	14.0	0.038	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Potassium*	2.98	0.106	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Sodium*	63.8	0.254	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Strontium*	0.809	0.014	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ARIS WATER SOLUTIONS 9811 KATY FWY HOUSTON TX, 77024 Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER

Reported: 17-Dec-24 12:13

Fax To: NA

L - 10466 H247409-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardi	nal Laborato	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	210		5.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Chloride*	56.0		4.00	mg/L	1	4120519	CT	05-Dec-24	4500-Cl-B	
Conductivity*	627		1.00	umhos/cm @ 25°C	1	4120521	AC	05-Dec-24	120.1	
pH*	6.82		0.100	pH Units	1	4120510	AC	05-Dec-24	150.1	
Temperature °C	19.4			pH Units	1	4120510	AC	05-Dec-24	150.1	
Resistivity	15.9			Ohms/m	1	4120521	AC	05-Dec-24	120.1	
Sulfate*	95.8		25.0	mg/L	2.5	4120614	HM	06-Dec-24	375.4	
TDS*	430		5.00	mg/L	1	4120515	HM	06-Dec-24	160.1	
Alkalinity, Total*	172		4.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
TSS*	<2.00		2.00	mg/L	1	4120522	AC	06-Dec-24	160.2	

Green Analytical Laboratories

Total Recoverable Metals by I	CP (E200.7)									
Barium*	0.035	0.008	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	J
Calcium*	56.0	0.115	0.200	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Hardness as CaCO3	200		0.911	mg/L	1	[CALC]	AWG	12-Dec-24	2340 B	
Iron*	0.046	0.026	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	J
Magnesium*	14.7	0.038	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Potassium*	2.48	0.106	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Sodium*	51.9	0.254	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Strontium*	0.711	0.014	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	

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Celey D. Keene



Analytical Results For:

ARIS WATER SOLUTIONS 9811 KATY FWY HOUSTON TX, 77024 Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER

Reported: 17-Dec-24 12:13

Fax To: NA

L - 08446 H247409-03 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardi	inal Laborato	ories					
Inorganic Compounds										
Alkalinity, Bicarbonate	234		5.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
Chloride*	60.0		4.00	mg/L	1	4120519	CT	05-Dec-24	4500-Cl-B	
Conductivity*	707		1.00	umhos/cm @ 25°C	1	4120521	AC	05-Dec-24	120.1	
pH*	6.70		0.100	pH Units	1	4120510	AC	05-Dec-24	150.1	
Temperature °C	19.4			pH Units	1	4120510	AC	05-Dec-24	150.1	
Resistivity	14.1			Ohms/m	1	4120521	AC	05-Dec-24	120.1	
Sulfate*	84.8		25.0	mg/L	2.5	4120614	HM	06-Dec-24	375.4	
TDS*	482		5.00	mg/L	1	4120515	HM	09-Dec-24	160.1	
Alkalinity, Total*	192		4.00	mg/L	1	4120601	AC	06-Dec-24	310.1	
TSS*	<2.00		2.00	mg/L	1	4120522	AC	06-Dec-24	160.2	

Green Analytical Laboratories

Total Recoverable Metals by I	CP (E200.7)									
Barium*	0.041	0.008	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Calcium*	64.8	0.115	0.200	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Hardness as CaCO3	213		0.911	mg/L	1	[CALC]	AWG	12-Dec-24	2340 B	
Iron*	< 0.026	0.026	0.050	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Magnesium*	12.4	0.038	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Potassium*	2.04	0.106	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Sodium*	63.2	0.254	1.00	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	
Strontium*	0.652	0.014	0.100	mg/L	1	B243628	AWG	12-Dec-24	EPA 200.7	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ARIS WATER SOLUTIONS 9811 KATY FWY HOUSTON TX, 77024 Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER

17-Dec-24 12:13

Reported:

Fax To: NA

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120510 - General Prep - Wet Chem										
LCS (4120510-BS1)				Prepared &	Analyzed:	05-Dec-24				
pH	6.88		pH Units	7.00		98.3	90-110			
Duplicate (4120510-DUP1)	Sou	rce: H247397	-01	Prepared &	Analyzed:	05-Dec-24				
pH	7.19	0.100	pH Units		7.15			0.558	20	
Temperature °C	20.4		pH Units		20.4			0.00	200	
Batch 4120515 - Filtration										
Blank (4120515-BLK1)			Prepared:	10-Dec-24 A	Analyzed: 1					
TDS	ND	5.00	mg/L							
LCS (4120515-BS1)				Prepared: 05-Dec-24 Analyzed: 06-Dec-24						
TDS	804		mg/L	1000		80.4	80-120			
Duplicate (4120515-DUP1)	Sou	rce: H247395	-01	Prepared: ()6-Dec-24 A	Analyzed: 0				
TDS	1280	5.00	mg/L		1250			2.76	20	
Batch 4120519 - General Prep - Wet Chem										
Blank (4120519-BLK1)				Prepared &	Analyzed:					
Chloride	ND	4.00	mg/L							
LCS (4120519-BS1)				Prepared &	z Analyzed:	05-Dec-24				
Chloride	116	4.00	mg/L	100		116	80-120			
LCS Dup (4120519-BSD1)				Prepared &	Analyzed:	05-Dec-24				
Chloride	112	4.00	mg/L	100	•	112	80-120	3.51	20	

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Celey D. Keene



Analytical Results For:

ARIS WATER SOLUTIONS 9811 KATY FWY HOUSTON TX, 77024 Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER

Reported: 17-Dec-24 12:13

Fax To: NA

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4120521 - General Prep - Wet Chem										
LCS (4120521-BS1)				Prepared &	Analyzed:	05-Dec-24				
Conductivity	473		uS/cm	500		94.6	80-120			
Duplicate (4120521-DUP1)	Sou	rce: H247409	-01	Prepared &	Analyzed:	05-Dec-24				
Conductivity	788	1.00 u	mhos/cm @ 25°C		784			0.509	20	
Resistivity	12.7		Ohms/m		12.8			0.509	20	
Batch 4120522 - Filtration										
Blank (4120522-BLK1)				Prepared: ()5-Dec-24 A	Analyzed: 0	6-Dec-24			
TSS	ND	2.00	mg/L							
LCS (4120522-BS1)				Prepared: (5-Dec-24 A	Analyzed: 0	6-Dec-24			
TSS	96.0		mg/L	100		96.0	80-120			
Duplicate (4120522-DUP1)	Sou	rce: H247340-	-04	Prepared: (5-Dec-24 A	Analyzed: 0	6-Dec-24			
TSS	5.00	2.00	mg/L		5.40			7.69	52.7	
Batch 4120601 - General Prep - Wet Chem										
Blank (4120601-BLK1)				Prepared &	Analyzed:	06-Dec-24				
Alkalinity, Carbonate	ND	1.00	mg/L							
Alkalinity, Bicarbonate	5.00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							
LCS (4120601-BS1)				Prepared &	Analyzed:	06-Dec-24				
Alkalinity, Carbonate	ND	2.50	mg/L				80-120			
Alkalinity, Bicarbonate	318	12.5	mg/L				80-120			
Alkalinity, Total	260	10.0	mg/L	250		104	80-120			

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



%PEC

Analytical Results For:

ARIS WATER SOLUTIONS 9811 KATY FWY HOUSTON TX, 77024 Project: MC NEIL SWD
Project Number: NONE GIVEN
Project Manager: CHAD GALLAGHER

Snika

Reported: 17-Dec-24 12:13

Fax To: NA

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4120601 - General Prep - Wet Che	m									
LCS Dup (4120601-BSD1)				Prepared &	Analyzed:	06-Dec-24				
Alkalinity, Carbonate	ND	2.50	mg/L				80-120		20	
Alkalinity, Bicarbonate	330	12.5	mg/L				80-120	3.86	20	
Alkalinity, Total	270	10.0	mg/L	250		108	80-120	3.77	20	
Batch 4120614 - General Prep - Wet Chell Blank (4120614-BLK1)	m			Prepared &	z Analyzed:	06-Dec-24				
Sulfate	ND	10.0	mg/L							
LCS (4120614-BS1)				Prepared &	z Analyzed:	06-Dec-24				
Sulfate	16.1	10.0	mg/L	20.0		80.4	80-120			
LCS Dup (4120614-BSD1)				Prepared &	z Analyzed:	06-Dec-24				

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ARIS WATER SOLUTIONS 9811 KATY FWY HOUSTON TX, 77024

Project: MC NEIL SWD Project Number: NONE GIVEN

Project Manager: CHAD GALLAGHER

Fax To: NA

17-Dec-24 12:13

Reported:

Total Recoverable Metals by ICP (E200.7) - Quality Control

Green Analytical Laboratories

		Reporting		Spike	Source		%REC		RPD	ļ
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

|--|

Blank (B243628-BLK1)				Prepared: 11-De	c-24 Analyzed: 1	2-Dec-24			
Magnesium	ND	0.100	mg/L						
Barium	ND	0.050	mg/L						
Strontium	ND	0.100	mg/L						
Calcium	ND	0.200	mg/L						
Sodium	ND	1.00	mg/L						
Iron	ND	0.050	mg/L						
Potassium	ND	1.00	mg/L						
LCS (B243628-BS1)				Prepared: 11-De	c-24 Analyzed: 1	2-Dec-24			
Strontium	1.95	0.100	mg/L	2.00	97.6	85-115			
Sodium	1.60	1.00	mg/L	1.62	99.1	85-115			
Potassium	3.95	1.00	mg/L	4.00	98.9	85-115			
Magnesium	10.0	0.100	mg/L	10.0	100	85-115			
Iron	2.00	0.050	mg/L	2.00	100	85-115			
Calcium	1.97	0.200	mg/L	2.00	98.6	85-115			
Barium	0.972	0.050	mg/L	1.00	97.2	85-115			
LCS Dup (B243628-BSD1)				Prepared: 11-De	c-24 Analyzed: 1	2-Dec-24			
Magnesium	10.1	0.100	mg/L	10.0	101	85-115	1.10	20	
Strontium	1.95	0.100	mg/L	2.00	97.5	85-115	0.0861	20	
Potassium	3.98	1.00	mg/L	4.00	99.6	85-115	0.722	20	
Calcium	1.98	0.200	mg/L	2.00	99.0	85-115	0.389	20	
Sodium	1.61	1.00	mg/L	1.62	99.2	85-115	0.151	20	
Barium	0.976	0.050	mg/L	1.00	97.6	85-115	0.376	20	
Iron	2.01	0.050	mg/L	2.00	100	85-115	0.193	20	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

-		
	Detected but below the Reporting Limit: therefore, result is an estimated concentration (CLP J-Flag)	١.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Refinquished By

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °C Corrected Temp. °C

Sample Condition
Cool Intact

Yes Yes
No No

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp
Yes Yes
No Orrected Temp

Observed Temp. °C Corrected Temp. °C

* Customer requested added analy

Time:

Received By

Received By:

All Results are emailed. Please provide Email address:

ON O

Add'l Phone #:

6 acis mater. COM

Relinquished By

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Company Name: ARIS WATER L SULARIS	VEIS)	BILL TO	ANALYSIS REQUEST
Project Manager: CHAO CALIACHER		P.O. #:	Sces
Address: 3305 BOYO OR		Company: ARIS WATER	Tru.
City: CARISBAD State:NM z	Zip: 88220	Attn: CHAD GALLASUM	- Review
Phone #: (575) 444-97-86 Fax #:		Address:	<u> </u>
Project #: Hatter Suff Project Owner: ARIS		City:	é q
me: MCNEIL SW		State: Zip:	A
Project Location: HOBBS		Phone #: 575 444-9786	y
Sampler Name:		Fax #:	T
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Sample I.D.		BASE:	TAL TIONS 110NS SISTIN
POPLHEH	# CON GROU WAST SOIL OIL SLUDO	ACID/E ICE / C OTHER	CA AN RE
7-01372	-	12-5-24	
1			
31-08446			

Thermometer ID #140 Correction Factor -0.6°C

Attachment 6



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

> Re: Geology Statement Solaris Water Midstream, LLC MD NM L5 S33 SWD #1 Section 33, T. 19S, R. 38E 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

Patrick Ryr

Attachment 7

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Andy Brosig, Editor 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 October 31, 2024 and ending with the issue dated October 31, 2024.

Editor

Sworn and subscribed to before me this 31st day of October 2024.

Business Manager

My commission expires

(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 October 31, 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 OII Conservation Division seeking administrative approval for commercial saltwater injection into its MD NM L5 S33 SWD #1. This will be a new well located 2,463' FNL & 1,965' FEL in Section 33 Township 19S Range 38E in Lea County, NM, which is approximately 5,8 miles South of Hobbs, 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 San Andres & Glorieta formations at depths of 4,322' – 5,844' at a maximum surface injection pressure of 864 psi and a maximum injection rate of 25,000 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.

67117907

00295594

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					
Solaris Water Midstream LLC	9651 Katy Fwy Ste 400 Houston, TX 77024-1590	09/26/2025				
OCD District Office						
OCD – District 1	1625 N. French Drive Hobbs, NM 88240	09/26/2025				
Applicable Mineral Owners						
None N/A N/A						
Leaseholders within 1-Mile AOR						
Riley Exploration Oper. Co., LLC	2008 N Council Blanchard, OK 73010	09/26/2025				
L E Jones Operating, Inc	P.O. Box 1185 Duncan, OK 73534	09/26/2025				
Leonard Resources	P.O. Box 3422 Midland, TX 79702	09/26/2025				
	Well Operators within AOR					
L E Jones Operating, Inc	P.O. Box 1185 Duncan, OK 73534	09/26/2025				

Place label at top of the center of the

envelope and fold at dotted line.

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



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Solaris Water Midstream LLC 9651 Katy Fwy Ste 400 Houston TX 77024-1590

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

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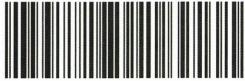
9407 1119 9956 1959 7644 94

OCD - DISTRICT 1 1625 N French Dr Hobbs NM 88240-9273 Nathan Alleman Ace Energy Advisors 501 Se Fph Blvd Ste 201 BARTLESVILLE OK 74003-3931

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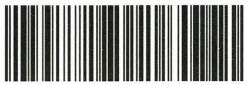
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Sante Fe Main Office Phone: (505) 476-3441

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 509843

CONDITIONS

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC	371643
9651 Katy Fwy	Action Number:
Houston, TX 77024	509843
	Action Type:
	[C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
erica.gordar	None	9/29/2025