

# Initial Application Part I

Received: 06/27/2019

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

JUN 27 2019 AM 10:43

RECEIVED: <b>6/27/19</b>	REVIEWER: <b>BLL</b>	TYPE: <b>SWD</b>	APP NO: <b>pBL1934437882</b>
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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

<b>Applicant:</b> <u>Solaris Water Midstream, LLC</u>	<b>OGRID Number:</b> <u>371643</u>
<b>Well Name:</b> <u>Colt State SWD #1</u>	<b>API:</b> <u>30-015-xxxxx</u>
<b>Pool:</b> <u>Proposed; SWD; Devonian-Montoya</u>	<b>Pool Code:</b> <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

**SWD-2348**

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	
<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

*Whitney McKee*  
 Signature

6/25/19  
 Date

432-203-9020  
 Phone Number

whitney.mckee@solarismidstream.com  
 e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

- JUN 27 2019 AM 10:43
- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance XX Disposal  
\_\_\_\_\_ Storage Application qualifies for administrative approval? X X Yes \_\_\_\_\_ No
- II. OPERATOR: Solaris Water Midstream, LLC  
ADDRESS: 70701 Tradewinds Blvd., Suite C Midland, TX 797066  
CONTACT PARTY: Drew Dixon 832-304-7028
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
- 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, the 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.. See Addendum
- 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.nj
- 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
- XV. SIGNATURE: Whitney McKee DATE: 6/25/2019  
E-MAIL ADDRESS: whitney.mckee@solarismidstream.com
- XVI. 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.

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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.



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June 25th , 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 Colt State SWD Well #1, to be located in Section 2, Township 25 South, Range 32  
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 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 black ink, appearing to read "Whitney McKee".

Whitney McKee

Solaris Water Midstream, LLC

Regulatory Specialist

907 Tradewinds Blvd, Suite B, Midland TX 79706

Side 1

INJECTION WELL DATA SHEET

OPERATOR: \_\_\_\_\_ Solaris Water Midstream, LLC \_\_\_\_\_

WELL NAME & NUMBER: \_\_\_\_\_ Colt State SWD #1 \_\_\_\_\_

WELL LOCATION: \_\_\_\_\_ 1440' FNL & 300 'FWL \_\_\_\_\_ E \_\_\_\_\_ S: 2 \_\_\_\_\_ T:25S \_\_\_\_\_ R:32E \_\_\_\_\_  
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: \_\_\_\_\_ 18.125" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 16" \_\_\_\_\_  
Cemented with: \_\_\_\_\_ 2,761 \_\_\_\_\_ sx. *or* \_\_\_\_\_ ft<sup>3</sup>  
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: \_\_\_\_\_ 3,006 and 2,899 \_\_\_\_\_ sx. \_\_\_\_\_ ft<sup>3</sup>  
Top of Cement: \_\_\_\_\_ SURFACE \_\_\_\_\_ Method Determined: \_\_\_\_\_ CIRCULATE \_\_\_\_\_

Production Casing

Hole Size: \_\_\_\_\_ 8.5" \_\_\_\_\_ Casing Size: \_\_\_\_\_ 7.625" \_\_\_\_\_ *or*  
Cemented with: \_\_\_\_\_ 217 \_\_\_\_\_ sx. \_\_\_\_\_ ft<sup>3</sup>  
Top of Cement: \_\_\_\_\_ 12,018 \_\_\_\_\_ Method Determined: \_\_\_\_\_ CBL \_\_\_\_\_

Total Depth: \_\_\_\_\_ Liner @ 17,343' & TD@ 18,818 \_\_\_\_\_

Injection Interval

\_\_\_\_\_ 6.5 Hole Size 17,343 to 18,818 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= 17,293

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, Montoya

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 (4,850'), Cherry Canyon (5,650'), Brushy Canyon (7,200'), 1st BS Sand (9,825'), 2nd BS Sand (10,425'), 3rd BS Sand (11,675'), Wolfcamp (12,100'), Canyon (13,800'), Strawn (14,025'), Atoka (14,300'), Morrow (15,150')  
Under: NONE

**SOLARIS WATER MIDSTREAM - WELLBORE DATA SHEET**

**Colt State SWD #1**

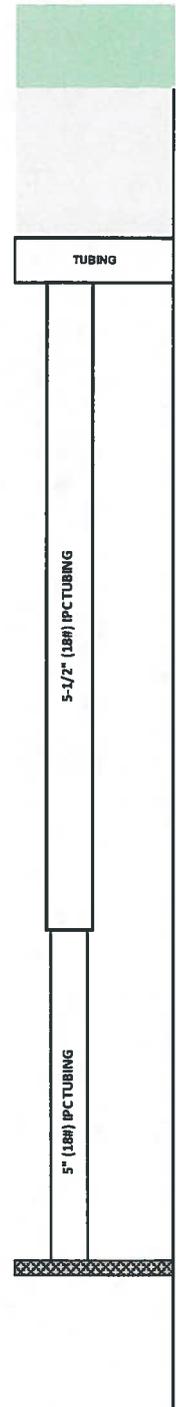


AREA/SYSTEM:	Pecos Star System
WELL NAME:	Colt State SWD #1
OBJECTIVE:	Devonian
SHL:	1440' FNL & 300' FWL, Sec 2, T259-R32E
BHL:	Same as SHL
SURFACE ELEV.:	3908'
TOTAL DEPTH:	18,818'

MUD LOGGING E LOGGING/ DIRECTIONAL	CASING SIZE (IN.)	RHS DRILL DEPTH		BOPE	FORMATION	HOLE SIZE (IN.)	MUD WT.	FRAC GRAD
		MD	TVD					
Grnd Level	RKB		30					
	GL ELEV.							
	30"	120'	120'	Open			8.8	
						18.125"	8.4	
	84 lb/ft J55, BTC	1,193'	1,193'	21-1/4"-5M Annular/Diverter	Rustler		8.4	
		1,243'			T/Salt		9.5	
Mud Logging to begin @ 2,500'								
		4,618'			B/Salt	14.75"	9.5 to 10	
	88 lb/ft L-80, EZ-GO FJ3	5,361'	5,361'	13-5/8"-5M Annular			10.0	
		5,668'		13-5/8"-5M BOP's	Cherry Canyon		9.4	FIT
		7,218'			Brushy Canyon			
		8,788'			Bone Spring			
		9,843'			1st BS Sand		9.4	
		10,443'			2nd BS Sand	12.25"	to 10.0	
		11,693'			3rd BS Sand			
		12,018'	12,018'					
	53.50 lb/ft HCP-110, BTC	12,218'	12,218'	13-5/8"-5M Annular	Wolfcamp		10.0	
		13,818'		13-5/8"-10M BOP's			12.5	15.6
		14,043'			Canyon			
		14,318'			Strawn			
		14,868'			Atoka			
		15,168'			Morrow	8.5"	12.5 to 13.5	
		16,293'			Morrow Clastics			
					Barnett			
	Liner Wedge #13 39 lb/ft P-110	17,343'	17,343'	13-5/8"-5M Annular	Devonian		13.5	
				13-5/8"-10M BOP's				
Run #1 GR/NEUTRON 18,818 - 0 USIT/CBL 17,343 - 0						6.5"	9.0	
	Dual 0"	18,818'	18,818'	13-5/8"-5M Annular	Base of Fusselman			
		TD 18,818'	18,818'	13-5/8"-10M BOP's				

Formation	GL	3508
Tops	KB	3538
	SS	TVD
Buster	2645	893
T/Salt	2295	1243
B/Salt	-1080	4618
	-2110	5648
Bell Canyon	-1330	4868
Cherry Canyon	-2130	5668
Brushy Canyon	-3680	7218
Bone Spring	-5230	8768
1st BS Sand	-6305	9843
2nd BS Sand	-6905	10443
3rd BS Sand	-8155	11693
Wolfcamp	-8580	12118
Penn		
Clisco		
Canyon	-10280	13818
Strawn	-10505	14043
Atoka	-10780	14318
Morrow	-11330	14868
Morrow Clastics	-11630	15168
Morrow Lower		
Barnett	-12755	16293
Miss LM	-13005	16543
Woodford		
Devonian	-13805	17343
Fusseiman	-15080	18618
T/Montoya	-15480	19018
Simpson	-15930	19468
Edinburger	-16905	20443
Glanville	-17530	21068
Injection Interval	17343	18618
TD		18618

Casing Set Depths/ Cement									
Conductor	120'	Casing Set Depths/ Cement			Setting Depth		Sacks of Cement	TOC	
		Hole Size	Casing Size	Casing Grade	Casing Weight	TOP			Bottom
Surface		18.125"	16"	J55, BTC	84 lb/ft	0-	1193	2,761	Surface
1st Intermediate		14.75"	13.375"	L-80, EZ-GO FJ3	68 lb/ft	0-	4918	3,006	Surface
2nd Intermediate		12.25"	9.625"	HCP-110, BTC	53.50 lb/ft	0-	12218	2,899	Surface
Liner Wedge 513		8.5"	7.625"	P-110	39 lb/ft	12018	17343	217	Liner Top
Openhole		6.5"				17343	18618		



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

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

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

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

State of New Mexico  
Energy, Minerals & 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  
 AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number	Pool Code <b>97869</b>	Pool Name <b>SWD; DEVONIAN</b>
Property Code	Property Name <b>COLT STATE SWD</b>	
OGRID No. <b>371643</b>	Operator Name <b>SOLARIS WATER MIDSTREAM, LLC</b>	Well Number <b>#1</b>
		Elevation <b>3508'</b>

**Surface Location**

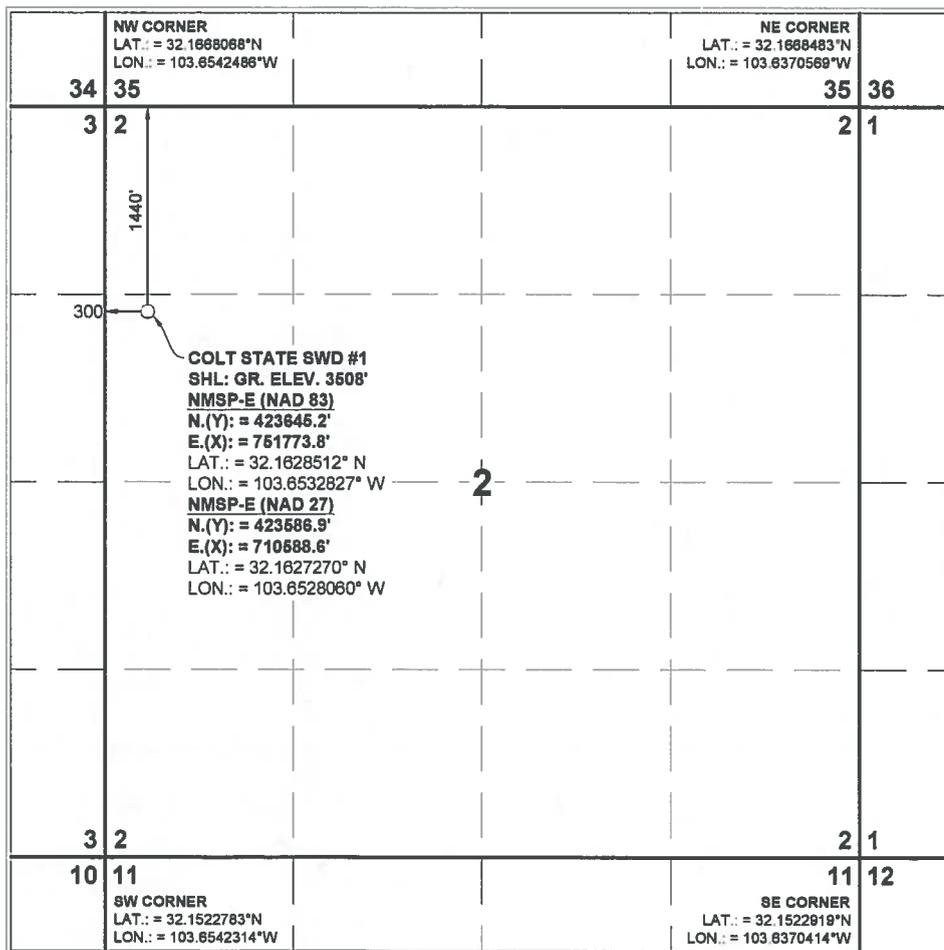
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>E</b>	<b>2</b>	<b>25S</b>	<b>32E</b>		<b>1440</b>	<b>NORTH</b>	<b>300</b>	<b>WEST</b>	<b>LEA</b>

**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

Dedicated Acres <b>5.51</b>	Joint or Infill	Consolidated 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.



**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

**SURVEYORS CERTIFICATION**

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

APRIL 23, 2019  
Date of Survey

Signature and Seal of Professional Surveyor: \_\_\_\_\_

James E. Tompkins

Job No.: WTC53208 Draft: M.P.  
JAMES E. TOMPKINS 14729  
Certificate Number \_\_\_\_\_

PLAT: X:\PROJECTS\OIL & GAS SURVEYS\SOLARIS MIDSTREAM\STAKE & PLAT 5 SWD LOCATIONS\LEA CO\NMI LAYOUT TAB: MAP95772019 10:00 AM



# AERIAL MAP



SECTION: 2, T25S, R32E, N.M.P.M.

COUNTY: LEA STATE: NEW MEXICO

DESCRIPTION: 1440' FNL & 300' FWL

OPERATOR: SOLARIS WATER MIDSTREAM, LLC

WELL NAME: COLT STATE SWD #1

2000 0 2000 4000 FEET

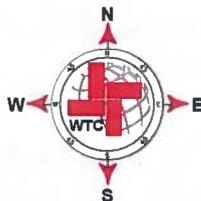


SCALE: 1" = 2000'

**DRIVING DIRECTIONS:**

**BEGINNING AT THE INTERSECTION OF NM HIGHWAY 128 AND ORLA RD. IN JAL, NEW MEXICO; HEAD SOUTH ON ORLA RD. FOR ±3.4 MILES TO A LEASE ROAD ON THE LEFT. TURN LEFT. HEAD EAST FOR ±0.5 MILES. TURN RIGHT. HEAD SOUTH FOR ±0.2 MILES. THE STAKED LOCATION FLAG IS TO THE EAST ±0.6 MILES FROM THE LEASE ROAD.**

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

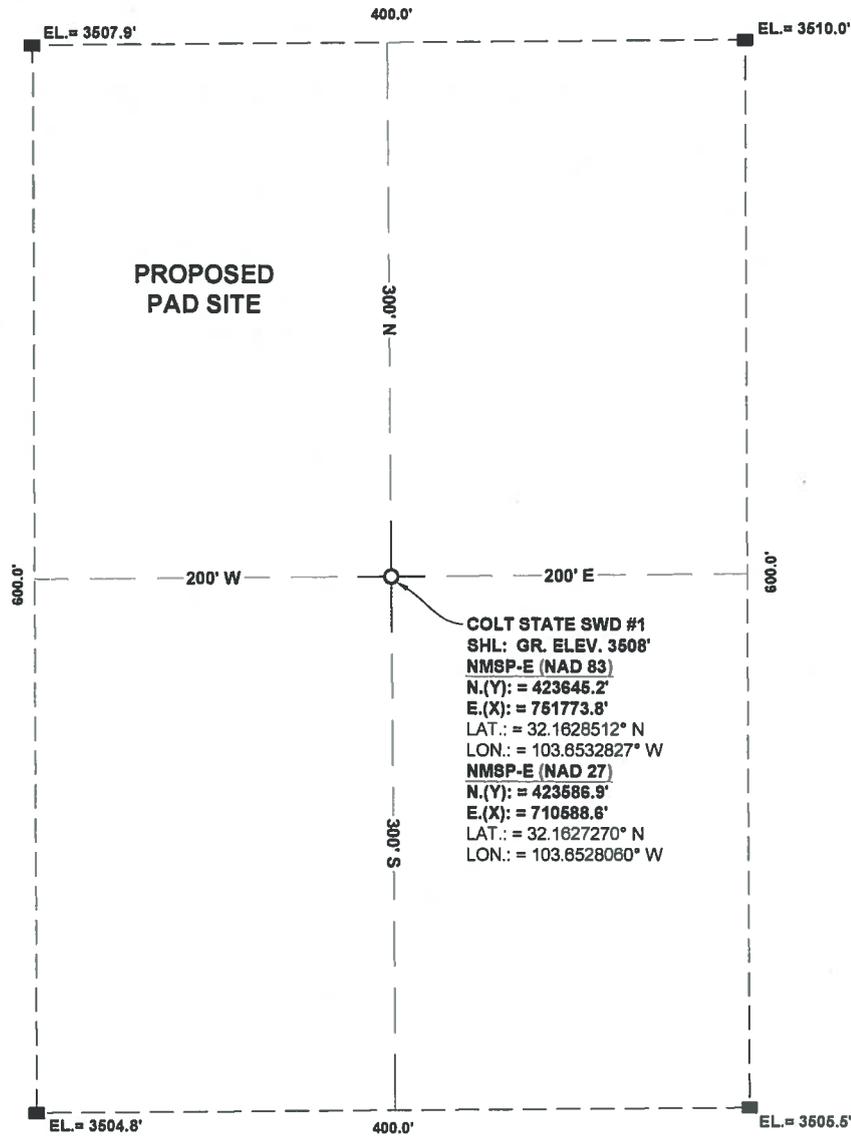


JOB No.: WTC53208

PLAT: X-PROJECTS/LEA & GAS SURVEY/SOLARIS MIDSTREAM/STAKE & PLAT 3 SWD LOCATIONS, LEA CO. MINORAWINGS3208-SOLARIS MIDSTREAM/STAKE & PLAT 3 SWD LOCATIONS, LEA CO. NM LAYOUT TAG: MAP957/2019 10:00 AM

# SITE LOCATION

SECTION LINE



**COLT STATE SWD #1**  
 SHL: GR. ELEV. 3508'  
 NMSP-E (NAD 83)  
 N.(Y) = 423645.2'  
 E.(X) = 761773.8'  
 LAT.: = 32.1628512° N  
 LON.: = 103.6532827° W  
 NMSP-E (NAD 27)  
 N.(Y) = 423586.9'  
 E.(X) = 710588.6'  
 LAT.: = 32.1627270° N  
 LON.: = 103.6528080° W

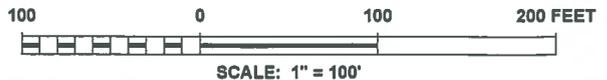
SECTION: 2, T25S, R32E, N.M.P.M.

COUNTY: LEA STATE: NEW MEXICO

DESCRIPTION: 1440' FNL & 300' FWL

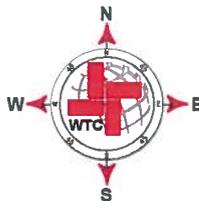
OPERATOR: SOLARIS WATER MIDSTREAM, LLC

WELL NAME: COLT STATE SWD #1



**DRIVING DIRECTIONS:**  
 BEGINNING AT THE INTERSECTION OF NM HIGHWAY 128 AND ORLA RD. IN JAL, NEW MEXICO; HEAD SOUTH ON ORLA RD. FOR ±3.4 MILES TO A LEASE ROAD ON THE LEFT. TURN LEFT. HEAD EAST FOR ±0.5 MILES. TURN RIGHT. HEAD SOUTH FOR ±0.2 MILES. THE STAKED LOCATION FLAG IS TO THE EAST ±0.6 MILES FROM THE LEASE ROAD.

**WTC, INC.**  
 405 S.W. 1st Street  
 Andrews, TX 79714  
 (432) 623-2181



JOB No.: WTC53208

**C- 108 Item VI**  
**Area of Review Well Data**

**Colt State SWD #1**

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



Table 1  
NM Wells Within 2 Miles

API	wellname	well_type	ulstr	ogrid	ogrid_name	status	tot_depth	pool_id_li
30-025-44337	PYTHON 36 STATE COM #701H	O	M-36-245-32E	7377	EOG RESOURCES INC	A	12321	[98180] WC-025 G-09 S253309A, UPR WOLF CAMP
30-025-44338	PYTHON 36 STATE COM #702H	O	M-36-245-32E	7377	EOG RESOURCES INC	A	12878	[98180] WC-025 G-09 S253309A, UPR WOLF CAMP
30-025-08175	COTTON DRAW UNIT #019	I	N-10-255-32E	16696	OXY USA INC	P	4771	[49460] PADUCA, DELAWARE
30-025-08172	E F RAY B NCT-1 #006	O	J-10-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	4775	[49460] PADUCA, DELAWARE
30-025-08173	E F RAY B NCT-1 #001	I	O-10-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	4800	[49460] PADUCA, DELAWARE
30-025-08178	E F RAY B NCT-1 #003	O	C-10-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	4815	[49460] PADUCA, DELAWARE
30-025-42516	PAINT 33 FEDERAL #001H	O	M-33-245-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10751	[97899] WC-025 G-06 S253206M, BONE SPRING
30-025-08170	COTTON DRAW UNIT #006	I	M-10-255-32E	16696	OXY USA INC	P	4795	[49460] PADUCA, DELAWARE
30-025-27873	COTTON DRAW UNIT #075	O	C-15-255-32E	16696	OXY USA INC	P	4750	[49460] PADUCA, DELAWARE
30-025-08186	COTTON DRAW UNIT #005	O	C-15-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4851	[49460] PADUCA, DELAWARE
30-025-08189	COTTON DRAW UNIT #021	O	B-15-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4798	[49460] PADUCA, DELAWARE
30-025-08179	COTTON DRAW UNIT #041	O	L-10-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4825	[49460] PADUCA, DELAWARE
30-025-08171	COTTON DRAW UNIT #060	I	G-10-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4896	[49460] PADUCA, DELAWARE
30-025-08166	COTTON DRAW UNIT #049	O	J-03-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4890	
30-025-22591	COTTON DRAW UNIT #071	O	E-34-245-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4850	
30-025-20120	COTTON DRAW UNIT #063	O	D-10-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4910	[49460] PADUCA, DELAWARE
30-025-41829	LIPPIZZAN 4 FEDERAL #001H	O	4-04-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10708	[96715] WC-025 G-06 S253206M, BONE SPRING
30-025-42591	PAINT 33 FEDERAL #002H	O	N-33-245-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10772	[97899] WC-025 G-06 S253206M, BONE SPRING
30-025-42633	PADUCA BREAKS 9 FEDERAL #001H	O	B-09-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	C	0	[96715] WC-025 G-06 S253206M, BONE SPRING
30-025-41996	COTTON DRAW UNIT #237H	O	M-10-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10643	[96715] WC-025 G-06 S253206M, BONE SPRING
30-025-42634	PADUCA BREAKS 9 FEDERAL #002H	O	A-09-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	C	0	[96715] WC-025 G-06 S253206M, BONE SPRING
30-025-22024	COTTON DRAW SWD #066	S	E-10-255-32E	161968	MESQUITE SWD, INC	A	15769	[96802] SWD, BELL CANYON-CHERRY CANYON
30-025-42717	BLUE QUAIL SWD FEDERAL #001	S	F-11-255-32E	161968	MESQUITE SWD, INC	A	6274	[96769] SWD, BELL CANYON
								[97784] WC-025 G-06 S253201M, UPPER BONE SPR; [97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-40896	GOLD COAST 26 FEDERAL #001H	O	P-26-245-32E	217955	COG PRODUCTION, LLC	A	10955	BONE SPRIN
30-025-44627	EIDER FEDERAL #202H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44630	EIDER FEDERAL #102H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44633	EIDER FEDERAL #106H	O	O-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-41813	EIDER FEDERAL #002H	O	O-35-245-32E	217955	COG PRODUCTION, LLC	A	10896	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-42291	GADWALL 35 FEDERAL #005H	O	P-35-245-32E	217955	COG PRODUCTION, LLC	A	10900	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-43744	DOS XX 27 FEDERAL COM #003H	O	P-27-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-27186	COTTON DRAW UNIT #074	O	N-34-245-32E	20077	SAHARA OPERATING CO	A	4967	[49490] PADUCA, DELAWARE, NORTH
30-025-37598	COTTON DRAW UNIT #102	O	G-10-255-32E	20077	SAHARA OPERATING CO	A	5000	[49460] PADUCA, DELAWARE
30-025-44628	EIDER FEDERAL #301H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-40364	GADWALL 35 FEDERAL #001H	O	A-35-245-32E	217955	COG PRODUCTION, LLC	A	9624	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44635	EIDER FEDERAL #203H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44638	EIDER FEDERAL #303H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-08169	COTTON DRAW UNIT #052	O	I-09-255-32E	20077	SAHARA OPERATING CO	A	4829	[49460] PADUCA, DELAWARE
30-025-22882	COTTON DRAW UNIT #073	O	1-04-255-32E	20077	SAHARA OPERATING CO	A	4870	[49490] PADUCA, DELAWARE, NORTH
30-025-44629	EIDER FEDERAL #101H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44632	EIDER FEDERAL #104H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44639	EIDER FEDERAL #304H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44636	EIDER FEDERAL #204H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44631	EIDER FEDERAL #103H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44634	EIDER FEDERAL #201H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-44637	EIDER FEDERAL #302H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-22738	COTTON DRAW UNIT #072	O	P-33-245-32E	20077	SAHARA OPERATING CO	A	4850	[49490] PADUCA, DELAWARE, NORTH
30-025-22439	COTTON DRAW UNIT #070	O	L-34-245-32E	20077	SAHARA OPERATING CO	A	4850	[49490] PADUCA, DELAWARE, NORTH
30-025-22294	COTTON DRAW UNIT #069	O	K-34-245-32E	20077	SAHARA OPERATING CO	A	4937	[49490] PADUCA, DELAWARE, NORTH
30-025-35206	RAY 9 FEDERAL #001	O	B-09-255-32E	20077	SAHARA OPERATING CO	P	4468	[96838] DRY AND ABANDONED
30-025-28654	EXXON A FEDERAL #004	O	N-27-245-32E	22223	TEMPO ENERGY INC	P	4862	[19090] DOUBLE X, DELAWARE
30-025-08174	COTTON DRAW UNIT #033	O	F-10-255-32E	17891	POGO PRODUCING CO	P	4791	[49460] PADUCA, DELAWARE
30-025-08176	COTTON DRAW UNIT #024	O	K-10-255-32E	17891	POGO PRODUCING CO	P	4787	[49460] PADUCA, DELAWARE
30-025-28202	EXXON A FEDERAL #002	S	K-27-245-32E	19381	ROBERT H FORRESTER JR OIL LLC	A	4977	[96100] SWD, DELAWARE
30-025-26360	WRIGHT FEDERAL #002	O	G-27-245-32E	18714	RALPH E WILLIAMSON	P	4885	[19090] DOUBLE X, DELAWARE
								[97784] WC-025 G-06 S253201M, UPPER BONE SPR; [97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-40408	UNDAUNTED BSD STATE COM #001H	O	O-02-255-32E	25575	EOG Y RESOURCES, INC.	A	10882	BONE SPRIN
30-025-40054	BASILISK BQS STATE COM #001H	O	N-36-245-32E	25575	EOG Y RESOURCES, INC.	A	9295	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-43118	UNDAUNTED BSD STATE COM #003C	O	P-02-255-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-42144	PYTHON BUZ STATE #002C	O	O-36-245-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN

Table 1  
NM Wells Within 2 Miles

API	wellname	well_type	ulstr	ogrid	ogrid_name	status	tot_depth	pool_id_li
30-025-39525	FARBER BOB FEDERAL #001H	O	M-01-255-32E	25575	EOG Y RESOURCES, INC.	A	13586	[96038] WILDCAT, GROUP 7; [97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-41988	BASILISK BQS STATE COM #003C	O	M-36-245-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-43453	UNDAUNTED BSD STATE COM #002H	O	N-02-255-32E	25575	EOG Y RESOURCES, INC.	N	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-42143	PYTHON BUZ STATE #001C	O	P-36-245-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-42284	BASILISK BQS STATE COM #002C	O	M-36-245-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-08180	PRE-ONGARD WELL #001	O	O-11-255-32E	214263	PRE-ONGARD WELL OPERATOR	P	4842	
30-025-08177	PRE-ONGARD WELL #002	O	E-10-255-32E	214263	PRE-ONGARD WELL OPERATOR	P	4850	[49460] PADUCA, DELAWARE
30-025-41570	GOLD COAST 26 FEDERAL SWD #001	S	K-26-245-32E	229137	COG OPERATING LLC	A	7200	[96802] SWD, BELL CANYON-CHERRY CANYON
30-025-37636	COTTON DRAW UNIT #104	O	B-15-255-32E	256999	POGO PRODUCING COMPANY LLC	C	0	
30-025-37635	COTTON DRAW UNIT #103	O	I-09-255-32E	256999	POGO PRODUCING COMPANY LLC	C	0	
30-025-37776	COTTON DRAW UNIT #109	O	F-10-255-32E	256999	POGO PRODUCING COMPANY LLC	C	0	
30-025-37657	COTTON DRAW UNIT #091	O	L-10-255-32E	256999	POGO PRODUCING COMPANY LLC	C	0	
30-025-28721	PRE-ONGARD WELL #001	O	N-33-245-32E	214263	PRE-ONGARD WELL OPERATOR	C	0	
30-025-29251	PRE-ONGARD WELL #003	O	O-26-245-32E	214263	PRE-ONGARD WELL OPERATOR	C	0	
30-025-21801	PRE-ONGARD WELL #001	O	M-25-245-32E	214263	PRE-ONGARD WELL OPERATOR	P	5038	
30-025-08165	PRE-ONGARD WELL #001	O	M-35-245-32E	214263	PRE-ONGARD WELL OPERATOR	P	4979	
30-025-28935	PRE-ONGARD WELL #002	O	J-26-245-32E	214263	PRE-ONGARD WELL OPERATOR	P	5100	
30-025-29212	PRE-ONGARD WELL #004	O	C-35-245-32E	214263	PRE-ONGARD WELL OPERATOR	P	5100	
30-025-42301	FUGGLES 11 FEDERAL COM #002H	O	N-11-255-32E	215099	CIMAREX ENERGY CO.	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-42300	FUGGLES 11 FEDERAL COM #001H	O	M-11-255-32E	215099	CIMAREX ENERGY CO.	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR

**C- 108 Item X**  
**Logs and Available Test Data**

**Colt 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**

### **Colt 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 3,468 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**

**Colt 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	api	field	formation	depth	samplesour	sampledate	ph	tds_mgl	resistivity_of	sodium_mgl	calcium_mgl	iron_mgl	barium_mgl	magnesium_mgl	manganese_chloride_mgl	bicarbonate_sulfate_mgl	co2_mgl		
TRIONYX 6 FEDERAL #001H	3002539948		AVALON LOWER			1/15/15 0:00		6.2	122	0	0	0		0	0	122	0	200	
TRIONYX 6 FEDERAL #004H	3002540044		DELAWARE-BRUSHY CANYON			1/15/15 0:00		6.3	239818.3	74875.7	14394.1	58.6		2437.4	2.53	145508.4	122	0	300
TRIONYX 6 FEDERAL #003Y	3002540105		AVALON LOWER			1/15/15 0:00		6.5	144738.6	53757.9	718.2	44.8		135.8	0	86689.6	1098	0	400
LIPPIZZAN 4 FEDERAL #001H	3002541829		BONE SPRING 2ND SAND			1/27/15 0:00		6.3	140235.4	42818.4	6441.7	40.5		785.3	0	87998.1	244	0	200
TRIONYX 6 FEDERAL #011H	3002542312		DELAWARE-BRUSHY CANYON			10/7/15 0:00		6.5	239860	74029.5	13590.6	48.6		2237.5		147359.6		639.6	300
JENNINGS 5 FEDERAL #001	3002508242					10/8/15 0:00		6.1	226822	57077.4	20081.9	19.4		2953.6		144325.8		528.7	300
TRIONYX 6 FEDERAL #008H	3002540048		BONE SPRING 2ND SAND			12/18/12 0:00		7.65	179697.7	56825.9	9232	23		1459	2	108593	48.8	1692	230
TRIONYX 6 FEDERAL #001H	3002539948		AVALON LOWER			2/1/13 0:00		7.4	165243.8	62859.4	567	17		107	0.2	97097	2281.4	1177	40
TRIONYX 6 FEDERAL #002H	3002539949		AVALON MIDDLE			2/1/13 0:00		7.2	191604.1	65433.6	6298	128		1120	2	114866	793	1710	50
TRIONYX 6 FEDERAL #003Y	3002540105		AVALON LOWER			2/1/13 0:00		7.1	164202.4	62428.1	501	25		96	0.5	96323	2305.8	1264	30
TRIONYX 6 FEDERAL #008H	3002540048		BONE SPRING 2ND SAND			1/23/14 0:00		6.8	132327	40473	6252	23		836	1	82438	244	0	200
TRIONYX 6 FEDERAL #002H	3002539949		AVALON MIDDLE			1/27/14 0:00		6.3	197184.5	62422	6809	218		1344	3.5	123168	549	0	500
TRIONYX 6 FEDERAL #005H	3002540045		BONE SPRING 2ND SAND			1/29/14 0:00		6.7	139871.5	40364	6643	41		750	1.5	89675	183	0	200
TRIONYX 6 FEDERAL #006H	3002540046		DELAWARE-BRUSHY CANYON			1/29/14 0:00		6.2	225114.5	60110	12606	50		1970	3	147814	122	0	250
LIPPIZZAN 4 FEDERAL #001H	3002541829		BONE SPRING 2ND SAND			11/11/14 0:00		6.5	139733.4	42191.3	7002.9	78.4		913.2	1.66	87280.6	244	0	150
TRIONYX 6 FEDERAL #007H	3002540047		DELAWARE-BRUSHY CANYON			3/20/15 0:00		6.7	252093.3	0.04616	78472.1	17591.8	34.8	2984	2.98	150156.7	148.8	0	300
TRIONYX 6 FEDERAL #007H	3002540047		DELAWARE-BRUSHY CANYON			4/7/15 0:00		6.7	248632	0.04819	71715	15831.6	43.8	2760.6	2.61	155536.8	122	0	400
LIPPIZZAN 4 FEDERAL #001H	3002541829		BONE SPRING 2ND SAND			4/7/15 0:00		7.2	141809.9	0.06181	43932.5	6382.4	63.2	789.5	1.2	88463.4	244	0	100
COTTON DRAW UNIT #237H	3002541996		BONE SPRING 2ND SAND			4/7/15 0:00		6.5	207154.8	0.05017	68477	4041.6	41.3	1744.6	1.53	126763.4	122	0	200
TRIONYX 6 FEDERAL #009H	3002542475		BONE SPRING 2ND SAND			8/31/15 0:00		6.2	162064.6	0.06346	49783.6	7951.8	36.1	987.1		100900.9		949.5	100
TRIONYX 6 FEDERAL #010H	3002542476		BONE SPRING 2ND SAND			8/31/15 0:00		6.58	151458.9	0.06586	46370.7	7184.6	35.5	876		94430.6		1111.8	200
COTTON DRAW UNIT #049	3002508166				UNKNOWN				247372							153000	102	760	
COTTON DRAW UNIT #024	3002508176	PADUCA	DELAWARE		SWAB				246555							152600	112	939	
COTTON DRAW UNIT #001	3002508182	PADUCA	DELAWARE		DST				308600										
COTTON DRAW UNIT #001	3002508182	PADUCA	DELAWARE		DST				309990										
MONSANTO STATE #001	3002508196	PADUCA	DELAWARE		UNKNOWN				224016							138600	139	462	
COTTON DRAW UNIT #004	3002508221	PADUCA	DELAWARE		UNKNOWN				276839							170500	198	552	
G E JORDAN NCT-1 #021	3002508226	PADUCA	DELAWARE		SWAB				239464							147800	64	908	
TRIONYX 6 FEDERAL #001H	3002539948		AVALON LOWER			12/8/11 0:00		7	144951	54645.4	665	22		113	0.3	84541	2708.4	1047	60
TRIONYX 6 FEDERAL #002H	3002539949		AVALON MIDDLE			12/8/11 0:00		7	145592.5	55404.5	440	25		71	0.3	84840	2806	1092	60
TRIONYX 6 FEDERAL #003Y	3002540105		AVALON LOWER			12/8/11 0:00		7	145530.9	55235.9	493	27		80	0.5	84856	2720.6	1090	60

## **C- 108 Item VIII Geologic Information**

### **Colt 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 17,343 -18,818' BGL (Below Ground Level) the well will TD at approximately 18,818'. Mud logging through the interval will ensure the target interval remains in Devonian, Fusselman and Montoya. Once Devonian is determined, the casing shoe depth will be set at an approximate maximum upper depth of 17,343 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.

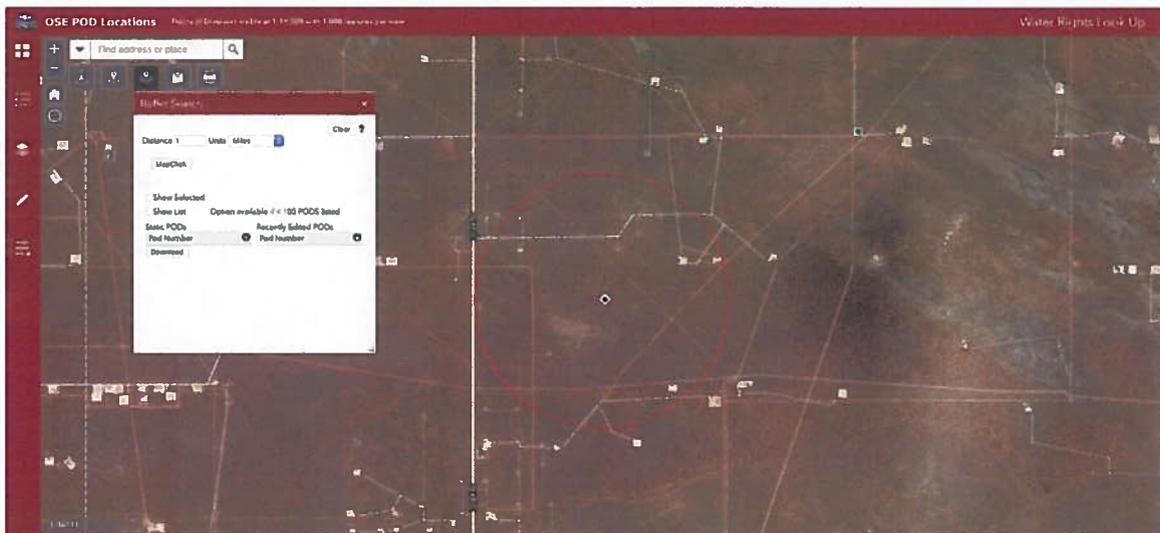
The Devonian is overlain by the Mississippian LM, Barnett and by the Morrow Clastics, Morrow LM, and Atoka.

Fresh water in the area is generally available from the Rustler formation and some alluvial deposits. State Engineer's records show 12 water wells in a 5 mile radius with a depth to groundwater of 150 -500 feet.

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

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

### Colt 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 150 ft.

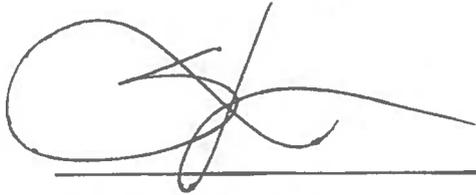
There are no water wells located within one mile of the proposed SWD.

**C- 108 Item XII  
Geologic Affirmation**

**Colt 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.

A handwritten signature in black ink, appearing to read 'S. Martinez', is written over a horizontal line. The signature is stylized with a large loop on the left and a long horizontal stroke extending to the right.

**Stephen Martinez**  
Sr. Vice President of Drilling

**Project:** Solaris Water Midstream, LLC  
Colt State SWD #1

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

**Colt State SWD #1**



Table Za  
BLM Leases Within 2 Miles

SerialNumb	Name1	PerInt1	Name2	PerInt2	Name3	PerInt3	Name4	PerInt4
NMLC 0061936A	CHEVRON USA INC	50	DEVON ENERGY PROD CO L	50		0		0
NMLC 0061873B	CHEVRON USA INC	0	DEVON ENERGY PROD CO L	0	LEGACY RESERVES OPERAT	0		0
NMNM 015317	EOG Y RESOURCES INC	100		0		0		0
NMNM 0054031	CHEVRON USA INC	0	DEVON ENERGY PROD CO L	0		0		0
NMLC 0061863A	CHEVRON USA INC	50	DEVON ENERGY PROD CO L	50		0		0
NMNM 016353	EXXONMOBIL OIL CORP	100		0		0		0
NMLC 0062300	3-M ENERGY CO	0	CHEVRON USA INC	0	DEVON ENERGY	0	PROVIDENCE MINERALS L	0
NMLC 0071986	MAGNUM HUNTER PRODUCTION INC	100		0		0		0
NMLC 0061936	CHEVRON USA INC	0	DEVON ENERGY	0		0		0
NMNM 015912	MOBIL PROD TX & NM	100		0		0		0
NMNM 113964	DEVON ENERGY PROD CO LP	100		0		0		0
NMNM 110835	OXY Y-1 COMPANY	33.34	EOG A RESOURCES INC	33.33	EOG M RESOURCES INC	33.33		0
NMNM 122619	EOG Y RESOURCES INC	40	EOG A RESOURCES INC	20	EOG M RESOURCES INC	20	OXY Y-1 COMPANY	20
NMNM 127895	CIMAREX ENERGY CO OF COLORADO	100		0		0		0
NMNM 120907	COG PRODUCTION LLC	100		0		0		0

6/18/2019

Table 2b  
SLO Leases Within 2 Miles

Solaris Water Midstream  
Colt State SWD #1

UNIQUEKEY	LSE_PREFIX	LSE_NUMBER	LSE_SUFFIX	OGRID	OGRID_NAM
V077110002	V0	7711	2	264073	OXY USA INC.
VB11850001	VB	1185	1	25575	EOG Y RESOURCES, INC.
VB11860001	VB	1186	1	25575	EOG Y RESOURCES, INC.
VB11920001	VB	1192	1	25575	EOG Y RESOURCES, INC.
VB11940001	VB	1194	1	25575	EOG Y RESOURCES, INC.



6/18/2019

Table 3  
Surface Owners Within 2 Miles

Solaris Water Midstream  
Colt State SWD #1

**OWNER NAME**

BASIN PROPERTIES RANCHES, LLC  
BUREAU OF LAND MANAGEMENT  
STATE OF NEW MEXICO



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June 25th , 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 Colt 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 2, Township 25 South, Range 32 East in Lea County, New Mexico.

The published notice states that the interval will be from 17,078 feet to 18,253 feet into the Devonian, Fusselman and Montoya Formations.

Following is the notice to be published in the Hobbs News Sun, Hobbs, New Mexico on or about June 28th, 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 Colt State SWD No. 1 will be located 1440 feet from the North line and 300 feet from the West line, Section 2, Township 25 South, Range 32 East, Lea County, New Mexico. Produced water from area production will be commercially disposed into the Devonian, Fusselman and Montoya Formations at a depth of 17,343 feet to 18,818 feet at a maximum surface pressure of 3,468 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 25 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 the applicant's agent, Gavilan Solutions, LLC, 505-360-9819 or email: [awhite@gavilansolutions.com](mailto: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/plplzspysue0lb/AADvIVxDTAyoG-3ar2QtWQda?dl=0>

You may also receive a copy by emailing [awhite@gavilansolutions.com](mailto:awhite@gavilansolutions.com) with your request Please use a subject like  
Colt State SWD #1 request.

Thank you for your attention to this matter.

A handwritten signature in black ink, appearing to read "Whitney B. McKee". The signature is fluid and cursive, with the first name "Whitney" and last name "McKee" clearly distinguishable.

Whitney McKee

Solaris Water Midstream, LLC  
Regulatory Specialist

**C- 108 Item XIV  
Proof of Notice  
Certified Mail Receipts**

**Colt State SWD #1**

**A copy of the receipts will be sent on to OCD when they have been received.**

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

**Colt State SWD #1**

Below is the "Proof Copy" sent from the Hobbs News Sun. The affidavit go publication will be forwarded as soon as it is received.

## Order Confirmation

**Ad Order Number**  
0001289832

**Customer**  
GAVILAN SOLUTIONS, LLC

**Customer Account**  
176910

**PO Number**  
Legal Notice

**Sales Rep.**  
VStephens

**Customer Address**  
PO BOX 44212  
RIO RANCHO NM 87174 USA

**Customer Phone**  
505-360-9819

**Ordered By**  
Ashley White

**Order Taker**  
VStephens

**Customer Fax**

**Customer EMail**

**Order Source**

**Payor Customer**  
GAVILAN SOLUTIONS, LLC

**Payor Account**  
176910

**Special Pricing**  
None

**Tear Sheets**  
0

**Proofs**  
0

**Affidavits**  
1

**Blind Box**

**Promo Type**

**Materials**

**Invoice Text**

**Ad Order Notes**

**Net Amount**  
\$67.44

**Tax Amount**  
\$5.16

**Total Amount**  
\$72.60

**Payment Method**

**Payment Amount**  
\$0.00

**Amount Due**  
\$72.60

**Ad Number**

**Ad Type**

**Ad Size**

**Color**

**Production Method**

**Production Notes**

0001289832-01 CLS Legal liner : 2.0 X 38 Li

<NONE>

AdBooker

**External Ad Number**

**Ad Attributes**

**Ad Released**  
No

**Pick Up**

**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 saltwater disposal well. The proposed well, the Lark State SWD No. 1 will be located 2085 feet from the South line and 341 feet from the East line, Section 28, Township 26 South, Range 31 East, Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Devonian, Fusselman and Montoya Formations at a depth of 17,078 feet to 18,253 feet at a maximum surface pressure of 3,212 psi and an average injection rate of 40,000 barrels per day. 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.  
Published: June 27, 2019