AE Order Number Banner

Application Number: pAYH2329349274

SWD-2576

Pilot Water Solutions SWD LLC [331374]



October 13, 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 Burrow 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 Burrow 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 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

RECEIVED:	REVIEWER:	TYPE:	APP NO:	
		ABOVE THIS TABLE FOR OCD DIVI	SION USE ONLY	
	- Geolog	CO OIL CONSERVA ical & Engineering rancis Drive, Santa	TION DIVISION Bureau –	P CONTRACTOR OFFICE
		RATIVE APPLICATIC		
THIS	CHECKLIST IS MANDATORY FOR A REGULATIONS WHICH R	ALL ADMINISTRATIVE APPLICAT EQUIRE PROCESSING AT THE D		VISION RULES AND
	ater Solutions SWD LLC			Number: <u>331374</u>
Well Name: Burro			API: <u>30-02</u>	
Pool: <u>SWD; San A</u>	ndres		Pool Cc	ode: 96121
1) TYPE OF APPI A. Locatio	RATE AND COMPLETE IN LICATION: Check those n – Spacing Unit – Simu INSL INSP (F	INDICATED BELON which apply for [A] Itaneous Dedication	V	TYPE OF APPLICATION
 [I] Cor [II] Inje [II] Inje 2) NOTIFICATIO A. ☑ Offse B. □ Royce C. ☑ Appl D. ☑ Notif E. □ Notif F. ☑ Surfce G. ☑ For ce 	N REQUIRED TO: Check t operators or lease ho ilty, overriding royalty o ication requires publish ication and/or concur ication and/or concur	PLC PC OL ure Increase – Enhar SWD IPI EC those which apply. Iders owners, revenue owr ned notice rent approval by SLC rent approval by BLN	nced Oil Recovery NR PPR	FOR OCD ONLY Notice Complete Application Content Complete
3) CERTIFICATIO	N [.] I hereby certify that	the information sub	mitted with this apr	plication for

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

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

David Grounds

Print or Type Name

10/13/2023 Date

713-307-8752

Phone Number

david.grounds@pilotwater.com e-mail Address

David Grounds

Signature

Received by OCD: 10/20/2023 1:52:48 PM STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL

RESOURCES DEPARTMENT

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

	APPLICATION FOR AUTHO	RIZATION TO INJECT	
I.	PURPOSE: Secondary Recovery P Application qualifies for administrative approval? P	ressure Maintenance _YesNo	X DisposalStorage
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 Additional sheets may be attached if necessary.	this form for each well prop	osed for injection.
IV.	Is this an expansion of an existing project?Yes If yes, give the Division order number authorizing the project:	No	
V.	Attach a map that identifies all wells and leases within two miles drawn around each proposed injection well. This circle identifies		ell with a one-half mile radius circle
VI.	Attach a tabulation of data on all wells of public record within the data shall include a description of each well's type, construction, 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 flu Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and conproduced water; and, If injection is for disposal purposes into a zone not productive chemical analysis of the disposal zone formation water (may wells, etc.). 	npatibility with the receiving e of oil or gas at or within on	e mile of the proposed well, attach a
*VIII.	Attach appropriate geologic data on the injection zone including Give the geologic name, and depth to bottom of all underground dissolved solids concentrations of 10,000 mg/l or less) overlying be immediately underlying the injection interval.	sources of drinking water (a	aquifers containing waters with total
IX.	Describe the proposed stimulation program, if any.		
*X.	Attach appropriate logging and test data on the well. (If well log	s have been filed with the Di	ivision, they need not be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fresh injection or disposal well showing location of wells and dates san		l producing) within one mile of any
XII.	Applicants for disposal wells must make an affirmative statemer and find no evidence of open faults or any other hydrologic com drinking water.		
XIII.	Applicants must complete the "Proof of Notice" section on the re	everse side of this form.	
XIV.	Certification: I hereby certify that the information submitted with belief.	this application is true and co	orrect to the best of my knowledge and
	NAME: David Grounds		- Regulatory Compliance
	SIGNATURE: David Grounds	DA	TE: 10/13/2023

E-MAIL ADDRESS: <u>david.grounds@pilotwater.com</u>

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: _

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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:** Burrow SWD State #1 **Legal Location:** 458' FNL & 1,612' FWL- Unit C – Section 5 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	1,487	2,330.7	0	Circulation
Production	12-1/4	9-5/8	5,629	1,680.3	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 4,330'

(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 4,330'.

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 4,330' - 5'629'.

- (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
 - Yates (2,751')
 - 7 Rivers (3,019')
 - Queen (3,475')
 - Grayburg (3,917)
 - 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*:

- 1/2-Mile AOR/Surface & Mineral Ownership Map
- ¹/₂-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*. No wells within the 0.5-mile AOR penetrate the top of the proposed injection zone.

VII. Operational Information

Attach data on the proposed operation, including:

(1) Proposed average and maximum daily rate and volume of fluids to be injected;

Maximum: 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: 866 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 nonproductive 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 4,330 and 5,629 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 1,462'. Water wells in the area are drilled to a depth of approximately 55' - 200'.

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 21 groundwater wells (11 Active, 2 Pending, 4 Inactive, 1 Capped and 3 Plugged) are located within 1 mile of the proposed SWD location.

Multiple attempts have been made to contact the owners of the water wells that meet the sampling criteria and such contact efforts will be continued. Associated water sample analyses will be submitted to OCD upon completion.

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

XII. No Hydrologic Connection Statement

Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

A geologic review conducted on offset wireline log data and published regional studies did not identify any faulting in the vicinity of the proposed locations that would allow for the hydraulic communication between the injection interval and overlying USDWs. The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, was determined to occur at the top of the Rustler formation at a depth of 1,462'.

XIII. Proof of Notice

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

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

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

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

A Public Notice was published in the Hobbs NewsSun, a newspaper of general circulation in the area, and the associated affidavit is included in *Attachment 6*.

Attachment 1

1625 N. French Dr., Hobbs, NM 88240

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

Phone: (575) 393-6161 Fax: (575) 393-0720

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

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

District I

District II

District III

District IV

.

Form C-102

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

Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

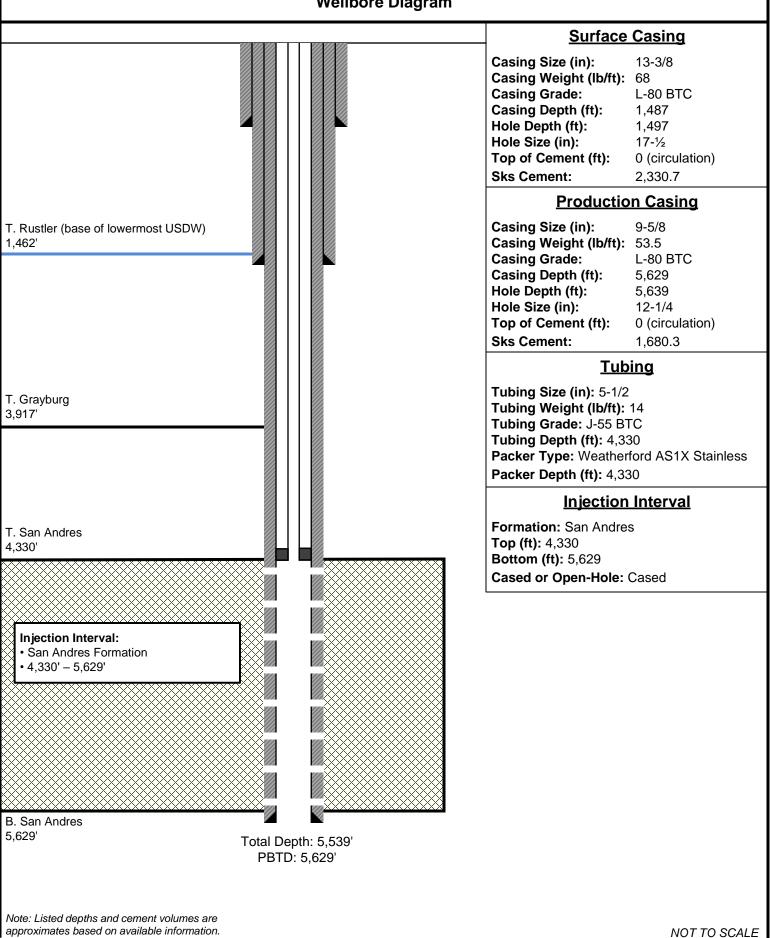
		W	ELL LC	OCATIO	N AND ACF	REAGE DEDIC	CATION PLA	Т		
1	API Number	r		² Pool Code	e		³ Pool Na	me		
				9612 ⁻	1		SWD; Sa	an Andı	es	
⁴ Property C	Code				⁵ Property	Name			6	Well Number
					BURROW SW	D STATE				#1
⁷ OGRID I	No.				⁸ Operator	Name				⁹ Elevation
33137	4			Pile	ot Water So	lutions SWD	LLC		:	3713.75'
					¹⁰ Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	/West line	County
С	5	19 S	37 E		458	NORTH	1612	WE	ST	LEA
		•	^п Во	ttom Ho	le Location I	f Different From	n 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	s ¹³ Joint o	r Infill ¹⁴ Co	nsolidation	Code ¹⁵ O	rder 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.

G				
(1) 		В	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	NAD 83 1 <u>BURROW S'</u> X: 866	G I <u>IC DATA</u> NM EAST <u>WD STATE 1</u> 331.20' 404.79'	Н	Nation 08/22/2023 Signature Date Nate Alleman Printed Name nate.alleman@aceadvisors.com E-mail Address
L	LONG.: W -' 1-Y=618852.49 2-Y=61886.35 3-Y=613512.79	2.69558831 103.2768978 ', X=864715.08' ', X=869988.38' ', X=870030.42' ', X=864761.20'		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. 07/25/2023 Date of Survey
M ④	N	0	P	Date of Survey MEX Date Signature and Sea of Nordessianal Subjector: 17320
				V

Burrow SWD State #1

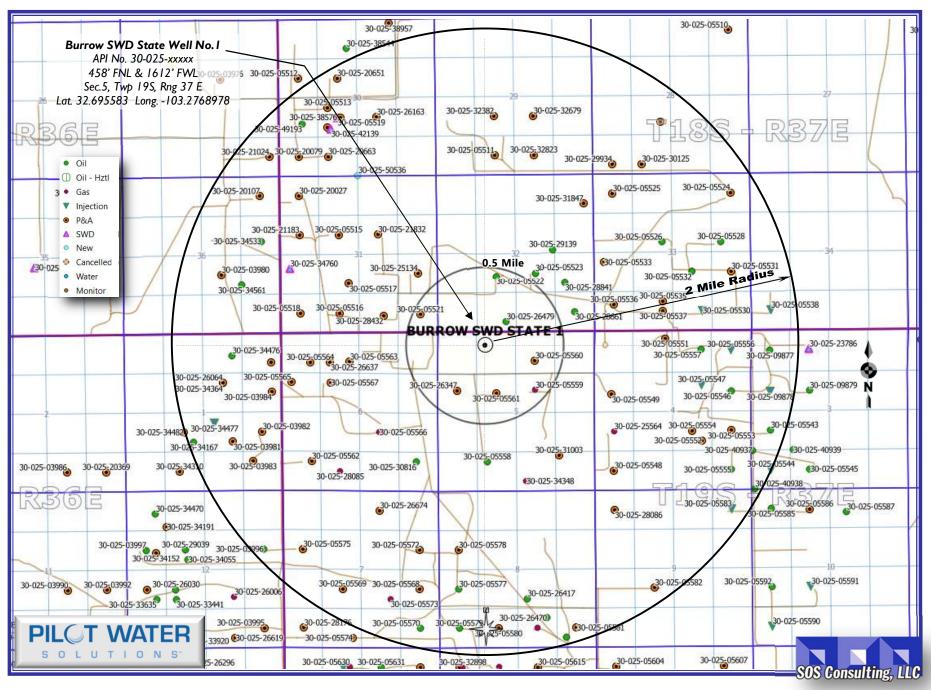
Wellbore Diagram

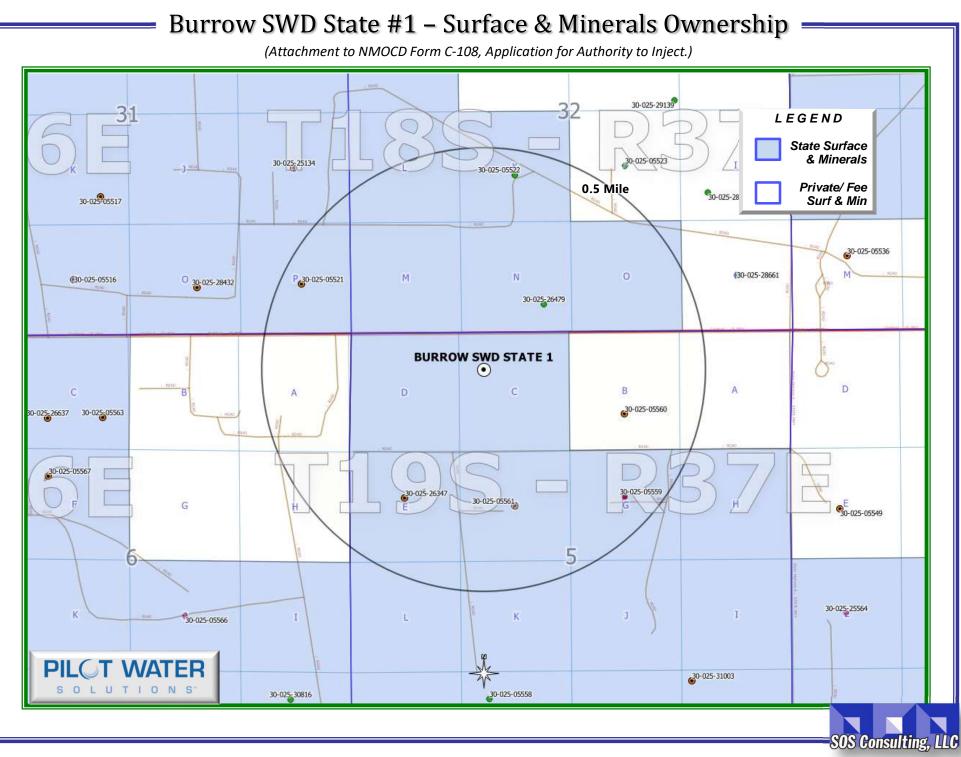


Attachment 2

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

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

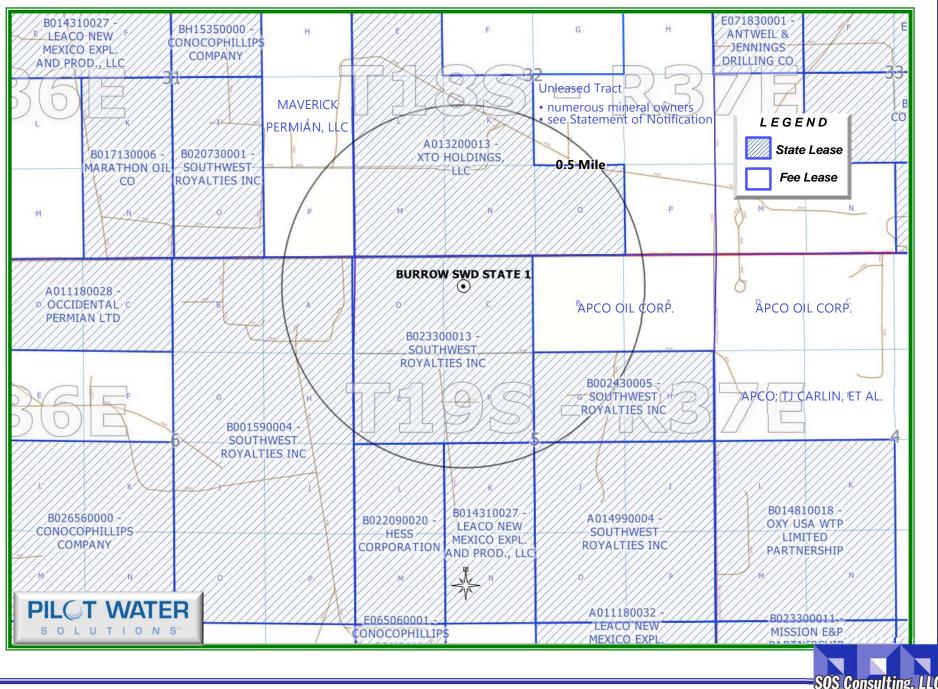




	1/2-Mi	le AOR Ta	bulation for Burrow SWD State	e #1 (Top of Injectio	n Interval: 4	4,330')		
Well Name	API#	Well Type	Operator	Status	Spud Date	Location (Sec., Tn., Rng.)	Total Vertical Depth (feet)	Penetrate Inj. Zone?
PRE-ONGARD WELL #001	30-025-05521	G	PRE-ONGARD WELL OPERATOR	Plugged (site released)	1/20/1954	P-31-18S-37E	3,890	No
STATE AC #002	30-025-26347	G	LANEXCO INC	Plugged (site released)	11/20/1979	E-05-19S-37E	3,950	No
NEW MEXICO AK STATE #001	30-025-05522	0	Energy Acumen LLC	Active	9/4/1955	K-32-18S-37E	4,195	No
NEW MEXICO AK STATE #002	30-025-26479	0	Energy Acumen LLC	Active	10/9/1979	N-32-18S-37E	4,200	No
STATE AC #001	30-025-05561	G	LANEXCO INC	Plugged (site released)	1/31/1956	F-05-19S-37E	3,923	No
J R HOLT A #001	30-025-05559	G	MORGAN OPERATING, INC.	Active	7/17/1957	G-05-19S-37E	3,900	No
PRE-ONGARD WELL #001	30-025-05560	G	PRE-ONGARD WELL OPERATOR	Plugged (site released)	5/16/1957	B-05-19S-37E	3,999	No
Notes: No wells within the 1/2-mile	e AOR penetrate	e the injection	interval.					

Burrow SWD State #1 - Leasehold Plat

(Attachment to NMOCD Form C-108, Application for Authority to Inject.)



Page 16 of 50

Attachment 3

									Sourc	e Form	ation	Water Analysis											
															TDS	Sodium	Calcium	Iron	Magnesium	Manganese	Chloride	Bicarbonate	Sulfate
Well Name	API	Latitude	Longitude	Section	Township	Range	Unit	Ftgns	Ftgew	County	State	Formation	Sampled	PH	(Mg/L)	(Mg/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
STATE NPA #001	3002503156	32.6879654	-103.5031815	6	19S	35E	Ľ	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	А	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	Ν	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	М	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 2	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

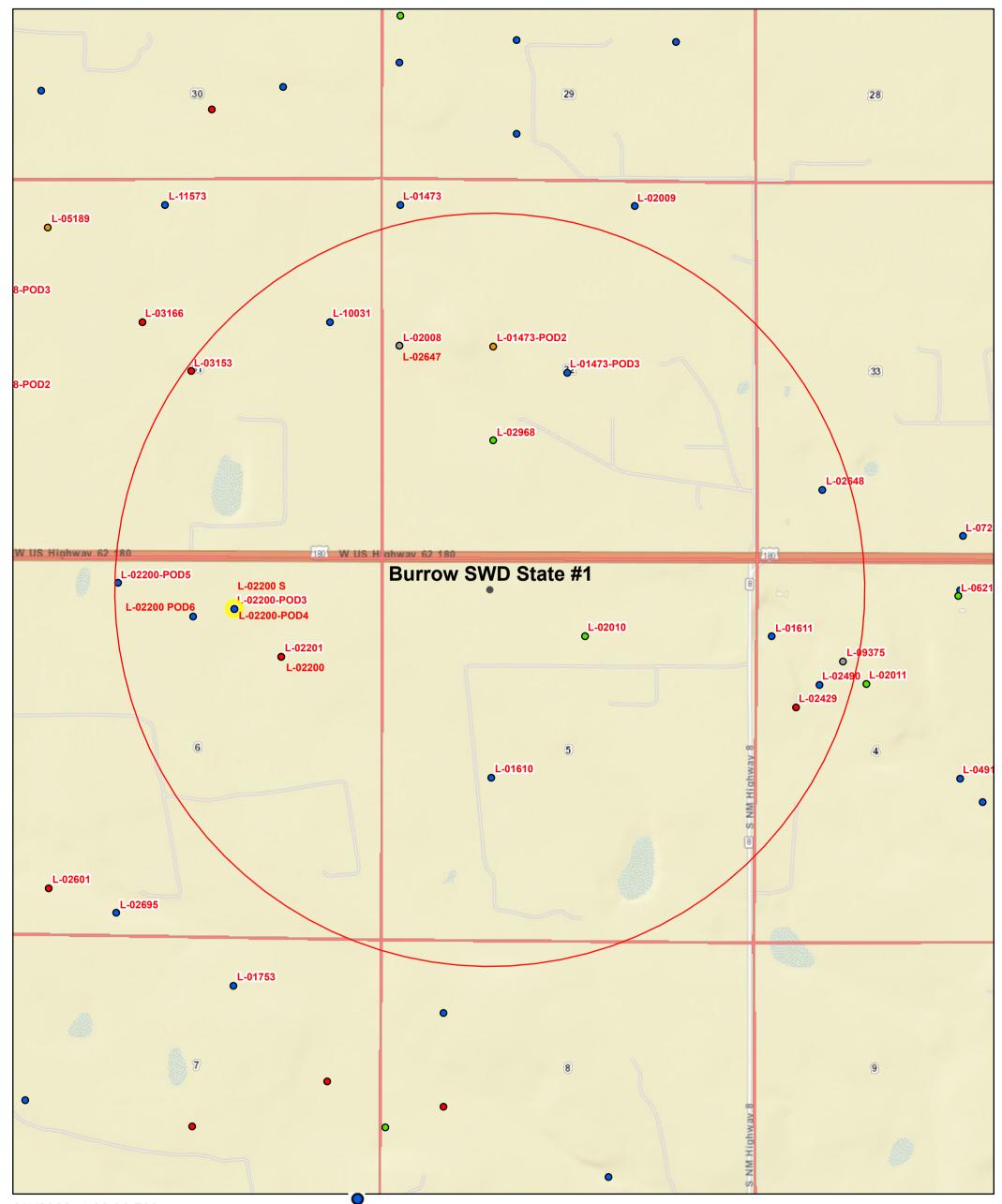
Attachment 4

				Ir	njection 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	
B V CULP NCT A #008	3002505640	32.6467896	-103.2919235	19	19S	37E	F	2310N	2239W	LEA	NM	SAN ANDRES			156218	95130	176	
NORTH MONUMENT G/SA UNIT #001	3002505647	32.6512489	-103.2843475	19	19S	37E	Α	660N	660E	Lea	NM	SAN ANDRES	1964	6.0		10200	592	
GOODWIN #002	3002520651	32.7204323	-103.2928467	30	18S	37E	F	1980N	1980W	LEA	NM	SAN ANDRES			80467	45060	1492	
GOODWIN #002	3002520651	32.7204323	-103.2928467	30	18S	37E	F	1980N	1980W	LEA	NM	SAN ANDRES			69848	39130	1225	-
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	
NORTH HOBBS UNIT #001	3002505449	32.7530632	-103.21138	13	18S	37E	D	660N	660W	LEA	NM	SAN ANDRES			12100	4541	509	
BOBBI STATE WF UNIT #006	3002503978	32.7231979	-103.373436	29	18S	36E	В	990N	1650E	LEA	NM	SAN ANDRES			20882	11190	645	
STATE NG #001	3002522795	32.7349815	-103.3057404	24	18S	36E	G	1980N	1980E	LEA	NM	SAN ANDRES	1968	6.5	265665	157000	98	
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	19S	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	19S	36E	J	1980S	1980E	Lea	NM	SAN ANDRES	1964	6.5		16406	611	
GRAHAM STATE NCT F #003	3002512476	32.6149902	-103.3056641	36	19S	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

Attachment 5

Page 22 of 50

Burrow SWD State #1 - Water Well Map



9/1/2023, 1:06:00 PM

GIS WATERS PODs

- Plugged
- Active •
- Pending

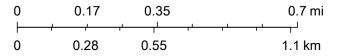
0

Sections

Incomplete

• Capped

1:18,056



OSE SLO, Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, NGA, USGS

			Water Well Sampling Table		
Water Well ID	OSE Status	Owner	Available Contact Information	Use	Notes
L 02200 POD4	Active	DCP MIDSTREAM L.P.	Dcp Midstream L.p. 10 Desta Dr Suite 400 W Midland, TX 79705	Industrial	Industrial use - not fresh water supply well
L 02200 POD6	Active	DCP MIDSTREAM L.P.	Dcp Midstream L.p. 10 Desta Dr Suite 400 W Midland, TX 79705	Industrial	Industrial use - not fresh water supply well
L 02200 POD5	Active	DCP MIDSTREAM L.P.	Dcp Midstream L.p. 10 Desta Dr Suite 400 W Midland, TX 79705	Industrial	Industrial use - not fresh water supply well
L 01611	Active	CARLIN	Bruce Alene Carlin Po Box 61 Hobbs, NM 88241	Irrigation	Unable to contact landowner after multiple attempts. Will continue attempting to contact and sample.
L 09375	Inactive	CARLIN	Bruce Alene Carlin Po Box 61 Hobbs, NM 88241	Irrigation	OSE Records ididcate water well is inactive.
L 02490	Active	LINAM	Virgil Linam Box 743 Hobbs, NM 88240	Livestock watering	Unable to contact landowner after multiple attempts. Will continue attempting to contact and sample.
L 02429	Plugged	LAMANCE DRILLING COMPANY	Lamance Drilling Company Box 2686 Midland, TX	Prospecting	O&G Prospecting - not fresh water supply well
L 02647	Active	LINAM	Virgil Linam Box 743 Hobbs, NM 88240	Livestock watering	Unable to contact landowner after multiple attempts. Will continue attempting to contact and sample.
L 02648	Active	LINAM	Virgil Linam Box 743 Hobbs, NM 88240	Domestic	Unable to contact landowner after multiple attempts. Will continue attempting to contact and sample.
L 03153	Plugged	OSCAR BOURG DRLG. CO.	Oscar Bourg Drlg. Co. C/o O.r. Musslewhite Hobbs, NM	Prospecting	O&G Prospecting - not fresh water supply well
L 02968	Pending	HUMBLE OIL & REFINING COMPANY	Humble Oil & Refining Company Box 1287 Roswell, NM	Prospecting	O&G Prospecting - not fresh water supply well
L 02010	Pending	LINAM	Virgil Linam Box 743 Hobbs, NM 88240	Irrigation	Unable to contact landowner after multiple attempts. Will continue attempting to contact and sample.
L 01610	Active	CARLIN	Bruce Alene Carlin Po Box 61 Hobbs, NM 88241	Irrigation	Unable to contact landowner after multiple attempts. Will continue attempting to contact and sample.
L 10031	Active	COOPER	Jimmy B. Cooper Box 36 Monument, NM 88265	Livestock watering	Unable to contact landowner after multiple attempts. Will continue attempting to contact and sample.
L 02008	Inactive	LINAM	Virgil Linam Box 743 Hobbs, NM 88240	Irrigation	OSE Records indicate water right was cancelled.
L 01473 POD2	Capped	LINAM	Virgil Linam Box 743 Hobbs, NM 88240	Irrigation	OSE Records indicate well is capped.
L 01473 POD3	Active	CARLIN	Bruce Alene Carlin Po Box 61 Hobbs, NM 88241	Irrigation	Unable to contact landowner after multiple attempts. Will continue attempting to contact and sample.
L 02200	Inactive	DCP MIDSTREAM L.P.	Dcp Midstream L.p. 10 Desta Dr Suite 400 W Midland, TX 79705	Industrial	Industrial use - not fresh water supply well
L 02201	Plugged	DCP MIDSTREAM L.P.	Dcp Midstream L.p. 10 Desta Dr Suite 400 W Midland, TX 79705	Industrial	Industrial use - not fresh water supply well
L 02200 S	Inactive	DCP MIDSTREAM L.P.	Dcp Midstream L.p. 10 Desta Dr Suite 400 W Midland, TX 79705	Industrial	Industrial use - not fresh water supply well
L 02200 POD3	Active	DCP MIDSTREAM L.P.	Dcp Midstream L.p. 10 Desta Dr Suite 400 W Midland, TX 79705	Industrial	Industrial use - not fresh water supply well
Notes:		•	-		

Attachment 6

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 24, 2023 and ending with the issue dated August 24, 2023.

Publisher

Sworn and subscribed to before me this 24th day of August 2023.

lack

Business Manager

My commission expires January 29, 2027

(Seal) STATE OF NEW MEXICO NOTARY PUBLIC GUSSIE RUTH BLACK COMMISSION # 1087526 COMMISSION EXPIRES 01/29/2027

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

67117907

00281925

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

LEGAL NOTICE August 24, 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 Oll Conservation Division seeking administrative approval for commercial saltwater injection into its Burrow SWD State #1. This will be a new well located 458' FNL & 1,612' FWL Section 5 Township 19S Range 37E in Lea County, New Mexico. The purpose of the well is to inject produced water from permitted oil and cas wells in the area for water from permitted oil and gas wells to inject produced commercial disposal into the San Andres formation at depths of 4,330' – 5,629' at a maximum surface injection pressure of 866 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. #00281925

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	
STATE LAND OFFICE	P.O. Box 1148	10/13/2023
STATE LAND OFFICE	Santa Fe, NM 87504	
	Site Mineral Owner	
STATE LAND OFFICE	P.O. Box 1148	10/13/2023
	Santa Fe, NM 87504	
	OCD District	40/40/0000
OCD - DISTRICT 1	1625 N. French Drive Hobbs, NM 88240	10/13/2023
	Leaseholders	
	200 N Loraine St Ste 400	
SOUTHWEST ROYALTIES INC	Midland, TX 79701	10/13/2023
	17 th Floor HNG Bldg.	40/42/2022
APCO OIL CORP	Houston, TX 77002	10/13/2023
	Land Dept. Loc. 115	
XTO HOLDINGS LLC	22777 Springwoods Village Pkwy.	10/13/2023
	Spring, TX 773891425	
MORGAN OPERATING, INC.	P.O, Box 118 Hobbs, NM 88241	10/13/2023
	9900 Spectrum Drive	
ENERGY ACUMEN LLC	Austin, TX 78717	10/13/2023
	P.O. Box 840	40/40/2022
HESS CORPORATION	Seminole, TX 79360	10/13/2023
LEACO NEW MEXICO EXPL. AND	2121 Sage Road Suite 325	10/13/2023
PROD., LLC	Houston, TX 77056	10/10/2020
MAVERICK PERMIAN LLC	1000 Main Street, Suite 2900	10/13/2023
M	Houston, TX 77002	
IVI	9048 E. Pomegranate St.	
Mary E. Kowalczyk (Trustee)	Tuscon, Arizona 85730	10/13/2023
	c/o Bryan Frazier	
Wells Fargo Bank (Trustee of the	201 Main Street, Suite 400	10/13/2023
James Virgil Linam Trust)	Fort Worth, Texas 76102	
George Linam Klein (Trustee)	P.O. Box 541382	10/13/2023
	Grand Prairie, Texas 75054	10,10,2020
	c/o John Chiles Graham	10/12/2022
The Allar Company	P.O. Box 1567 Graham, Texas 76450	10/13/2023
	c/o Brent J. Morse	
Morse Energy Partners, LLC	410 17th Street, Suite 1150	10/13/2023
	Denver, Colorado 80202	
Janice L. Edgar	3208 West 186th Street	10/13/2023
Jamoe L. Luyai	Torrance, California 90504	10/13/2023
Michael Harrison Moore (Trustee)	P.O. Box 51570	10/13/2023
	Midland, Texas 79710	
Richard Lyons Moore (Trustee)	c/o Terry L. Farmer, RPL 16400 Dallas Parkway, Suite 400	10/13/2023
	Dallas, Texas 75248	10/13/2023
	11004 West Love Drive	10/10/0000
Estate of Elouise Mae Linam	Odessa, TX 79764	10/13/2023
	c/o Kenneth A. Breitenbach	
KAB Acquisition LLLP-IX, LP	240 St. Paul Street, #503	10/13/2023
	Denver, Colorado 80206	

Statement of Affected Person Notification

Dios Del Mar Petroleum, Inc.	c/o Crystal H. Hathaway P.O. Box 621128 Littleton, Colorado 80162	10/13/2023
MDC Partners, LLC	c/o Joe Freeman 3415 South Clayton Boulevard Englewood, Colorado 80113	10/13/2023
Louis Ray Thorp (Self & Trustee)	401 East Stanolind Road Hobbs, New Mexico 88240	10/13/2023
JoAn Hollen	950 SW Bryson Street Dallas, OR 97338	10/13/2023
Estate of Dayton Ray Thorp	29200 Ferncrest Dr. Rainier, OR 97048	10/13/2023
Susan Oren Ritenour	687 SW Augustus Dr. Dallas, OR 97338	10/13/2023
Mary Jo Fay Thorp	950 SW Bryson Street Dallas, OR 97338	10/13/2023
Estate of Lonnie Gilbert Hill, Jr.	c/o Ben Louis Hill 2279 County Road 314 Seminole, Texas 79360	10/13/2023
B. Etolia Scantling (Trustee)	7304 Camellia Lane Stockton, California 95207	10/13/2023
Lance Allen Hutchison	4102 Avalon Lane Baytown, Texas 77521	10/13/2023
Clifford Cone	P.O. Drawer 64720 Lubbock, Texas 79464	10/13/2023
Tom R. Cone	P.O. Box 400 Southwest City, Missouri 64863	10/13/2023
Cathie Cone Auvenshine McCown	P.O. Box 658 Dripping Springs, Texas 78620	10/13/2023
Kenneth G. Cone	c/o Cathie McCown, AIF P.O. Box 658 Dripping Springs, Texas 78620	10/13/2023
Marilyn Cone (Trustee)	P.O. Box 1545 Lubbock, Texas 79408	10/13/2023
Estate of Donna Ruth Vandagriff Nichols	c/o Sidney Charles Nichols 3836 E 142nd St. N Skiatook, OK 74070+3795	10/13/2023
Tracy June Spivey	708 County Road 389 Gorman, Texas 76454	10/13/2023
Estate of Lula Elizabeth Dunnam Ward	c/o Judy Mae Crane, Representative 12600 Brickstone Ct. Oklahoma City, OK 73142	10/13/2023
Loretta D. Lowe	1200 Barton Creek Boulevard, Apt. 2 Austin, Texas 78735	10/13/2023
Triune, LLC	c/o Nathan Lowe, Manager 2313 Broadway Lubbock, Texas 79401	10/13/2023
Robert Thomas Hartley, LLC	P.O. Box 1024 Clovis, New Mexico 88102	10/13/2023
Teddy Lowe Hartley, LLC	918 Curran Drive Clovis, New Mexico 88101	10/13/2023
Kerry Allen Vandagriff	7000 Shalidar Drive Knoxville, Tennessee 37921	10/13/2023
Kristi Jill Vandagriff	619 Forest Shore Drive Miramar Beach, Florida 32550	10/13/2023
Estate of Frances Virginia Nelson Prather	c/o Dana Rex Prather 317 E. Orchard Lane Carlsbad, NM 88220	10/13/2023
Casey Thorp	P.O. Box 91 Oracle, Arizona 85623	10/13/2023

.

Statement of Affected Person Notification

Ronnie Dudley Thorp and Kathleen M. Thorp (Co-Trustees)	1180 East Avenida Ellena Casa Grande, Arizona 85122	10/13/2023
Vivian Lowe Anselmi	4904 97th Street Lubbock, Texas 79424	10/13/2023
Kaye Lowe Atcheson (Trustee)	P.O. Box 64595 Lubbock, Texas 79464	10/13/2023
Estate of Ronnie P. Lowe	c/o Victoria Hunter Lowe, Executrix P.O. Box 549 Tombstone, AZ 85638	10/13/2023
Karen Elaine Matthews	2131 Ridge Crest Drive Richardson, Texas 75080	10/13/2023
Kevin Carl Cooley	369 Highway 290 Meeteetse, Wyoming 82433	10/13/2023
Terry Jo Glenn	1703 Creekmere Drive Canyon, Texas 79015	10/13/2023
Marvin Andrew Lawson	18114 Briden Oak Court Spring, Texas 77379	10/13/2023
Allen Edward Neudauer	1051 Site Drive, Space 200 Brea, California 92821	10/13/2023
Jess "Jay" Dean Neudauer	15 Sherry Rancho Mirage, California 92270	10/13/2023
M. Dion Lowe	7801 Espanola Trail Austin, Texas 78737	10/13/2023
Debra Lowe Finn	P.O. Box 13715 Tuscon, Arizona 85732	10/13/2023
Mekusukey Oil Company, LLC	201 South Mekusukey Avenue Wewoka, Oklahoma 74884	10/13/2023
Estate of Ruth Beglau	c/o David F. Beglau 16319 Anthol Street Fontana, California 92335	10/13/2023
Sean Thomas Lowe	P.O. Box 893 Homer, Alaska 99603	10/13/2023
Adrian Michael Lowe	3648 Fore Circle Farmers Branch, Texas 75234	10/13/2023
Elva Bethene Dunnam Wilson	1894 Nova Lane Richland, Washington 99352	10/13/2023
Jerry Herman Dunnam	2016 Marina Point Court Frisco, Texas 75036	10/13/2023
Lola Janette Henington	10797 South Monaco Street Lone Tree, Colorado 80124	10/13/2023
Tammy L. Henderson	8021 North FM 620, Apt. 1022 Austin, Texas 78726	10/13/2023
Shana Lowe Conine	P.O. Box 5883 Granbury, Texas 76049	10/13/2023
Chad S. Conine	310 N. 40th Street Waco, Texas 76710	10/13/2023
Chaney Conine Cockrell	P.O. Box 5321 Granbury, Texas 76049	10/13/2023
Calley Conine Durant	2419 Rock Church Highway Tolar, Texas 76476	10/13/2023
Kelly Lowe Read	302 Country Club Lane Levelland, Texas 79336	10/13/2023
Haley Day Lowe Erdlen	7 Meadowood Road Bryn Mawr, Pennsylvania 19010	10/13/2023
Lauren Lowe Matthews	3613 Hamilton Ave. Fort Worth, TX 76107-1703	10/13/2023
Lowe Family, Ltd.	c/o Shana Lowe Conine, General Partner P.O. Box 5883 Granbury, Texas 76049	10/13/2023

Statement of Affected Person Notification

Clint Neudauer	34208 Island Drive Leesburg, Florida 34788	10/13/2023
LDL Lowe Family Partnership, Ltd.	c/o Loretta D. Lowe, President 1200 Barton Creek Boulevard, Apt. 2 Austin, Texas 78735	10/13/2023
Lowe Minerals and Land Family Partnership, Ltd.	c/o Nathan Lowe, Registered Agent 2313 Broadway Lubbock, Texas 79401	10/13/2023
Kay Colloway Newton	5004 Woodrow Road Lubbock, Texas 79424	10/13/2023
Lewanda Jean Crumpton Onstead	P.O. Box 4530 Ruidoso, New Mexico 88355	10/13/2023



To purchase or for printing instructions, go to store stamps com

Covered by and/or for use with U.S. Patents 7,216,110; 7,490.065; 7.613.639; 8.027.935; and 8.046.823.





To purchase or for printing instructions, go to store stamps com

Covered by and/or for use with U.S. Patents 7,216,110; 7,490,065; 7,613,639; 8,027,935; and 8,046,823.





To purchase or for printing instructions, go to store stamps com

Covered by and/or for use with U.S. Patents 7,216,110; 7,490,065; 7,613,639; 8,027,935; and 8,046,823





To purchase or for printing instructions go to store stamps com

Covered by and/or for use with U.S. Patents 7,216,110; 7,490.065; 7,613,639; 8,027,935; and 8,046,823.





To purchase or for printing instructions, go to store stamps com

Covered by and/or for use with U.S. Patents 7,216,110; 7,490,065; 7,613,639; 8,027,935; and 8,046,823





To purchase or for printing instructions, go to store stamps com

Covered by and/or for use with U.S. Patents 7,216,110; 7 490.065; 7.613.639; 8.027.935; and 8.046.823.





To purchase or for printing instructions, go to store stamps com

Covered by and/or for use with U.S. Patents 7,216,110; 7,490,065; 7,613,639; 8,027,935; and 8,046,823





To purchase or for printing instructions, go to store stamps com





To purchase or for printing instructions on to store stamps com





To purchase or for printing instructions go to store stamps com





To purchase or for printing instructions, go to store stamps com





To purchase or for printing instructions, go to store stamps com





To purchase or for printing instructions, go to store stamps com





To purchase or for printing instructions, go to store stamps com





To purchase or for printing instructions, go to store stamps com





To purchase or for printing instructions, go to store stamps com





To purchase or for printing instructions, go to store stamps com





To purchase or for printing instructions, go to store stamps com





To purchase or for printing instructions, go to store stamps com





2313 Broadway Lubbock TX 79401-2916

Released to Imaging: 10/20/2023 1:57:45 PM

To purchase or for printing instructions, go to store stamps com



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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
Pilot Water Solutions SWD LLC	331374
20 Greenway Plaza, Suite 200	Action Number:
Houston, TX 77046	277797
	Action Type:
	[IM-SD] Admin Order Support Doc (ENG) (IM-AAO)
	•

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	10/20/2023

Action 277797