

District I
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District II
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Phone: (575) 748-1283 Fax: (575) 748-9720

District III
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Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
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State of New Mexico

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBS OCD

XX AMENDED REPORT

SEP 25 2018

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Solaris Water Midstream, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706		² OGRID Number 371643
		³ API Number 30-025-44273
⁴ Property Code 320473	⁵ Property Name Zeus SWD	⁶ Well No. 1

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	35	21S	32E		199	South	335	East	Lea

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	35	21S	32E		199	South	335	East	Lea

⁹ Pool Information

Pool Name SWD; Devonian-Silurian	Pool Code 97869
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Additional Well Information

¹¹ Work Type N	¹² Well Type SWD	¹³ Cable/Rotary R	¹⁴ Lease Type P	¹⁵ Ground Level Elevation 3659.1'
¹⁶ Multiple No	¹⁷ Proposed Depth 17,500'	¹⁸ Formation Fusselman	¹⁹ Contractor TBD	²⁰ Spud Date Upon APD Approval
Depth to Ground water 350'		Distance from nearest fresh water well <1 mile		Distance to nearest surface water N/A

X We will be using a closed-loop system in lieu of lined pits

²¹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26.5"	20"	94#/ft	1150'	1700	Surf
Int	17.5"	13.375"	68#/ft	4850'	1550	Surf
Prod	12.25"	9.875"	62.8#/ft	12,600	2300	Surf
Liner	8.5	7.625"	39#/ft	12,300' - 15,900'	450	TOL

Casing/Cement Program: Additional Comments

OH 15,900' - 17,500'

²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/Blinds, Pipe	10000 (10M)	10000	Shaffer or Equivalent

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.
Signature: *Bonnie Atwater*

Printed name: Bonnie Atwater

Title: Regulatory Tech

E-mail Address: bonnie.atwater@solarismidstream.com

Date: 9/29/18

Phone: 432-203-9020

OIL CONSERVATION DIVISION

Approved By:

Title:

Petroleum Engineer

Approved Date: 10/10/18

Expiration Date: 12/11/19

Conditions of Approval Attached

SOLARIS MIDSTREAM

Zeus SWD #1 WELLBORE DATA SHEET

FIELD: SWD
WELL: Zeus SWD #1
LOCATION: Section 35, T21S - R32E, UL P, Lea Co, NM
API: 30-025-44273
OBJECTIVE: DEVONIAN SWD

TOTAL DEPTH: 17,500 ft
SURF. LOC'N: 199' FSL & 335' FEL
BTM. HOLE LOC'N: Same As Above
SURFACE ELEV.: 3,659 ft

MUD LOGGING E LOGGING/ DIRECTIONAL	CASING SIZE (IN.)	RKB DRILL DEPTH MD TVD	BOPE	FORMATION	HOLE SIZE (IN.)	MUD WT.	FRAC GRAD	
Grnd Level	RKB	25 ft						0
	GL ELEV.	3,659 ft						
30"		120 ft / 120 ft	Open	Set and grouted		8.8		
				B/Fresh Water	26"	8.4		
20", 94# K-55, STC		1,150 ft	21 1/4" -5M Annular/Diverter	T/Rustler		8.4		
			1700 sx Circulated to surface			9.5		
Mud Logging to begin @1,150'					17.5"	9.5 to 10.0		5 1/2" Length: IPC 12,200 ft
		4,848 ft		Delaware Ls				
13 3/8", 68#, HCL-80, BTC		4,850 ft / 4,850 ft	13-5/8"-5M Annular			10.0		
			13-5/8"-10M BOP's			9.4		
			1,550 sx Circulated to surface					
DV Tool at +/- 5,800' in 9 7/8" string, in open hole, ECP below		5,758 ft		Cherry Canyon				
		9,523 ft		Bone Spring	12 1/4"	9.4 to 10.0		
		11,839 ft		Wolfcamp				
TOL		12,300 ft / 12,300 ft						
9 7/8", 62.80#, HCQ-125, LTC		12,600 ft / 12,600 ft	13-5/8"-5M Annular			10.0		
			13-5/8"-10M BOP's			11.0		
			2300 sx circulated to surface in 2 stages (DV @ 5800')	Strawn				
		13,177 ft		Atoka				
		13,637 ft						
		13,987 ft		Morrow Ls	8 1/2"	11.0 to 14.6		
		14,797 ft		Mississippian				
		15,748 ft		Woodford				
		15,900 ft		Devonian				
		16,739 ft		Fusselman				
7 5/8", 39#, P-110, EZGO FJ3		15,900 ft / 15,900 ft	13-5/8"-5M Annular			14.6		
			13-5/8"-10M BOP's					
			450 sx					
Run #1					6 1/2"	9.0		
GR/NEUTRON 17,500 ft - 0 USIT/CBL 15,900 - 0								
Dual 0" TD		17,500 ft / 17,500 ft	13-5/8"-5M Annular	TD at Ordovician				
			13-5/8"-10M BOP's					
								5" Length: IPC 3,650 ft
								Tbg packer 15,850 ft

Liner Length
3,600