

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

Form C-103
Revised July 18, 2013

RECEIVED		WELL API NO. 30-015-44001
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.)		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other SWD		6. State Oil & Gas Lease No.
2. Name of Operator Solaris Water Midstream, LLC		7. Lease Name or Unit Agreement Name Solaris Eddy State SWD
3. Address of Operator 701 Tradewinds Blvd., Suite C, Midland, TX 79706		8. Well Number 002
4. Well Location Unit Letter K : 2267 feet from the South line and 2469 feet from the West line Section 2 Township 26-S Range 29-E NMPM County Eddy		9. OGRID Number 371643
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3022' G.L.		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 checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input checked="" 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: Perf Liner <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

WELL IS CURRENTLY BEING WORKED OVER... Called OCD Dist.2 Emergency Number to Notify 7:50 am 4/14/18 - Perf Ops scheduled this eve. This sundry requests a change of PLANS, PIPE and PERF from original proposed and permitted. SWD-1666 allows the permitted interval of 15,500' to 16,900' (OH). Due to a leaking liner top (rpt'd C-103 11/2017) and other downhole complications, an additional expandable liner was installed covering the upper portion of the permitted interval from 15,539' to 15,647'.

Solaris Water Midstream respectfully proposes to perform the following operations:

1) perforate the 4 1/4" expandable liner from 15,630' (Top of Devonian at 15,625') to 15,648' (Top of safety joint on expander); with 6 SPF of 0.39" diameter holes (total of 110 holes) in order to increase the available flow path to the permitted Devonian injection interval.

2) forego the swab test of the Devonian due to the current 1.08" flow path through the bottom of the 4-1/2" liner. Solaris does not want to impose any additional risk of operations other than those imperative to the successful completion and injection into the wellbore.

SEE ATTACHMENTS; Summary/ Prog & Wellbore Diagram

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

TITLE **Agent/consultant**

DATE **4/14/2018**

Type or print name

E-mail address: **ben@sosconsulting.us**

PHONE: **903-488-9850**

For State Use Only

APPROVED BY

TITLE

Geologist

DATE **10-29-18**

Conditions of Approval (if any):

Sundry Notice for Post cementing and pressure testing 7 5/8" stub liner:

Successful negative pressure test on stub liner top (7 5/8", 39.00 ppg, P-110 flush joint) @ 8,723' for 6 ¼ hours with 8.34 MWEQ resulting in differential of 3,650 psi. Perforated (6), 0.48" diameter squeeze holes at 11,474' in 7 5/8" liner. Squeezed 500 sacks (94 bbls) Class H cement, 16.40 ppg, 1.07 cu.ft./sk yield, 4.30 gal/sk water. CBL indicated cement in place from 11,472' – 12,000'. Ran 4 ¼" Enventure expandable liner from 15,539' - 15,657' by drill string measurement. Pumped 50 sacks (11 bbls) cement at 14.20 ppg, 1.26 cu. ft./sk yield, 5.69 gal/sk water. Attempted to expand liner, liner would not expand – cement flash set. Attempted to pull liner, liner was stuck. Fishing job to remove components stuck in the liner. Unable to remove bottom of liner expander tool. Top of fish at 15,648' – 15,657'. Top of liner at 15,539'. Bottom of liner at 15,657'. Bottom of 8 ½" open hole 15,650'. Top of 4 ½" hole at 15,650'. TD of 4 ½" hole is 16,876'. Ran CBL inside 4-1/2" liner; indicated good cement from 15,648' (top of expander) to top of liner at 15,539'. RU coiled tubing and drilled 1.08" hole with a milling assembly through expander tool from 15,648' – 15,657'. Cleaned out 4 ½" open hole (no tag) with 1.08 mill to 15,667'.

Solaris Water Midstream respectfully proposes to perform the following operations:

- 1) perforate the 4 ¼" expandable liner from 15,630' (Top of Devonian at 15,625') to 15,648' (Top of safety joint on expander); with 6 SPF of 0.39" diameter holes (total of 110 holes) in order to increase the available flow path to the permitted Devonian injection interval.
- 2) forego the swab test of the Devonian due to the current 1.08" flow path through the bottom of the 4-1/2" liner. Solaris Water Midstream does not want to impose any additional risk of operations other than those imperative to the successful completion and injection into the wellbore.

Solaris Water Midstream

WELLBORE DATA SHEET

LEASE: Pecos Star
WELL: Eddy State 2 SWD
LOCATION: Sec 48 T26S R29E
Eddy County, NM
OBJECTIVE: Vertical Devonian Injection Well. Injection Interval 15,500' to +/-16,700. Silurian/Devonian & Fusselman

TOTAL DEPTH: 16,600' MD /TVD
SURF. LOC'N: 2469' FWL, 2267' FSL
BTM. HOLE LOC'N: Same As Above
SURFACE ELEV.: 3022'

LOGGING/ CEMENT	CASING SIZE (IN.)	RKB DRILL DEPTH MD TVD	BOPE	FORMA.	HOLE SIZE (IN.)	MUD WT.	FRAC GRAD
Gmd Level	RKB	33					
700 sxs Class C Lead 200 sxs Class C Tail 100% Excess	ELEV. _____ 20"	575 / 575	Open		Driven	8.8	
94# K-55 LTC/BTC		1,732 / 1,732					
1100 sxs Class C Lead 200 sxs Class C Tail 50% Excess GR, CBL	13-3/8"	2,425 / 2,425		13-5/8"-5M Annular	17-1/5"	9.0	
68.0 HCL-80 BT&C		3,100 / 3,100 3,266 / 3,266		13-5/8"-10M BOP's		9.0	14.0
				Delaware Lime 3,177 Delaware Sand			
				DV Tool with ECP @ +/- 3,300'			
		4,067 / 4,067 5,692 / 5,692		Cherry Canyon/Del Sand	12-1/4"		
				Brushy Canyon			
		6,932 / 6,932		1st Bone Springs			
Stage 1 1000 sxs 50/50 Poz 400 sxs Class H 25% Excess Stage 2 700 sxs Class C 200 sxs Class C Tail 30% Excess GR, CBL	Top of 7 5/8" STUB = 8,723' Top of 7 5/8" TBP = 9,281' Top of 7 5/8" Liner = 9,297'	8,242 / 8,242 8,980 / 8,980		2nd Bone Springs 3rd Bone Springs			
	2195' of lap	10,160 / 10,160 11,480 / 11,480		Top of Wolfcamp Lower Wolfcamp			
	9-7/8"	11,492 / 11,492		Perf 8, .48 dial holes @ 11,474. Squeeze 500 sx 16.40 ppg. 1.07 cu ft/sx. 4.3 gal/sk			
	62.6# Q-125 LT&C			13-5/8"-5M Annular 13-5/8"-10M BOP's	12.3		
				Installed 75' expandable patch across squeeze perfs from 11,435' to 11,510'			
12,800 - 12,950 loss/noise zone		12,800 / 12,800		Canyon LS			
		13,042 / 13,042 / 0		Strawn			
Pressure		13,326 / 13,326		Atoka	8-1/2"		
	Top of 5 1/2" Liner = 13,622' Top of 5 1/2" Liner = 13,636'						
	7 5/8"	13,940 / 13,940 14,130 / 14,130		Barnett SH			
	39.0# P-110 FJ			Chester SH			
		14,520 / 14,520		Mississippian Woodford SH			
GR, CBL	5 1/2"	15,330 / 15,330 15,490 / 15,490 15,539 / 15,539 15,586 / 15,586		13-5/8"-5M Annular 13-5/8"-10M BOP's			
4 1/4" liner Cement 50 sacks (11 bbls) 14.2 ppg. 1.26 cu ft/sx. 5.69 gal/sk	23.0# P-110 FJ	15,625 / 15,625		Silurian-Devonian	8.3		
		15,657 / 15,657		Bottom of 8 1/2 hole 4 1/4" EXPANDABLE LINER 15,539' TO 15,657'			
PROPOSED PERFORATIONS 15,630 to 15,648 (18") 6 spf with 0.39 dia holes 110 total holes				Expander left inside liner. Top of safety joint 15,648 Drilled 1.08" hole through expander from 15,648 to 15,657 ran 1.08" mill to 15,667' (no tag) in open hole.			
		16,876 / 16,876		4 1/2" HOLE TD OPEN HOLE			