

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
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD

NOV 05 2018

RECEIVED

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

MIN \$
SURF \$

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
⁴ Property Code 722859		³ API Number 70-025-45346 Well No. 1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	16	25S	35E		370	North	1317	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

9. Pool Information

Pool Name	Pool Code
SWD; Devonian - SILURIAN	97869

Additional Well Information

¹¹ Work Type N	¹² Well Type S	¹³ Cable/Rotary R	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3236'
¹⁶ Multiple N	¹⁷ Proposed Depth 19,910	¹⁸ Formation Fusselman	¹⁹ Contractor TBD	²⁰ Spud Date Upon Approval
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

XX 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"	20"	94#	866'	2021	Surf
1 st Int	17.5"	13.375"	72#	6359'	3956	Surf
Prop 2 nd Int	12.25"	9.625"	47#	13,531'	2384	Surf
Liner	8.5"	7.625"	39#	13,331' - 18,109'	198	TOL

Casing/Cement Program: Additional Comments

6.5" OH: 18,109' - 19,910

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/Blinds, Pipe	10,000 (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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> if applicable. Signature: <i>Bonnie Atwater</i>		OIL CONSERVATION DIVISION	
Printed name: Bonnie Atwater		Approved By: <i>[Signature]</i>	
Title: Regulatory Tech		Title:	
E-mail Address: bonnie.atwater@solarismidstream.com		Approved Date: 01/09/18 Expiration Date: 11/09/20	
Date: 10/31/2018 Phone: 432-203-9020		See Attached Conditions of Approval Attached	

Conditions of Approval

SOLARIS MIDSTREAM
Screetch State SWD #1
WELLBORE DATA SHEET

FIELD: SWD
WELL: Screetch State SWD #1
LOC: 3170' FN, and 1,317' FEL
Lss. Co. NM
OBJECTIVE: Devonian/Fuselman SWD

TOTAL DEPTH:
SURF. LOC'N:
BTM. HOLE LOC'N:
SURFACE ELEV.:

19,910
Section 16, T25S, R35E
Same As Above
3236.0

LOGGING FUNCTIONAL	CASING SIZE (IN.)	RKB DEPTH	MD	TVD	BOPE	FORMATION	HOLE SIZE (IN.)	MUD WT.	FRAC GRAD
Grnd Level		30							
	GL ELEV.	3,236				Set and grouted			
	30"		120'	120'		Open		8.8	
	64 lb/r H-40		868	868			26"	8.4	
	20"					Rustler		8.4	
			3,645			21-14"-5M Annular/Diverter		9.5	
			5,263			Castle			
			5,314			Lamar			
						Ball Canyon		9.4	
							17.5"	to 10	
Mud Logging to begin @2800'						Cherry Canyon			
	72 lb/r HCL-80 BTC		6,359	6,359		15-5/8"-5M Annular		10.0	
	13.378"					13-5/8"-10M BOP's		9.4	FT
			7,697			Brushy Canyon			
			9,036			Bone Spring Ls			
			10,148			First BS Line			
			10,284			First BS Sand			
			10,594			2nd BS line			
			10,632			2nd BS Sand			
			11,764			Third BS Line			
			11,982			Third BS Sand		9.4	
			12,295			Wolfcamp upper	12.25"	to	
			12,649			Wolfcamp lower		10.0	
			13,331	13,331		15-5/8"-5M Annular		10.0	
	47 lb/r HCP 110		19,831	19,831		13-5/8"-10M BOP's		12.5	16.6
			13,551			Strawn			
			14,232			Aboka			
			15,277			Morrow			
			17,338			Miscellaneous	8.5"	12.5	to 13.5
						Woodford Shale			
			17,891			Devonian			
			18,109	18,109		13-5/8"-5M Annular			
	30 lb/r P-110					13-5/8"-10M BOP's			
			19,338			Fuselman	6.5"	9.0	
Run #1						15-5/8"-5M Annular			
UTRON	19,910	-	0			13-5/8"-10M BOP's			
SIT/CBL	18,109	-	0			TD at Base of Fuselman			
	Dust		0"						
			TD	19,910	19,910				

CONDITIONS OF APPROVAL

API #	Operator	Well name & Number
30-025-45346	SOLARIS WATER MIDSTREAM	Screech State SWD # 001

Applicable conditions of approval marked with XXXXXX

Administrative Orders Required

XXXXXXX	Review administrative order when approved for additional conditions of approval

Other wells

Casing

XXXXXXX	SURFACE, INTERMEDIATE(1) & PRODUCTION CASING - Cement must circulate to surface -- Liner(1) Cement come to top of liner
XXXXXXX	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water

Lost Circulation

XXXXXXX	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186

Water flows

XXXXXXX	Must notify OCD Hobbs Office of any water flow in the Salado formation at 575-370-3186. Report depth and flow rate.

Stage Tool

XXXXXXX	Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186
XXXXXXX	If using Stage Tool on Surface casing, Stage Tool must be greater than 350' and a minimum 200 feet above surface shoe.
XXXXXXX	When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

Completion & Production

XXXXXXX	Will require a deviational survey with the C-105
XXXXXXX	Must notify Hobbs OCD office prior to conducting MIT (575) 393-6161 ext. 114
XXXXXXX	May not inject prior to SWD order approval
XXXXXXX	Must conduct & pass MIT prior to any injection