STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

APPLICATION OF PILOT WATER SOLUTIONS SWD, LLC FOR SALT WATER DISPOSAL IN LEA COUNTY, NEW MEXICO

CASE NO.	
01101	

APPLICATION FOR SALT WATER DISPOSAL

PILOT WATER SOLUTIONS SWD, LLC, by and through its undersigned attorney, applies for an order approving a salt water disposal well, and in support thereof, states:

- 1. Applicant seeks an order for a salt water disposal well for its Toretta State SWD #1, (Pool Code 96121) to be drilled at a location 545 FNL and 2510 FEL, Unit B, Section 17, Township 19 South, Range 37 East, N.M.P.M., Lea County, New Mexico.
- 2. Applicant proposes to set a packer at 4,183' feet below the surface of the earth and then inject into the San Andres formation at depths between 4,183' through 5,484' open hole, as stated in the attached C-108.
 - 3. Attached hereto as Exhibit A is the C-108 for the subject well.
- 4. The granting of this application will prevent waste and protect correlative rights.

WHEREFORE, Applicant requests that, after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

PADILLA LAW FIRM, P.A.

/s/ Ernest L. Padilla

Ernest L. Padilla Attorney for Pilot Water Solutions PO Box 2523 Santa Fe, New Mexico 87504 505-988-7577 padillalawnm@outlook.com

Released to Imaging: 11/7/2023 1:18:26 PM



August 23, 2023

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

Subject: Pilot Water Solutions SWD LLC

Application for Authorization to Inject

Toretta SWD State #1

Mr. Fuge,

Pilot Water Solutions SWD LLC (Pilot) is applying for administrative approval of the attached Application for Authorization to Inject (Form C-108) for their proposed Toretta SWD State #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 Formation in Lea County, NM.

Questions regarding this application or the included materials can be directed to Nate Alleman (Pilot 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

Released to Imaging: 11/7/2023 1:18:26 PM

Ī	RECEIVED:	REVIEWER:	TYPE:	APP NO:	
			ABOVE THIS TABLE FOR OCD	DIVISION LISE ONLY	
			OIL CONSERV	/ATION DIVISIO g Bureau –	
_	THIS CHECKLI	ADMINISTRA ST IS MANDATORY FOR ALL A REGULATIONS WHICH REQU	ADMINISTRATIVE APPLIC		S TO DIVISION RULES AND
	oplicant: Pilot Water Sc				RID Number: 331374
	ell Name: Toretta State	SWD #1			30-025-
РО	OOI: SWD; San Andres			Poo	ol Code: <u>96121</u>
			INDICATED BEL	OW	S THE TYPE OF APPLICATION
1)) TYPE OF APPLICATION A. Location – Spo □NSL	DN: Check those wacing Unit – Simulta	neous Dedication	on _	□sd
2)	□DHC [II] Injection - □WFX NOTIFICATION REQ A. ☑ Offset oper B. □ Royalty, ov C. ☑ Application D. ☑ Notification E. □ Notification F. ☑ Surface ow	ing – Storage – Mer C	PC PC e Increase – Enh D IPI PI lose which appl ers hers, revenue of d notice at approval by S	eor ppr y. wners Lo LM	FOR OCD ONLY Notice Complete Application Content Complete
3)	CERTIFICATION: I he administrative appuunderstand that no notifications are sul	roval is accurate are action will be take	nd complete to en on this applic	the best of my k	• •
	Note: Sta	tement must be complete	d by an individual wit	h managerial and/or s	upervisory capacity.
_	Pavid Grounds			08/23/2023 Date	
Pr	rint or Type Name			713-307-8752	
	David Com			Phone Numb	er
Sid	David Grounds gnature			david.grounds@e-mail Addres	②pilotwater.com
;	J - 1 - 1 -			2	-

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 RecoveryPressure MaintenanceX_DisposalStorage Application qualifies for administrative approval?X_YesNo
II.	OPERATOR: Pilot Water Solutions SWD LLC
	ADDRESS: 20 Greenway Plaza, Suite 200, Houston, TX 77046
	CONTACT PARTY: David Grounds PHONE: 713-307-8752
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?YesXNo 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. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 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 to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: David Grounds TITLE: VP - Regulatory Compliance
	SIGNATURE: David Grounds DATE: 08/23/2023
*	E-MAIL ADDRESS: david.grounds@pilotwater.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: Pilot Water Solutions SWD LLC (OGRID# 331374)

Lease/Well Name & Number: Toretta SWD State #1

Legal Location: 545' FNL & 2,510' FEL - Unit B - Section 17 T19S R37E - Lea County

(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	17-1/2	13-3/8	1,420	2,225.7	0	Circulation
Production	12-1/4	9-5/8	5,484	1,637	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.

5-1/2" fiberglass-coated tubing set at 4,183'

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

Weatherford AS1X Stainless 9-5/8" X 5-1/2" set at 4,183'

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 Pool Name - SWD; San Andres Pool Code – 96121

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

Cased-hole injection between 4,183' - 5'484'

(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 (2,682')
 - o 7 Rivers (2,956')
 - Queen (3,393')
 - Grayburg (3,708)
 - Underlying No underlying oil and gas zones present.

Note: the proposed SWD is located on the Central Basin Platform. Therefore, the listed productive zones are limited to those productive zones occurring on the Central Basin Platform.

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 maps are included in *Attachment 2*:

- ½-Mile AOR/Surface & Mineral Ownership Map
- ½-Mile Leaseholder Map
- 2-Mile Oil & Gas Well 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-mile AOR are included in **Attachment 2**. Three wells within the 0.5-mile AOR penetrate the top of the proposed injection zone; however, each penetrating well is cased and cemented through the injection interval and are therefore not considered to be "problem wells".

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: 837 psi (surface)

Average: approx. 500-600 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 Wolfcamp and Bone Spring 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 formation, which is a non-productive zone known to be compatible with formation water from the Wolfcamp and Bone Spring 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 is located in the San Andres formation between the depths of 4,183 and 5,484 feet. The San Andres formation consists of an interbedded carbonate sequence composed of limestone and dolomite. These cycles tend to be mappable within the San Andres and are differentiated by sections of either very high or very low porosity and permeability development. Upper and lower confinement will be provided by tight carbonate facies present within San Andres that occur above and below the porous injection interval. The upper confining interval occurs at the top of the San Andres formation, directly underlying the Grayburg formation, and ranges from 125' – 150' net thickness based on a review of nearby open-hole geophysical logs. The lower confining interval occurs at the bottom of the San Andres formation, directly overlying the Glorieta formation, and ranges from 150' - 200' net thickness based on a review of nearby open-hole geophysical logs.

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 1,395'. Water wells in the area are drilled to a depth of approximately 90' – 150'.

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 12 groundwater wells (5 Active, 1 Pending, and 6 Plugged) are located within 1 mile of the proposed SWD location. Water samples have been collected and analyzed for 2 of these water wells.

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

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 1,395'.

XIII. Proof of Notice

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

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

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

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

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 6*.

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

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

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u>

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1,	API Number	r	² Pool Code 96121 ³ Pool Name SWD; San Andres									
⁴ Property (Code				⁵ Property I		⁶ Well Number					
			/D STATE #1									
⁷ OGRID	No.				⁸ Operator 1	Name		⁹ Elevation				
33137	'4			Pile	ot Water Solu	tions SWD LLC	C 3697.72'					
					¹⁰ Surface I	Location						
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	t/West line		County	
В	17	19 S	37 E		545	NORTH	2510	EAS	ST	LEA	.	
			11 Ro1	ttom Hol	e Location If	Different Fron	1 Surface		J			

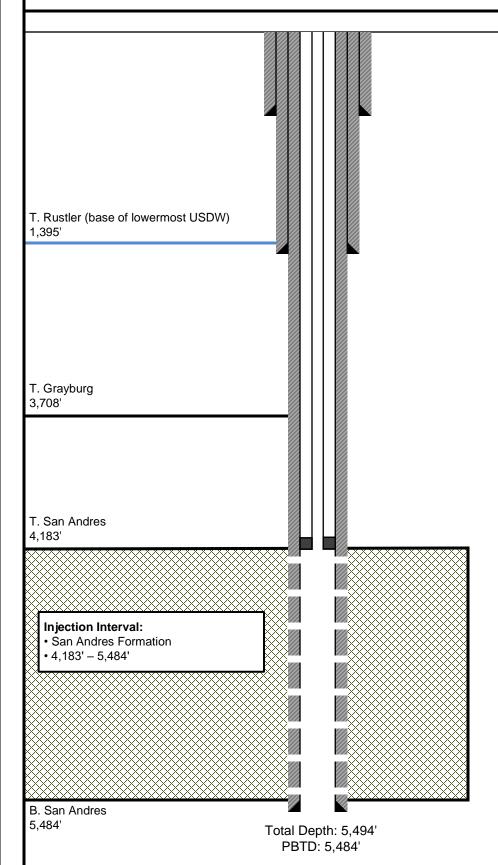
			" D0	tion no	e Location ii	Different From	II Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
		•							,
12 Dedicated Acres	13 Joint or	Infill 14 C	onsolidation	Code 15 Or	der No.				

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

	C K	 	2) A	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
E	GEODET NAD 83 N TORETTA S7 X: 867 Y: 607	NM EAST WD STATE 1 577.95'	Н	Nate Alleman Printed Name nate.alleman@aceadvisors.com E-mail Address
L	LAT.: N 32. LONG.: W -10 1-Y=60817.49' 2-Y=608250.17 3-Y=602974.48 4-Y=602921.70	666081825 03.273193967 , X=864814.68' ', X=870081.15' ', X=870141.72'		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. O7/25/2023 Date of Survey WEX
M 4	Ν	0	P <u>3</u>	Date of Survey NEX Signature and Soul of Professional Surveyor: 17320 Certificate Number

Pilot Water Solutions SWD LLC

Toretta SWD State #1 Wellbore Diagram



Surface Casing

Casing Size (in): 13-3/8
Casing Weight (lb/ft): 68

Casing Grade:L-80 BTCCasing Depth (ft):1,420Hole Depth (ft):1,430Hole Size (in):17-½

Top of Cement (ft): 0 (circulation) **Sks Cement:** 2,225.7

Production Casing

Casing Size (in): 9-5/8
Casing Weight (lb/ft): 53.5
Casing Grade: L-80 BTC
Casing Depth (ft): 5,484
Hole Depth (ft): 5,494
Hole Size (in): 12-1/4
Tag of Camont (ft): 0 (circulation

Top of Cement (ft): 0 (circulation)

Sks Cement: 1,637

Tubing

Tubing Size (in): 5-1/2
Tubing Weight (lb/ft): 14
Tubing Grade: J-55 BTC
Tubing Depth (ft): 4,183

Packer Type: Weatherford AS1X Stainless

Packer Depth (ft): 4,183

Injection Interval

Formation: San Andres

Top (ft): 4,183 Bottom (ft): 5,484

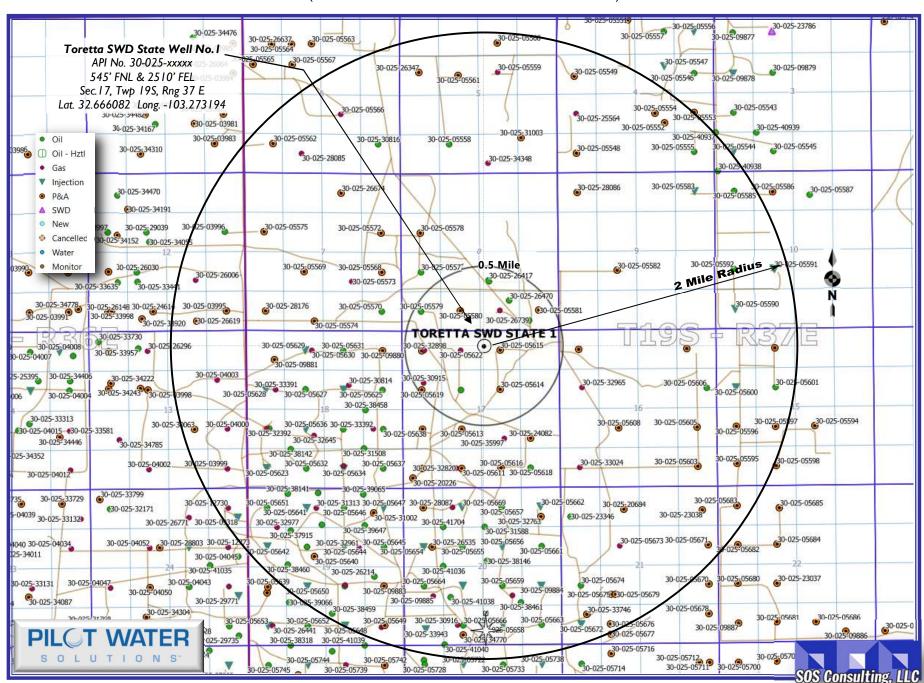
Cased or Open-Hole: Cased

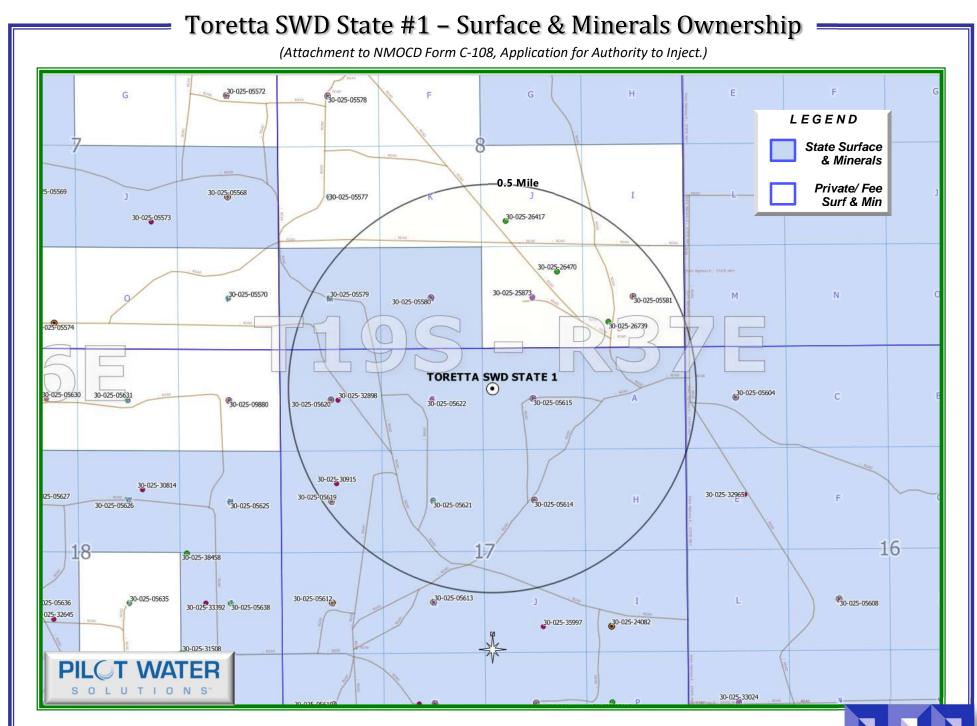
Note: Listed depths and cement volumes are approximates based on available information.

NOT TO SCALE

Toretta SWD State Well No.1 - Area of Review - 2 Miles

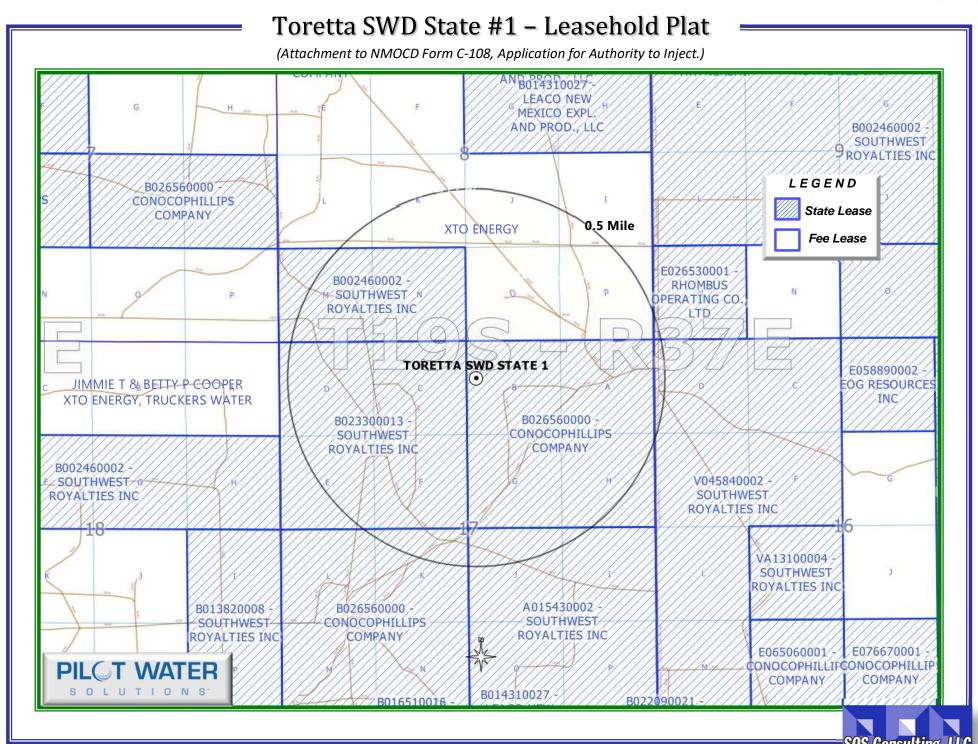
(Attachment to NMOCD Form C-108 - Item V)





	AOR 7	Tabulation fo	or Toretta SWD State #1 (To	op of Injection Inte	erval: 4,183')			
Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (ft)	Penetrate Inj. Zone?
NORTH MONUMENT G/SA UNIT #013	30-025-05579	0	APACHE CORPORATION	Active	7/29/1937	M-08-19S-37E	4,040	No
PRE-ONGARD WELL #001	30-025-05619	0	PRE-ONGARD WELL OPERATOR	Plugged (site released)	3/30/1937	E-17-19S-37E	4,034	No
PRE-ONGARD WELL #002	30-025-05620	0	PRE-ONGARD WELL OPERATOR	Plugged (site released)	5/15/1937	D-17-19S-37E	4,030	No
STATE J #006	30-025-32898	G	FORTY ACRES ENERGY, LLC	Active	6/13/1995	D-17-19S-37E	3,800	No
STATE J #005	30-025-30915	G	FORTY ACRES ENERGY, LLC	Active	6/2/1990	E-17-19S-37E	3,750	No
NORTH MONUMENT G/SA UNIT #006	30-025-05621	0	APACHE CORPORATION	Active	6/24/1937	F-17-19S-37E	4,028	No
PRE-ONGARD WELL #002	30-025-05580	0	PRE-ONGARD WELL OPERATOR	Plugged (site released)	2/3/1938	N-08-19S-37E	4,155	No
STATE J #004	30-025-05622	G	FORTY ACRES ENERGY, LLC	Active	8/7/1937	C-17-19S-37E	4,047	No
R H HUSTON JR #002	30-025-26417	0	SAHARA OPERATING CO	Active	8/2/1979	J-08-19S-37E	4,203	Yes
R H HUSTON JR #001	30-025-25873	G	SAHARA OPERATING CO	Active	4/11/1978	O-08-19S-37E	4,086	No
STATE A 17 #005	30-025-05614	G	CONOCOPHILLIPS COMPANY	Plugged (site released)	7/27/1937	G-17-19S-37E	4,027	No
STATE A 17 #006	30-025-05615	0	CONOCO INC	Plugged (site released)	11/7/1937	B-17-19S-37E	4,026	No
R H HUSTON JR #003	30-025-26470	0	SAHARA OPERATING CO	Active	9/15/1979	O-08-19S-37E	4,200	Yes
R H HUSTON JR #004	30-025-26739	0	SAHARA OPERATING CO	Active	4/16/1980	P-08-19S-37E	4,200	Yes
PRE-ONGARD WELL #001	30-025-05581	0	PRE-ONGARD WELL OPERATOR	Plugged (site released)	4/9/1953	P-08-19S-37E	3,835	No
Notes: Three wells within the 1/2-mile AO	R penetrates the i	njection interval.	•	•		•	•	*

	Penetrating Well Casing Data										
Well Name	API#	Status	Hole Size	Casing Size, Weight	Depth Set (ft)	Sacks Cement	TOC				
R H HUSTON JR #002	30-025-26417	Active	12-1/4"	8 5/8", 23#	460	325	Circ				
K H HUSTON JR #002	30-025-20417	Active	7-7/8 "	5 1/2", 17#	4203	900	Circ				
R H HUSTON JR #003	30-025-26470	Active	12-1/4"	8 5/8", 23#	428	300	Circ				
K H HUSTON JK #003	30-025-20470	Active	7-7/8 "	5 1/2", 17#	4200	875	Circ				
R H HUSTON JR #004	30-025-26739	Active	12-1/4"	8 5/8", 28#	428	300	Circ				
K II IIUSTON JR #004	30-023-20739	Active	7-7/8 "	5 1/2", 17#	4200	960	Circ				

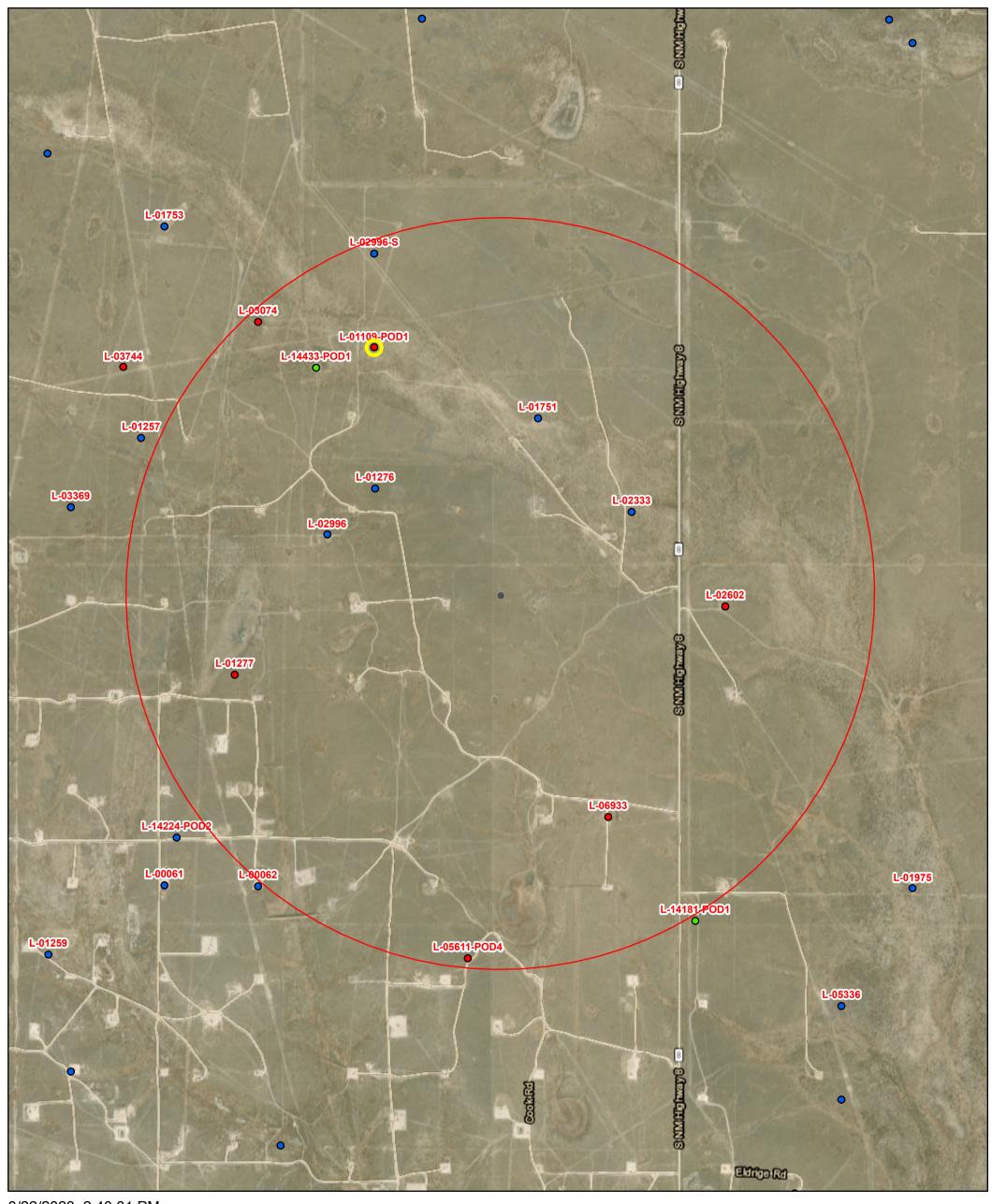


									Sour	ce For	matio	n Water Analysis											
Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Formation	Sampled	PH			Calcium (MG/L)			Manganese (MG/L)	Chloride (MG/L)	Bicarbonate (MG/L)	Sulfate (MG/L)
STATE NPA #001	3002503156	32.6879654	-103.5031815	6	198	35E	L	1980S	660W	LEA	NM	BONE SPRING	1960	7.7	25800.0						14100.0	830.0	1120.0
SHOOTING STAR STATE SWD #001	3002529805	32.7594261	-103.4270935	11	18S	35E	J	1650S	2310E	LEA	NM	BONE SPRING	2001	6.2			15600.0	2.5	981.9		148248.0	244.0	650.0
SINCLAIR STATE #002	3002503123	32.7386246	-103.4561005	21	18S	35E	Α	660N	660E	LEA	NM	WOLFCAMP	1960	7.1	60950.0						33568.0	1087.0	3049.0
IRONHOUSE 19 STATE COM #001H	3002540676	32.7266121	-103.499527	19	18S	35E	N	200S	1800W	Lea	NM	BONE SPRING 2ND SAND	2014	6.4	182863.9	58171.0	4944.4	49.0	1892.6	1.4	113954.0	195.2	0.0
IRONHOUSE 19 STATE COM #004H	3002541245	32.7264938	-103.5014343	19	18S	35E	M	150S	1215W	Lea	NM	BONE SPRING 2ND SAND	2014	6.2	189029.2	64016.2	5319.3	38.8	2044.4	1.5	113566.0	158.6	0.0
IRONHOUSE 19 STATE COM #002H	3002541094	32.7271118	-103.4903336	19	18S	35E	Р	410S	630E	Lea	NM	BONE SPRING 2ND SAND	2014	6.0	205332.0	72646.0	4828.0	39.0	2316.0	2.0	130450.0	488.0	1503.0
IRONHOUSE 20 STATE COM #001	3002540611	32.7265129	-103.4774857	20	18S	35E	0	200S	1980E	Lea	NM	BONE SPRING 2ND SAND	2014	6.1	186865.0	65638.0	4698.0	16.0	1700.0	1.0	116510.0	1098.0	1804.0
IRONHOUSE 20 STATE #002H	3002540748	32.7265129	-103.4731903	20	18S	35E	Р	200S	660E	Lea	NM	BONE SPRING 2ND SAND	2014	6.6	196865.0	66738.0	4631.0	23.0	1790.0	1.0	116580.0	1298.0	1894.0
IRONHOUSE 19 STATE COM #003H	3002541050	32.7264977	-103.4941711	19	18S	35E	0	175S	1810E	Lea	NM	BONE SPRING 2ND SAND	2014	6.2	178457.0	56874.0	6125.0	22.0	1457.0	1.0	125412.0	845.0	849.0
HAMON STATE #001	3002503140	32.7175827	-103.4464035	27	18S	35E	K	2310S	2310W	LEA	NM	BONE SPRING			154510.0						96360.0	430.0	1210.0
LEA 403 STATE #001	3002503126	32.7386093	-103.4518051	22	18S	35E	D	660N	660W	LEA	NM	BONE SPRING	1958	6.7	255451.0						156699.0	327.0	779.0

				lr	jection F	ormati	on W	ater A	nalysis									
															TDS	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)
B V CULP NCT A #008	3002505640	32.6467896	-103.2919235	19	19S	37E	F	2310N	2239W	LEA	NM	SAN ANDRES			10905	2350	1100	3700
B V CULP NCT A #008	3002505640	32.6467896	-103.2919235	19	19S	37E	F	2310N	2239W	LEA	NM	SAN ANDRES			26735	14500	1370	1020
B V CULP NCT A #008	3002505640	32.6467896	-103.2919235	19	19S	37E	F	2310N	2239W	LEA	NM	SAN ANDRES			40250	20800	1390	3100
B V CULP NCT A #008	3002505640	32.6467896	-103.2919235	19	19S	37E	F	2310N	2239W	LEA	NM	SAN ANDRES			71110	39800	810	3500
B V CULP NCT A #008	3002505640	32.6467896	-103.2919235	19	19S	37E	F	2310N	2239W	LEA	NM	SAN ANDRES			156218	95130	176	771
NORTH MONUMENT G/SA UNIT #001	3002505647	32.6512489	-103.2843475	19	198	37E	Α	660N	660E	Lea	NM	SAN ANDRES	1964	6.0		10200	592	1938
GOODWIN #002	3002520651	32.7204323	-103.2928467	30	18S	37E	F	1980N	1980W	LEA	NM	SAN ANDRES			80467	45060	1492	3315
GOODWIN #002	3002520651	32.7204323	-103.2928467	30	18S	37E	F	1980N	1980W	LEA	NM	SAN ANDRES			69848	39130	1225	3114
NORTH HOBBS UNIT #001	3002505449	32.7530632	-103.21138	13	18S	37E	D	660N	660W	LEA	NM	SAN ANDRES	1960	8.0	12100	4500	504	2300
NORTH HOBBS UNIT #001	3002505449	32.7530632	-103.21138	13	18S	37E	D	660N	660W	LEA	NM	SAN ANDRES			12100	4541	509	2321
BOBBI STATE WF UNIT #006	3002503978	32.7231979	-103.373436	29	18S	36E	В	990N	1650E	LEA	NM	SAN ANDRES			20882	11190	645	1232
STATE NG #001	3002522795	32.7349815	-103.3057404	24	18S	36E	G	1980N	1980E	LEA	NM	SAN ANDRES	1968	6.5	265665	157000	98	5400
STATE NG #001	3002522795	32.7349815	-103.3057404	24	18S	36E	G	1980N	1980E	LEA	NM	SAN ANDRES	1968	6.3	203913	122000	110	3000
GRAHAM STATE NCT F #003	3002512476	32.6149902	-103.3056641	36	198	36E	J	1980S	1980E	LEA	NM	SAN ANDRES	1900	6.5		16406	611	
NORTHWEST EUMONT UNIT #156	3002504099	32.617733	-103.3518143	33	19S	36E	Н	2310N	330E	Lea	NM	SAN ANDRES	1960	7.0		38119	405	4317
GRAHAM STATE NCT F #003	3002512476	32.6149902	-103.3056641	36	198	36E	J	1980S	1980E	Lea	NM	SAN ANDRES	1964	6.5		16406	611	
GRAHAM STATE NCT F #003	3002512476	32.6149902	-103.3056641	36	198	36E	J	1980S	1980E	LEA	NM	SAN ANDRES			26344			
E M E SWD #008	3002506017	32.5895042	-103.2725601	8	20S	37E	G	1980N	2310E	LEA	NM	SAN ANDRES	1964	8.5	65365	36905	560	1460
THEODORE ANDERSON #002	3002506139	32.5785942	-103.2758102	17	20S	37E	С	660N	1980W	Lea	NM	SAN ANDRES	1964	6.7		67245	564	489
E M E SWD #008	3002506017	32.5895042	-103.2725601	8	20S	37E	G	1980N	2310E	LEA	NM	SAN ANDRES			65361	36900	560	1460
EUNICE MONUMENT UNIT #031	3002506169	32.5531693	-103.2843781	19	20S	37E	Р	660S	660E	LEA	NM	SAN ANDRES			91120	59850	0	722

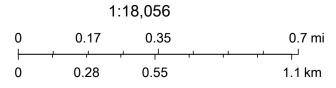
		Water Well Sampling Table		
OSE Status	Owner	Available Contact Information	Use	Notes
Plugged	GULF OIL CORPORTATION	Gulf Oil Corportation Box 1290 Fort Worth, TX	Prospecting	Plugged - O&G Prospecting - not fresh water supply well
Active	GULF OIL CORPORATION	Gulf Oil Corporation Box 1290 Fort Worth, TX	Prospecting	O&G Prospecting - not fresh water supply well
Plugged	GULF OIL CORPORATION	Gulf Oil Corporation Box 1290 Fort Worth, TX	Prospecting	Plugged - O&G Prospecting - not fresh water supply well
Active	ROGERS INC	J W Rogers Inc Hobbs, NM	Prospecting	O&G Prospecting - not fresh water supply well
Plugged	OSCAR BOURG DRILLING COMPANY	Oscar Bourg Drilling Company Po Box 73 Midland, TX	Prospecting	Plugged - O&G Prospecting - not fresh water supply well
Plugged	OSCAR BOURG DRILLING COMPANY	Oscar Bourg Drilling Company C/o O R Musslewhite Box 56 Hobbs, NM	Prospecting	Plugged - O&G Prospecting - not fresh water supply well
Active	HUSTON JR.	Robert H. Huston, Jr. Box 1082 Hobbs, NM	Irrigation	OSE Records indicate water right is cancelled.
Plugged	GULF OIL CORPORATION	Gulf Oil Corporation Box 670 Hobbs, NM 88240	Prospecting	Plugged - O&G Prospecting - not fresh water supply well
Plugged	MONUMENT WATER USERS COOP.	Monument Water Users Coop. Po Box 48 Monument, NM 88265	Municipal	Plugged
Active	VERSADO GAS PROCESSORS LLC	Versado Gas Processors, Llc Po Box 1909 Euncie, NM 88235	Industrial	Sample collected on 7/12/2023
Active	VERSADO GAS PROCESSORS LLC	Versado Gas Processors, Llc Po Box 1909 Euncie, NM 88235	Industrial	Industrial use - not fresh water supply well
Pending	HUSTON RANCH NO 1 LLC	Huston Ranch No 1 Llc Po Drawer 1599 Lovington, NM 88260	Livestock Watering	Sample collected on 7/12/2023
1	Plugged Active Plugged Active Plugged Plugged Active Plugged Active Plugged Plugged Active Active Active	Plugged GULF OIL CORPORTATION Active GULF OIL CORPORATION Plugged GULF OIL CORPORATION Active ROGERS INC Plugged OSCAR BOURG DRILLING COMPANY Plugged OSCAR BOURG DRILLING COMPANY Active HUSTON JR. Plugged GULF OIL CORPORATION Plugged MONUMENT WATER USERS COOP. Active VERSADO GAS PROCESSORS LLC Active VERSADO GAS PROCESSORS LLC	OSE Status Owner Available Contact Information Plugged GULF OIL CORPORTATION Gulf Oil Corporation Box 1290 Fort Worth, TX Active GULF OIL CORPORATION Gulf Oil Corporation Box 1290 Fort Worth, TX Plugged GULF OIL CORPORATION Gulf Oil Corporation Box 1290 Fort Worth, TX Active ROGERS INC J W Rogers Inc Hobbs, NM Plugged OSCAR BOURG DRILLING COMPANY Oscar Bourg Drilling Company Po Box 73 Midland, TX Plugged OSCAR BOURG DRILLING COMPANY Oscar Bourg Drilling Company C/o O R Musslewhite Box 56 Hobbs, NM Active HUSTON JR. Robert H. Huston, Jr. Box 1082 Hobbs, NM Plugged GULF OIL CORPORATION Gulf Oil Corporation Box 670 Hobbs, NM 88240 Plugged MONUMENT WATER USERS COOP. Monument Water Users Coop. Po Box 48 Monument, NM 88265 Active VERSADO GAS PROCESSORS LLC Versado Gas Processors, Llc Po Box 1909 Euncie, NM 88235	OSE Status Owner Available Contact Information Use Plugged GULF OIL CORPORTATION Gulf Oil Corporation Box 1290 Fort Worth, TX Prospecting Active GULF OIL CORPORATION Gulf Oil Corporation Box 1290 Fort Worth, TX Prospecting Plugged GULF OIL CORPORATION Gulf Oil Corporation Box 1290 Fort Worth, TX Prospecting Active ROGERS INC J W Rogers Inc Hobbs, NM Prospecting Plugged OSCAR BOURG DRILLING COMPANY Oscar Bourg Drilling Company Po Box 73 Midland, TX Prospecting Plugged OSCAR BOURG DRILLING COMPANY Oscar Bourg Drilling Company C/o O R Musslewhite Box 56 Hobbs, NM Prospecting Active HUSTON JR. Robert H. Huston, Jr. Box 1082 Hobbs, NM Irrigation Plugged GULF OIL CORPORATION Gulf Oil Corporation Box 670 Hobbs, NM 88240 Prospecting Plugged MONUMENT WATER USERS COOP. Monument Water Users Coop. Po Box 48 Monument, NM 88265 Municipal Active VERSADO GAS PROCESSORS LLC Versado Gas Processors, Llc Po Box 1909 Euncie, NM 88235 Industrial

OSE POD Locations Map



8/22/2023, 2:40:31 PM GIS WATERS PODs

- Active
- Pending
- Plugged



Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

July 25, 2023

Brian Wood Permits West 37 Verano Loop Santa Fe, NM 87508

TEL: (505) 466-8120 FAX: (505) 466-9682

RE: Pi OrderNo.: 2307569

Dear Brian Wood:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Case Narrative

WO#: **2307569**Date: **7/25/2023**

CLIENT: Permits West

Project: Pi

Analytical Notes Regarding EPA Method 1664: A matrix spike was not performed with this batch of samples.

Analytical Report

Lab Order 2307569

Date Reported: 7/25/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West Client Sample ID: Tank 1

Project: Pi **Collection Date:** 7/12/2023 1:30:00 PM Lab ID: 2307569-001 Matrix: AQUEOUS Received Date: 7/13/2023 10:18:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 1664B					Analys	t: SMS
N-Hexane Extractable Material	ND	9.58	mg/L	1	7/19/2023 7:21:00 PM	76250
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	85	2.5	mg/L	5	7/13/2023 5:30:18 PM	R98202
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analys	t: JAG
Total Dissolved Solids	448	50.0	mg/L	1	7/19/2023 2:20:00 PM	76283

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Analytical Report

Lab Order 2307569

Date Reported: 7/25/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West

Client Sample ID: WM Pond

Project: Pi **Collection Date:** 7/12/2023 12:45:00 PM

Lab ID: 2307569-002 Matrix: AQUEOUS Received Date: 7/13/2023 10:18:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 1664B					Analys	t: SMS
N-Hexane Extractable Material	ND	10.9	mg/L	1	7/19/2023 7:21:00 PM	76250
EPA METHOD 300.0: ANIONS					Analyst	t: JMT
Chloride	160	5.0	mg/L	10	7/13/2023 5:55:00 PM	R98202
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst	t: JAG
Total Dissolved Solids	910	100	*D mg/L	1	7/19/2023 2:20:00 PM	76283

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307569 25-Jul-23**

Client: Permits West

Project: Pi

Sample ID: MB-76250 SampType: MBLK TestCode: EPA Method 1664B

Client ID: PBW Batch ID: 76250 RunNo: 98341

Prep Date: 7/17/2023 Analysis Date: 7/19/2023 SegNo: 3579205 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

N-Hexane Extractable Material ND 10.0

Sample ID: LCS-76250 SampType: LCS TestCode: EPA Method 1664B

Client ID: LCSW Batch ID: 76250 RunNo: 98341

Prep Date: 7/17/2023 Analysis Date: 7/19/2023 SegNo: 3579206 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

N-Hexane Extractable Material 34.6 10.0 40.00 0 86.5 78 114

Sample ID: LCSD-76250 SampType: LCSD TestCode: EPA Method 1664B

Client ID: LCSS02 Batch ID: 76250 RunNo: 98341

Prep Date: 7/17/2023 Analysis Date: 7/19/2023 SeqNo: 3579207 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

N-Hexane Extractable Material 36.4 10.0 40.00 0 91.0 78 114 5.07 20

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 6

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307569**

25-Jul-23

Client: Permits West

Project: Pi

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: R98202 RunNo: 98202

Prep Date: Analysis Date: 7/13/2023 SeqNo: 3573573 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: R98202 RunNo: 98202

Prep Date: Analysis Date: 7/13/2023 SeqNo: 3573574 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 4.6 0.50 5.000 0 92.9 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 6

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307569 25-Jul-23**

Client: Permits West

Project: Pi

Sample ID: MB-76283 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 76283 RunNo: 98335

Prep Date: 7/18/2023 Analysis Date: 7/19/2023 SeqNo: 3578905 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 50.0

Sample ID: LCS-76283 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 76283 RunNo: 98335

Prep Date: 7/18/2023 Analysis Date: 7/19/2023 SeqNo: 3578906 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 50.0 1000 0 102 80 120

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 6

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 11/7/2023 1:18:26 PM

and the	Website: www.ha	nenviro	тепіаі.сс)III			
Client Name: Permits West	Work Order Number:	23075	69			RcptNo): 1
Received By: Steve McQuiston	7/13/2023 10:18:00 AM	1		the s	late-	7	
Completed By: Cheyenne Cason	7/13/2023 10:59:52 AM			Chenl	1		
Reviewed By: 7~7/13/23	, , , , , , , , , , , , , , , , , , , ,	•		Chemic			
Chain of Custody							
1. Is Chain of Custody complete?		Yes	✓	No		Not Present	
2. How was the sample delivered?		Client					
Log In		,					
3. Was an attempt made to cool the samples?		Yes [✓	No		NA 🗌	
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes [No	V	NA 🗌	
5. Sample(s) in proper container(s)?		No Yes	ot require ✓	e <u>d</u> No			
0.0%		v [a	NI-	П		
6. Sufficient sample volume for indicated test(s)		Yes Yes		No No			
7. Are samples (except VOA and ONG) properly8. Was preservative added to bottles?	y preserved?	_		No		NA 🗆	
O Decimal attachts sixtuits banks as 444	W. S A O MOAO	۷ [٦	No	П	na 🗹	
9. Received at least 1 vial with headspace <1/4		Yes L	_ 	No		NA 🖭	
Were any sample containers received broke	n <i>!</i>			140		# of preserved bottles checked	/
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 1		No		for pH:	or >12 unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes 5		No		Adjusted?	
13. Is it clear what analyses were requested?	, ·	Yes		No			4
14. Were all holding times able to be met?		Yes 🖢		No		Checked by:	JA 7-13.2
(If no, notify customer for authorization.) Special Handling (if applicable)							0
15. Was client notified of all discrepancies with the	this order?	Yes		No		NA 🗹	
Person Notified:	Date:	Name and Address of		er's their returns			
By Whom:	Via:	eMai	l ∏ Ph	one 🗍	Fax	In Person	
Regarding:		Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Ow	e constant and		amaino	NAME OF THE PERSON OF THE PERS	
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HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	BTEX / MTBE / TMB's (8021) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals GI, EBr, NO ₃ , NO ₂ , PO ₄ , SO ₄ 8270 (Semi-VOA) Total Coliform (Present/Absent)	Remarks:	ossibility. Any sub-contracted data will be clearly notated on the analytical recont
1-of-Custody Record Ermits West SS: 37 Verand SF NW 87508 STEP USE 8128	Accreditation:	Date: Time: Relinquished by: Na: Date Time Received by: Via: Date Time Received by: Via: Date Time	Release指形的影响器的等的体制器目的分面的影响相 may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analysion

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 August 22, 2023 and ending with the issue dated August 22, 2023.

Publisher

Sworn and subscribed to before me this 22nd day of August 2023.

Pusinoss Managar

My commission expires January 29, 2027

(Seal)

NOTARY PUBLIC

NOTARY PUBLIC

GUSSIE RUTH BLACK

COMMISSION # 1087528

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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 NOTICE August 22, 2023

Pilot Water Solutions SWD LLC, 20 Greenway Plaza, Suite 200, Houston, TX 77046, is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for commercial saltwater injection into its Toretta SWD State #1. This will be a new well located 545' FNL & 2,510' FEL in Section 17 Township 19S Range 37E in Lea County, New Mexico. 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 formation at depths of 4,183' 5,484' at a maximum surface injection pressure of 837 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., Santa Fe, New Mexico 87505. Additional information may be obtained by contacting the operator contact, David Grounds, at 713-307-8752.

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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				
Surface Owner						
STATE LAND OFFICE	P.O. Box 1148, Santa Fe, NM 87504	08/23/2023				
Mineral Owners (BLM/SLO or Unleased Tracts)						
STATE LAND OFFICE	P.O. Box 1148, Santa Fe, NM 87504	08/23/2023				
	OCD District					
OCD - DISTRICT 1	1625 N. French Drive, Hobbs, NM 88240	08/23/2023				
	Applicable Affected Persons					
SOUTHWEST ROYALTIES INC	6 Desta Drive, Midland, TX 79705	08/23/2023				
CONOCOPHILLIPS COMPANY	10 Desta Drive, Midland, TX 79705	08/23/2023				
XTO ENERGY	500 W, Illinois, Suite 100, Midland, TX 79701	08/23/2023				
RHOMBUS OPERATING CO. LTD	P.O. Box 8316, Midland, TX 79708-8316	08/23/2023				
APACHE CORPORATION	303 Veterans Park Lane, Suite 3000, Midland, TX 79705	08/23/2023				
FORTY ACRES ENERGY, LLC	1177 7-B Katy Freeway, Suite 305, Houston, TX 77079	08/23/2023				
SAHARA OPERATING CO	P.O. Box 4130, Midland, TX 79704	08/23/2023				







