

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

**APPLICATION OF SOLARIS WATER
MIDSTREAM, LLC FOR APPROVAL
OF A SALTWATER DISPOSAL WELL,
LEA COUNTY, NEW MEXICO**

Case No. _____

APPLICATION

Pursuant to 19.15.26.8 NMAC, Solaris Water Midstream, LLC (“Solaris”) requests that the New Mexico Oil Conservation Division (“Division”) issue an order approving a saltwater disposal well in Lea County, New Mexico. In support of its application, Solaris states the following.

1. Solaris (OGRID No. 371643) seeks an order approving its proposed Sims 8 SWD Well #1, to be drilled at a location 900’ from the south line and 270’ from the west line, in Unit M of Section 8, Township 20 South, Range 36 East, Lea County, New Mexico for the purpose of operating the Sims 8 SWD Well #1 as a saltwater disposal well.
2. Solaris seeks authorization to inject produced water into the Devonian-Silurian Formations (SWD; Devonian-Silurian Pool; Code 97869) at a depth of approximately 12,005 feet to 13,370 feet.
3. Solaris proposes to inject an average of 25,000 barrels of water per day up to a maximum of 40,000 barrels of water per day.
4. Solaris requests that the Division approve a maximum surface injection pressure of 2,401 psi.
5. A Division Form C-108 is attached as Exhibit A.

6. An updated area of review map and accompanying list of wells is attached as Exhibit B, and an updated list of affected parties is attached as Exhibit C.

7. The granting of this application will prevent waste and protect correlative rights.

WHEREFORE, Solaris requests that this application be set for hearing on June 13, 2024, and that, after notice and hearing, the Division enter an order approving this application and authorizing Solaris to inject produced water into the Sims 8 SWD Well #1 well for disposal.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy

Jaclyn M. McLean

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

Facsimile: (505) 982-8623

dhardy@hinklelawfirm.com

jmclean@hinklelawfirm.com

Counsel for Solaris Water Midstream, LLC

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: <u>Solaris Water Midstream, LLC</u>	OGRID Number: <u>371643</u>
Well Name: <u>Sims 8 SWD #1</u>	API: <u>30-025</u>
Pool: <u>SWD; Devonian- Silurian</u>	Pool Code: <u>97869</u>

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
- A. Location – Spacing Unit – Simultaneous Dedication
 NSL NSP (PROJECT AREA) NSP (PRORATION UNIT) SD
- B. Check one only for [I] or [II]
- [I] Commingling – Storage – Measurement
 DHC CTB PLC PC OLS OLM
- [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
- A. Offset operators or lease holders
 B. Royalty, overriding royalty owners, revenue owners
 C. Application requires published notice
 D. Notification and/or concurrent approval by SLO
 E. Notification and/or concurrent approval by BLM
 F. Surface owner
 G. For all of the above, proof of notification or publication is attached, and/or,
 H. No notice required

FOR OCD ONLY

Notice Complete

Application Content Complete

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.

Whitney McKee

 Print or Type Name

1-15-2020

 Date

432-203-9020 ext 9005

 Phone Number

 Signature

whitney.mckee@solarismidstream.com

 e-mail Address

Side 2

III. WELL DATA [See Addendum](#)

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE [See Addendum](#)

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

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

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

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

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



January 15th, 2020

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

Attn: Ms. Adrienne Sandoval, Director

Re: Application of Solaris Water Midstream, LLC to drill and permit for saltwater disposal
Slms 8 SWD Well #1, to be located in Section 8, Township 20 South, Range 36
East, NMPM, Lea County, New Mexico.

Dear Ms. Sandoval,

Please find the enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request for saltwater disposal. The well will be operated as a commercial endeavor offering operators in the area additional options for produced water disposal.

Solaris Water Midstream is a major provider of saltwater disposal services to operators in southeast New Mexico and seeks to optimize efficiency, both economically and operationally, of all its operations. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

I would point out that this application for a proposed Devonian SWD interval is part of a larger produced water recycling facility. A published legal notice will run this week in the Hobbs News Sun and all offset operators and other interested parties have been notified individually. The legal notice affidavit will be forwarded upon receipt. This application also includes a wellbore schematic, area of review maps, affected party plat and other required information for a complete Form C-108. The well is located on State Trust Land and minerals. There are state lands & minerals within the one-mile radius notice area; the State Land Office and offset operators have been notified of this application.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Thank you,

A handwritten signature in blue ink that reads "Whitney McKee".

Whitney McKee

Solaris Water Midstream, LLC

Regulatory Specialist

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 4.5" Lining Material: Duoline Glassbore

Type of Packer: Nickel Alloy Permanent

Packer Setting Depth: 11905'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? XXX Yes No

If no, for what purpose was the well originally drilled? _____

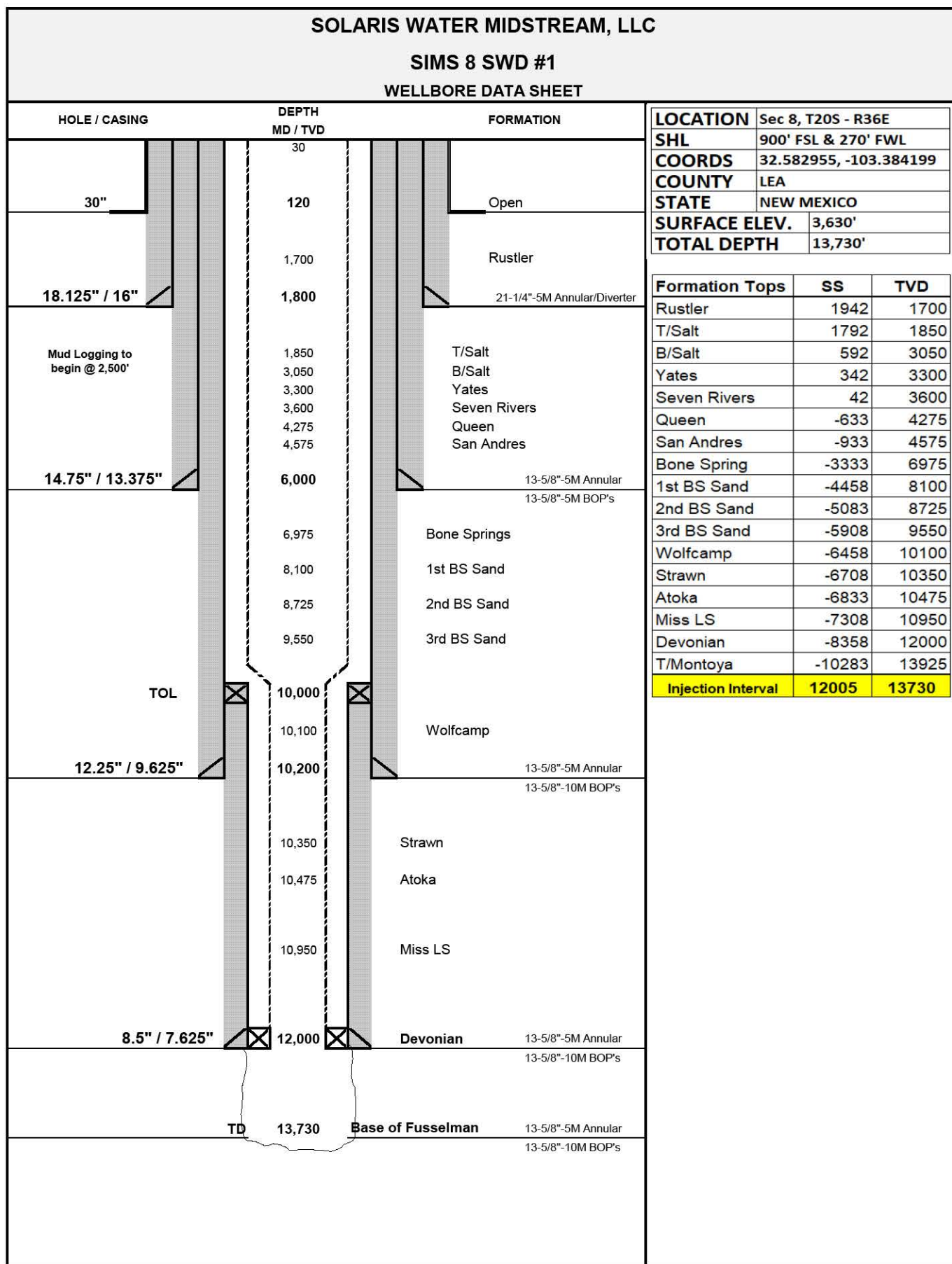
2. Name of the Injection Formation: Devonian-Silurian

3. Name of Field or Pool (if applicable): SWD; Devonian - Silurian

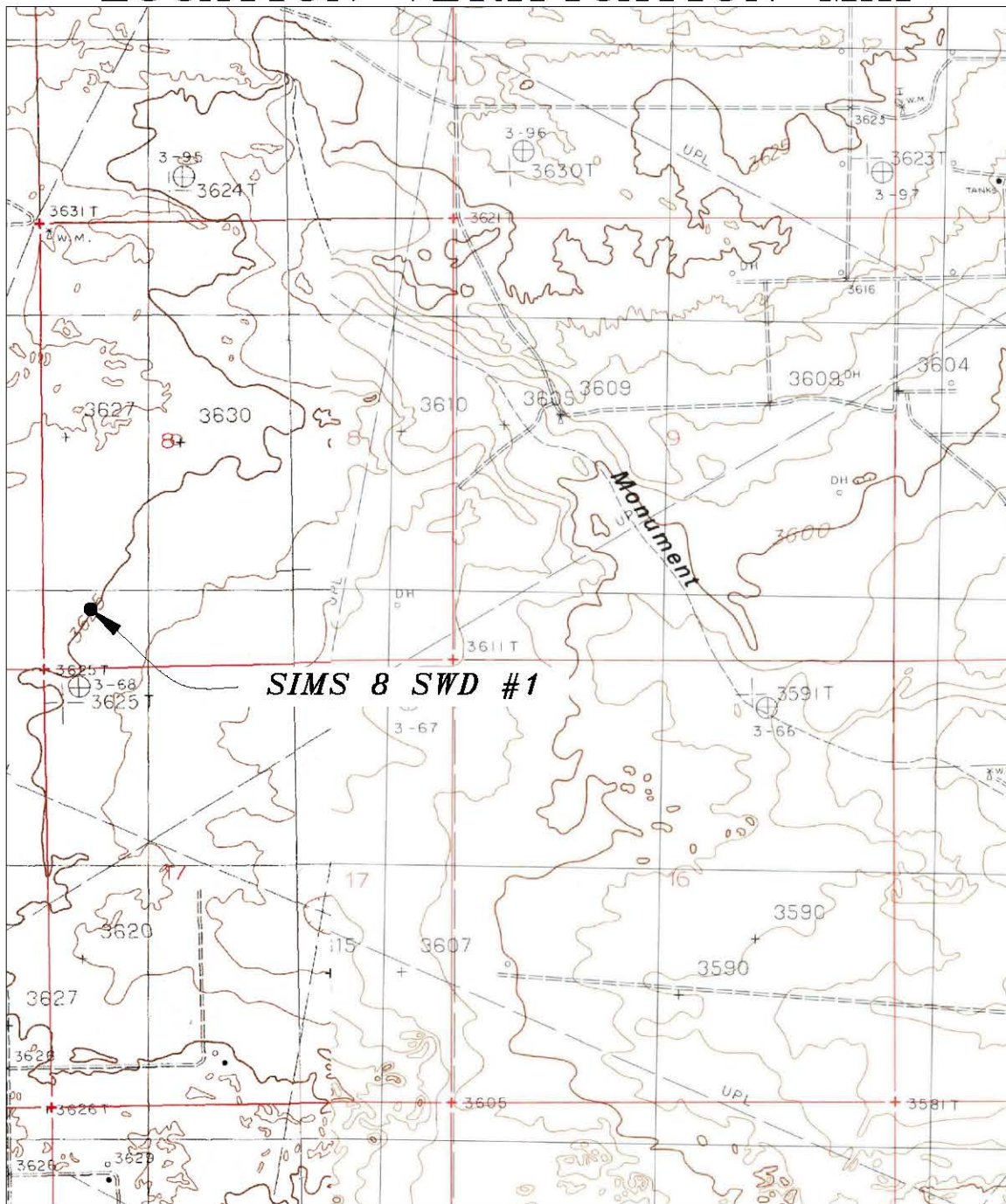
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Over: Queen (4275'), Penrose (4375'), San Andres (4575'), Bone Spring (6975'), Wolfcamp (10100'), Atoka (10475'), Morrow (10950'), Barnett (11250')

Under: None



LOCATION VERIFICATION MAP



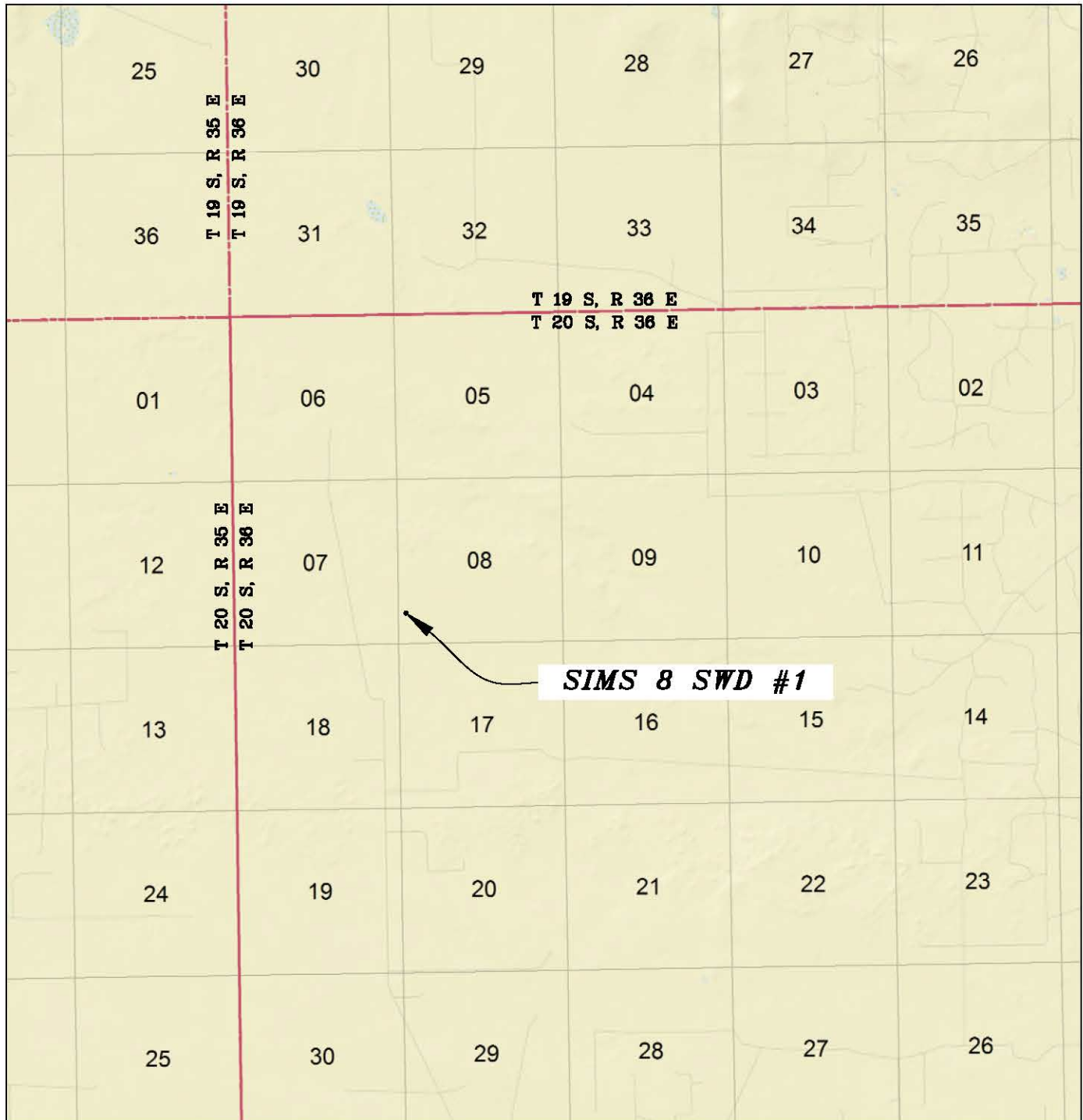
SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 08 TWP. 20-S RGE. 36-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 900' FSL & 270' FWL
 ELEVATION 3,630.3'
 OPERATOR SOLARIS WATER MIDSTREAM, LLC
 LEASE SIMS 8 SWD #1
 U.S.G.S. TOPOGRAPHIC QUAD MAP
LEA, N.M.

SOLARIS WATER MIDSTREAM, LLC		
SURVEY DATE: OCTOBER 15, 2019	PAGE: 1 OF 1	
DRAFTING DATE: OCTOBER 18, 2019		
APPROVED BY: RLM	DRAWN BY: DDSI	FILE: SIMS 8 SWD #1

VICINITY MAP

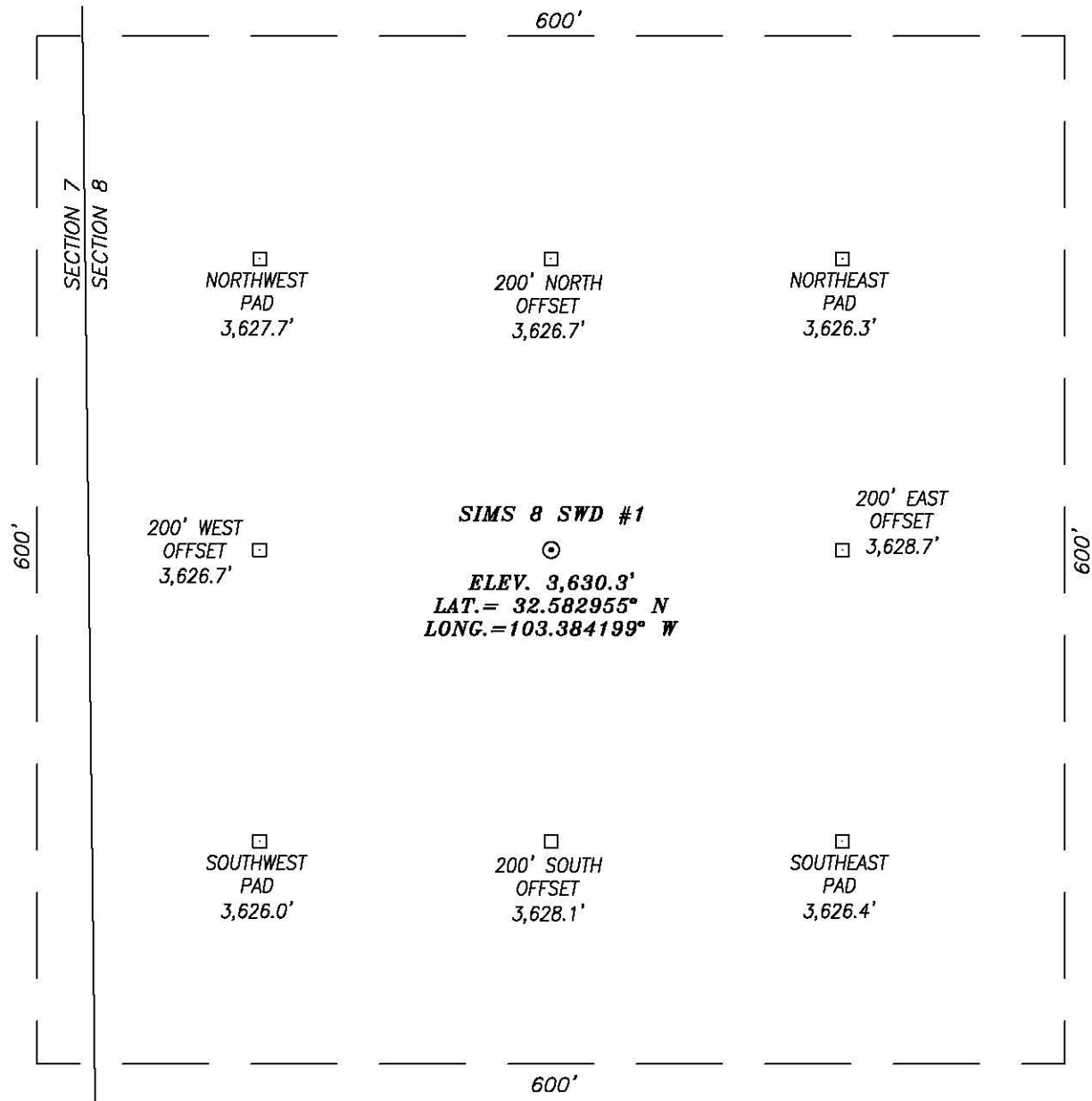


SEC. 08 TWP. 20-S RGE. 36-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 900 FSL & 270' FWL
 ELEVATION 3,630.3'
 OPERATOR SOLARIS WATER MIDSTREAM, LLC
 LEASE SIMS 8 SWD #1
 U.S.G.S. TOPOGRAPHIC QUAD MAP
LEA, N.M.

SCALE: 1" = 1 MILE

SOLARIS WATER MIDSTREAM, LLC		
SURVEY DATE: OCTOBER 15, 2019	PAGE: 1 OF 1	
DRAFTING DATE: OCTOBER 18, 2019		
APPROVED BY: RLM	DRAWN BY: DDSI	FILE: SIMS 8 SWD #1

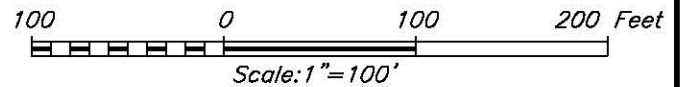
SECTION 8, TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION:

FROM HWY 176 AND COUNTY RD 30 (A.K.A. PEARSON RD) TRAVEL NORTH 4.3 MILES ON PEARSON ROAD, TURN LEFT ON LEASE RD, AND CONTINUE FOR 1.1 MILES, TURN RIGHT ON LEASE RD, AND CONTINUE FOR 2.4 MILES, TURN RIGHT ON LEASE RD, AND CONTINUE FOR APPROXIMATELY 0.4 MILES TO SIMS 8 SWD #1.

NOTE:
ELEVATIONS SHOWN ARE RELATED TO N.A.V.D. 1988 AS DERIVED FROM GPS OBSERVATION FROM AN OPUS SOLUTION 10/03/2019



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

SOLARIS WATER MIDSTREAM, LLC

SIMS 8 SWD #1
LOCATED 900 FEET FROM THE SOUTH LINE
AND 270' FEET FROM THE WEST LINE OF SECTION 8,
TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: OCTOBER 15, 2019	PAGE: 1 OF 1
DRAFTING DATE: OCTOBER 18, 2019	
APPROVED BY: RLM	DRAWN BY: DDSI
	FILE: SIMS 8 SWD #1

DISTRICT I
1026 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-8161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., ARTESIA, NM 88810
Phone: (575) 749-1863 Fax: (575) 748-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-8178 Fax: (505) 334-8170

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3488

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-102
Revised August 1, 2011
Submit one copy to Appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number	Pool Code 97869	Pool Name SWD; DEVONIAN – SILURIAN
Property Code	Property Name SIMS 8 SWD #1	Well Number #1
OGRID No. 371643	Operator Name SOLARIS WATER MIDSTREAM, LLC	Elevation 3630.3'

Surface Location


UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
-	8	20-S	36-E		900	SOUTH	270	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
-	8	20-S	36-E		900	SOUTH	270	WEST	LEA

Dedicated Acres 3.67	Joint or Infill	Consolidation Code	Order No.
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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

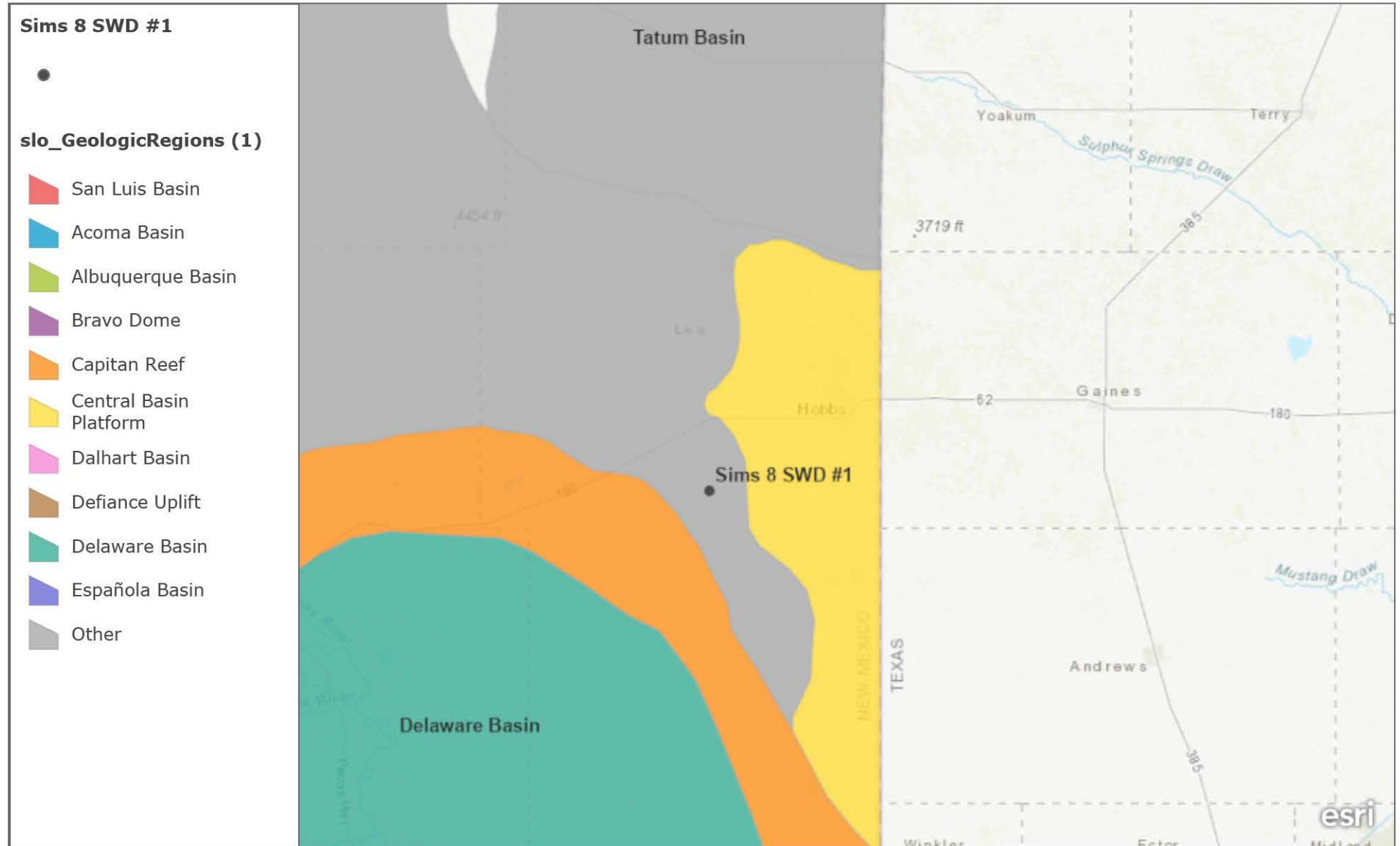
<p>NW CORNER SEC. 8 Y=581501.23 N X=833391.62 E</p> <p>N/4 CORNER SEC. 8 Y=581523.60 N X=836039.36 E</p> <p>NE CORNER SEC. 8 Y=581546.46 N X=838687.66 E</p> <p>W/4 CORNER SEC. 8 Y=578855.99 N X=833406.95 E</p> <p>E/4 CORNER SEC. 8 Y=578903.91 N X=838695.71 E</p> <p>N.A.D. 83-NM EAST, US SURVEY FEET SURFACE LOCATION Y=577113.88 N X=833686.54 E LAT.= 32.582955° N LONG.=103.384199° W</p> <p>270' S.L.</p> <p>900'</p> <p>SW CORNER SEC. 8 Y=576211.36 N X=833421.45 E</p> <p>S/4 CORNER SEC. 8 Y=576234.96 N X=836062.14 E</p> <p>SE CORNER SEC. 8 Y=576259.07 N X=838703.01 E</p>	<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail address _____</p> <hr/> <p>SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>OCTOBER 21, 2019</p> <p>Date Surveyed _____</p> <p>Signature & Seal of Professional Surveyor <i>Chris Carlson</i></p>  <p>Certificate No. CHRIS E. CARLSON 24876</p>
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C- 108 Item VI Area of Review Well Data

Sims 8 SWD #1

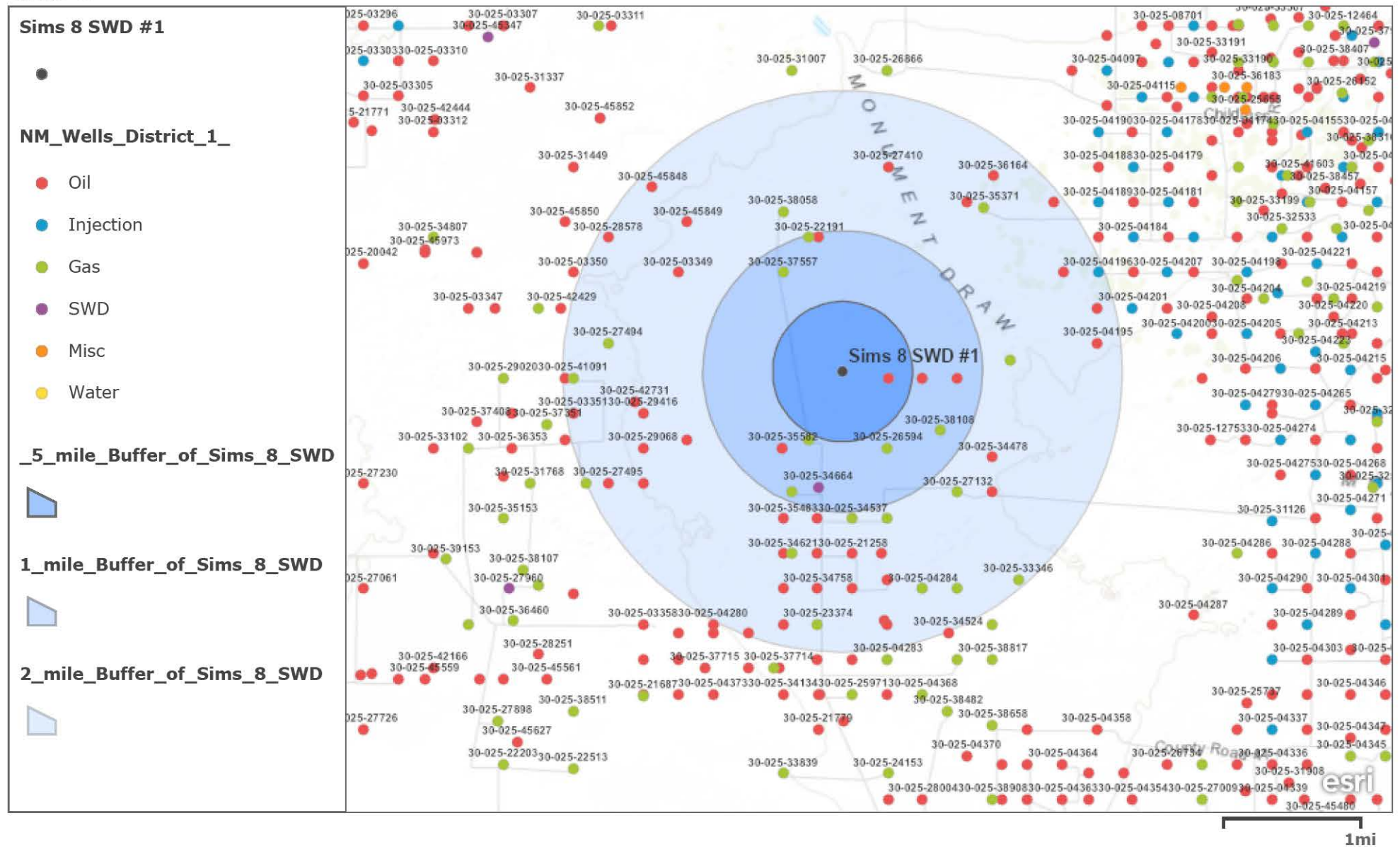
There are no wells which penetrate the proposed Devonian formation in the one mile area of review.

Sims 8



Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS

Sims 8



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA

Extract_Data_Jan_30_2020_2_19_55_PM

API	wellname	well_type	ustr	ogrid	ogrid_name	status	tot_depth	spud_date	plug_date	eft_date	apr_date	spud_year	posid_id	symboly	URL
30-025-2664	AMERADA FEDERAL #002	G	F-17-205-36E	9892	HAMON OPERATING CO	P	11133	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[82160] OSUDDO, MORROW, NORTH (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-2664
30-025-2662	STATE E 8913 #002	O	K-20-205-36E	9892	HAMON OPERATING CO	P	11478	12/31/9999	8/1/1986	12/28/1988	10/1/1980	1990	[82160] OSUDDO, MORROW, NORTH (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-2662
30-025-21700	AMERADA FEDERAL #001	G	N-17-205-36E	9892	HAMON OPERATING CO	P	11580	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[82160] OSUDDO, MORROW, NORTH (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-21700
30-025-42731	TAYBERRIES 13 STATE #051H	O	B-13-205-36E	7377	EOG RESOURCES INC	A	10015	11/25/2015	12/31/9999	8/13/2015	8/12/2015	2015	[4270] FEATHERSTONE, BONE SPRING, EAST	GA	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-42731
30-025-22191	MALLARD ALVES #001	G	P-06-205-36E	155615	NADEL AND GUSMAN PERMIAN, LLC	P	12208	8/24/1995	1/1/2005	12/1/1997	8/18/1995	1995	[82160] OSUDDO, MORROW, NORTH (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-22191
30-025-95582	EXODUS STATE #001	O	G-18-205-36E	21602	TRILOGY OPERATING INC	C	0	12/31/9999	12/31/9999	1/23/2003	6/7/2001	9999		OC	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-95582
30-025-27132	AMERADA FEDERAL #003	G	I-17-205-36E	21602	TRILOGY OPERATING INC	P	11320	12/31/9999	5/13/1997	2/22/1996	6/1/1981	9999	[82160] OSUDDO, MORROW, NORTH (GAS); [96838] DRY AND ABANDONED	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-27132
30-025-35483	JEANNIE STATE #001	O	O-18-205-36E	21602	TRILOGY OPERATING INC	P	4610	4/7/2001	10/26/2004	3/30/2001	3/30/2001	2001	[96838] DRY AND ABANDONED	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-35483
30-025-34553	GENESIS STATE #001	O	P-18-205-36E	21602	TRILOGY OPERATING INC	P	4400	12/31/1998	1/6/2006	12/22/1998	12/22/1998	1998	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34553
30-025-38646	PALOMA 20 STATE COM #002H	G	H-20-205-36E	14744	MEWBOURNE OIL CO	C	999	12/31/9999	12/31/9999	11/26/2008	8/11/2007	9999	[82160] OSUDDO, MORROW, NORTH (GAS)	GC	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-38646
30-025-38058	NORTH OSUDDO 6 #001	G	J-06-205-36E	14744	MEWBOURNE OIL CO	A	12550	11/15/2006	12/31/9999	8/10/2006	8/10/2006	2006	[82160] OSUDDO, MORROW, NORTH (GAS)	GA	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-38058
30-025-34622	ARCO-HALL STATE #003	O	K-20-205-36E	25482	XERIC OIL & GAS CORP	P	4250	6/12/1999	4/13/2004	5/12/1999	6/12/1999	1999	[76480] EUMONT, YATES-7 RVRQ-QUEEN (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34622
30-025-39947	LIBERTY 4 #002	O	J-04-205-36E	18917	READ & STEVENS INC	P	9400	7/24/2002	8/5/2004	7/16/2002	7/16/2002	2002	[97243] WILDCAT G-05 S203804J, BONE SPRING	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-39947
30-025-36371	LIBERTY 4 #001	G	L-04-205-36E	18917	READ & STEVENS INC	A	13630	4/26/2001	12/31/9999	1/26/2001	1/26/2001	2001	[97155] OSUDDO, DEVONIAN, NORTH	GA	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-36371
30-025-35847	KLEIN 6 #001	O	I-05-205-36E	18917	READ & STEVENS INC	P	10933	3/1/2002	10/21/2013	2/26/2002	2/26/2002	2002	[97155] OSUDDO, DEVONIAN, NORTH; [97762] WILDCAT G-06 S203605I, STRAWN	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-35847
30-025-96164	LIBERTY 4 #003	O	E-04-205-36E	18917	READ & STEVENS INC	P	7200	2/27/2003	7/3/2003	2/21/2003	2/21/2003	2003	[96838] DRY AND ABANDONED	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-96164
30-025-25803	ROUNTREY #001	O	N-08-205-36E	24961	WESTERN OIL PRODUCERS INC	P	11688	8/29/1980	4/8/2005	3/1/1998	11/20/1996	1999	[80403] OSUDDO, BONE SPRING, NORTH	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-25803
30-025-23416	AMOCO STATE #002	O	B-13-205-36E	13954	MANZANO OIL CORP	C	0	12/31/9999	12/31/9999	1/1/1900	1/1/1900	9999		OC	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-23416
30-025-31883	SIMS STATE #001	O	M-12-205-36E	13954	MANZANO OIL CORP	P	11532	1/29/1993	6/25/1994	6/13/1994	4/1/1993	1993	[96063] LEA UNDESIGNATED, GROUP 2	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-31883
30-025-34902	AMOCO STATE #001	O	H-13-205-36E	13954	MANZANO OIL CORP	C	0	12/31/9999	12/31/9999	1/23/2003	1/27/2000	9999		OC	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34902
30-025-29068	AMOCO STATE #002	O	G-13-205-36E	13954	MANZANO OIL CORP	P	11200	12/31/9999	5/15/2000	2/1/1985	2/1/1985	9999	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-29068
30-025-34621	LISA STATE #002	O	B-19-205-36E	236790	XOG OPERATING LLO	P	4900	6/2/1999	7/8/2008	4/1/2006	5/12/1999	1999	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34621
30-025-34564	GENESIS STATE #003	S	I-18-205-36E	236790	XOG OPERATING LLO	A	4850	8/25/1999	12/31/9999	4/1/2006	6/23/1999	1999	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	SA	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34564
30-025-33346	OXY TIGER FEDERAL COM #001	G	F-21-205-36E	16996	OXY USA INC	P	11100	6/5/1997	2/25/1999	2/25/1999	3/11/1996	1997	[82160] OSUDDO, MORROW, NORTH (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-33346
30-025-41091	RANGER 12 STATE #001	G	M-12-205-36E	229937	MATADOR PRODUCTION COMPANY	P	11620	4/26/2013	2/13/2018	4/4/2013	4/4/2013	2013	[97155] OSUDDO, FEATHERSTONE, BONE SPRING, EAST; [80660] LEA, WOLFCAMP (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-41091
30-025-37491	RED RAIDER STATE #002	O	G-19-205-36E	229137	COG OPERATING LLO	P	10202	11/23/2005	6/19/2009	10/7/2006	10/7/2006	2006	[24270] FEATHERSTONE, BONE SPRING, EAST	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-37491
30-025-37557	RED RAIDER STATE #001	G	B-07-205-36E	229137	COG OPERATING LLO	A	12500	2/6/2006	12/31/9999	11/6/2005	11/6/2005	2005	[82160] OSUDDO, MORROW, NORTH (GAS)	GA	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-37557
30-025-25143	OSUDDO STATE COM #001	G	J-19-205-36E	229137	COG OPERATING LLO	A	11700	12/31/9999	12/31/9999	8/1/2005	1/1/1977	9999	[82160] OSUDDO, MORROW, NORTH (GAS)	GA	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-25143
30-025-37713	RED RAIDER STATE #003	G	B-19-205-36E	229137	COG OPERATING LLO	C	0	12/31/9999	12/31/9999	12/21/2009	2/17/2006	9999	[82160] OSUDDO, MORROW, NORTH (GAS)	GC	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-37713
30-025-36871	RED RAIDER STATE #001	O	K-19-205-36E	229137	COG OPERATING LLO	P	11911	11/1/2004	6/18/2015	7/25/2005	9/16/2004	2004	[24270] FEATHERSTONE, BONE SPRING, EAST; [82160] OSUDDO, MORROW, NORTH (GAS)	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-36871
30-025-04196	REED SANDERSON UNIT #016	I	A-09-205-36E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	10640	12/31/9999	4/3/2013	6/2/2011	1/1/1900	9999	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	IP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-04196
30-025-21258	STATE E #001	O	D-20-205-36E	4323	CHEVRON U S A INC	A	11457	3/3/1955	12/31/9999	10/9/2012	2/8/1996	1955	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	OA	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-21258
30-025-45848	CENTAUR 0112 STATE COM #002H	O	J-01-205-36E	373013	Ridge Runner Resources Operating, LLC	N	0	12/31/9999	12/31/9999	4/25/2019	4/25/2019	9999	[96585] WC-025 G-06 S203511G, BONE SPRING	ON	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-45848
30-025-45849	CENTAUR 0112 STATE COM #003H	O	P-01-205-36E	373013	Ridge Runner Resources Operating, LLC	N	0	12/31/9999	4/25/2019	4/25/2019	4/25/2019	9999	[96585] WC-025 G-06 S203511G, BONE SPRING	ON	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-45849
30-025-26733	ADAMS 16 STATE #001	O	L-16-205-36E	169415	FALCON CREEK RESOURCES, INC.	P	11145	5/22/1980	8/20/1998	7/16/1998	7/16/1998	1980	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-26733	
30-025-34478	FOR 16 STATE #001	O	E-16-205-36E	169415	FALCON CREEK RESOURCES, INC.	C	0	12/31/9999	12/31/9999	6/7/2000	7/31/1998	9999		OC	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34478
30-025-34475	FOR 20 STATE #002	O	F-20-205-36E	4323	CHEVRON U S A INC	P	4900	5/24/1999	9/1/2017	10/9/2012	7/29/1998	1998	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34475
30-025-34537	FALCON CREEK 17 FEDERAL #001	G	M-17-205-36E	147179	CHESAPEAKE OPERATING, INC.	P	4200	12/8/1998	6/29/2005	12/18/2001	11/30/1998	1998	[76480] EUMONT, YATES-7 RVRQ-QUEEN (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34537
30-025-34511	FOR 20 STATE #003	O	G-20-205-36E	147179	CHESAPEAKE OPERATING, INC.	P	4200	10/12/1998	4/16/2012	12/18/2001	10/2/1998	1998	[76480] EUMONT, YATES-7 RVRQ-QUEEN (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34511
30-025-34474	FOR 20 STATE #001	O	C-20-205-36E	147179	CHESAPEAKE OPERATING, INC.	P	4150	8/10/1998	4/12/2012	12/18/2001	7/29/1998	1998	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34474
30-025-34559	LISA STATE #001	O	A-19-205-36E	371563	BLUE RUBY OPERATING, LLC	A	4890	3/31/1999	12/31/9999	2/4/2019	12/28/1998	1999	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	OA	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34559
30-025-34758	LISA STATE #003	O	H-19-205-36E	371563	BLUE RUBY OPERATING, LLC	A	4200	12/20/1999	12/31/9999	2/4/2019	11/8/1999	1999	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	OA	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-34758
30-025-27362	PRE-ONGARD WELL #001	O	O-08-205-36E	214263	PRE-ONGARD WELL OPERATOR	C	0	12/31/9999	12/31/9999	1/1/1900	1/1/1900	9999		OC	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-27362
30-025-27495	PRE-ONGARD WELL #001	O	K-13-205-36E	214263	PRE-ONGARD WELL OPERATOR	C	0	12/31/9999	12/31/9999	1/1/1900	1/1/1900	9999		OC	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-27495
30-025-28578	PRE-ONGARD WELL #001	O	N-01-205-36E	214263	PRE-ONGARD WELL OPERATOR	P	10900	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-28578
30-025-04194	PRE-ONGARD WELL #001	O	H-09-205-36E	214263	PRE-ONGARD WELL OPERATOR	P	4300	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[22800] EUMONT, YATES-7 RVRQ-QUEEN (OIL)	OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-04194
30-025-04197	PRE-ONGARD WELL #002	O	B-09-205-36E	214263	PRE-ONGARD WELL OPERATOR	P	4375	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-04197
30-025-38108	MONUMENT 17 #001	G	A-17-205-36E	115970	UNIT PETROLEUM CO	P	99999	1/6/2007	3/27/2007	8/1/2006	8/1/2006	2007	[82160] OSUDDO, MORROW, NORTH (GAS)	GP	https://www.wapps.emrmd.state.nm.us/ocd/ocdpermitting/Data/WelDetails.aspx?api=30-025-38108
30-025-38258	MONUMENT 9 FEDERAL #001	G	M-09-205-36E</												

C- 108 Item X Logs and Available Test Data

Sims 8 SWD #1

A Standard Suite of Logs will be run after drilling the well and submitted to the Division.

C- 108 Item VII Proposed Operation

Sims 8 SWD #1

Commercial SWD Facility

Upon approval of all permits for SWD, operations would begin within 30 days. Completion of the well operations will take approximately 6-8 weeks. Facility construction including installation of the tank battery, berms, plumbing and other and associated equipment would be occurring during the same interval but at a different location from the well. In any event, it is not expected for the construction phase of the project to last more than 60 days, depending on availability of contractors and equipment.

Configure for Salt Water Disposal

Prior to commencing any work, an NOI sundry(ies) will be submitted to configure the well for SWD and will detail the completion workover including all work otherwise described above, any change to the procedure noted herein and to perform mechanical integrity pressure test per OCD test procedures. (Notify NMOCD 24 hours prior.) The casing/tubing annulus will be monitored for communication with injection fluid or loss of casing integrity.

Operational Summary

The SWD facility will not be fenced so that trucks may access for load disposal 24/7.

The well and injection equipment will be a closed system and equipped with pressure limiting devices and volume meters. The annulus, loaded with an inert, anti-corrosion packer fluid, will be monitored for pressure.

The tanks will be equipped with telemetry devices and visual alarms to alert the operator and customers of full tanks or an overflow situation.

Anticipated daily maximum volume is 40,000 bpd and an average of 25,000 bpd at a maximum surface injection pressure of 2,401 psi (.2 psi/ft gradient – maximum pressure will be adjusted if the top of interval is modified after well logs are run).

Potential releases will be contained and cleaned up immediately. The operator shall repair or otherwise correct the situation within 48 hours before resuming operations. OCD will be notified within 24 hours of any release greater than 5 bbls. If required, remediation will start as soon as practicable. Operator shall comply with 19.15.29 NMAC and 19.15.30 NMAC, as necessary and appropriate.

C- 108 Item VII Produced Water Analyses

Sims 8 SWD #1

Item VII.4- Water Analysis of Source Zone Water

Delaware
Bone Spring

Item VII.5- Water Analysis of Disposal Zone Water

Devonian

Water Analyses follow this page.

wellname	api	section	township	range	unit	ph	ph_temp_F	specificgravit	specificgravit	tds_mgl	resistivity_of	resistivity_of	conductivity	conductivity_sodium_mgl	calcium_mgl	iron_mgl	barium_mgl	magnesium_mgl	potassium_mgl	strontium_mgl	manganese_mgl	chloride_mgl	carbonate_mgl	bicarbonate_mgl	sulfate_mgl	hydroxide_mgl	h2s_mgl			
EUNICE MONUMENT SOUTH UNIT B #856	3002504224	11	20S	36E	F	6.9	1.017	20982.4						5807.07	1131.92	0.5085	0.4068	542.061	320.355	17.289		11545	0	1015.98	959.031					
EUNICE MONUMENT SOUTH UNIT B #920	3002504299	23	20S	36E	O	7.7	1.011	18540.6						5250.12	913.944	0.6066	0.9099	409.455	218.376	17.187		9619.66	0	1318.34	995.835					
EUNICE MONUMENT SOUTH UNIT B #856	3002504224	11	20S	36E	F	6.98	1.016	20715.6						5785.1	1089.15	0.2032	0.9144	521.208	278.384	14.224		11284.7	0	1151.13	921.512					
EUNICE MONUMENT SOUTH UNIT B #920	3002504299	23	20S	36E	O	7.39	1.016	18511.9						5154.17	880.872	0.2032	0.09144	506.984	291.592	20.32		9947.66	0	1036.32	970.28					
EUNICE MONUMENT SOUTH UNIT B #890	3002504266	14	20S	36E	P	6.38	1.017	20081.8						5568.07	1112.6	0.4068	0.5085	466.803	277.641	12.204		10711	0	1342.44	931.572					
J R PHILLIPS GAS COM #001	3002504130	1	20S	36E	A			13609														4934	0	615	3330					
NORTH MONUMENT G/SA UNIT #004	3002504139	1	20S	36E	D			8344																						
NORTH MONUMENT G/SA UNIT #013	3002504151	1	20S	36E	M			18000														8500		1300	2250					
NORTH MONUMENT G/SA UNIT #013	3002504151	1	20S	36E	M			11200															6000		630	530				
NEW MEXICO E STATE NCT-1 #002	3002504152	1	20S	36E	N			14980																						
NEW MEXICO E STATE NCT-1 #002	3002504152	1	20S	36E	N			33835																						
NEW MEXICO E STATE NCT-1 #002	3002504152	1	20S	36E	N	0		14980							974						88				17060		812	3691		
NORTH MONUMENT G/SA UNIT #002	3002504166	2	20S	36E	B			13866																	2443		2443	5992		
NORTH MONUMENT G/SA UNIT #007	3002504168	2	20S	36E	G			145491																	7265		1604	0		
W P BYRD BATTERY 2 #004	3002504235	12	20S	36E	C			6973																	85640		952	5710		
EUNICE MONUMENT SOUTH UNIT B #891	3002504254	13	20S	36E	M			17248																	3636		644	55		
EUNICE MONUMENT SOUTH UNIT B #891	3002504254	13	20S	36E	M			14808																	9595		1262	205		
STATE A #005	3002504259	13	20S	36E	I			7270																	7532		601	1375		
STATE A #005	3002504259	13	20S	36E	I			9936																	3200		1720	177		
EUNICE MONUMENT SOUTH UNIT B #885	3002504272	14	20S	36E	K			49286																	4860		1560	125		
EUNICE MONUMENT SOUTH UNIT B #885	3002504272	14	20S	36E	K			15994																	31110		899	1618		
SANDERSON AB 14 #002	3002504277	14	20S	36E	D			165217																	7207		1380	1746		
NEW #001	3002504350	26	20S	36E	A			79120																	99940		695	1291		
NEW #001	3002504350	26	20S	36E	A			44140																	47790		1445	738		
STATE WEI 32 #001	3002504274	32	20S	36E	O			177450																	26230		1461	93		
EUNICE MONUMENT SOUTH UNIT B #900	3002504297	23	20S	36E	B	5.7	1.021	22833.3						6246.48	611.579	0.5105	0.7147	425.757	1612.16	12.252		11595.5	0	1519.25	1288.5		439.03			
EUNICE MONUMENT SOUTH UNIT B #900	3002504297	23	20S	36E	B	6.49	1.015	18389.9						5174.47	871.885	0.203	1.015	449.645	229.39	16.24		9440.51	0	1388.52	1094.17					
EUNICE MONUMENT SOUTH UNIT B #900	3002504297	23	20S	36E	B	5.95	1.02	20611.1						5425.38	601.8	0.612	0.714	309.06	1720.74	15.3		9911.34	0	1579.98	1458.6		336.6			
EUNICE MONUMENT SOUTH UNIT B #891	3002504254	13	20S	36E	M		1.011	60		0.518	65	19323	64	4368	520							412			7532		601	1375		
SANDERSON A #010	3002504270	14	20S	36E	A	6.9		229400																	134700		146	5340		
NORTH MONUMENT G/SA UNIT #001	3002504165	2	20S	36E	A	8.8		10905																		2350		1220	3700	
SANDERSON A #010	3002504270	14	20S	36E	A	6.7	1.003	49300		0.91		12192	67	2829	740							66			26700		1150	2340		
SANDERSON A #010	3002504270	14	20S	36E	A	6.9		45900																	25200		1240	2290		
NORTH MONUMENT G/SA UNIT #001	3002504165	2	20S	36E	A	7.1	1.025	60	40497	0.22		49728	67	12952	1680										20800		1390	3100	245	
NORTH MONUMENT G/SA UNIT #001	3002504165	2	20S	36E	A	7	1.06	70	71407	0.1		82720	67	24177	2320										510		29800	810	3500	290
NORTH MONUMENT G/SA UNIT #001	3002504165	2	20S	36E	A	7.7	1.023	27045		0.258		34476	67	7815	1670										360		14500	1370	1020	310
EUNICE MONUMENT SOUTH UNIT #102	3002504326	25	20S	36E	A	7	1.291	1		0.073	65	137731	64	32533	107798											10909		247872	1091	30984
EUNICE MONUMENT SOUTH UNIT B #891	3002504254	13	20S	36E	M	8	1.01	17249		0.433	65	23093	67	4848	904											434		9595	1262	205
STATE J D COM. #001	3002524153	29	20S	36E	K	8		8220																		2292		288		
EUNICE MONUMENT SOUTH UNIT #162	3002504419	36	20S	36E	I	7.7		13871																		4137		49	296	
NEW #001	3002504350	26	20S	36E	A	7.15		79191																		47803		1448	739	
NORTH MONUMENT G/SA UNIT #005	3002520193	2	20S	36E	E			11847																		6090		1756	0	
EUNICE MONUMENT SOUTH UNIT #107	3002504320	25	20S	36E	F	7.4		46200						14600	680											1590		27000	1520	401
EUNICE MONUMENT SOUTH UNIT #107	3002504320	25	20S	36E	F	7.8		65800						20800	1600											2000		39600	1120	703
EUNICE MONUMENT SOUTH UNIT #104	3002504321	25	20S	36E	C	7.4		18800						5520	650											559		10100	1410	512
EUNICE MONUMENT SOUTH UNIT #104	3002504321	25	20S	36E	C	7.7		18200						5560	530											523		10000	1070	558
EUNICE MONUMENT SOUTH UNIT #104	3002504321	25	20S	36E	C	7.6		52098						16683	863											1798		31813	104	837
SANDERSON A #010	3002504270	14	20S	36E	A	7.3		105500																		59000		793	5670	

C- 108 Item VIII Geologic Information

Sims 8 SWD #1

The Devonian consist of carbonates including light colored dolomite and chert intervals interspersed with some tight limestone intervals. Several thick sections of porous dolomite capable of taking water are believed present within the subject formations in the area. Depth control data was inferred from deep wells to the south and east. If the base of Devonian come in as expected the well will only be drilled deep enough for adequate logging rathole.

At a proposed injection interval of 12,005-13,730' BGL (Below Ground Level) the well will TD at approximately 13,730'. Mud logging through the interval will ensure the target interval remains in Devonian and Silurian. Once Devonian is determined, the casing shoe depth will be set at an approximate maximum upper depth of 12,005 BGL. Injection will occur through the resulting openhole interval. Should mud or other logs indicate depth adjustment is required to exploit the desired formation as described; sundries with appropriate data will be filed with the OCD.

The Devonian is overlain by the Mississippian , Atoka, Strawn, Wolfcamp, Bone Spring, San Andres, Queen, Seven Rivers, Yates and Rustler.

Fresh water in the area is generally available from the Rustler formation and some alluvial deposits. State Engineer's records show water wells in a 5 mile radius with a depth to groundwater of 100- 250 feet.

Solaris Water Midstream, LLC
Sims 8 SWD #1
900' FSL & 270' FWL
Sec. 8 T. 20S., R. 36 E., Lea County NM

Estimated formation tops are:

Quaternary = 0'
Rustler anhydrite= 1700'
Top Salt= 1850'
Base Salt = 3050'
Yates = 3300'
Seven Rivers = 3600'
Queen = 4275'
San Andres = 4575'
Bone Spring = 6975'
Wolfcamp = 10100'
Strawn= 10350'
Atoka= 10475'
Mississippian= 10950'
Devonian= 12000'

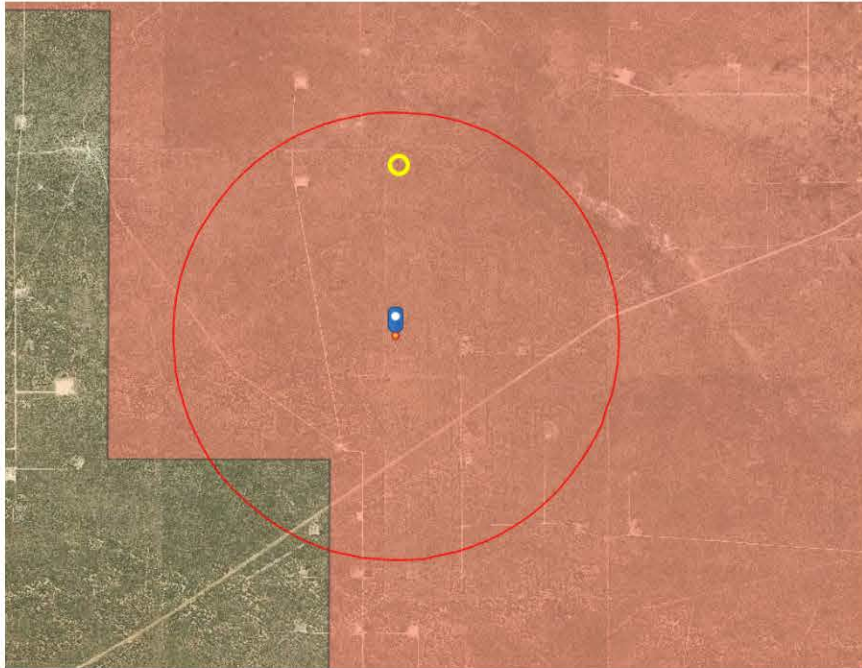
disposal interval= 12005' - 13730'

TD= 13,730'

Montoya = 13,925'

C- 108 Item VIII & XI Groundwater Basins- Water Column/ Depth to Groundwater Water Wells in AOR

Sims 8 SWD #1 Water Well Map



The subject well is located within the Lea County Basin.

Three principal aquifers are used for portable groundwater in Lea County, these geologic units include the Triassic Santa Rosa formation, Tertiary Ogallala formation and Quaternary alluvium. State Engineer's records show water wells in surrounding area with an average depth to water at 700 ft.

There is 1 water well located within one mile of the proposed SWD.

Analytical Report **EXHIBIT H**
Lab Order 1905065
Date Reported: 5/10/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West Client Sample ID: 558 Section 8 WM
Project: Solaris Simm 8 SWD Collection Date: 4/26/2019 9:14:00 AM
Lab ID: 1905065-001 Matrix: AQUEOUS Received Date: 5/2/2019 9:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B							Analyst: plr
N-Hexane Extractable Material	ND	10.3		mg/L	1	5/7/2019 11:11:00 AM	44759
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	840	50	*	mg/L	100	5/7/2019 12:00:08 PM	R59721
SM2540C MOD: TOTAL DISSOLVED SOLIDS							Analyst: KS
Total Dissolved Solids	3400	20.0	*	mg/L	1	5/6/2019 11:48:00 AM	44707

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
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.



WO#: 1905065

10-May-19

Client: Permits West
Project: Solaris Simm 8 SWD

Sample ID: MB-44759	SampType: MBLK	TestCode: EPA Method 1664B								
Client ID: PBW	Batch ID: 44759	RunNo: 59719								
Prep Date: 5/7/2019	Analysis Date: 5/7/2019	SeqNo: 2013808	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-44759	SampType: LCS	TestCode: EPA Method 1664B								
Client ID: LCSW	Batch ID: 44759	RunNo: 59719								
Prep Date: 5/7/2019	Analysis Date: 5/7/2019	SeqNo: 2013809	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	32.8	10.0	40.00	0	82.0	78	114			
Silica Gel Treated N-Hexane Extrac	ND	10.0	20.00	0	0	64	132			S

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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

EXHIBIT H

WO#: 1905065

10-May-19

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Client: Permits West
 Project: Solaris Simm 8 SWD

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBW	Batch ID: R59721	RunNo: 59721
Prep Date:	Analysis Date: 5/7/2019	SeqNo: 2013985 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: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSW	Batch ID: R59721	RunNo: 59721
Prep Date:	Analysis Date: 5/7/2019	SeqNo: 2013986 Units: mg/L
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	4.8	0.50 5.000 0 95.3 90 110

Qualifiers:

I Value exceeds Maximum Contaminant Level
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits



WO#: 1905065

10-May-19

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Client: Permits West
Project: Solaris Simm 8 SWD

Sample ID: MB-44707	SampType: MBLK	TestCode: SM2540C MOD: Total Dissolved Solids								
Client ID: PBW	Batch ID: 44707	RunNo: 59654								
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010986	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID: LCS-44707	SampType: LCS	TestCode: SM2540C MOD: Total Dissolved Solids								
Client ID: LCSW	Batch ID: 44707	RunNo: 59654								
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010987	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Sample ID: 1905065-002BDUP	SampType: DUP	TestCode: SM2540C MOD: Total Dissolved Solids								
Client ID: 550 Section 5 WM	Batch ID: 44707	RunNo: 59654								
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2011003	Units: mg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	765	20.0						0.651	10	*

**C- 108 Item XII
Geologic Affirmation**

Sims 8 SWD #1

GEOLOGIC AFFIRMATION

I have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and underground sources of drinking water.



Stephen Martinez
Sr. Vice President of Drilling

Project: Solaris Water Midstream, LLC
 Sims 8 SWD #1

**C- 108 Item XIII
Proof of Notification
Affected Parties List**

Sims 8 SWD #1

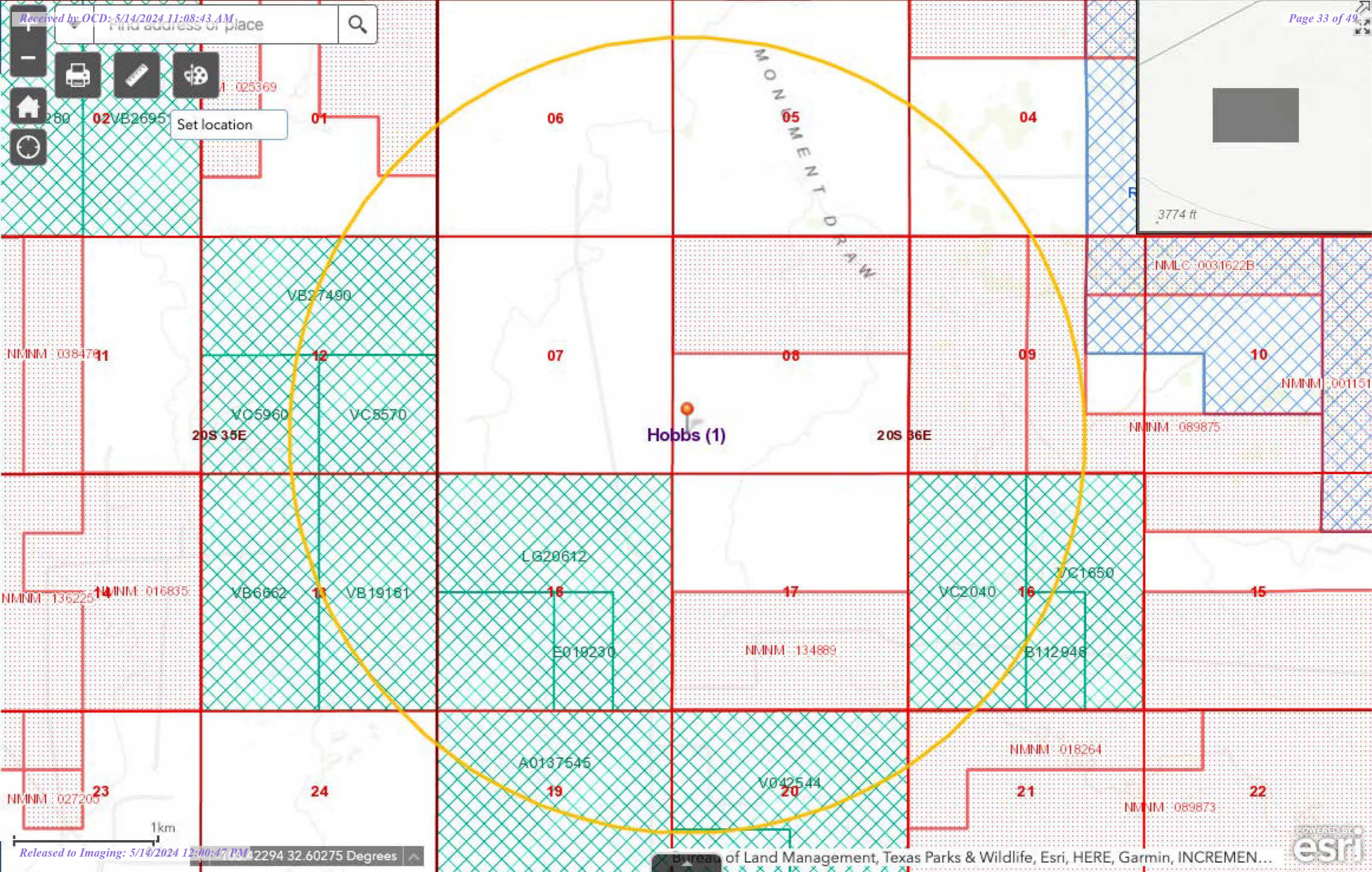
Find address or place



025369

02 VB2695

Set location



Area of Review	Lease ID	Lessor	BLM or NMSLO Lessee (s) of Record
N2 of Sec 12	VB27490002	NMSLO	Ridge Runner Resources Operating LLC
SW4 of Sec 12	VC05960000	NMSLO	Ridge Runner Resources Operating LLC
SE4 of Sec 12	VC05570000	NMSLO	Ridge Runner Resources Operating LLC
W2 of Sec 13	VB06660002	NMSLO	Chevron USA Inc.
E2 of Sec 13	VB19180001	NMSLO	EOG Resources Inc.
N2 of Sec 18	LG20610002	NMSLO	COG Operating LLC
N2 of Sec 19 & N2SW4 of Sec 20	A013750045	NMSLO	Occidental Permian LTD.
N2 of Sec 20 & N2SE4 of Sec 20	V042540004	NMSLO	Chevron USA Inc.
NW4 & N2SW4 Sec 16	VC02040000	NMSLO	Trove Energy & Water LLC
NEWSW Sec 16	B112940008	NMSLO	Finley Resources Inc.
NE4 Sec 16	VC01650000	NMSLO	Trove Energy & Water LLC
	B031140010	NMSLO	ZPZ Delaware LLC
W2 Sec 9	NMNM-089873	BLM	Apache, Chevron & ZPZ
W2E2 & SESW Sec 9	NMNM-089875	BLM	Sanderson, Nesrsta & Thompson
NENE Sec 9	NMNM-0031622B	BLM	Sanderson, Nesrsta & Thompson
N2SE4 & NESW Sec 17	NMNM-134889	BLM	R&R Royalty LTD
SW4 Sec. 4	Liberty 4	Fee	
SWSE Sec. 4	Strickland Patent	Fee	
SE4 & S2SW4 Sec 5	Isaac O Allred	Fee	
SENE & E2SE4 Sec 7	Osudo 7 State	Fee	
S2 Sec 8	Heirs of Jesse Allred patent	Fee	
SENE & NESE Sec 9	Love Patent	Fee	
N2 Sec 17	Isaac O Allred Jr. Patent	Fee	

Parcel Report - Sims 8 SWD #1

OWNER NAME 1	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP	ACRES	APN
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	280.88	4000420050008
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	640	4000420090016
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	364.33	4000420100016
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	320	4000420090015
WILLIAM E JOHNSTON	PO BOX 234	MONUMENT	NM	882650234	160	4000403920002
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	227.88	4000412520005
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	640.68	4000412520009
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	160	4000412520003
DALE COOPER	PO BOX 6	MONUMENT	NM	882650006	520	4000404930001
J W MANSELL	1134 BRAUNE RD	ABILENE	TX	796039016	80	4000414170001
S & S INC	PO BOX 1046	EUNICE	NM	882311046	284.43	4000201071001
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	360	4000420090001
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	478.75	4000420090014
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	236.87	4000420090013
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	640	4000420100014
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	320	4000420080001
S & S INC	PO BOX 1046	EUNICE	NM	882311046	275.67	4000201071002
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	480.6	4000412520008
DALE COOPER	PO BOX 6	MONUMENT	NM	882650006	120	4000404930014
KYLE E JOHNSTON	1321 W COLLEGE LN	HOBBS	NM	882420828	637.18	4000423090008
KYLE E JOHNSTON	1321 W COLLEGE LN	HOBBS	NM	882420828	314.8	4000423090006
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	280	4000412520004
WILLIAM E JOHNSTON	PO BOX 234	MONUMENT	NM	882650234	160	4000403920001
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	80	4000420110001
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	640	4000420100015
MAIN ST HOLDING CO	11413 W 104TH ST	OVERLAND PARK	KS	662142715	160	4000414050001
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	560	4000412520010
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	637.54	4000420060005
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	355.57	4000420100017



January 15th, 2020

NOTIFICATION TO INTERESTED PARTIES

Via U.S. Certified Mail- Return Receipt Requested

To whom it may concern,

Solaris Water Midstream, LLC, Midland, Texas, has made an application to the New Mexico Oil Conservation Division to drill and complete, for salt water disposal, the Sims 8 SWD No. 1. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is located in Section 8, Township 20 South, Range 36 East in Lea County, New Mexico.

The published notice states that the interval will be from 12,005 feet to 13,730 feet into the Devonian and Silurian Formations.

Following is the notice to be published in the Hobbs News Sun, Hobbs, New Mexico on or about January 21st, 2019.

LEGAL NOTICE

Solaris Water Midstream, LLC, 907 Tradewinds Blvd., Suite B, Midland, TX 79706 filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Sims 8 SWD No. 1 will be located 900 feet from the South line and 270 feet from the West line, Section 8, Township 20 South, Range 36 East, Lea County, New Mexico. Produced water from area production will be commercially disposed into the Devonian and Silurian Formations at a depth of 12,005 feet to 13,730 feet at a maximum surface pressure of 2,401 psi and an average injection rate of 40,000 barrels per day. (Final completion depths may be adjusted per mudlogging and reported to the NMOCD on form C-105; pressure will remain at the standard gradient of 0.2 psi/ft of the uppermost injection interval depth). The proposed SWD well is located approximately 5 miles SW of Monument, NM.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505 (505) 476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, Gavilan Solutions, LLC, 505-360-9819 or email: awhite@gavilansolutions.com.

You have been identified as a party who may be interested as an offset lessee or operator.

You are entitled to a full copy of the application. A full copy in PDF format is available for immediate download with the link below.

URL Link: <https://www.dropbox.com/sh/8xex60vx674kmdm/AAAn6QA01ERzwS6Uaqs3e55ta?dl=0>

You may also receive a copy by emailing awhite@gavilansolutions.com with your request. Please use a subject like Sims 8 SWD #1 request.

Thank you for your attention to this matter.

A handwritten signature in blue ink, appearing to read "Whitney McKee". The signature is fluid and cursive, with a large initial "W" and "M".

Whitney McKee

Solaris Water Midstream, LLC
Regulatory Specialist

**C- 108 Item XIV
Proof of Notice
Legal Notice in Newspaper of General Circulation**

Sims 8 SWD #1

Below is the affidavit of publication from the Hobbs Sun News.

LEGAL NOTICE FEBRUARY 1, 2020

Solaris Water Midstream, LLC, 907 Tradewinds Blvd., Suite B, Midland, TX 79706 filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Sims 8 SWD No. 1 will be located 900 feet from the South line and 270 feet from the West line, Section 8, Township 20 South, Range 36 East, Lea County, New Mexico. Produced water from area production will be commercially disposed into the Devonian and Silurian Formations at a depth of 12,005 feet to 13,730 feet at a maximum surface pressure of 2,401 psi and an average injection rate of 40,000 barrels per day. (Final completion depths may be adjusted per mudlogging and reported to the NMOCD on form C-105; pressure will remain at the standard gradient of 0.2 psi/ft of the uppermost injection interval depth). The proposed SWD well is located approximately 5 miles SW of Monument, NM.

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#35150

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
February 01, 2020
and ending with the issue dated
February 01, 2020.



Publisher

Sworn and subscribed to before me this
1st day of February 2020.



Business Manager

My commission expires
January 29, 2023



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

LEGAL	LEGAL
LEGAL NOTICE FEBRUARY 1, 2020	
<p>Solaris Water Midstream, LLC, 907 Tradewinds Blvd., Suite B, Midland, TX 79706 filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Sims 8 SWD No. 1 will be located 900 feet from the South line and 270 feet from the West line, Section 8, Township 20 South, Range 36 East, Lea County, New Mexico. Produced water from area production will be commercially disposed into the Devonian and Silurian Formations at a depth of 12,005 feet to 13,730 feet at a maximum surface pressure of 2,401 psi and an average injection rate of 40,000 barrels per day. (Final completion depths may be adjusted per mudlogging and reported to the NMOC on form C-105; pressure will remain at the standard gradient of 0.2 psi/ft of the uppermost injection interval depth). The proposed SWD well is located approximately 5 miles SW of Monument, NM.</p> <p>Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505 (505) 476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, Gavilan Solutions, LLC, 505-360-9819 or email awhite@gavilansolutions.com. #35150</p>	

67115886

00239069

ASHLEY WHITE
GAVILAN SOLUTIONS, LLC
4533 17TH AVE NE
RIO RANCHO, NM 87144

C- 108 Item XIV Seismic Maps

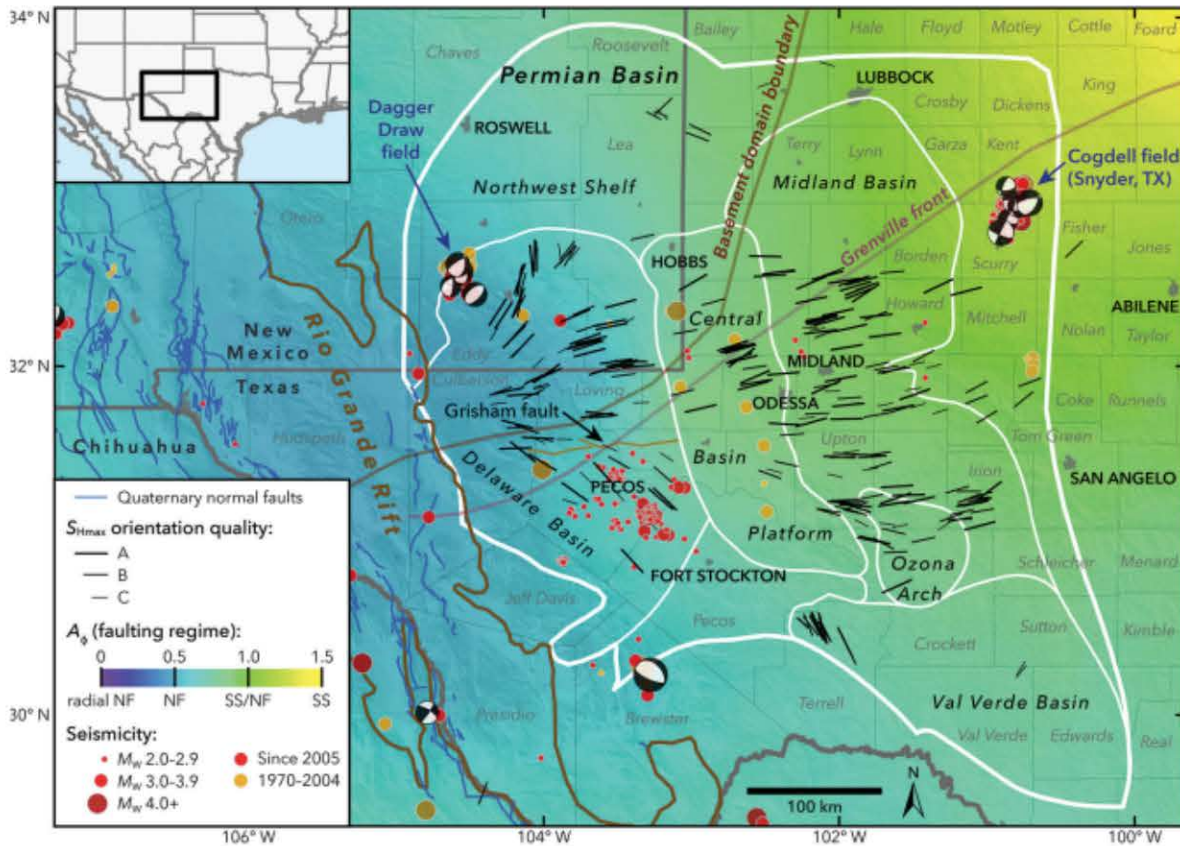


Figure 1. State of stress in the Permian Basin, Texas and New Mexico. Black lines are the measured orientations of S_{Hmax} , with line length scaled by data quality. The colored background is an interpolation of measured relative principal stress magnitudes (faulting regime) expressed using the A_p parameter (see text for details) of Simpson (1997). Blue lines are fault traces known to have experienced normal-sense offset within the past 1.6 Ma, from the USGS Quaternary Faults and Folds Database (Crone and Wheeler, 2000). The boundary between the Shawnee and Mazatzal basement domains is from Lund et al. (2015), and the Precambrian Grenville Front is from Thomas (2006). The Permian Basin boundary is from the U.S. Energy Information Administration, and the subsurface boundaries are from the Texas Bureau of Economic Geology Permian Basin Geological Synthesis Project. Earthquakes are from the USGS National Earthquake Information Center, the TexNet Seismic Monitoring Program, and Gan and Frohlich (2013). Focal mechanisms are from Saint Louis University (Herrmann et al., 2011).

**Solaris Water Midstream, LLC
Sims 8 SWD #1**

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1

Well Information	
Lease Name	Sims 8 SWD
Well No.	1
Location	S 8 T20S - R36E
Footage Location	900' FSL & 270' FWL

2

a) Wellbore Description

Casing Information				
Type	Surface	Intermediate 1	Intermediate 2	Liner
OD	16"	13.375"	9.625"	7.625"
WT	84 lb/ft	68 lb/ft	53.50 lb/ft	39 lb/ft
ID	15.010"	12.415"	8.535"	6.625"
Drift ID	14.822"	12.259"	8.500"	6.500"
Weight	84 lb/ft	68 lb/ft	53.50 lb/ft	39 lb/ft
Grade	K-55	N-80	HCP-110, BTC	P-110, FJ
Hole Size	18-1/8"	14-3/4"	12-1/4"	8-1/2"
Depth Set	2,000	6,000	10,218	12,005
open hole from 12,005' to 13,730'				

b) Cementing Program

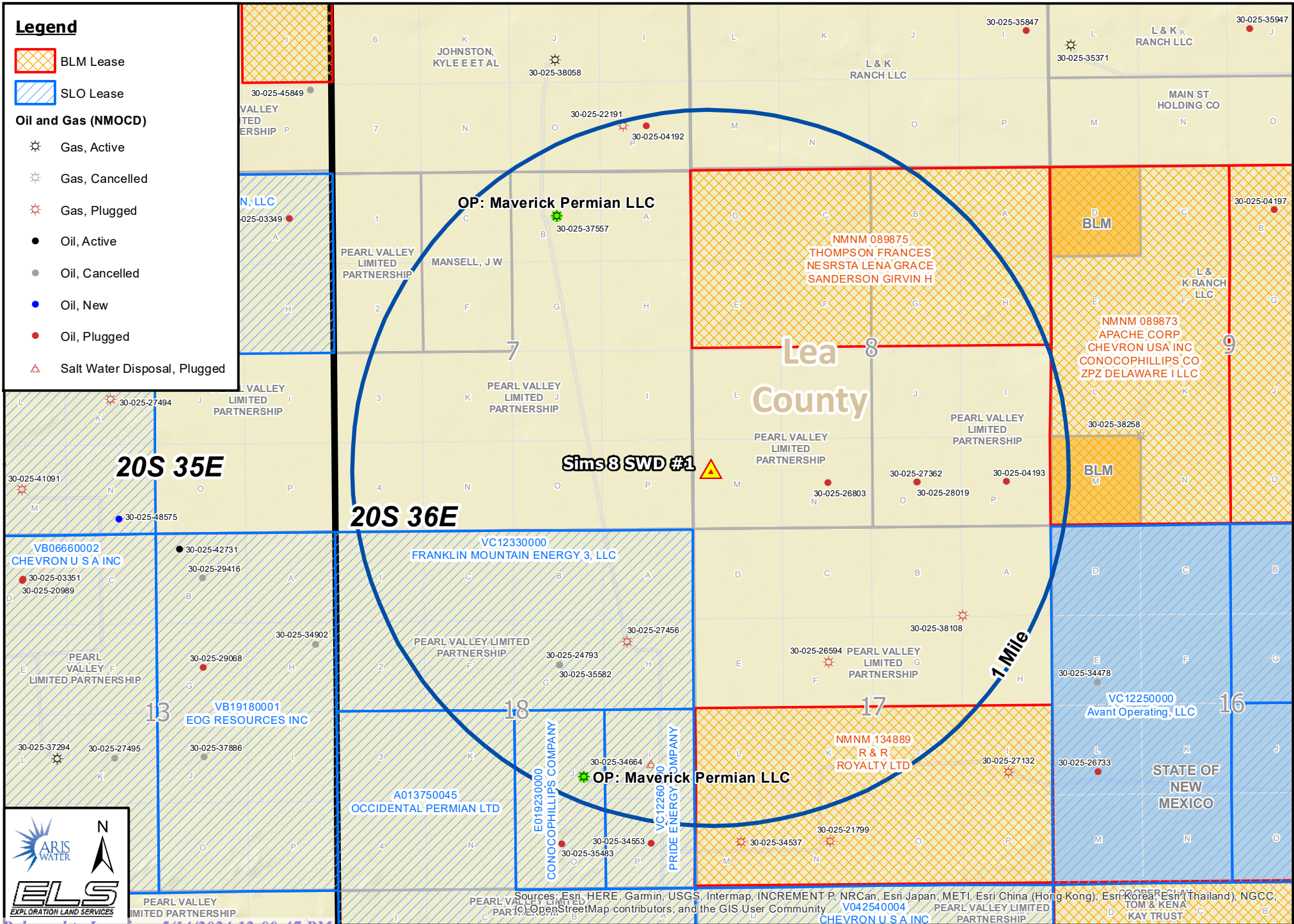
Cement Information				
Casing String	Surface	Intermediate 1	Intermediate 2	Liner
Lead Cement	100 Class C Premium	65:35 Class C Premium Compass Poz-Mix	100 TXI Lightweight Cement	70:30 Class H Premium COP-18
Lead Cement Volume (sacks)	565	1,560	Stage 1 Lead: 435 Stage 2 Lead: 875	205
Lead Cement Density (ft3/sack)	13.5	12.7	Stage 1 Lead: 11.2 Stage 2 Lead: 11.8	14.6
Tail Cement	100 Class C Premium	60:20:20 Class H Premium	85:15 Class H Premium CPO-18	-
Tail Cement Volume (sacks)	210	570	Stage 1 Tail: 755 Stage 2 Tail: 165	-
Tail Cement Density (ft3/sack)	14.8	14.8	Stage 1 Tail: 15.0 Stage 2 Tail: 14.8	-
Cement Excess	100% 100%	350% 200%	Stage 1 Lead/Tail: 50% Stage 2 Lead/Tail: 0%	60%
Total Sacks	775	2,130	2,230	210
TOC	Surface	Surface	Stage 1: 5,900 Stage 2: Surface	10,018
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Logged

3

Tubing Description

Tubing Information	
OD	5.5" 5.0"
WT	20# 18#
ID	4.778" 4.276"
Drift ID	4.653" 4.151"
Weight	20# 18#
Grade	P-110

Sims 8 SWD #1 - Lease/Affected Party Map



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, OpenStreetMap contributors, and the GIS User Community

**Sims 8 SWD #1 - 1-Mile Area of Review Wells
May 6, 2024**

<i>API</i>	<i>OGRID Name</i>	<i>Well Name</i>	<i>Well Type</i>	<i>Well Status</i>	<i>PLSS Location (ULSTR)</i>	<i>Lease Type</i>	<i>SPUD Date</i>
30-025-04192	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	Plugged	P-06-20S-36E	Federal	1900
30-025-04193	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	Plugged	P-08-20S-36E	Private	1900
30-025-22191	NADEL AND GUSSMAN PERMIAN, LLC	MALLARD ALVES #001	Gas	Plugged	P-06-20S-36E	Private	1995
30-025-24793	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	Cancelled	G-18-20S-36E	State	9999
30-025-25143	Maverick Permian LLC	OSUDO STATE COM #001	Gas	Active	J-18-20S-36E	State	9999
30-025-26594	HAMON OPERATING CO	AMERADA FEDERAL #002	Gas	Plugged	F-17-20S-36E	Federal	1900
30-025-26803	WESTERN OIL PRODUCERS INC	ROUNTREE #001	Oil	Plugged	N-08-20S-36E	Private	1980
30-025-27362	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	Cancelled	O-08-20S-36E	Private	9999
30-025-27456	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Gas	Plugged	H-18-20S-36E	State	1900
30-025-28019	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	Plugged	O-08-20S-36E	Private	1900
30-025-34664	XOG OPERATING LLC	GENESIS STATE #003	Salt Water Disposal	Plugged	I-18-20S-36E	State	1999
30-025-35582	TRILOGY OPERATING INC	EXODUS STATE #001	Oil	Cancelled	G-18-20S-36E	State	9999
30-025-37557	Maverick Permian LLC	OSUDO 7 STATE #001	Gas	Active	B-07-20S-36E	Private	2006
30-025-38108	UNIT PETROLEUM CO	MONUMENT 17 #001	Gas	Plugged	A-17-20S-36E	Private	2007

**Sims 8 SWD #1 - Affected Parties List (within 1-Mile Area of Review)
May 6, 2024**

S/T/R	QQ UNIT LETTER(S)	OPERATOR	MINERAL LESSEE	SURFACE OWNER	ADDRESS	CITY, STATE, ZIP
5/T20S/R36E	M,N,O	-	YUCCA RANCH DEVELOPMENT LLC	L & K RANCH LLC	PO BOX 16707	LUBBOCK TX 79424
	M,N,O	-	L & K ROYALTIES LLC	L & K RANCH LLC	PO BOX 540725	GRAND PRAIRIE TX 750540725
	M,N,O	-	-	L & K RANCH LLC	PO BOX 1503	HOBBS NM 88241
6/T20S/R36E	N,O,P	-	MEWBOURNE OIL COMPANY	KYLE E JOHNSTON ET AL	PO BOX 5270	HOBBS NM 88241
	N,O,P	-	-	KYLE E JOHNSTON AND KIMBERLY K JOHNSTON	1321 W COLLEGE LN	HOBBS NM 88242
	N,O,P	-	-	FRANCES M JOHNSTON	1321 W COLLEGE LN	HOBBS NM 88242
7/T20S/R36E	B	MAVERICK PERMIAN LLC	-	PEARL VALLEY LIMITED PARTNERSHIP	1111 BAGBY ST STE 1600	HOUSTON TX 77002
	ENTIRE SECTION	-	MAVERICK PERMIAN LLC	PEARL VALLEY LIMITED PARTNERSHIP	1111 BAGBY ST STE 1600	HOUSTON TX 77002
	ENTIRE SECTION	-	-	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE NM 88231
8/T20S/R36E	A,B,C,D,E,F,G,H	-	LENA GRACE NESRSTA (LESSEE)	PEARL VALLEY LIMITED PARTNERSHIP	1412 S MADISON ST	SAN ANGELO TX 76901
	A,B,C,D,E,F,G,H	-	GIRVIN H SANDERSON (LESSEE)	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 8975	WACO TX 76714
	A,B,C,D,E,F,G,H	-	FRANCES THOMPSON (LESSEE)	PEARL VALLEY LIMITED PARTNERSHIP	4040 SW 6TH ST	TOPEKA KS 66606
	A,B,C,D,E,F,G,H	-	MAVERICK PERMIAN AGENT CORP (OPERATING RIGHTS)	PEARL VALLEY LIMITED PARTNERSHIP	1111 BAGBY ST STE 1600	HOUSTON TX 77002
	A,B,C,D,E,F,G,H	-	READ AND STEVENS INC (OPERATING RIGHTS)	PEARL VALLEY LIMITED PARTNERSHIP	300 N MARIENFELD ST STE 1000	MIDLAND TX 79701
	A,B,C,D,E,F,G,H	-	ZPZ DELAWARE I LLC (OPERATING RIGHTS)	PEARL VALLEY LIMITED PARTNERSHIP	2000 POST OAK BLVD STE 100	HOUSTON TX 770564497
	I,J,K,L,M,N,O,P	-	CHIDERBRI MINERALS LP	PEARL VALLEY LIMITED PARTNERSHIP	9310 BROADWAY BLDG 2 STE 204	SAN ANTONIO TX 78217
	I,J,K,L,M,N,O,P	-	CONOCO PHILLIPS CO	PEARL VALLEY LIMITED PARTNERSHIP	315 S JOHNSTONE AVE	BARTLESVILLE OK 740036617
	I,J,K,L,M,N,O,P	-	QUIRK MINERALS LP	PEARL VALLEY LIMITED PARTNERSHIP	622 W RHAPSODY DR STE A	SAN ANTONIO TX 782162637
	I,J,K,L,M,N,O,P	-	READ AND STEVENS INC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1518	ROSWELL NM 882021518
	I,J,K,L,M,N,O,P	-	ZPZ DELAWARE I LLC	PEARL VALLEY LIMITED PARTNERSHIP	2000 POST OAK BLVD STE 100	HOUSTON TX 770564497
	I,J,K,L,M,N,O,P	-	CACTUS OPERATING CO	PEARL VALLEY LIMITED PARTNERSHIP	1907 W JEFFERSON AVE	LOVINGTON NM 88260
	I,J,K,L,M,N,O,P	-	CHASE OIL CORP	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1767	ARTESIA NM 88211
	I,J,K,L,M,N,O,P	-	CLM PRODUCTION CO	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 881	ROSWELL NM 88202
	I,J,K,L,M,N,O,P	-	FIRST CENTURY OIL INC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1518	ROSWELL NM 88202
	I,J,K,L,M,N,O,P	-	JAMES B READ	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 635	ARDMORE OK 73402
	I,J,K,L,M,N,O,P	-	GERENE DIANNE CHASE CROUCH C/O REBECCA S ERICSON AIF	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 693	ARTESIA NM 88211
	I,J,K,L,M,N,O,P	-	RICHARD L CHASE	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 359	ARTESIA NM 88211
I,J,K,L,M,N,O,P	-	CBR OIL PROPERTIES LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1518	ROSWELL NM 88202	
I,J,K,L,M,N,O,P	-	HIGHLAND (TEXAS) ENERGY CO	PEARL VALLEY LIMITED PARTNERSHIP	7557 RAMBLER RD STE 918	DALLAS TX 75231	
I,J,K,L,M,N,O,P	-	RICHARDSON OIL COMPANY LLC	PEARL VALLEY LIMITED PARTNERSHIP	7557 RAMBLER RD STE 918	DALLAS TX 75231	
I,J,K,L,M,N,O,P	-	ROBERT C CHASE	PEARL VALLEY LIMITED PARTNERSHIP	2306 SIERRA VISTA RD	ARTESIA NM 88210	
I,J,K,L,M,N,O,P	-	WATSON PROPERTIES LLC	PEARL VALLEY LIMITED PARTNERSHIP	3905 FUTURA DR	ROSWELL NM 88201	
I,P	-	BON VIVANT LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 2630	HOBBS NM 88241	
I,P	-	MARCELLA W HALLIDAY 1990 REVOCABLE TRUST	PEARL VALLEY LIMITED PARTNERSHIP	6505 SE 15TH ST	EDMOND OK 73013	

Exhibit C

I,P	THE CURTIS LEE CHILDERS GENERATION-SKIPPING ESTATE TRUST C/O AMERICAN STATE BANK	PEARL VALLEY LIMITED PARTNERSHIP	1401 AVENUE Q	LUBBOCK TX 79401
I,P	THE GENERATION-SKIPPING MARLENE ELIZABETH HAUG CHILDERS TRUST C/O AMERICAN STATE BANK	PEARL VALLEY LIMITED PARTNERSHIP	1401 AVENUE Q	LUBBOCK TX 79401
I,P	THE TRACI LEIGH CHILDERS GENERATION-SKIPPING ESTATE TRUST C/O AMERICAN STATE BANK	PEARL VALLEY LIMITED PARTNERSHIP	1401 AVENUE Q	LUBBOCK TX 79401
I,P	ROBERT CECIAL ALLRED ESTATE TRUST	PEARL VALLEY LIMITED PARTNERSHIP	7011 BLAGRAVE RD	ACKERLY TX 79713
J,O	CHARLES DAVID WEST III	PEARL VALLEY LIMITED PARTNERSHIP	7882 S OGDEN CT	CENTENNIAL CO 80122
J,O	SUSAN DIANE GROOVER	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 64973	TUCSON AZ 85728
J,O	GARY L GOURLEY	PEARL VALLEY LIMITED PARTNERSHIP	2810 W 23 ST	ROSWELL NM 88201
J,O	GOURLEY ROYALTY COMPANY LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 2215	ARDMORE OK 73402
J,O	GUTHRIE HARD HAT G LP	PEARL VALLEY LIMITED PARTNERSHIP	611 S MAIN ST	BIG SPRING TX 79720
J,O	J R AND B L CANON LIVING TRUST	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 2405	HOBBS NM 88240
J,O	KATHERINE NEFF WILSON	PEARL VALLEY LIMITED PARTNERSHIP	241 CHATFIELD WAY	FRANKLIN TN 37067
J,O	KEN E MOORE	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 52270	MIDLAND TX 79710
J,O	KIMBERLY NEFF HOGUE	PEARL VALLEY LIMITED PARTNERSHIP	5101 E SEWARD RD	GUTHERIE OK 73044
J,O	LAURA JEAN WEST AMMAN	PEARL VALLEY LIMITED PARTNERSHIP	13451 BIRCH WAY	THORNTON CO 80241
J,O	LINDA LOU GOURLEY	PEARL VALLEY LIMITED PARTNERSHIP	15522 GUADALUPE ST	SAN ANGELO TX 76901
J,O	LISA DAWSON PRICE	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1514	SONORA TX 76950
J,O	MANDY NICOLE DAWSON OSBORNE	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1514	SONORA TX 76950
J,O	MERIDIAN 102 LP	PEARL VALLEY LIMITED PARTNERSHIP	16400 N DALLAS PKWY STE 400	DALLAS TX 75248
J,O	PATRICIA RUTH NEFF TRUST	PEARL VALLEY LIMITED PARTNERSHIP	10200 HAWTHORN DR	OKLAHOMA CITY OK 73120
J,O	REALEZA DEL SPEAR LP	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1684	MIDLAND TX 79702
K,N	LARRY B HUGHES	PEARL VALLEY LIMITED PARTNERSHIP	HC 69 BOX 57	MONUMENT NM 88265
K,N	BAXSTO LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 302857	AUSTIN TX 78703
K,N	BLAIRBAX ENERGY LLC	PEARL VALLEY LIMITED PARTNERSHIP	815A BRAZOS ST #491	AUSTIN TX 78701
K,N	BUFFY ENERGY LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1649	AUSTIN TX 78767
K,N	CAROLYN LEE GOLLEHER	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1464	LOVINGTON NM 88264
K,N	TOM F ROUNTREE	PEARL VALLEY LIMITED PARTNERSHIP	437 JOHANNE POINT RD	EDDY TX 76524
K,N	ANN HUGHEY SACKETT	PEARL VALLEY LIMITED PARTNERSHIP	2500 DRIFTWOOD RD SE	ST PETERSBURG FL 33705
K,N	JAY B HUGHEY	PEARL VALLEY LIMITED PARTNERSHIP	596 EXOTIC ISLE ST	BAY CITY TX 77381
K,N	MELISSA DENNIS	PEARL VALLEY LIMITED PARTNERSHIP	6 LARKS AIRE PL	THE WOODLANDS TX 77381
K,N	TRAVIS B HUGHEY	PEARL VALLEY LIMITED PARTNERSHIP	207 LAKE LOOP	BUCHANAN DAM TEXAS 78609
L,M	KIMBERLY BROOKE SHULTS		9376 E 530 ROAD	CLAREMORE OK 74015
L,M	ALICIA MCCALED		1956 BELHAVEN DR	ORANGE PARK FL 32065
L,M	BILLY MAX MCCALED		3081 HOLLY AVE	GROVE CITY FL 34224
L,M	BOBBIE FAYE WALLS		ROUTE 3 BOX 311 J	SEMINOLE OK 74868
L,M	BRILLE INSTITUTE OF AMERICA		741 N VERMONT AVE	LOS ANGELES CA 90029
L,M	CARL ALBERT STATE COLLEGE DEVELOPMENT FOUNDATION INC		1507 S MCKENNA ST	POTEAU OK 74953
L,M	CAROLYN A EFFENBECK		PO BOX 1287	EUFAULA OK 75702

L,M		CLYDE MCCALED		1956 BELHAVEN DR	ORANGE PARK FL 32065
L,M		COLLEN JOY HALE		RURAL ROUTE 5 BOX 30	ALBION IL 62086
L,M		ESTATE OF WILMA SHULTS RUTLAND C/O JOHN R RUTLAND		4931 WAWONA ST	EAGLE ROCK CA 90041
L,M		DEAN MCCALED		3714 MANITO BLVD	FORT WAYNE IN 468091418
L,M		FLORENCE V EFFENBECK		PO BOX 2691	ROSWELL NM 88201
L,M		GERALDINE HEDGES		4120 COCKROACH BAY RD LOT 253	RUSKIN FL 33570
L,M		G H SHULTS JR		ROUTE 2	OKEMAH OK 74059
L,M		HIGGINS TRUST INC		PO BOX 2421	GAINESVILLE GA 30503
L,M		ELIZABETH JOSEPHINE SHULTS		1419 S OAK ST	KINGFISHER OK 737504313
L,M		JANA CAMPBELL		1405 FOSTER AVE	SEMINOLE OK 74868
L,M		JANA SUE WINTERS		9104 SEAMAN RD	OCEAN SPRINGS MS 39564
L,M		JAY MAX WINTERS		9104 SEAMAN RD	OCEAN SPRINGS MS 39564
L,M		LAKETA MARTY		2075 60TH AVE SE	NORMAN OK 73026
L,M		MARY LYNN MAGNESS		PO BOX 9032	FORT WORTH TX 76147
L,M		MARY REBECCA THOMSON		600 S CULLEN AVE UNIT 109	EVANSVILLE IN 47715
L,M		MATTHEW KYLE SHULTS AND MELINDA SHULTS		14414 N 71ST EAST AVE	COLLINVILLE OK 74021
L,M		MICHAEL R CHAFFIN AND KYM B CHAFFIN		PO BOX 533	CHICKASHA OK 730230533
L,M		NORMA MCRAE		4225 EPPERLY DR	DEL CITY OK 73115
L,M		PERMIAN DEVELOPMENT LLC		PO BOX 136879	FORT WORTH TX 76136
L,M		THOMAS MCCALED AND VIRGINIA MCCALED		7410 SILENT CLOUD	SAN ANTONIO TX 78250
L,M		SELMA ANDREWS PERPETUAL CHARITABLE TRUST C/O BANK OF AMERICA TTEE		PO BOX 830308	DALLAS TX 752830308
L,M		SELMA E ANDREWS TRUST FBO PEGGY BARRETT C/O BANK OF AMERICA TTEE		PO BOX 830308	DALLAS TX 752830308
L,M		VAN SHULTS		624 S 8TH ST	KINGFISHER OK 737504340
L,M		VIRGIL MCCALED AND MIREILLE MCCALED		1340 AUTUMN OAKS CIR	CHINA SPRINGS TX 76633
L,M		WANDA L SHULTS REVOCABLE LIVING TRUST		105 KALE LN	MCCLLOUD OK 74851
L,M		ANN HUGHEY SACKETT	PEARL VALLEY LIMITED PARTNERSHIP	2500 DRIFTWOOD RD SE	ST PETERSBURG FL 33705
L,M		JAY B HUGHEY	PEARL VALLEY LIMITED PARTNERSHIP	596 EXOTIC ISLE ST	BAY CITY TX 77381
L,M		MELISSA DENNIS	PEARL VALLEY LIMITED PARTNERSHIP	6 LARKS AIRE PL	THE WOODLANDS TX 77381
L,M		TRAVIS B HUGHEY	PEARL VALLEY LIMITED PARTNERSHIP	207 LAKE LOOP	BUCHANAN DAM TEXAS 78609
M		CHERON OIL & GAS CO INC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1722	TULSA OK 741011722
	ENTIRE SECTION	-	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE NM 88231
9/T20S/R36E	L	APACHE CORPORATION (LESSEE)	L & K RANCH LLC	2000 POST OAK BLVD STE 100	HOUSTON TX 77056
	L	CHEVRON USA INC (LESSEE)	L & K RANCH LLC	6301 DEAUVILLE	MIDLAND TX 797062964
	L	MAVERICK PERMIAN AGENT CORP (LESSEE)	L & K RANCH LLC	1111 BAGBY ST STE 1600	HOUSTON TX 77002
	L	ZPZ DELAWARE I LLC (LESSEE)	L & K RANCH LLC	2000 POST OAK BLVD STE 100	HOUSTON TX 770564497
	L	APACHE CORPORATION (OPERATING RIGHTS)	L & K RANCH LLC	2000 POST OAK BLVD STE 100	HOUSTON TX 77056
	L	CHEVRON USA INC (OPERATING RIGHTS)	L & K RANCH LLC	6301 DEAUVILLE	MIDLAND TX 797062964

	L		MAVERICK PERMIAN AGENT CORP (OPERATING RIGHTS)	L & K RANCH LLC	1111 BAGBY ST STE 1600	HOUSTON TX 77002
	L		ZPZ DELAWARE I LLC (OPERATING RIGHTS)	L & K RANCH LLC	2000 POST OAK BLVD STE 100	HOUSTON TX 770564497
	L		OXY USA INC (OPERATING RIGHTS)	L & K RANCH LLC	6 DESTA DR	MIDLAND TX 797055520
	L		OXY USA WTP LP (OPERATING RIGHTS)	L & K RANCH LLC	6 DESTA DR #6000	MIDLAND TX 797055505
	L	-	-	L & K RANCH LLC	PO BOX 1503	HOBBS NM 88241
	M		APACHE CORPORATION (LESSEE)	BLM	2000 POST OAK BLVD STE 100	HOUSTON TX 77056
	M		CHEVRON USA INC (LESSEE)	BLM	6301 DEAUVILLE	MIDLAND TX 797062964
	M		MAVERICK PERMIAN AGENT CORP (LESSEE)	BLM	1111 BAGBY ST STE 1600	HOUSTON TX 77002
	M		ZPZ DELAWARE I LLC (LESSEE)	BLM	2000 POST OAK BLVD STE 100	HOUSTON TX 770564497
	M		APACHE CORPORATION (OPERATING RIGHTS)	BLM	2000 POST OAK BLVD STE 100	HOUSTON TX 77056
	M		CHEVRON USA INC (OPERATING RIGHTS)	BLM	6301 DEAUVILLE	MIDLAND TX 797062964
	M		MAVERICK PERMIAN AGENT CORP (OPERATING RIGHTS)	BLM	1111 BAGBY ST STE 1600	HOUSTON TX 77002
	M		ZPZ DELAWARE I LLC (OPERATING RIGHTS)	BLM	2000 POST OAK BLVD STE 100	HOUSTON TX 770564497
	M		OXY USA INC (OPERATING RIGHTS)	BLM	6 DESTA DR	MIDLAND TX 797055520
	M		OXY USA WTP LP (OPERATING RIGHTS)	BLM	6 DESTA DR #6000	MIDLAND TX 797055505
	M	-	-	BLM	620 E GREENE ST	CARLSBAD NM 88220
16/T20S/R36E	D	-	AVANT OPERATING LLC	NMST	1515 WYNKOOP ST STE 700	DENVER CO 80202
	D	-	-	NMST	310 OLD SANTA FE TRL	SANTA FE NM 87501
17/T20S/R36E	A,B,G,H	-	J BAR CANE LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 3660	ROSWELL NM 88202
	A,B,G,H		SHANNON ELLIOTT HARVEY	PEARL VALLEY LIMITED PARTNERSHIP	1502 BAY HILL DR	AUSTIN TX 78746
	A,B,G,H		VIRGINIA ELLIOTT WENGER	PEARL VALLEY LIMITED PARTNERSHIP	615 PARK PLACE CT	SOUTHLAKE TX 76092
	A,B,G,H		ARTHUR A WELLMAN JR	PEARL VALLEY LIMITED PARTNERSHIP	3852 WILDWOOD ROAD	SAN DIEGO CA 92107
	A,B,G,H		AVIS K MILLER REVOCABLE TRUST C/O JP MORGAN CHASE BANK TTEE	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 2605	FORT WORTH TX 76113
	A,B,G,H		BARBARA JANE DEWEY	PEARL VALLEY LIMITED PARTNERSHIP	11006 OREGON CURV	BLOOMINGTON MN 55438
	A,B,G,H		BARBARA SUE SCHMIDT	PEARL VALLEY LIMITED PARTNERSHIP	401 BAY HILL DR	NEWPORT BEACH CA 92660
	A,B,G,H		CATHERINE COLL	PEARL VALLEY LIMITED PARTNERSHIP	83 LA BARBARIA TRL	SANTA FE NM 87505
	A,B,G,H		CLARKE C COLL	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1818	ROSWELL NM 882021818
	A,B,G,H		DIAMOND LIL PROPERTIES LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1818	ROSWELL NM 882021818
	A,B,G,H		ELIZABETH FARMER MYERS	PEARL VALLEY LIMITED PARTNERSHIP	14001 W 92ND ST APT 303	LENEXA KS 66215
	A,B,G,H		ERIC J COLL	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1818	ROSWELL NM 882021818
	A,B,G,H		FOUNDATION INCOME ASSET MANAGEMENT LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 52561	TULSA OK 74152
	A,B,G,H		FRANCESCA LEONA WELLMAN	PEARL VALLEY LIMITED PARTNERSHIP	124 W 8TH ST #2	SANTA ROSA CA 95401
	A,B,G,H		GEODYNE NOMINEE CORP	PEARL VALLEY LIMITED PARTNERSHIP	SAMSON PLAZA 2 WEST SECOND STREET	TULSA OK 74103
	A,B,G,H		HOG PARTNERSHIP LP	PEARL VALLEY LIMITED PARTNERSHIP	5950 CEDAR SPRINGS RD #242	DALLAS TX 752356803
	A,B,G,H		JACQUELINE ELLIOTT	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1064	AUSTIN TX 78708
	A,B,G,H		JOHN R ELLIOTT AND STEPHANIE ELLIOTT	PEARL VALLEY LIMITED PARTNERSHIP	11249 SHELTERWOOD LN	DALLAS TX 75229
	A,B,G,H		JON F COLL II	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1818	ROSWELL NM 882021818

	A,B,G,H		MALLARD ROYALTY HOLDINGS LP	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 52267	MIDLAND TX 79710
	A,B,G,H		MARY D BRADY	PEARL VALLEY LIMITED PARTNERSHIP	1804 LAKE CREST LN	PLANO TX 750237442
	A,B,G,H		MAX W COLL III	PEARL VALLEY LIMITED PARTNERSHIP	7625-2 EL CENTRO BLVD	LAS CRUCES NM 88012
	A,B,G,H		MELANIE COLL DETEMPE	PEARL VALLEY LIMITED PARTNERSHIP	5653 TOBIAS AVE	VAN NUYS CA 91411
	A,B,G,H		NORMA W BRADY ESTATE C/O JACKIE DAUGHERTY EXECUTOR	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 583	JENKS OK 74037
	A,B,G,H		PETRO TIGER 1 LTD	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 3166	TULSA OK 74101
	A,B,G,H		RACHEL JOAN BRADY GARRETT OIL & GAS TRUST	PEARL VALLEY LIMITED PARTNERSHIP	616 WOOLF CT	ROCHELLE IL 61068
	A,B,G,H		RONALD J BYERS CO LLC	PEARL VALLEY LIMITED PARTNERSHIP	3112 ABOVE STRATFORD PL	AUSTIN TX 76746
	A,B,G,H		ROUND HILL ROYALTY LP	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 25128	DALLAS TX 75225
	A,B,G,H		SPIRIT TRAIL LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1818	ROSWELL NM 882021818
	A,B,G,H		SUZANNE B KOCH	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 270475	HOUSTON TX 77277
	A,B,G,H		WAYNE A BISSETT AND LAURA L BISSETT	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 2101	MIDLAND TX 79702
	C,D,E,F		BON VIVANT LLC	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 2630	HOBBS NM 88241
	C,D,E,F		CROWN ROCK MINERALS LP	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 51933	MIDLAND TX 79710
	C,D,E,F		REALEZA DEL SPEAR LP	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1684	MIDLAND TX 79702
	C,D,E,F		ROBERT CECIAL ALLRED ESTATE TRUST	PEARL VALLEY LIMITED PARTNERSHIP	7011 BLAGRAVE RD	ACKERLY TX 79713
	I,J,K,L,M,N		R & R ROYALTY LTD	PEARL VALLEY LIMITED PARTNERSHIP	500 N SHORELINE BLVD STE 501	CORPUS CHRISTI TX 78401
	A,B,C,D,E,F,G,H,I,J,K,L,M,N	-	-	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE NM 88231
18/T20S/R36E	J	MAVERICK PERMIAN LLC	-	PEARL VALLEY LIMITED PARTNERSHIP	1111 BAGBY ST STE 1600	HOUSTON TX 77002
	A,B,C,D,E,F,G,H		FRANKLIN MOUNTAIN ENERGY 3 LLC	PEARL VALLEY LIMITED PARTNERSHIP	44 COOK ST STE 1000	DENVER CO 80206
	K		OCCIDENTAL PERMIAN LTD	PEARL VALLEY LIMITED PARTNERSHIP	5 GREENWAY PLZ STE 110	HOUSTON TX 77040
	J,O		CONOCO PHILLIPS CO	PEARL VALLEY LIMITED PARTNERSHIP	315 S JOHNSTONE AVE	BARTLESVILLE OK 740036617
	I,P		PRIDE ENERGY COMPANY	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 701950	TULSA OK 741701950
	A,B,C,D,E,F,G,H,I,J,K,O,P	-	-	PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE NM 88231