Submit I Copy To Appropriate District	State of New Mexico		Form C-103
Office	Energy, Minerals and Natural Resources		Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240			WELL API NO.
<u>District II</u> - (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION		30-015-44511 5. Indicate Type of Lease
District III - (505) 334-6178	1220 South St. Francis Dr.		STATE FEE X
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> - (505) 476-3460	Santa Fe, NM 87505		6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM	·		07 State State State 25 1150 1161
87505 SUNDRY NOTICES AND REPORTS ON WELLS			7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A			7. Lease Name of Onit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) Intrepid SWD			
PROPOSALS.) 1. Type of Well: Oil Well Gas Well Other SWIARTESIA DISTRICT Intrepid SWD Intrepid SWD Other SWIARTESIA DISTRICT			
2. Name of Operator	Cus 🗀 Cuit. C. AA	TESIA DISTRICT	9. OGRID Number
Solaris Water Midstream, LLC	DEC 2.8 2018		371643
3. Address of Operator		20 20 2010	10. Pool name or Wildcat
907 Tradewinds Blvd, Suite B, Mic	lland, TX 79706	RECEIVED	SWD; Devonian-Silurian
4. Well Location			
Unit LetterP:1	030feet from theSouth	$_{}$ line and $_{910}$	
Section 12	Township 23S	Range 28E	NMPM Eddy County
	11. Elevation (Show whether D	R, RKB, RT, GR, etc.,	
	2997.7' GR		
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WOR			
TEMPORARILY ABANDON	CHANGE PLANS COMMENCE DRIL		
PULL OR ALTER CASING			
DOWNHOLE COMMINGLE			
CLOSED-LOOP SYSTEM			
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.			
proposed completion of rec	ompietion.		
Solaris is requesting to amend the So	urface & 2 nd Intermediate Csg on	the APD for Property	319796 as follows:
Surface Csg:			
16", 84#,J55 BTC Csg.			
Set @ 550' Hole size 18-1/8"			
FIGIC SIZE 10-1/6			
2 nd Intermediate Csg:			
9-5/8", 53.50#, HCP-110, BTC Csg			
Set @ 9900'			
Hole size 12.25"			
WBD and justification attached.			
<u> </u>	<u>-</u> -	1	
Spud Date:	Rig Release	Date:	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.			
R. At at more a second			
SIGNATURE 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: Aymend H. Salamy TITLE Cores by DATE 12/28/18 Conditions of Approval (Wany):			



December 28, 2018

NMOCD 811 S. First St Artesia, NM 88210

Re: Amend Surface & 2nd Intermediate Casing Intrepid SWD #1 30-015-44511

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

SOLARIS WATER MIDSTREAM, LLC

Intreptd SWD #1 WELLBORE DATA SHEET AS OF 12/27/2018

TOTAL DEPTH:

15,900



FIELO: WELL: SWD; Devonian-Siturian Intrepld SWD #1 1030 FSL 910 FEL 1030 FSL 910 FEL SURF. LOC'N: BTM. HOLE LOC'N: LOCATION: Sec 12, T23S, R28E, P Eddy Co, NM SURFACE ELEV.: 2997.7' GR OBJECTIVE: Devenian Dolomite DRAWN BY: Docherty/Gleso MUD LOGGEIG AKO DAILL CASING HOLE E LOGGINO/ DIRECTIONAL SEZE DEPTH BOPE FORMATION 8IZE MO TVO (N) Gmd Level-GL ELEV. 2997.7 GR Set and grouted 120' / 120' Spud mud 8,48 - 9,78 18-1/8 16" 84 ppf N80 BTC 650' / 650' 21-1/4" 3M Diverte Rustler Anhydrite base 17.5* 9 5/8" DV/ ECP at +/- 2,600" 13 3/8" 68# HCN80 FLUSH JOINT 13-5/8"-5M Annutar 13-5/8"-10M BOP's 2,700' / 2,700' Base of Capitan Reef Massive Delaware Sands **Brushy Canyon** Bone Spring LS 12 1/4" Wolfcamp Wolfcamp Umestone Versa Flex TOL 9,300 9 5/8" 53.5# P110 BTC 8,900 / 9,900 14.6 ppge FIT Stream LS Atoka Sand Morrow LS 10.5 Middle Morrow Sand Lower Morrow Sands 6 1/2* Mississiolan Lime Woodford Shale 7 5/8" 398 HCQ125 Flush 14,100" / 14,100" 10.5 13-5/8*-5M Annutar 13-5/8*-10M BOP's Devonlan Fusselman 6-1/2 FW Run#1 GR/NEUTRON 15,900' - 0 USIT/CBL 14,100' - 0 TD at Base of Fusselman Dual 15,900" / 15,900" 13-5/8*-5M Annular 13-5/8*-10M BOP's