

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-44422
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Solaris Water Midstream, LLC		6. State Oil & Gas Lease No.
3. Address of Operator 907 Tradewinds Blvd, Suite B, Midland, TX 79706		7. Lease Name or Unit Agreement Name Trove Energy SWD
4. Well Location Unit Letter <u>N</u> : <u>944</u> feet from the <u>South</u> line and <u>2508.2</u> feet from the <u>West</u> line Section <u>13</u> Township <u>24S</u> Range <u>28E</u> NMPM <u>Eddy</u> County		8. Well Number <u>1</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2966' GR		9. OGRID Number 371643
		10. Pool name or Wildcat SWD; Devonian

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: Amend Surface & 2 nd Intermediate Csg		OTHER:	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Solaris is requesting to amend the Surface & 2nd Intermediate Csg on the APD for Property 319560 as follows:

Surface Csg:

16", 84#, J55 BTC Csg.

Set @ 550'

Hole size 18-1/8"

2nd Intermediate Csg:

9-5/8", 53.50#, HCP-110, BTC Csg

Set @ 9900'

Hole size 12.25"

WBD and justification attached.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bonnie Atwater TITLE Regulatory Tech DATE 12/28/18

Type or print name Bonnie Atwater E-mail address: bonnie.atwater@solarismidstream.com PHONE: 432-203-9020 ext 9046

For State Use Only

APPROVED BY: Raymond W. Delany TITLE Geologist DATE 12/28/18
Conditions of Approval (if any):



December 28, 2018

NMOCD
811 S. First St
Artesia, NM 88210

Re: Amend Surface & 2nd Intermediate Casing
Trove Energy SWD #1 30-015-44422

Solaris respectfully requests to amend the APD for both the surface casing size and 2nd Intermediate casing setting depths as shown below.

We wish to reduce the surface hole size from 26" to 18-1/8" saving us significant rig time while posing no additional risk while drilling. In order to accommodate the reduced hole size, we request to run 16', 84#, J-55, BTC casing in lieu of the permitted 20 casing. Cement slurries and coverages will remain the same, but volumes will be adjusted proportionally for the change of hole and casing size. Surface casing set depth will remain unchanged at 550'.

We wish to deepen the 2nd Intermediate 9-5/8", 53.50#, HCP-110, BTC casing string setting depth from 9,600' to 9,900'. After further offset research and geological interpretation, we believe there to be a competent layer of shale and limestone approximately 150' beneath the top of the Wolfcamp. We believe the top of the Wolfcamp is somewhat weak when compared to the remainder of this interval so putting it behind casing will improve wellbore stability and improve kick tolerance while drilling the Atoka and Morrow intervals. Cement slurries and coverages will remain the same, but volumes will be adjusted proportionally for the change of hole depth.

If any further information is needed, I can be contacted at 432-203-9020 or chris.giese@solarismidstream.com. You may also contact Bonnie Atwater at 432-203-9020 ext 9046 or bonnie.atwater@solarismidstream.com.

Thank you.

Sincerely,

Chris Giese
Drilling Engineer

CG/ba

907 Tradewinds Blvd, Suite B, Midland, TX 79706
432.203.9020

SOLARIS WATER MIDSTREAM, LLC
Trove Energy SWD #1
WELLBORE DATA SHEET AS OF 12/27/2018



FIELD: SWD; Devonian
WELL: Trove Energy SWD #1
LOCATION: Sec 13, T24S, R28E, N
Eddy Co, NM
OBJECTIVE: Devonian Dolomite

TOTAL DEPTH: 15,200
SURF. LOC'N: 944' FSL, 2508' FWL
BTM. HOLE LOC'N: 944' FSL, 2508' FWL
SURFACE ELEV.: 2966' GL
DRAWN BY: Docherty/Gelise

MUD LOGGING E LOGGING/ DIRECTIONAL	CASING SIZE (IN.)	RKB DRILL DEPTH		BOPE	FORMATION	HOLE SIZE (IN.)	MUD WT.	FRAC GRAD
		MD	TVD					
Grnd Level	RKB	32'						
GL ELEV.		2966' GL						
20"		120' / 120'		None	Set and grouted			
							8.4	
							Spud mud 8.4# - 9.7#	
						18-1/8"		
18" 84 ppf N80 BTC		550' / 550'		21-1/4" 3M Diverter	Rustler Anhydrite base		9.7	
							10.0	
							17.5"	
9 5/8" DV/ ECP at +/- 2,500'								
13 3/8" 68# HCN80 FLUSH JOINT		2,750' / 2,750'		13-5/8" 5M Annular 13-5/8"-10M BOP's	Base of Capitan Reef		9.6	
					Massive Delaware Sands		9.0	
					Brushy Canyon			
					Bone Spring LS	12 1/4"		
					Wolfcamp			
					Wolfcamp Limestone			
Versa Flex TOL 9,300'								
9 5/8" 53.5# P110 BTC		9,900' / 9,900'		13-5/8" 5M Annular 13-5/8"-10M BOP's	Strom LS		9.2	
					Aloka Sand		10.0	14.5 ppge FIT
					Morrow LS		10.6	
					Middle Morrow Sand			
					Lower Morrow Sands	8 1/2"		
					Mississippian Lime			
					Woodford Shale			
7 5/8" 39# HCQ126 Flush		14,100' / 14,100'		13-5/8" 5M Annular 13-5/8"-10M BOP's	Devonian		10.6	
Run #1					Fusselman	6-1/2"	FW	
GR/NEUTRON 15,200 - 0 USIT/CBL 14,100' - 0								
Dual		TD 15,200' / 15,200'		13-5/8" 5M Annular 13-5/8"-10M BOP's	TD at Base of Fusselman			