

**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 Road, 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

Form C-101  
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

**HOBBS OCD**

XX AMENDED REPORT

1220 South St. Francis Dr. SEP 25 2018

Santa Fe, NM 87505

**RECEIVED**

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

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

**7. Surface Location**

UL - Lot P	Section 35	Township 21S	Range 32E	Lot Idn	Feet from 199	N/S Line South	Feet From 335	E/W Line East	County Lea
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**8. Proposed Bottom Hole Location**

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

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

<sup>11</sup> Work Type N	<sup>12</sup> Well Type SWD	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type P	<sup>15</sup> Ground Level Elevation 3659.1'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 17,500'	<sup>18</sup> Formation Fusselman	<sup>19</sup> Contractor TBD	<sup>20</sup> 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

<sup>23</sup> 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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Bonnie Atwater</i> 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: <i>[Signature]</i>	
	Title: <b>Petroleum Engineer</b>	
	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
Gmd Level	RKB	25 ft					0
GL ELEV.		3,659 ft					
30"		120 ft / 120 ft	Open	Set and grouted		8.8	
20", 94# K-55, STC		1,150 ft	21 1/4" -5M Annular/Diverter	B/Fresh Water	26"	8.4	
			1700 sx Circulated to surface	T/Rustler		8.4	
Mud Logging to begin @1,150'		4,848 ft			17.5"	9.5 to 10.0	5 1/2" IPC Length: 12,200 ft
13 3/8", 68#, HCL-80, BTC		4,850 ft / 4,850 ft	13-5/8"-5M Annular	Delaware Ls		10.0	
			13-5/8"-10M BOP's			9.4	
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	
Liner Length 3,600		13,177 ft	2300 sx circulated to surface in 2 stages (DV @ 5800')	Strawn			
		13,637 ft		Atoka			
		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				
Run #1			450 sx				
GR/NEUTRON 17,500 ft - 0 USIT/CBL 15,900 - 0					6 1/2"	9.0	
Dual 0" TD		17,500 ft / 17,500 ft	13-5/8"-5M Annular	TD at Ordovician			
			13-5/8"-10M BOP's				

Tbg packer 15,850 ft