

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 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-105 Revised April 3, 2017 1. WELL API NO. 30-015-45072 2. Type of Lease <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN 3. State Oil & Gas Lease No.
--	---	--

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)	5. Lease Name or Unit Agreement Name Mobley SWD 6. Well Number: 1
---	--

MAR 04 2019

7. Type of Completion:
 NEW WELL WORKOVER DEEPENING PLUGBACK DIFFERENT RESERVOIR OTHER

8. Name of Operator Solaris Water Midstream, LLC	9. OGRID 371643
--	---------------------------

DISTRICT II-ARTESIA O.C.D.

10. Address of Operator 907 Tradewinds Blvd, Suite B Midland, TX 79706	11. Pool name or Wildcat SWD; Devonian - Silurian
--	---

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	C	19	23S	30E		225	North	2460	West	Eddy
BH:	C	19	23S	30E		225	North	2460	West	Eddy

13. Date Spudded 10/18/18	14. Date T.D. Reached 1/5/19	15. Date Rig Released 1/9/19	16. Date Completed (Ready to Produce) 1/30/19	17. Elevations (DF and RKB, RT, GR, etc.) 3065' GR
-------------------------------------	--	--	---	---

18. Total Measured Depth of Well 16,370	19. Plug Back Measured Depth --	20. Was Directional Survey Made? Yes	21. Type Electric and Other Logs Run
---	---	--	--------------------------------------

22. Producing Interval(s), of this completion - Top, Bottom, Name
Inj OH 15,180' - 16,370'

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20	94 J55	400	26	C 1060	--
13.375	68 HCN80	3283	17.5	C 2050	--
9.875	62.8 Q125	11040	12.25	H 1705	--
L1 7.625	39 P110	10469/13300	8.50	H 210	
L2 5.50	23 P110	12975/15179	6.50	C 155	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
7.625	10,469	13,300	210 ✓	
5.5 ✓	12,975	15,179	155 ✓	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
5"	4742	
5.5"	15,129'	15,118'

26. Perforation record (interval, size, and number) OH: 15,180' - 16,370'	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 15,180 - 16,370 49,100 gal 20% gelled NEFE in 4 stages. Flushed w/330 bbls FW
---	---

28. PRODUCTION

Date First Production NA	Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>)	Well Status (<i>Prod. or Shut-in</i>)
------------------------------------	--	---

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
--------------	--------------	------------	------------------------	-----------	-----------	--------------	-----------------

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
--------------------	-----------------	-------------------------	------------	-----------	--------------	-----------------------------

29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) NA	30. Test Witnessed By
--	-----------------------

31. List Attachments
Deviation Survey, Logs mailed separately.

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.	33. Rig Release Date:
--	-----------------------

34. If an on-site burial was used at the well, report the exact location of the on-site burial:
 Latitude _____ Longitude _____ NAD83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Bonnie Atwater	Name Bonnie Atwater	Title Regulatory Tech	Date 2/27/19
---------------------------------	----------------------------	------------------------------	---------------------

E-mail Address **bonnie.atwater@solarismidstream.com**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn 12,300	T. Kirtland	T. Penn. "B"
B. Salt 3092	T. Atoka 12,540	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss 14,670	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian 15,180	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya 16,350	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 3320	T. Morrison	
T. Drinkard	T. Bone Springs 7130	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp 10,430	T.	T. Wingate	
T. Penn 11,900	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
 No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0	450	450	Sand, Redbed & Anhydrite				
450	850	400	Anhydrite & Limestone				
850	3092	2242	Salt, Anhydrite & Dolomite				
3092	3320	228	Anhydrite & Limestone				
3320	7130	3810	Sandstone, Shale & Limestone				
7130	10430	3300	Limestone, Sandstone & Shale				
10430	12270	1840	Shale & Limestone				
12270	13300	1030	Limestone & Shale				
13300	14600	1300	Shale, Limestone & Sandstone				
14600	15010	410	Limestone & Chert				
15010	15180	14170	Shale & Limestone				
15180	16350	1170	Dolomite & Limestone				
16350	16370	20	Dolomite, Chert & Limestone				

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

Ken McQueen
Cabinet Secretary

Matthias Sayer
Deputy Cabinet Secretary

Heather Riley, Division Director
Oil Conservation Division



Administrative Order SWD-1743
July 3, 2018

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION

Pursuant to the provisions of Division Rule 19.15.26.8(B) NMAC, Solaris Water Midstream, LLC (the "operator") seeks an administrative order for its Mobley SWD Well No.1 (the "proposed well") with a location 225 feet from the North Line and 2460 feet from the West line, Unit C of Section 19, Township 23 South, Range 30 East, NMPM, Eddy County, New Mexico, for commercial disposal of produced water.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Division Rule 19.15.26.8(B) NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified. One objection was received within the prescribed waiting period but was later withdrawn through a negotiated resolution. Additionally, the location of the proposed well was reviewed by the Carlsbad Office of the Bureau of Land Management relative to the Secretary's Order No. 3324 on potash resources.

The applicant has presented satisfactory evidence that all requirements prescribed in Division Rule 19.15.26.8 NMAC have been met and the operator is in compliance with Division Rule 19.15.5.9 NMAC.

IT IS THEREFORE ORDERED THAT:

Solaris Water Midstream, LLC (OGRID 371643), is hereby authorized to utilize its Mobley SWD Well No.1 (API 30-015-45072) with a proposed location 225 feet from the North Line and 2460 feet from the West line, Unit C of Section 19, Township 23 South, Range 30 East, NMPM, Eddy County, for disposal of oil field produced water (UIC Class II only) into the Devonian and Silurian formations through an open-hole interval from 15160 feet to 16500 feet. Injection will occur through an internally-coated, 5-inch or smaller tubing within the 7 $\frac{1}{8}$ -inch liner and with a packer set within 100 feet of the top of the disposal interval.

This permit does not allow disposal into formations below the Silurian formations including the Montoya formation and the Ellenburger formation (lower Ordovician) or lost circulation intervals directly on top and obviously connected to these formations.

Prior to commencing disposal, the operator shall submit mudlog and geophysical logs information, to the Division's District geologist and Santa Fe Bureau Engineering office, showing evidence agreeable that only the permitted formation is open for disposal including a summary of depths (picks) for contacts of the formations which the Division shall use to amend this order for a final description of the depth for the injection interval. If significant hydrocarbon shows occur while drilling, the operator shall notify the Division's District II and the operator shall be required to receive written permission prior to commencing disposal.

If cement does not circulate on any casing string, the operator shall run a cement bond log (CBL) or other log to determine top of cement and shall notify the Artesia District with the top of cement on the emergency phone number prior to continuing with any further cement activity with the proposed well. If cement did not tie back in to next higher casing shoe, the operator shall perform remedial cement job to bring cement, at a minimum, 300 feet above the next higher casing shoe.

The tie-in of the 7 $\frac{1}{8}$ -inch liner with the 9 $\frac{5}{8}$ -inch casing shall be no less than 300 feet. The operator shall run a CBL (or equivalent) across the 7 $\frac{1}{8}$ -inch liner from 500 feet above the liner to the bottom of the liner to demonstrate placement cement across the length of the liner and the cement bond with the tie-in with the 9 $\frac{5}{8}$ -inch casing. The operator shall provide a copy of the CBL to the Division's District II prior to commencing disposal.

Within two years after commencing disposal, the operator shall submit to the Division copies of an injection survey run on this well consisting of a temperature log, or equivalent, run under representative disposal rates.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the disposed water enters only the approved disposal interval and is not permitted to escape to other formations or onto the surface. This includes the construction and completion of the well as proposed and described in the application.

After installing tubing, the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing disposal and prior to resuming disposal each time the disposal packer is unseated. All MIT procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

Without limitation on the duties of the operator as provided in Division Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's District II office of any failure of the tubing, casing, or packer in the well, or of any leakage or release of

water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

If the disposal well fails a MIT or if there is evidence that the mechanical integrity of said well is impacting correlative rights, the public health, any underground sources of fresh water, or the environment, the Division Director shall require the well to be shut-in within 24 hours of discovery and the operator shall redirect all disposal waters to another facility. The operator shall take the necessary actions to address the impacts resulting from the mechanical integrity issues in accordance with Division Rule 19.15.26.10 NMAC, and the well shall be tested pursuant to Rule 19.15.26.11 NMAC prior to returning to injection.

The wellhead injection pressure on the well shall be limited to **no more than 3032 psi**. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formation. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate Test.

The operator shall notify the supervisor of the Division's District II office of the date and time of the installation of disposal equipment and of any MIT so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's District office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

The injection authority granted under this order is not transferable except upon division approval. The Division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

The Division may revoke this injection permit after notice and hearing if the operator is in violation of Rule 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate one (1) year after the effective date of this order if the operator has not commenced injection operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

Administrative Order SWD-1743
Solaris Water Midstream, LLC
July 3, 2018
Page 4 of 4

Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.


HEATHER RILEY
Director

HR/prg

cc: Oil Conservation Division – Artesia District Office
Well file 30-015-45072

Attachment: Proposed well completion diagram from C-108 application