

Initial Application Part I

Received: 07/17/2019

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

RECEIVED: 07/17/2019	REVIEWER:	TYPE: SWD	APP NO: pMAM1919855982
-----------------------------	-----------	------------------	-------------------------------

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: Solaris Water Midstream, LLC **OGRID Number:** 371643
Well Name: Osprey State SWD #1 **API:** 30-015-xxxxx
Pool: Proposed; SWD; Devonian- Fusselman **Pool Code:** 97869

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

SWD-2195

- 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
<input type="checkbox"/> Notice Complete
<input type="checkbox"/> 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


Signature

7/10/19
 Date

432-203-9020
 Phone Number

whitney_mckee@solarismidstream.com
 e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ XX Disposal
_____ Storage Application qualifies for administrative approval? _____ Yes _____ No
- II. OPERATOR: _____ Solaris Water Midstream, LLC _____
ADDRESS: _____ 70701 Tradewinds Blvd., Suite C Midland, Tx 797066 _____
CONTACT PARTY: _____ Whitney McKee _____ PHONE: _____ 432-203-9020;9005 _____
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes _____ X No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. See Addendum
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. See Addendum
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 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.). See Addendum
- VIII. VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth.
Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any. Stimulations program- A conventional acid job may be performed to clean and open the formation.
*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
Well logs will be filed with OCD
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water. See Addendum
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. "Proof of Notice" Portion has been completed and attached. All parties have been notified
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
NAME: _____ Whitney McKee _____ TITLE: Regulatory Specialist Solaris Water Midstream, LLC _____
SIGNATURE: _____  _____ DATE: _____ 7/10/19 _____
E-MAIL ADDRESS: _____ whitney.mckee@solarismidstream.com _____
- XV. 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 [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.

C. 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.

INJECTION WELL DATA SHEET

OPERATOR: _____ Solaris Water Midstream, LLC _____

WELL NAME & NUMBER: _____ Osprey State SWD #1 _____

WELL LOCATION: _____ 2040' FNL & 610 'FWL _____ E _____ S: 36 _____ T:25S _____ R:31E _____
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA
Surface Casing

Hole Size: _____ 18.125" _____ Casing Size: _____ 16" _____

Cemented with: _____ 3,361 _____ sx. *or* _____ ft³ _____

Top of Cement: _____ SURFACE _____ Method Determined: _____ CIRCULATE _____

Intermediate Casing

Hole Size: _____ 14.75" and 12.25" _____ Casing Size: _____ 13.375" and 9.625" *or* _____

Cemented with: _____ 3,236 and 3,005 _____ sx. _____ ft³ _____

Top of Cement: _____ SURFACE _____ Method Determined: _____ CIRCULATE _____

Production Casing

Hole Size: _____ 8.5" _____ Casing Size: _____ 7.625" _____ *or* _____

Cemented with: _____ 276 _____ sx. _____ ft³ _____

Top of Cement: _____ 12,333 _____ Method Determined: _____ CBL _____

Total Depth: _____ Liner @ 19,333' & TD@ 20,708 _____

Injection Interval

_____ 6.5 Hole Size 19,333 to 20,708 feet _____

Open Hole;

INJECTION WELL DATA SHEET

Tubing Size: ___ 4.5" ___ Lining Material: ___ Douline Glassbore ___

Type of Packer: ___ Nickel plated double grip retrievable ___

Packer Setting Depth: ___ approx= 19,285 ___

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

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: ___ Devonian, Fusselman _____
3. Name of Field or Pool (if applicable): ___ SWD; Devonian _____
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: Bell Canyon (5,350'), Cherry Canyon (6,400'), Brushy Canyon (7,975'), 1st BS Sand (10,450'), 2nd BS Sand (11,275'), 3rd BS Sand (12,425'), Wolfcamp (12,425'), Strawn (14,650'), Atoka (15,225'), Morrow (15,825')
Under: NONE _____



July 1st, 2019

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
The Osprey State SWD Well #1, to be located in Section 36, Township 25 South, Range 31
East, NMPM, Eddy 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 Carlsbad Current Argus 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 and private 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,

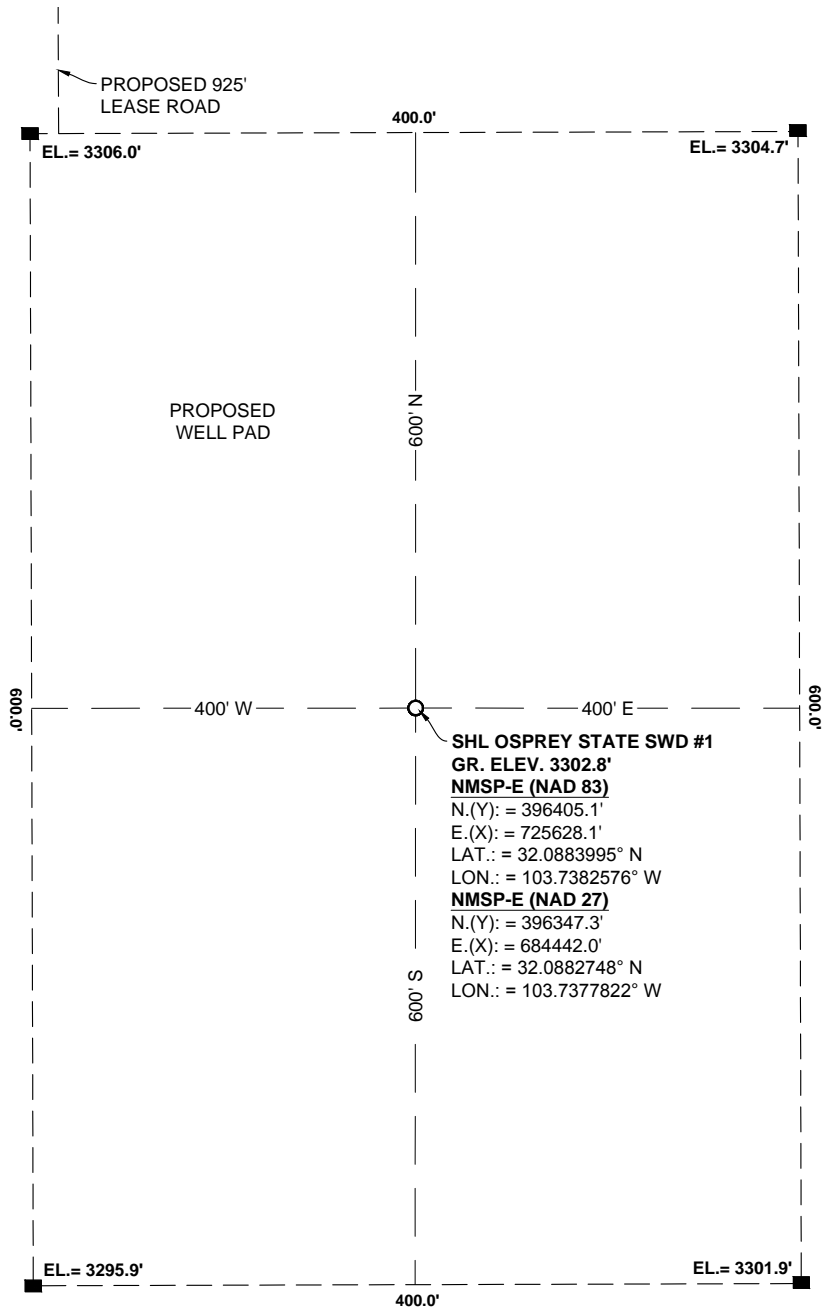
A handwritten signature in blue ink, appearing to read "Whitney McKee", is written over a printed name.

Whitney McKee

Solaris Water Midstream, LLC

Regulatory Specialist

SITE LOCATION



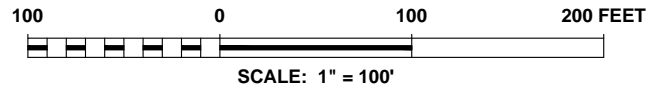
SECTION: 36, T25, R31, N.M.P.M.

COUNTY: EDDY STATE: NEW MEXICO

DESCRIPTION: 2040' FNL & 610' FWL

OPERATOR: SOLARIS WATER MIDSTREAM, LLC

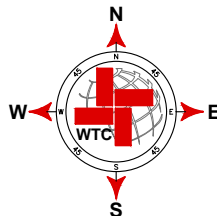
WELL NAME: OSPREY STATE SWD #1



DRIVING DIRECTIONS:

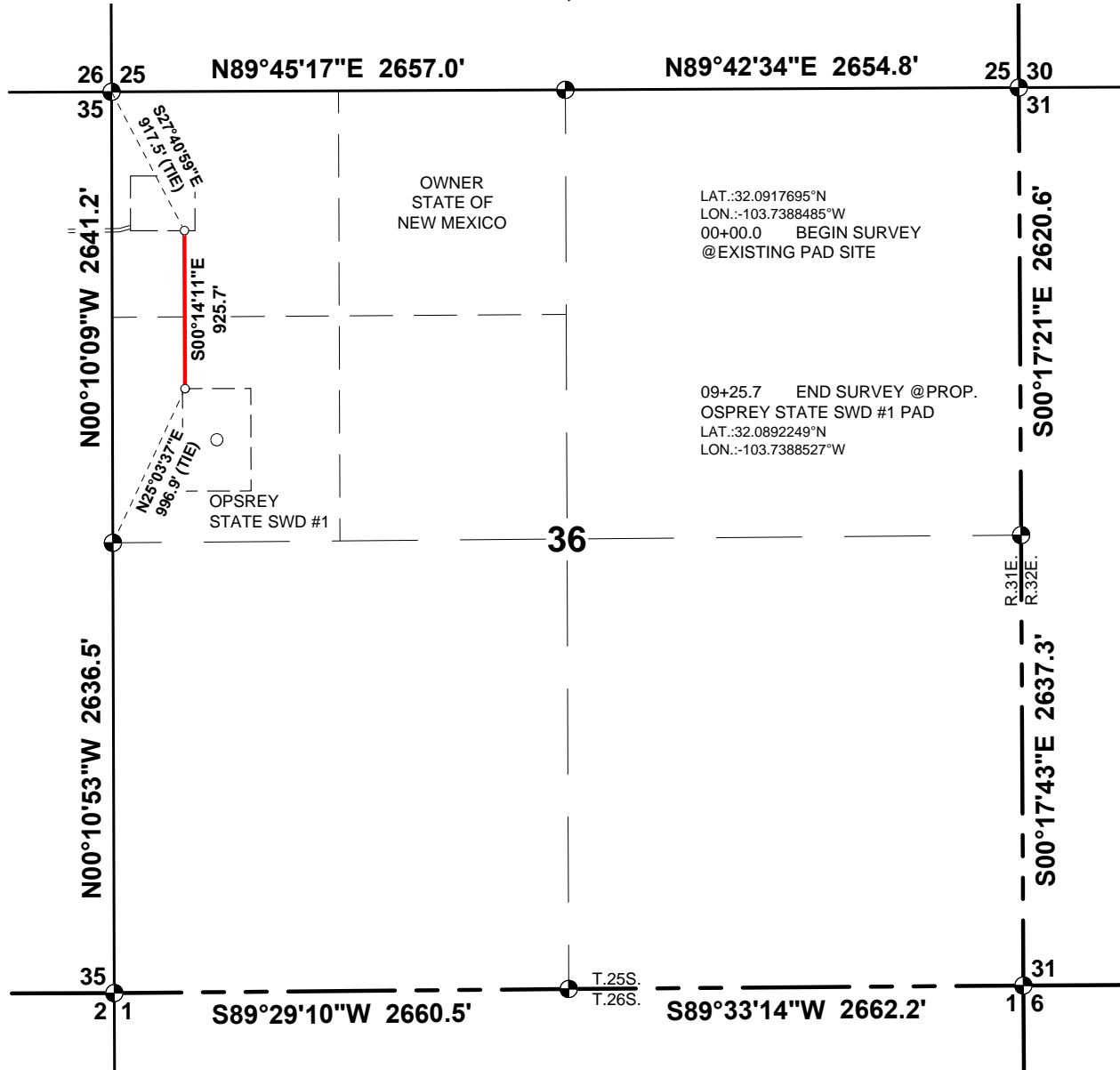
Beginning at the intersection of NM Highway 128 & County Road 1 (Orla Rd.) in Lea County; head South on County Road 1 ±10.5 miles to a lease road on the right (Ross Ln.). Turn right onto lease road and head West ±4.9 miles to a lease road on the right. Turn right onto lease road and head North ±1.8 miles to a lease road on the right. Turn right onto lease road and head East ±1.1 miles to a proposed staked lease road on the Southeast corner of an existing pad site. The flagged well location is ±1224 feet from the existing pad.

WTC, INC.
 405 S.W. 1st Street
 Andrews, TX 79714
 (432) 523-2181



JOB No.: WTC53208

**SECTION 36, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO**



LAT.:32.0917695°N
LON.:103.7388485°W
00+00.0 BEGIN SURVEY
@EXISTING PAD SITE

09+25.7 END SURVEY @PROP.
OSPREY STATE SWD #1 PAD
LAT.:32.0892249°N
LON.:103.7388527°W

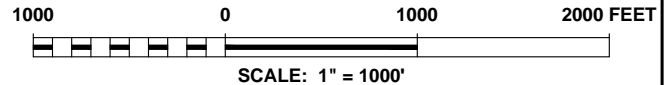
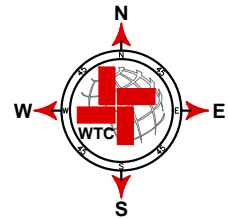
CENTERLINE DESCRIPTION

A STRIP OF LAND 30 FEET IN WIDTH AND 925.7 FEET OR 56.10 RODS IN LENGTH, AND CONTAINING 0.64 ACRES SITUATED IN SECTION 36, TOWNSHIP 25 SOUTH, RANGE 31 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO, AND BEING 15 FEET LEFT AND 15 FEET RIGHT OF THE SURVEY OF CENTERLINE AS SHOWN HEREON AND BEING DIVIDED INTO FORTIES AS FOLLOWS;

NW4/NW4= 505.3 FEET, 30.62 RODS, 0.35 ACRES
SW4/NW4= 420.4 FEET, 25.48 RODS, 0.29 ACRES

- SET SPIKE NAIL FOR BEGIN/END OR ANGLE POINT
- Fnd. USGLO BRASS CAP
- ⊗ CALCULATED CORNER

NOTES:
BASIS OF BEARING, COORDINATES, AND DISTANCES ARE A TRANSVERSE MERCATOR PROJECTION OF THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83, BASED ON CONTROL POINT WESTERN AT N=-388045.884' - E=740119.688', WITH A CONVERGENCE ANGLE OF 00°20'26.45" AND A COMBINED SCALE FACTOR OF 0.999801836



I, JAMES E. TOMPKINS, NEW MEXICO PROFESSIONAL SURVEYOR NO. 14729, DO HEREBY CERTIFY THAT THIS PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

James E. Tompkins 05/16/2019
JAMES E. TOMPKINS, N.M. P.L.S. No.14729
 SURVEY DATE: 05/07/2019 DRAFT:M.Y.
 JOB NO.: WTC53208 SHEET:01 OF 01



A PROPOSED
LEASE ROAD
CROSSING SECTION 36,
T-25-S, R-31-E, N.M.P.M.,
EDDY COUNTY, NEW
MEXICO



WTC, INC.
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181

PLAT: X:\PROJECT\SOIL & GAS SURVEYS\SOLARIS MIDSTREAM\STAKE & PLAT 5 SWD LOCATIONS, LEA CO. MIDDRAWINGS\5208-DABY-STATE SWD 1 LAYOUT TAB.NM

C- 108 Item VI
Area of Review Well Data

Osprey State SWD #1

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

C- 108 Item X Logs and Available Test Data

Osprey State 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

Osprey State 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 3,866 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**

Osprey State SWD #1

Item VII.4- Water Analysis of Source Zone Water

Delaware
Bone Spring
Avalon

Item VII.5- Water Analysis of Disposal Zone Water

Devonian

Water Analyses follow this page.

wellname	formation	sampledate	ph	tds_mgl	resistivity_ohm_cm	sodium_mgl	calcium_mgl	iron_mgl	magnesium_mgl	manganese_mgl	chloride_mgl	bicarbonate_mgl	sulfate_mgl	co2_mgl
COTTON DRAW UNIT #136H	AVALON LOWER	2/1/13 0:00	7.1	176370.9	63443.9	3351	36	615	0.8	104946	1537.2	1188	40	
COTTON DRAW UNIT #134H	AVALON LOWER	1/27/14 0:00	6.66	173840.4	59159	4411	73	912	1.5	105084	1403	0	350	
COTTON DRAW UNIT #136H	AVALON LOWER	1/27/14 0:00	6.7	154676.5	55033	1169	47	261	0.8	94550	1220	0	300	
COTTON DRAW UNIT #134H	AVALON LOWER	3/29/11 0:00	6.6	85262.9	31498.1	815	15	116	0.2	48116	2867	1368	200	
COTTON DRAW UNIT #135H	AVALON MIDDLE	2/1/13 0:00	7.1	204607.1	68549.6	7663	25	1369	1.5	123033	976	1434	60	
COTTON DRAW UNIT #137H	AVALON MIDDLE	2/1/13 0:00	7.3	230564.8	73317.3	11591	44	1987	2.5	140233	610	781	40	
COTTON DRAW UNIT #135H	AVALON MIDDLE	6/25/13 0:00	6.5	221504.1	71676	11845	49	2039	2.5	131876	707.6	1106	50	
COTTON DRAW UNIT #135H	AVALON MIDDLE	1/27/14 0:00	6.6	193809	59779	8398	95	1562	2.5	120738	549	0	400	
COTTON DRAW UNIT #137H	AVALON MIDDLE	1/27/14 0:00	6.4	201266.5	60669	9699	64	1785	2.5	125944	488	300	0	
COTTON DRAW UNIT #137H	AVALON MIDDLE	2/20/14 0:00	6.3	194713	58546	10372	70	1733	3	120869	634	656	570	
SOFTSHELL 22 FEDERAL #001	AVALON UPPER	9/5/13 0:00	6.8	160733	52106	1481	68	289	0.9	102300	2342.4	1012	60	
COTTON DRAW UNIT #220H	BONE SPRING 2ND SAND	6/30/14 0:00	6.5	164473.4	53511.8	9168.8	44.7	1111.4	1.41	98461	244	0	200	
COTTON DRAW UNIT #225H	BONE SPRING 2ND SAND	1/25/15 0:00	6.2	126269.1	40446.7	6580.5	43.2	894	1.63	76140.7	122	0	200	
COTTON DRAW UNIT #226H	BONE SPRING 2ND SAND	1/25/15 0:00	6.1	135102.7	42665.9	7042.6	54.3	944	2.19	82210.5	122	0	250	
COTTON DRAW UNIT #219H	BONE SPRING 2ND SAND	1/27/15 0:00	6.3	151759.9	46840.4	7768.3	47	933	1.22	93955.3	122	0	200	
COTTON DRAW UNIT #220H	BONE SPRING 2ND SAND	1/27/15 0:00	6.3	151611	47257.6	7748.1	48.7	954	1.3	93154.3	122	875.3	200	
COTTON DRAW UNIT #216H	BONE SPRING 2ND SAND	1/27/15 0:00	6.3	143226.8	42636.7	6947.7	35.4	881.4	1.06	90482.2	244	0	300	
COTTON DRAW UNIT #217H	BONE SPRING 2ND SAND	1/27/15 0:00	6.4	143721.9	43196.3	7185.3	47.3	911.9	1.17	90263.4	122	0	200	
COTTON DRAW UNIT #219H	BONE SPRING 2ND SAND	10/17/13 0:00	6.5	99209	33720	3384	38	912	3	56135	122	3635	150	
COTTON DRAW UNIT #164H	BONE SPRING 2ND SAND	1/27/14 0:00	6.6	154710.4	46995	6817	39	940	1.5	97481	183	0	200	
COTTON DRAW UNIT #164H	BONE SPRING 2ND SAND	10/29/14 0:00	6.3	157604.8	45851.5	7916	78.4	914	1.81	100557	244	0	250	
COTTON DRAW UNIT #219H	BONE SPRING 2ND SAND	11/18/14 0:00	6.4	155083	46690.1	7728.7	132	945.5	1.8	97130.8	183	876.9	200	
COTTON DRAW UNIT #219H	BONE SPRING 2ND SAND	11/18/14 0:00	6.4	154900.7	46690.1	7728.7	132	945.5	1.78	97130.8	183	876.9	200	
COTTON DRAW UNIT #220H	BONE SPRING 2ND SAND	11/18/14 0:00	6.2	151545	47168.6	7450	48.1	989.6	1.15	93392.1	122	0	200	
COTTON DRAW UNIT #220H	BONE SPRING 2ND SAND	11/18/14 0:00	6.2	151722	47168.6	7450	48.1	989.6	1.11	93392.1	122	1116.7	200	
COTTON DRAW UNIT #202H	BONE SPRING 2ND SAND	11/18/14 0:00	6.2	160017	48268.6	7948.4	38.3	1005.5	1.1	100334.1	122	834.5	100	
COTTON DRAW UNIT #202H	BONE SPRING 2ND SAND	11/18/14 0:00	6.2	166762.2	50511.3	8741.5	34.9	1113.3	1.09	104123.2	122	0	150	
COTTON DRAW UNIT #202H	BONE SPRING 2ND SAND	11/18/14 0:00	6.2	166972	50511.3	8741.5	34.9	1113.3	1.1	104123.2	122	698.3	150	
COTTON DRAW 10 FEDERAL COM #003H	BONE SPRING 2ND SAND	11/18/14 0:00	6	157230.6	48594.2	8080.1	33.4	1039.4	1.05	97266	122	0	150	
COTTON DRAW 10 FEDERAL COM #004H	BONE SPRING 2ND SAND	11/18/14 0:00	6	157444	48594.2	8080.1	33.4	1039.4	1	97266	122	767.5	150	
COTTON DRAW 15 FED COM #002H	BONE SPRING 2ND SAND	4/7/15 0:00	6.9	158206.7	0.05806	48491.4	7898.9	47.9	982.5	1.19	98665.6	122	0	200
COTTON DRAW UNIT #202H	BONE SPRING 2ND SAND	4/7/15 0:00	6.9	149970.4	0.06035	47221.1	7739.3	48.6	945.9	1.39	91736.6	188	0	200
COTTON DRAW 14 FED COM #001H	BONE SPRING 2ND SAND	4/7/15 0:00	6.4	155557.8	0.05827	47632.8	7833.6	31.4	950.8	0	96870.5	122	0	200
COTTON DRAW 14 FED COM #002H	BONE SPRING 2ND SAND	4/7/15 0:00	6.2	154868.7	0.05887	48183	8015.7	36	979.9	1.07	95447.5	122	0	200
COTTON DRAW 10 FEDERAL COM #004H	BONE SPRING 2ND SAND	4/7/15 0:00	6.8	156876.4	0.05826	47995.3	8167.1	46.9	1037.2	1.26	97409	152	0	200
COTTON DRAW UNIT #216H	BONE SPRING 2ND SAND	4/7/15 0:00	6.5	158125.7	0.05806	48703.1	8121.1	46.9	1022.8	1.06	98100	122	0	200
COTTON DRAW UNIT #217H	BONE SPRING 2ND SAND	4/7/15 0:00	6.5	150344.4	0.05979	46958.4	7753.9	38.7	968.6	0	93214.4	122	0	200
COTTON DRAW 14 FEDERAL #003H	BONE SPRING 2ND SAND	4/22/15 0:00	6.8	149342.5	0.05986	46535.7	7533.5	36	943.7	0	93134.6	122	0	200
COTTON DRAW 14 FEDERAL #004H	BONE SPRING 2ND SAND	4/22/15 0:00	6.8	148867.1	0.05986	46864.9	7735.5	34.3	953.9	1.08	91392.5	244	0	200
COTTON DRAW UNIT #222H	BONE SPRING 2ND SAND	4/22/15 0:00	6.8	145420.8	46832	7781.8	31.8	940.8	1.03	91091.9	144	0	200	
COTTON DRAW UNIT #221H	BONE SPRING 2ND SAND	4/22/15 0:00	7.1	145420.8	45961.8	7771.4	35	973.4	1.29	88433.1	144	0	200	
BIG SINKS DRAW 25 FEDERAL COM #001H	BONE SPRING 2ND SAND	6/11/14 0:00	7.1	145160.9	44866.9	7892.4	36	972.6	1.25	89011.8	244	0	200	
BIG SINKS DRAW 25 FEDERAL COM #001H	BONE SPRING 2ND SAND	6/11/14 0:00	6.5	137946	45552	7086	26	850	1	81903	244	683	25	
COTTON DRAW UNIT #219H	BONE SPRING 2ND SAND	6/30/14 0:00	6.7	126424.8	40645.2	6514.4	11.4	810.1	0	75892	244	0	200	
COTTON DRAW 14 FED COM #001H	BONE SPRING 2ND SAND	1/6/15 0:00	6.9	147434.3	45458.9	7994.4	37.3	982.6	1.17	90722.4	61	0	180	
COTTON DRAW 14 FED COM #002H	BONE SPRING 2ND SAND	1/6/15 0:00	7	145369.9	45077.6	7846.9	36.1	956.5	1.13	89272.7	61	0	220	
COTTON DRAW UNIT #220H	BONE SPRING 2ND SAND	1/7/15 0:00	6	155357.9	48378.6	7952.2	44.4	957.3	1.18	95566.7	244	0	200	
COTTON DRAW UNIT #218H	BONE SPRING 2ND SAND	1/7/15 0:00	6.2	152518	48678.5	7968.1	37.6	993.3	1.1	92365.3	122	846.7	150	
COTTON DRAW UNIT #218H	BONE SPRING 2ND SAND	1/7/15 0:00	6.2	152325.4	48678.5	7968	37.6	993.3	1.14	92365.3	122	0	150	

BIG SINKS DRAW 25 FEDERAL COM #003H	BONE SPRING 2ND SAND	5/21/15 0:00	6.12	200406.5	59653.7	10821.5	24.3	1679.7	1.93	125567.1	715	
COTTON DRAW UNIT #161H	DELAWARE-BRUSHY CANYON	10/7/15 0:00	6.5	257515.5	74122.9	16699.4	79.5	2736.1		160663.2	359.4	400
COTTON DRAW 13 FEDERAL #001H	DELAWARE-BRUSHY CANYON	10/7/15 0:00	6.7	239818.3	72792.6	12750.4	110.8	2141.6		149091.1	595.6	400
COTTON DRAW UNIT #172H	DELAWARE-BRUSHY CANYON	10/7/15 0:00	6.3	245565.5	71987.8	15105.6	76.4	2475.6		153168.3	545.1	400
COTTON DRAW UNIT #173H	DELAWARE-BRUSHY CANYON	10/7/15 0:00	6.5	240893.6	69999.9	13540.5	54	2248.5		152475.6	600.8	300
COTTON DRAW 10 FEDERAL COM #002H	DELAWARE-BRUSHY CANYON	2/1/13 0:00	7.4	254959.9	79764.6	13961	35	2265	2.5	156140	48.8	20
COTTON DRAW UNIT #153H	DELAWARE-BRUSHY CANYON	6/25/13 0:00	6.7	271580.1	82640	18493	103	3404	5	163110	219.6	286
COTTON DRAW 11 FEDERAL #002H	DELAWARE-BRUSHY CANYON	1/27/14 0:00	6.3	249141.5	73945	14492	45	2514	2.5	155100	122	0
COTTON DRAW UNIT #162H	DELAWARE-BRUSHY CANYON	1/27/14 0:00	6.2	247108.5	74025	13425	76	2423	4.5	154200	122	0
COTTON DRAW 11 FEDERAL #002H	DELAWARE-BRUSHY CANYON	2/20/14 0:00	6.2	245188.5	72215	15714	45	2559	3	151636	98	380
COTTON DRAW UNIT #162H	DELAWARE-BRUSHY CANYON	2/20/14 0:00	6.2	257350	74080	14866	54	2518	3	162870	110	376
COTTON DRAW 10 FEDERAL COM #001H	DELAWARE-BRUSHY CANYON	11/4/14 0:00	6	259922	71811.8	15698.5	62	2546	3.91	166925.1	305	0
COTTON DRAW 10 FEDERAL COM #002H	DELAWARE-BRUSHY CANYON	11/4/14 0:00	6	248787.7	69168.6	15101.9	85.5	2497.6	3.39	159331.7	122	0
COTTON DRAW UNIT #160H	DELAWARE-BRUSHY CANYON	6/17/14 0:00	6	202329	64882.1	13144.3	55.3	2195.6	3.77	119000	244	0
COTTON DRAW UNIT #153H	DELAWARE-BRUSHY CANYON	12/1/14 0:00	6	259462.7	73189.3	17155.5	59.3	2948.2	3.44	163095.6	122	0
COTTON DRAW UNIT #154H	DELAWARE-BRUSHY CANYON	12/13/14 0:00	6	237973.7	68394.1	15453.2	43.6	2523.9	3.49	148589.6	188	0
COTTON DRAW UNIT #153H	DELAWARE-BRUSHY CANYON	9/21/11 0:00	6.2	194556.7	67591.7	5200	84	1944		117860	220	1657
COTTON DRAW UNIT #081		5/15/13 0:00	7.2	212182.4	62900.7	13704	29	2349	3.5	130100	134.2	331
COTTON DRAW UNIT #065		2/10/14 0:00	6.12	251232.5	73846	15965	56	2572	3.5	155756	122	0
COTTON DRAW UNIT #089		2/10/14 0:00	6.2	240716	69047	14901	68	2407	3	151403	122	0
COTTON DRAW #068		2/12/14 0:00	4.42	23445	7289	1376	424	167	24	13755	0	19
COTTON DRAW UNIT #076		2/12/14 0:00	6.7	128946.5	41405	6715	16	588	1	78100	317	481
COTTON DRAW UNIT #084		2/12/14 0:00	6.59	131449.7	42344	6992	6	601	0.2	79220	353	542
COTTON DRAW UNIT #084		2/12/14 0:00	4.74	85798.5	28036	3873	887	362	9	51300	59	389
COTTON DRAW UNIT #086		2/12/14 0:00	6.59	131449.7	42344	6992	6	601	0.2	79220	353	542
COTTON DRAW UNIT #065		2/20/14 0:00	7.47	246826	74769	16401	65	2689	3.5	149839	158	410
COTTON DRAW UNIT #089		2/20/14 0:00	7.4	25030.4	71818	14933	58	2445	3	162812	146.4	495
COTTON DRAW UNIT #089		2/20/14 0:00	7.4	242428.7	69222	14322	51	2315	2.5	153661	134.2	443
COTTON DRAW UNIT #089		2/20/14 0:00	7.67	250022.2	68772	14093	55	2298	2.5	161917	134.2	506
COTTON DRAW UNIT #081		7/21/05 0:00	6	251350.9	72408	18324	168	2885		154636	124.4	253
COTTON DRAW UNIT #084		7/21/05 0:00	7	122561	40610.6	5512	2	495		74201	290.4	456
COTTON DRAW UNIT #076		8/24/05 0:00	7	135335.2	45072.8	6045	2	480		82003	248.9	477
COTTON DRAW UNIT #081		8/24/05 0:00	5	264347.8	81366.6	15276	146	2599		162178	62.2	249
COTTON DRAW UNIT #084		8/24/05 0:00	7	136044.4	45442.1	5998	0.7	450		82374	311.1	468
COTTON DRAW UNIT #084		8/24/05 0:00	6.2	136576.4	45028.5	6334	280	485		82850	122.4	499
COTTON DRAW UNIT #089		8/11/15 0:00	6.4	193507	56637.5	10651.6	36.3	1522.3		122006.1	846.7	200
COTTON DRAW UNIT #076		3/9/11 0:00	7	133147.6	44488.8	5627	3.5	511	0.2	80547	341.6	468
COTTON DRAW UNIT #065		9/21/11 0:00	6	222994.1	73657.1	10000	42	1944		136320	500	531

C- 108 Item VIII Geologic Information

Osprey State 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 19,333 -20,708' BGL (Below Ground Level) the well will TD at approximately 20,708'. Mud logging through the interval will ensure the target interval remains in Devonian and Fusselman. Once Devonian is determined, the casing shoe depth will be set at an approximate maximum upper depth of 19,333 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 Woodford, Mississippian LM, Barnett and by the Morrow Lower and Morrow Clastics.

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 200- 400 feet.

There are no water wells located within one mile of the proposed SWD.

SOLARIS WATER MIDSTREAM, LLC
PROPOSED OSPREY STATE SWD #1
Section 32-T26S-R34E
1,050' FNL & 130' FWL
Eddy County, New Mexico
6/7/2019
Jim Brannigan, C.P.G., R.G.

GL: 3,325'

<u>Tops</u>	<u>Depths (est)</u>	<u>Subsea (est)</u>
Upper Permian Sands – H2O	0' – 400'	
T/Rustler- H2O	850'	+2,475
T/Salt	1,500'	+1,825
B/Salt	4,400'	-1,075
T/Delaware LM	5,300'	-1,975
T/ Bell Canyon – Oil	5,350'	-2,025
T/Cherry Canyon – Oil	6,400'	-3,075
T/Brushy Canyon – Oil	7,975'	-4,650
T/Bone Spring LM	9,525'	-6,200
T/1 st BS Sand – Oil	10,450'	-7,125
T/2 nd BS Sand – Oil	11,275'	-7,950
T/3 rd BS Sand – Oil	12,225'	-8,900
T/Wolfcamp – Oil	12,425'	-9,100
T/Strawn – Gas	14,650'	-11,325
T/Atoka – Gas	15,225'	-11,900
T/Morrow – Gas	15,825'	-12,500
T/Barnett	16,850'	-13,525
T/Miss LM	18,500'	-15,175
T/Woodford	18,875'	-15,550
T/Devonian	19,325'	-16,000
T/Fusselman	20,500'	-17,175
T/Montoya	20,900'	-17,575
T/Simpson	21,375'	-18,050
T/Ellenburger	22,425'	-19,100
T/Granite	23,200'	-19,875

Tops were picked in part using offset well files and e-log tops.

Overlying Oil & Gas Zones:

Bell Canyon (5,350')

Cherry Canyon (6,400')

Brushy Canyon (7,975')

1st BS Sand (10,450')

2nd BS Sand (11,275')

3rd BS Sand (12,225')

Wolfcamp (12,425')

Strawn (14,650')

Atoka (15,225')

Morrow (15,825')

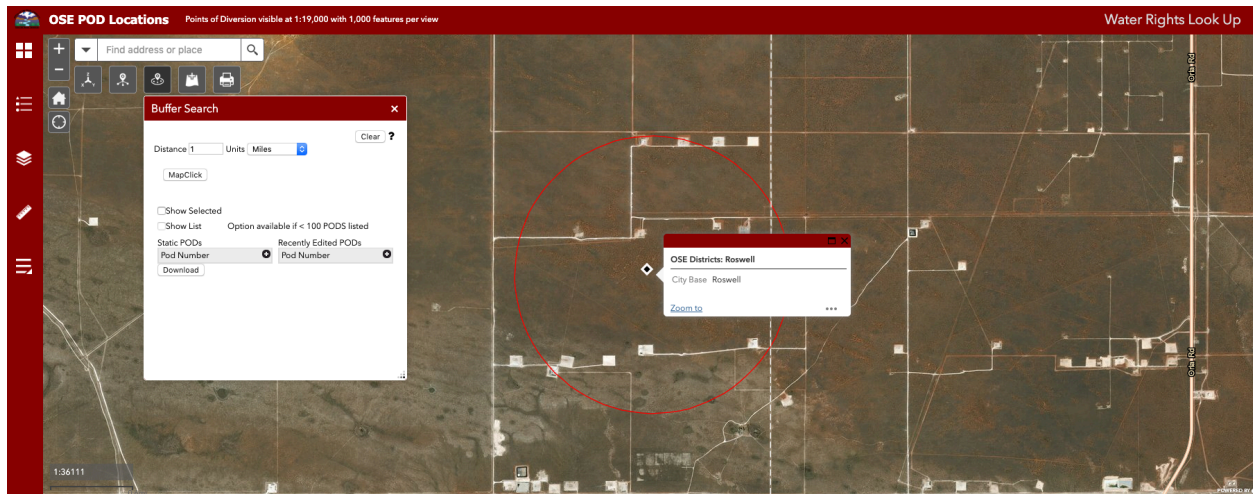
Underlying Oil & Gas Zones:

None

The proposed injection intervals include the formations below the top of the Devonian Carbonate. The highly cemented carbonates of the Devonian and deeper will provide favorable open hole integrity which to inject salt water without concern of the open hole section collapsing.

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

Osprey State SWD #1 Water Well Map



The subject well is located within the Carlsbad Basin.

Fresh water in the area is generally available from valley and basin fill of the Carlsbad-Pecos segment of the lower Pecos Valley complex of Quaternary alluvial sand and gravel deposits. State Engineer's records show water wells in surrounding area with an average depth to water at 300 ft.

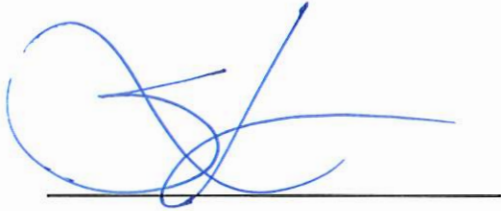
There are no water wells located within one mile of the proposed SWD.

**C- 108 Item XII
Geologic Affirmation**

Osprey State 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
 Osprey State SWD #1

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

Osprey State SWD #1



July 10th , 2019

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 Osprey State 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 36, Township 25 South, Range 31 East in Eddy County, New Mexico.

The published notice states that the interval will be from 19,333 feet to 20,708 feet into the Devonian and Fusselman Formations.

Following is the notice to be published in the Carlsbad Current-Argus, New Mexico on or about July 11th, 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 Osprey State SWD No. 1 will be located 2040 feet from the North line and 610 feet from the West line, Section 36, Township 25 South, Range 31 East, Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Devonian and Fusselman Formations at a depth of 19,333 feet to 20,708 feet at a maximum surface pressure of 3,866 psi and an maximum 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 22 miles SE of Malaga, 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 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/r9b2i01plzgbng5/AADuviXxqpPDO9VszmJU8eTha?dl=0>

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

Thank you for your attention to this matter.



Whitney McKee

Solaris Water Midstream, LLC
Regulatory Specialist



Legend

Subject SWD

Distance (miles)

0.5

1

2

Oil and Gas (NMOCD)

Gas, Active

Gas, Cancelled

Gas, New

Injection, Plugged

Oil, Active

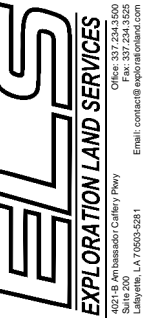
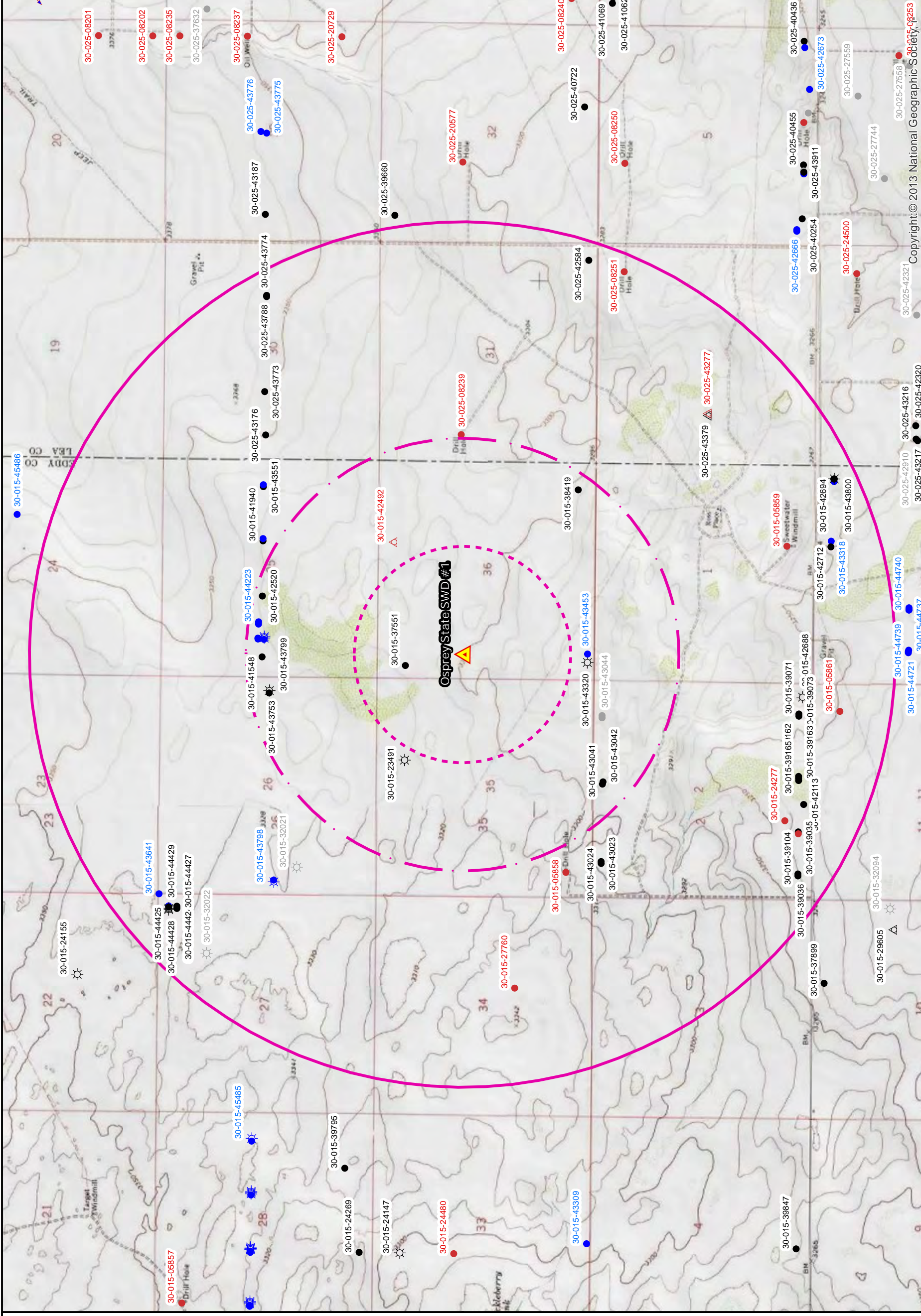
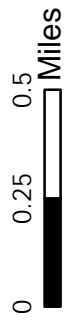
Oil, Cancelled

Oil, New

Oil, Plugged

Salt Water Injection, Active

Salt Water Injection, Plugged



Oil and Gas Wells

Solaris Water Midstream - Osprey State SWD #1

July 01, 2019

Copyright © 2013 National Geographic Society, 12853

API	wellname	well_type	ulstr	ogrid	ogrid_name	status	tot_depth	pool_id_ji
30-015-27760	GUNNISON 34 FEDERAL #001	O	J-34-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	9400	[5690] BIG SINKS, DELAWARE; [33745] INGLE WELLS, DELAWARE; [96036] WILDCAT, GROUP
30-015-24277	ALMOST TEXAS UNIT #001	O	N-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	15900	[84335] ROSS RANCH, WOLFCAMP (G A BOLISH); [96411] BIG SINKS DELAWARE, SOUTHEAST
30-015-39073	SNAPPING 2 STATE #005H	O	P-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	9	[96403] WILDCAT, BONE SPRING; [97860] JENNINGS, BONE SPRING, WEST
30-015-39163	SNAPPING 2 STATE #007H	O	O-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	8551	[97860] JENNINGS, BONE SPRING, WEST
30-015-41940	BIG SINKS DRAW 25 FEDERAL COM #003H	O	A-2-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-39036	SNAPPING 2 STATE #003H	O	M-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	9	[96403] WILDCAT, BONE SPRING; [97860] JENNINGS, BONE SPRING, WEST
30-015-39071	SNAPPING 2 STATE #004H	O	P-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	0	[96403] WILDCAT, BONE SPRING; [97860] JENNINGS, BONE SPRING, WEST
30-015-43043	SNAPPING 2 STATE #015H	O	A-2-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	C	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-43641	SHIRE 22 FEDERAL #004H	O	P-15-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	C	0	[96641] PADUCA, BONE SPRING (O)
30-015-43041	SNAPPING 2 STATE #011H	O	B-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10243	[96403] WILDCAT, BONE SPRING; [97860] JENNINGS, BONE SPRING, WEST
30-015-42520	BIG SINKS DRAW 25 FEDERAL COM #002H	O	F-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-44423	LUSTIANO 27 15 FEDERAL COM #234H	O	A-27-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-44426	LUSTIANO 27 34 FEDERAL COM #528H	O	A-27-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	8750	[97860] JENNINGS, BONE SPRING, WEST
30-015-44429	LUSTIANO 27 34 FEDERAL COM #718H	G	A-27-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	11906	[98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-43044	SNAPPING 2 STATE #016H	O	A-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	C	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-44428	LUSTIANO 27 34 FEDERAL COM #626H	G	A-27-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	11737	[98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-44820	BIG SINKS DRAW 25 24 FEDERAL COM #531H	O	E-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-44020	BIG SINKS DRAW 25 24 FEDERAL COM #421H	O	E-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	8172	[96757] COTTON DRAW, DELAWARE SOUTH
30-015-44042	SNAPPING 2 STATE #012H	O	B-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10240	[96403] WILDCAT, BONE SPRING; [97860] JENNINGS, BONE SPRING, WEST
30-015-44424	LUSTIANO 27 34 FEDERAL COM #235H	O	A-27-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10292	[97860] JENNINGS, BONE SPRING, WEST
30-015-44427	LUSTIANO 27 34 FEDERAL COM #536H	O	A-27-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-45098	BIG SINKS DRAW 25 24 FEDERAL COM #331H	O	E-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-42113	SNAPPING 2 STATE #013H	O	N-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	0	[96654] WILDCAT BIG SINK, BONE SPRING
30-015-43024	SNAPPING 2 STATE #010H	O	D-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10205	[96403] WILDCAT, BONE SPRING; [97860] JENNINGS, BONE SPRING, WEST
30-015-42688	SNAPPING 2 STATE #014H	G	P-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	12023	[84335] ROSS RANCH, WOLFCAMP (G A BOLISH); [98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-39035	SNAPPING 2 STATE #002H	O	N-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	8966	[96403] WILDCAT, BONE SPRING
30-015-39104	SNAPPING 2 STATE #001Y	O	M-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	8574	[96403] WILDCAT, BONE SPRING; [97860] JENNINGS, BONE SPRING, WEST
30-015-39162	SNAPPING 2 STATE #006H	O	O-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	9004	[97860] JENNINGS, BONE SPRING, WEST
30-015-39165	SNAPPING 2 STATE #008H	O	O-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	8981	[97860] JENNINGS, BONE SPRING, WEST
30-015-41548	BIG SINKS DRAW 25 FEDERAL COM #001H	O	E-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10364	[97860] JENNINGS, BONE SPRING, WEST; [98009] WC-015 G-05 S263125N, BONE SPRING
30-015-43023	SNAPPING 2 STATE #009H	O	D-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10215	[96403] WILDCAT, BONE SPRING; [97860] JENNINGS, BONE SPRING, WEST
30-015-38982	SNAPPING 2 STATE #001	O	N-02-265-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	9	[96403] WILDCAT, BONE SPRING
30-015-43551	BIG SINKS DRAW 25 FEDERAL COM #004H	O	H-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10476	[97860] JENNINGS, BONE SPRING, WEST
30-015-44123	BIG SINKS DRAW 25 24 FEDERAL COM #424H	O	H-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	0	[96757] COTTON DRAW, DELAWARE SOUTH
30-015-44819	BIG SINKS DRAW 25 24 FEDERAL COM #521H	O	E-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-45061	BIG SINKS DRAW 25 24 FEDERAL COM #423H	O	G-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	0	[96757] COTTON DRAW, DELAWARE SOUTH
30-015-45065	BIG SINKS DRAW 25 24 FEDERAL COM #711H	G	E-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	0	[98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-45097	BIG SINKS DRAW 25 24 FEDERAL COM #611H	G	E-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	0	[98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-44223	BIG SINKS DRAW 25 24 FEDERAL COM #422H	O	F-25-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	N	0	[96757] COTTON DRAW, DELAWARE SOUTH
30-015-44425	LUSTIANO 27 34 FEDERAL COM #336H	O	A-27-255-31E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	11513	[97860] JENNINGS, BONE SPRING, WEST
30-015-42492	SATCHMO SWD STATE #001	S	B-36-255-31E	25575	EOG Y RESOURCES, INC.	H	6905	[96100] SWD, DELAWARE
30-015-32021	BIG SINKS 26 FEDERAL COM #001	G	L-26-255-31E	4323	CHEVRON U.S.A INC	C	0	
30-015-32022	BIG SINKS 27 FEDERAL COM #001	G	P-27-255-31E	4323	CHEVRON U.S.A INC	C	0	
30-015-38419	COLTRANE 36 B2PA STATE #001H	O	P-36-255-31E	14744	MEWBOURNE OIL CO	A	10384	[30215] HAY HOLLOW, BONE SPRING
30-015-23491	BIG SINKS FEDERAL COM #001	G	B-35-255-31E	14744	MEWBOURNE OIL CO	A	15700	[84330] ROSS DRAW, WOLFCAMP (G A BOLISH); [98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-43750	ARMSTRONG 26 35 WOLM FEDERAL COM #001H	O	L-26-255-31E	14744	MEWBOURNE OIL CO	N	0	[97860] JENNINGS, BONE SPRING, WEST; [98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-43753	ARMSTRONG 26 35 W1P FEDERAL COM #001	O	H-26-255-31E	14744	MEWBOURNE OIL CO	A	12090	[97860] JENNINGS, BONE SPRING, WEST; [98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-43725	BIG SINKS 1 B2 PA FEDERAL COM #003H	O	A-12-265-31E	14744	MEWBOURNE OIL CO	N	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-43800	BIG SINKS 1 W1PA FEDERAL COM #002H	G	A-12-265-31E	14744	MEWBOURNE OIL CO	A	12072	[84335] ROSS RANCH, WOLFCAMP (G A BOLISH); [97860] JENNINGS, BONE SPRING, WEST;
30-015-43318	BIG SINKS 1 A2O8 FEE #001H	O	B-12-265-31E	14744	MEWBOURNE OIL CO	N	0	[97838] JENNINGS, UPPER BONE SPRING SHALE
30-015-43798	ARMSTRONG 26 35 W1LM FEDERAL COM #002H	G	L-26-255-31E	14744	MEWBOURNE OIL CO	N	0	[84335] ROSS RANCH, WOLFCAMP (G A BOLISH); [98220] PURPLE SAGE, WOLFCAMP (GAS)

API	wellname	well_type	ulstr	ogrid	ogrid_name	status	tot_depth	pool_id_li
30-015-42712	BIG SINKS 1 A30B FEE #002H	O	B-12-265-31E	14744	MEWBOURNE OIL CO	A	9132	[97860] JENNINGS, BONE SPRING, WEST
30-015-43799	ARMSTRONG 26 35 W01P FEDERAL COM #002H	G	H-26-255-31E	14744	MEWBOURNE OIL CO	A	11760	[84335] ROSS RANCH, WOLFCAMP (G)[ABOLISH]; [98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-43320	BEBOP 36 W1MD STATE #002H	G	M-36-255-31E	14744	MEWBOURNE OIL CO	A	12038	[84335] ROSS RANCH, WOLFCAMP (G)[ABOLISH]; [98220] PURPLE SAGE, WOLFCAMP (GAS)
30-015-42694	BEBOP 36 B2MD STATE #001H	O	A-12-265-31E	14744	MEWBOURNE OIL CO	A	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-43453	BEBOP 36 B2MD STATE #001H	O	M-36-255-31E	14744	MEWBOURNE OIL CO	N	0	[97860] JENNINGS, BONE SPRING, WEST
30-015-37551	BEBOP BPE STATE #001H	O	D-36-255-31E	14744	MEWBOURNE OIL CO	A	8796	[97860] JENNINGS, BONE SPRING, WEST
30-015-05859	PRE-ONGARD WELL #001	O	O-01-265-31E	214263	PRE-ONGARD WELL OPERATOR	P	0	
30-015-05861	PRE-ONGARD WELL #001	O	A-11-265-31E	214263	PRE-ONGARD WELL OPERATOR	P	0	
30-015-05858	PRE-ONGARD WELL #001	O	M-35-255-31E	214263	PRE-ONGARD WELL OPERATOR	P	0	
30-025-42584	ALMOST EDDY 31 FEDERAL #001H	O	P-31-255-32E	7377	EOG RESOURCES INC	A	8732	[97838] JENNINGS, UPPER BONE SPRING SHALE
30-025-43176	ARABIAN 30 19 FEDERAL COM #001H	O	2-30-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10435	[97903] WC-025 G-08 S253235G, LWR BONE SPRIN
30-025-43788	ARABIAN 30 19 FEDERAL COM #004H	O	H-30-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10213	[97903] WC-025 G-08 S253235G, LWR BONE SPRIN
30-025-43773	ARABIAN 30 19 FEDERAL COM #002H	O	F-30-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10479	[97903] WC-025 G-08 S253235G, LWR BONE SPRIN
30-025-43774	ARABIAN 30 19 FEDERAL COM #003H	O	G-30-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10436	[97903] WC-025 G-08 S253235G, LWR BONE SPRIN
30-025-43379	PADUCA 6 SWD #001Y	S	2-06-265-32E	161968	MESQUITE SWD, INC	A	18881	[96101] SWD, DEVONIAN
30-025-43277	PADUCA 6 SWD #001	S	3-06-265-32E	161968	MESQUITE SWD, INC	H	960	[96101] SWD, DEVONIAN; [96838] DRY AND ABANDONED
30-025-08239	PRE-ONGARD WELL #001	O	2-31-255-32E	214263	PRE-ONGARD WELL OPERATOR	P	4614	
30-025-08251	PRE-ONGARD WELL #001	O	A-06-265-32E	214263	PRE-ONGARD WELL OPERATOR	P	4545	



Legend

▲ Subject SWD

Distance (miles)

0.5

1

2

Oil and Gas Leases

BLM Lease

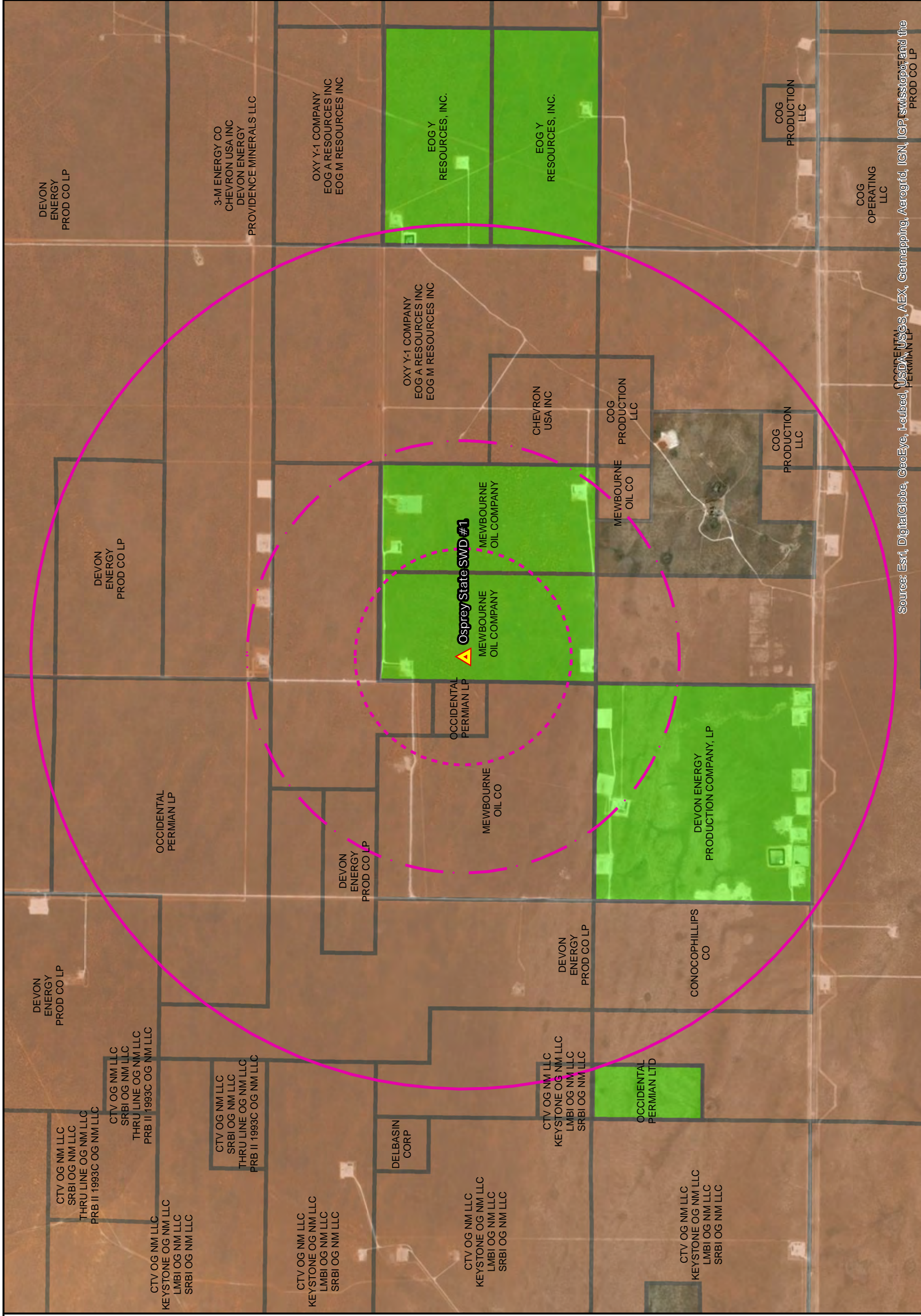
SLO Lease



0 0.25 0.5 Miles



4021 81st Louisiana Gateway Ferry
Suite 200
Lafayette, LA 70505-5281
Office: 337.234.5200
Fax: 337.234.3255
Email: contact@explorationland.com



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aergrid, IGN, IGP, swisstopo, and the PROD CO LP

New Mexico State and Federal Leases

Solaris Water Midstream - Osprey State SWD #1

July 01, 2019

SerialNumb	Name1	PerInt1	Name2	PerInt2	Name3	PerInt3	Name4	PerInt4
NMNM 089057	DEVON ENERGY PROD CO LP	100		0		0		0
NMNM 016131	DEVON ENERGY PROD CO LP	100		0		0		0
NMLC 0068282A	CONOCOPHILLIPS CO	100		0		0		0
NMNM 0392082A	MAGNUM HUNTER PRODUCTION INC	100		0		0		0
NMLC 0061869	DEVON ENERGY PROD CO LP	100		0		0		0
NMLC 0062300	3-M ENERGY CO	0	CHEVRON USA INC	0	DEVON ENERGY	0	PROVIDENCE MINERALS LLC	0
NMNM 016348	OCCIDENTAL PERMIAN LP	100		0		0		0
NMNM 078267	CTV OG NM LLC	25	KEYSTONE OG NM LLC DEVON ENERGY PROD CO LP	18.75	LMBI OG NM LLC	18.75	SRBI OG NM LLC	18.75
NMLC 0061862	CHEVRON USA INC	50		50		0		0
NMLC 0063136A	CTV OG NM LLC	25	KEYSTONE OG NM LLC	18.75	LMBI OG NM LLC	18.75	SRBI OG NM LLC	18.75
NMLC 0061672A	CTV OG NM LLC	25	SRBI OG NM LLC	18.75	THRU LINE OG NM LLC	18.75	PRB II 1993C OG NM LLC	6.25
NMNM 017232	MEWBOURNE OIL CO	100		0		0		0
NMNM 108971	OXY Y-1 COMPANY	33.333	EOG A RESOURCES INC	33.333	EOG M RESOURCES INC	33.333		0
NMNM 019619		100		0		0		0
NMNM 112931	MEWBOURNE OIL CO	100		0		0		0
NMNM 112935	OXY Y-1 COMPANY	33.34	EOG A RESOURCES INC	33.33	EOG M RESOURCES INC	33.33		0
NMNM 125635	DEVON ENERGY PROD CO LP	100		0		0		0
NMNM 120910	COG PRODUCTION LLC	100		0		0		0
NMNM 120909	CHEVRON USA INC	100		0		0		0
NMNM 128929	OCCIDENTAL PERMIAN LP	100		0		0		0
NMNM 128360	DEVON ENERGY PROD CO LP	100		0		0		0
NMNM 125634	DEVON ENERGY PROD CO LP	100		0		0		0

Table 2b
SLO Leases Within 2 Miles

UNIQUEKEY	LSE_PREFIX	LSE_NUMBER	LSE_SUFFIX	OGRID	OGRID_NAM
LG06900002	LG	690	2	6137	DEVON ENERGY PRODUCTION COMPANY, LP
LG13260001	LG	1326	1	157984	OCCIDENTAL PERMIAN LTD
V076790001	V0	7679	1	90712	MEWBOURNE OIL COMPANY
V076910001	V0	7691	1	90712	MEWBOURNE OIL COMPANY
VB07770001	VB	777	1	25575	EOG Y RESOURCES, INC.
VB07870001	VB	787	1	25575	EOG Y RESOURCES, INC.



Legend

Subject SWD

Distance (miles)

0.5

1

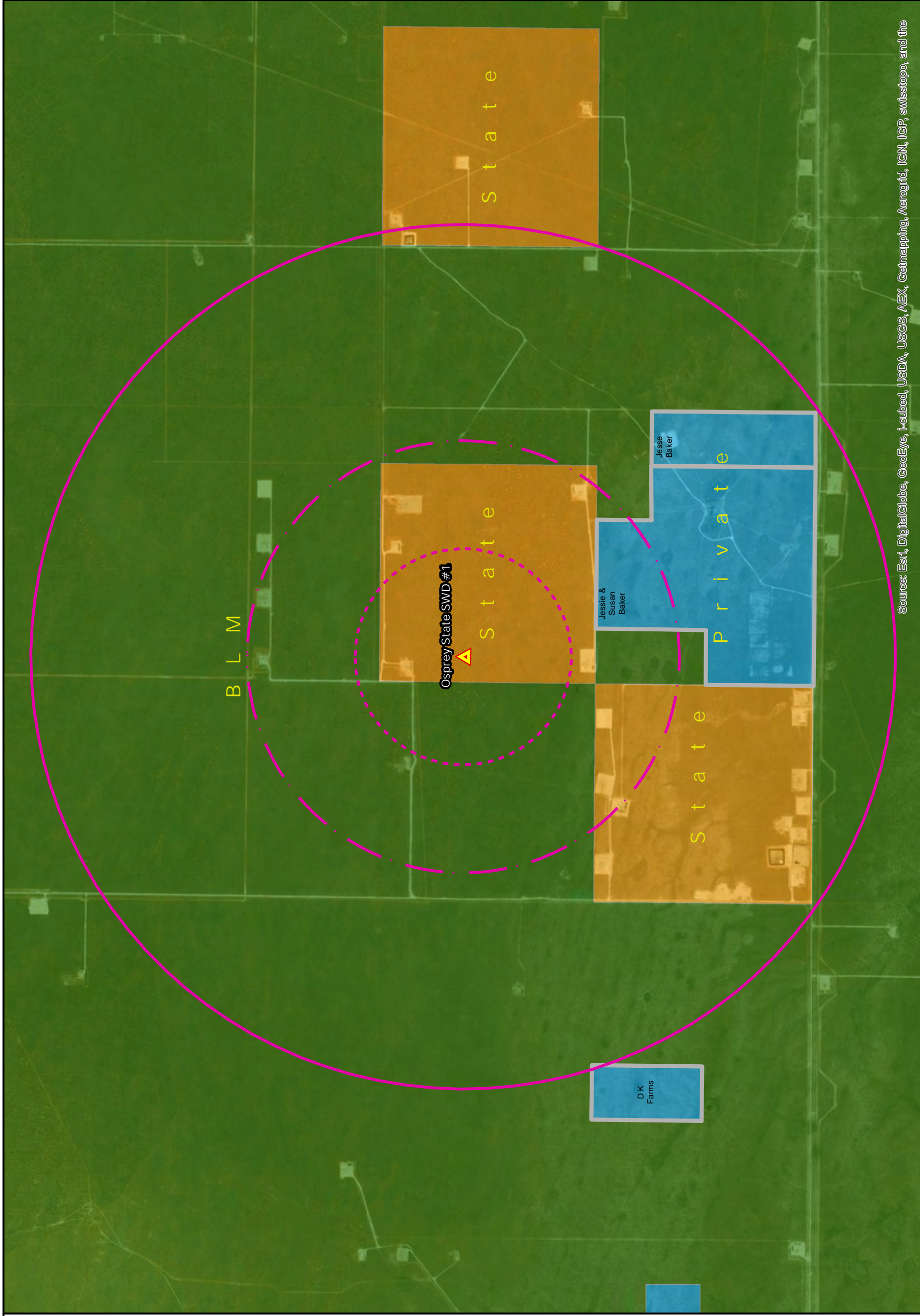
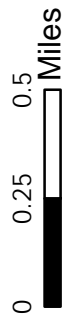
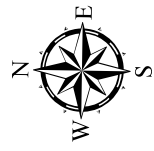
2

NM Land Ownership

BLM

State

Private



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aergrid, IGN, IGP, swisstopo, and the



Surface Owners

Solaris Water Midstream - Osprey State SWD #1

July 01, 2019

7/1/2019

Table 3
Surface Owners Within 2 Miles

Solaris Water Midstream
Osprey State SWD #1

OWNER NAME

BUREAU OF LAND MANAGEMENT

STATE OF NEW MEXICO

D K FARMS

JESSE BAKER

JESSIE & SUSAN BAKER