

May 13, 2025

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

Solaris Water Midstream, LLC Subject:

Powderhorn SWD #1 C-108 (pMSG2436445229) - Supplemental Information

OCD Director,

In response to discussions with an Affected Party and consultation with the Oil Conservation Division (OCD), Solaris Water Midstream, LLC (Solaris) is revising the surface hole location of their recently proposed Powderhorn SWD #1 (pMSG2436445229) and is submitting the attached materials as Supplemental Information to the original application.

For this minor location revision, a new Area of Review (AOR) evaluation was performed and it was determined that no wells penetrate the injection interval within ½-mile. Additionally, an Affected Party search was conducted and no new Affected Parties were identified based on the new location. Per OCD's request, all Affected Parties have been re-notified of the application to ensure they are aware of the revised location. Documentation of the AOR evaluation, Affected Party search, Affected Party notification, and other pertinent information is attached for OCD's review and consideration.

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

Sincerely,

Nate Alleman

Chief Regulatory Advisor

Ace Energy Advisors

Supplemental Information

Operator: Solaris Water Midstream, LLC

Lease/Well Name & Number: Powderhorn SWD #1

County: Lea County, NM

Pertinent information associated with the updated surface hole location has been included below for review and comparison to the original application. In the table below, items that have changed based on the change in surface hole location have been highlighted in yellow for ease of comparison.

This supplemental information includes only those pieces of information that have been revised (or we wanted to specifically clarify have not been revised) based on the minor change in surface hole location. All other information included in the original application that is not addressed in this supplemental submittal remains unchanged.

Note: although there have been a couple changes to the casing depths based on differences in geology between the original and updated location, the updated injection interval does not extend outside the top or bottom of the originally proposed injection interval and the total depth of the well is the same as in the original application/location.

	Item	Original	Updated
		Location Data	-
Foo	otage Calls	558' FSL & 315' FEL	1,982' FSL & 363' FEL
STF	₹	Unit P – Section 1 T25S R34E	Unit I – Section 1 T25S R34E
Cod	ordinates (NAD 83)	32.15373969, -103.41615936	32.15765419, -103.41631825
		Casing Data	
	Hole Size (in)	24	24
ø)	Casing Size (in)	20	20
Surface	Casing Depth (ft)	923	<mark>925</mark>
Ę	Sacks Cement (sx)	915	915
S	Top of Cement (ft)	0	0
	Method Determined	Circulation	Circulation
4	Hole Size (in)	17-1/2	17-1/2
ntermediate	Casing Size (in)	13-3/8	13-3/8
eq	Casing Depth (ft)	5,537	<mark>5,558</mark>
Ē	Sacks Cement (sx)	2,445	2,445
nte	Top of Cement (ft)	0	0
	Method Determined	Circulation	Circulation
	Hole Size (in)	12-1/4	12-1/4
Production	Casing Size (in)	9-5/8	9-5/8
cti	Casing Depth (ft)	8,143	8,143
bg	Sacks Cement (sx)	1,580	1,580
P.	Top of Cement (ft)	0	0
	Method Determined	Circulation	Circulation
	Tubing	7" fiberglass-coated tubing set at 5,544'	7" fiberglass-coated tubing set at 5,567'
	Packer	Arrowset AS-1X Retrievable Packer (or	Arrowset AS-1X Retrievable Packer (or
	r acker	equivalent) set at 5,544'	equivalent) set at <mark>5,567'</mark>
		Injection Formation Data	
	ction Formation Name	Bell Canyon & Cherry Canyon	Bell Canyon & Cherry Canyon
Pool Name		SWD; Delaware	SWD; Delaware
Pool Code Injection Interval Depths		96100	96100
		5,594' - 8,093'	<mark>5,617'</mark> - 8,093'
		Operational Data	
	posed Max. Injection Rate	20,000 BWPD	20,000 BWPD
	posed Avg. Injection Rate	15,000 BWPD	15,000 BWPD
	posed Max. Injection Press.	1,118 psi (surface)	<mark>1,123 psi</mark> (surface)
Pro	posed Avg. Injection Press.	800 psi (surface)	800 psi (surface)

Area of Review

No wells penetrate the top of the injection interval within the updated ½-mile AOR. However, there are 16 wells whose surface location (and the vertical portion of the wellbore) are outside of the ½-mile AOR, but their horizontal wellbore (or proposed horizontal wellbore) passes within the ½-mile AOR. For these 16 wells, the existing or proposed horizontal wellbore is within the Bone Spring or Wolfcamp formations, which are located well below the proposed injection interval.

Therefore, no wells penetrate the injection interval within the ½-mile AOR. A map and table with details of the AOR is included as an Attachment.

Groundwater Wells

The water wells within the 1-mile water well radius are unchanged from the original application. A summary of the water wells and their sampling status is included below and a map and table with details of the water wells within 1-mile are attached.

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, while the other is not expected to be a sampling candidate based on its listed use. 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.

Affected Parties

<u>There are no new Affected Parties associated with the updated location</u>. Updated maps showing the leaseholder, surface ownership, and mineral ownership in the area are included in the attachments.

A Statement of Notice is attached which lists the Affected Parties, the date notice was sent for the original application, and date that notice was sent to notify them of the updated surface hole location.

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
G 1 1	☐ Initial Submittal
Submittal Type:	☐ Amended Report
71	☐ As Drilled

					WELL LOCAT	TION INFORMATION				
API Nu	mber		Pool Code	9610	0	Pool Name SWI	D; Delaware			
Propert	y Code		Property Na	me PC	WDERHO	PRN SWD Well Number #1				
OGRID No. 331374 Operator Name SOLARIS						ATER MIDSTR	rel Elevation 3380'			
Surface	Owner: 🗆 S	State 🗆 Fee 🗆	Tribal Fede	eral		Mineral Owner:	State Fee Tribal	☐ Federal		
					Surf	ace Location				
UL 	Section 1	Township 25-S	Range 34-E	Lot	Ft. from N/S 1,982 FS	Ft. from E/W 363 FEL	Latitude 32.15765419° N	Longitude 103.41631825° W	County LEA	
	•	•	•		Bottom	Hole Location	•			
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
	•	•	•				•			
Dedicated Acres Infill or Defining Well			Defining	ing Well API Overlapping Spacing Unit (Y/N) Consolid			lation Code			
Order N	Numbers.	l		l .		Well setbacks are under Common Ownership: □Yes □No				
					Kick O	off Point (KOP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
	<u> </u>				First Ta	ake Point (FTP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
	1	I	I		Last Ta	ake Point (LTP)				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County	
		l .			I	-				
Unitized Area or Area of Uniform Interest Spacing Unit Type ☐ Horiz					Unit Type □ Horiz	zontal Vertical	Ground Floor I	Elevation:		
0.000	TOP	TO A TOTAL OF					ra i myonya			
		FICATIONS			alata ta the least of	SURVEYOR CERTIF				
		e information cont ef, and, if the well			plete to the best of cell, that this		well location shown on this ader my supervision, and tho			

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.

 ${\it If this well is a horizontal well, I further certify that this organization has received the}\\$ 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.

02-11-2025

Nathan Alleman

Printed Name

nate.alleman@aceadvisors.com

Email Address

my belief.

Signature and Seal of Professional Surveyor

Certificate Number

Date of Survey

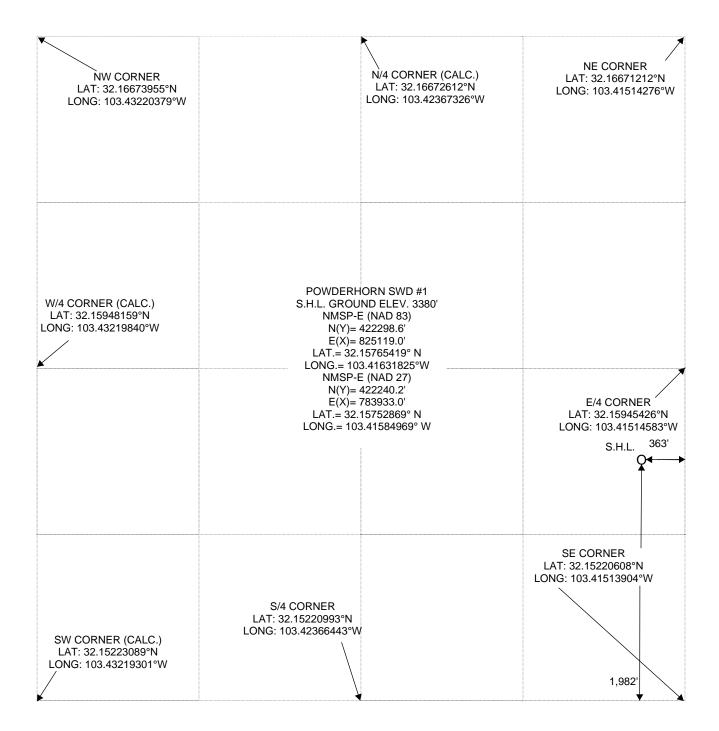
24876

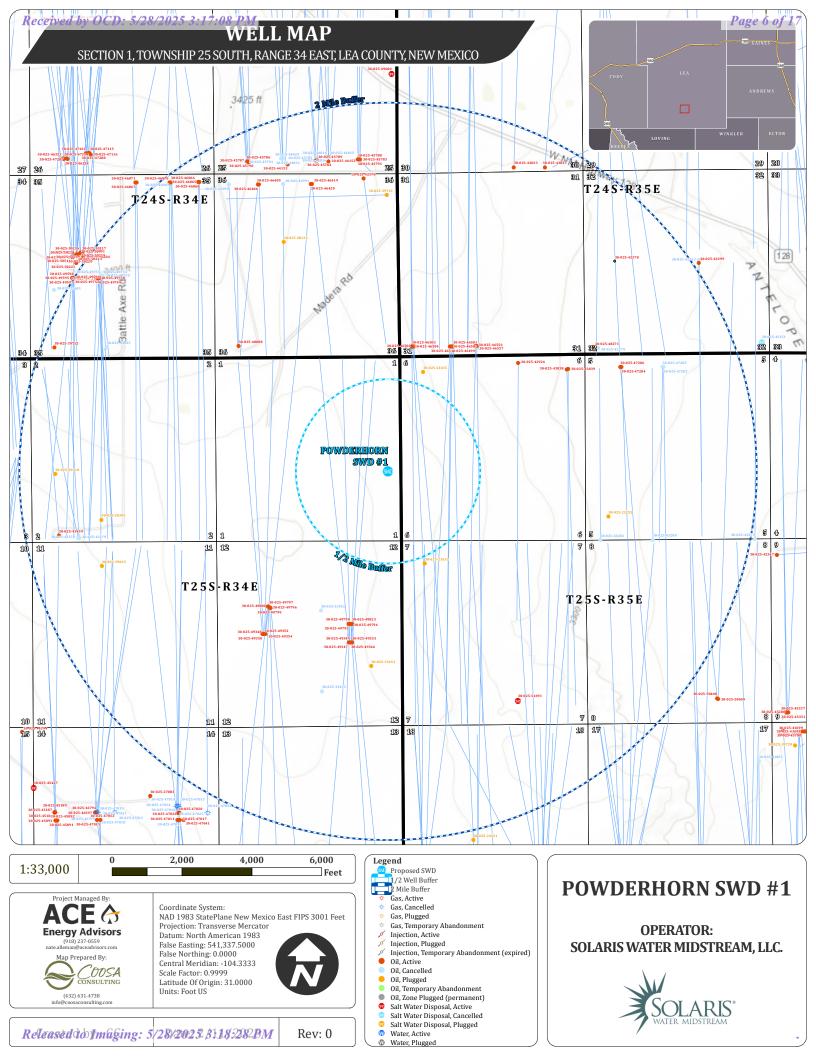
1-31-2025

TOS/ONAL SURVE

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.





0.5-mile Well List (Top of Injection Interval: 5,617')								
Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
N/A								
Notes:						<u> </u>		

⁻ No well penetrate the injection interval within the AOR.

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

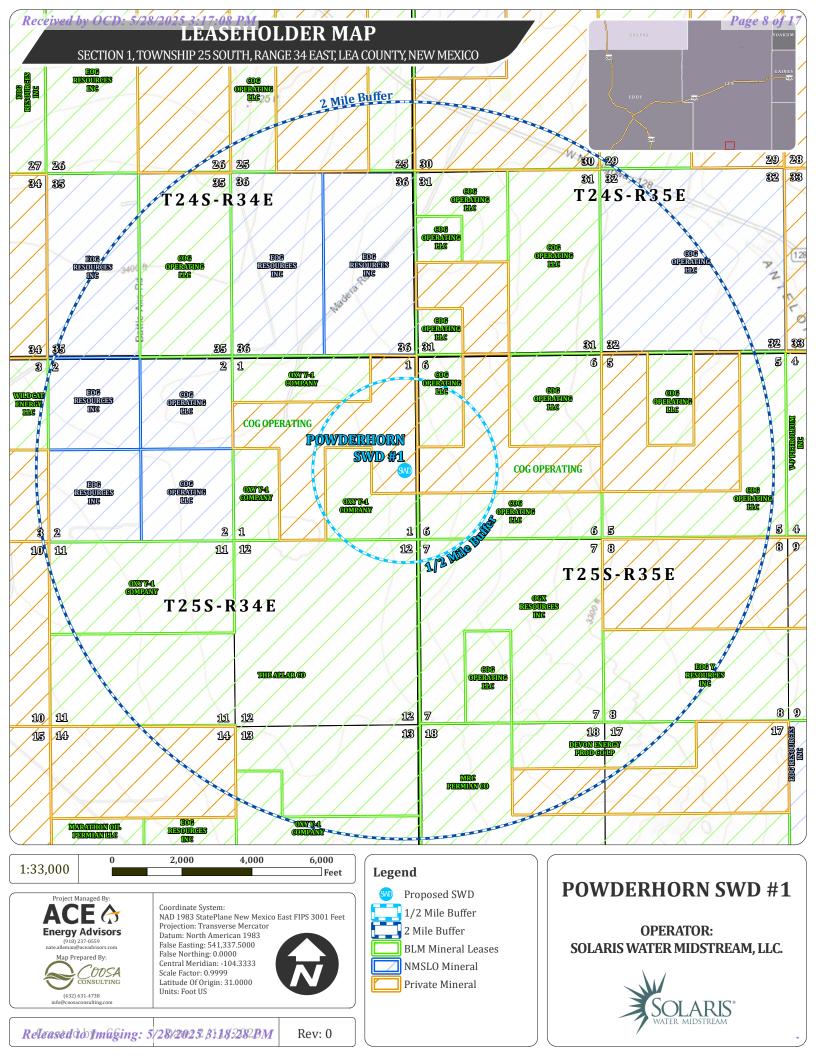
Well Name	API#	Well Type	Operator	Field	Status	TVD
BIGGERS FEDERAL COM - 221H	30-025-52872	OIL	Matador Resources	WILDCAT-025 G-09 S243532M; Wolfbone	Permitted	13,085
BIGGERS FEDERAL COM - 121H	30-025-52870	OIL	Matador Resources**	WILDCAT-025 G-08 S253534O; Bone Spring	DUC	11,153
BIGGERS FEDERAL COM - 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	30-025-46500	OIL	ConocoPhillips**	WILDCAT-025 G-09 S243532M; Wolfbone	Active	12,915

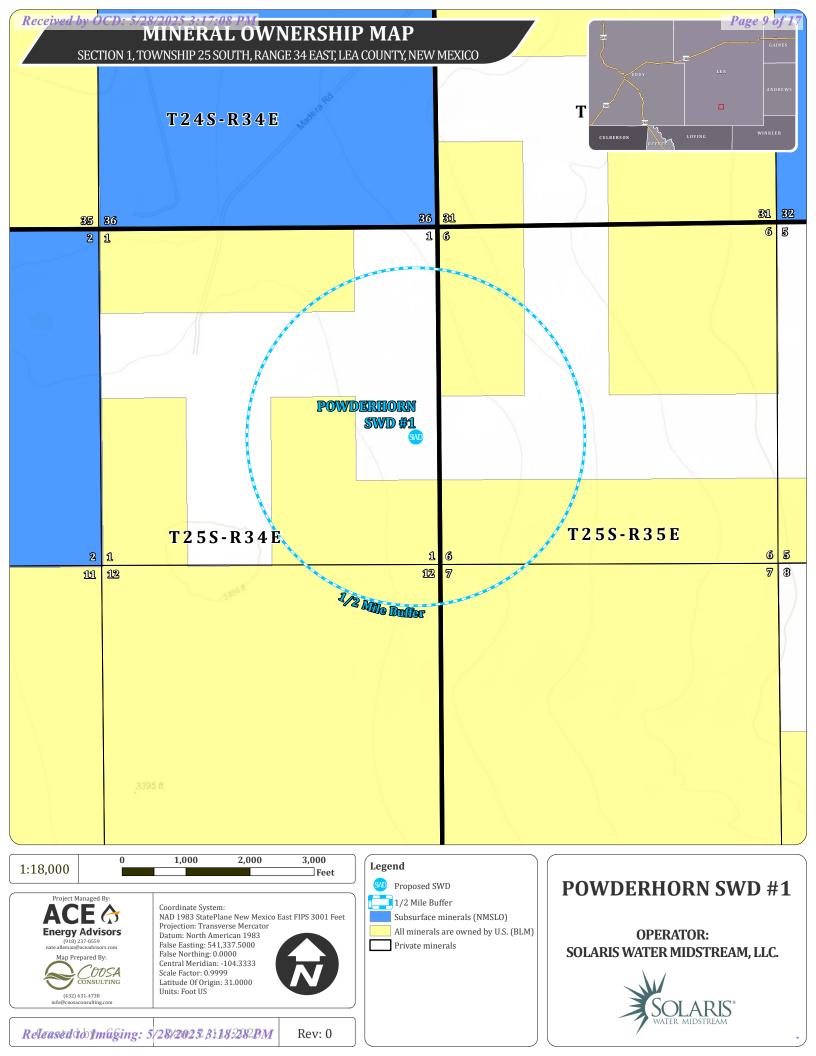
Ten (10) drilled, horizontal wellbores intersect the AOR radius but do not penetrate the injection interval within the AOR.

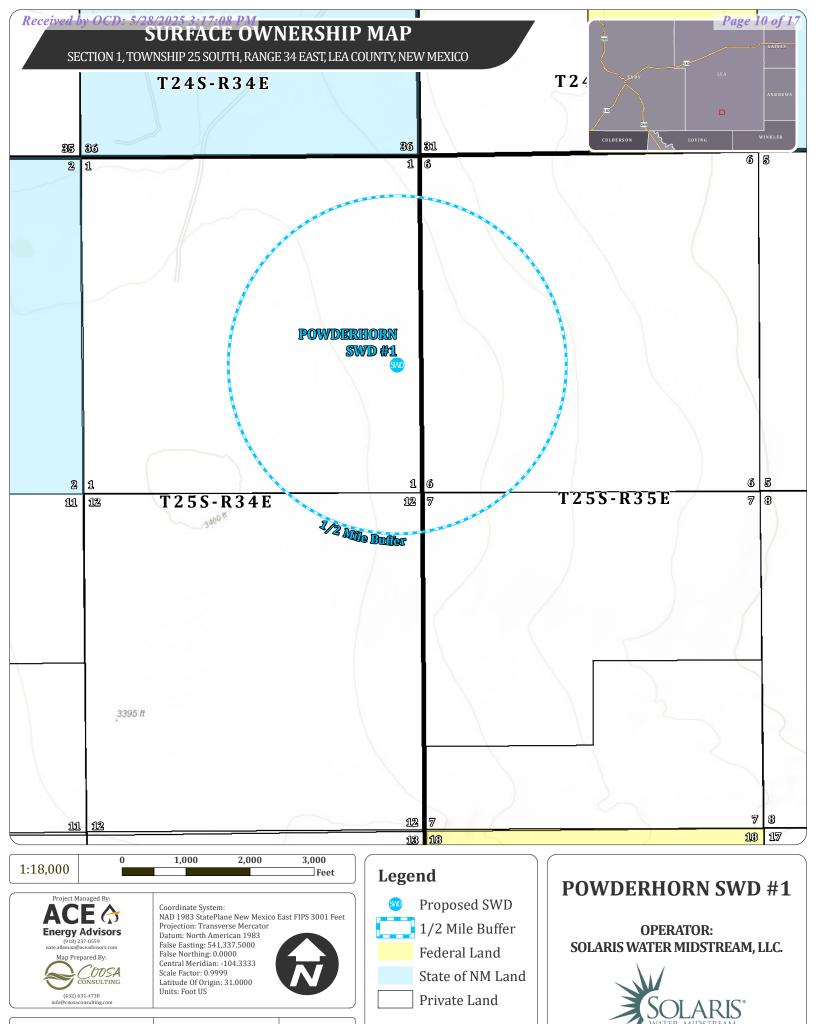
*** Operator of active, drilled well within AOR and will receive notification of this application.

Penetrating Well Casing and Cement Details								
Well Name	API#	Type	Hole	Size	Depth	Sacks	TOC	Method
N/A								

Plugged Penetrating Wells							
API#	Perfs		Casing Pulled	Plugs			
N/A							







Released do Imaging: 5/28/2023 \$1182282BM

Rev: 0





1 Mile Buffer **NMOSE Points of Diversion** Active Pending

Changed Location of Well Inactive 0 Capped

Plugged

Unknown

OPERATOR: SOLARIS WATER MIDSTREAM, LLC.



Rev: 0

Received by OCD: 5/28/2025 3:17:08 PM

	Water Well Sampling Table								
Water Well ID	OSE Status	Owner	Available Contact Information	Purpose/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.		
CP-01119-POD3	Permit	Tom Cope	Intercontinental Potash Corp. 600 West Bender Blvd Hobbs, NM 88240	Exploration	32.1683	-103.4132	Not sampling candidate due to purpose being for "Exploration".		
Note: We are curr	Note: We are currently attempting to contact owners of potential water well sampling candidates to collect samples. Analyses of any collected samples will be submitted to OCD upon receipt from the lab.								

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	C-108 Mailing Date	Supplement Mailing Date							
	Site Surface Owner									
Quail Ranch, LLC	600 W. Illinois Avenue Midland, TX 79701	11/27/2024	05/13/2025							
Applicable Mineral Owners										
Bureau of Land Management	Oil and Gas Division 620 E Greene St. Carlsbad, NM 88220	11/27/2024	05/13/2025							
	OCD District Office									
OCD - District 1	1625 N. French Drive Hobbs, NM 88240	11/27/2024	05/13/2025							
	Leaseholders within 0.5-mile AOR									
COG Operating, LLC	600 W Illinois Ave Midland, TX 79701	11/27/2024	05/13/2025							
OXY Y-1 Company	726 E Michigan, Ste 330 Hobbs, NM 88240	11/27/2024	05/13/2025							
OGX Resources	P.O. Box 11148 Midland, TX 79702	11/27/2024	05/13/2025							
The Allar Co.	206 S Coronado Ave, Espanola, NM 87532	11/27/2024	05/13/2025							
	Well Operators within AOR									
Matador Resources	5400 LBJ Freeway, Ste 1500 Dallas, TX 75240	11/27/2024	05/13/2025							
ConocoPhillips	600 W Illinois Ave Midland, TX 79701	11/27/2024	05/13/2025							

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

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Quail Ranch, LLC 600 W Illinois Ave Midland TX 79701-4882

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Bureau of Land Management 620 E Greene St Carlsbad NM 88220-6292

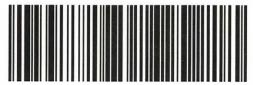
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OGX Resources PO Box 11148 Midland TX 79702-8148

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9407 1118 9956 0290 2831 69

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®JIAM DAILIED MAIL®

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 468320

CONDITIONS

Operator:	OGRID:
NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE	264235
1220 S St Francis Dr	Action Number:
Santa Fe , NM 87504	468320
	Action Type:
	[IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

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