Form 3160-5 (June 2019)

## UNITED STATES DEPARTMENT OF THE INTERIOR

FURM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

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SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.		6. If Indian, Allottee o	r Tribe Name	
abandoned wen.	ose romi oroc-o (Ar b) for suc	п ргорозиіз.	7 If II: 4 - f C A / A	None and None
	<b>TRIPLICATE</b> - Other instructions on page	9 2	/. If Unit of CA/Agree	ement, Name and/or No.
1. Type of Well			8. Well Name and No.	
Oil Well Gas W	Vell Other			
2. Name of Operator			9. API Well No.	
3a. Address	3b. Phone No.	(include area code)	10. Field and Pool or I	Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish,	State	
12. CHE	CK THE APPROPRIATE BOX(ES) TO INC	DICATE NATURE OF NO	TICE, REPORT OR OTH	IER DATA
TYPE OF SUBMISSION		TYPE OF A	CTION	
Notice of Intent	Acidize Deep Alter Casing Hydra	=	oduction (Start/Resume)	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair New	Construction Re	ecomplete	Other
Subsequent Report	Change Plans Plug	and Abandon Te	mporarily Abandon	
Final Abandonment Notice	Convert to Injection Plug	Back W	ater Disposal	
completed. Final Abandonment Not is ready for final inspection.)	ns. If the operation results in a multiple comices must be filed only after all requirements			
4. I hereby certify that the foregoing is	true and correct. Name (Printed/Typed)	Title		
Signature Date				
	THE SPACE FOR FEDE	ERAL OR STATE C	FICE USE	
Approved by			I	
rr		Title	I	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.				
	B U.S.C Section 1212, make it a crime for an		villfully to make to any de	partment or agency of the United States

(Instructions on page 2)

#### **GENERAL INSTRUCTIONS**

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

#### SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## **NOTICES**

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## **Additional Information**

#### **Additional Remarks**

Rodney Robinson South TB RODNEY ROBINSON FED COM #134H 3/14/2021
Rodney Robinson South TB RODNEY ROBINSON FEDERAL COM #203H 3/14/2021
Rodney Robinson South TB RODNEY ROBINSON FED COM #204H 3/14/2021
Rodney Robinson North TB RODNEY ROBINSON FEDERAL #112H Upcoming
Rodney Robinson North TB RODNEY ROBINSON FEDERAL #132H Upcoming
Rodney Robinson South TB RODNEY ROBINSON FED COM #108H Upcoming
Rodney Robinson South TB RODNEY ROBINSON FED COM #114H Upcoming
Rodney Robinson South TB RODNEY ROBINSON FED COM #124H Upcoming
Rodney Robinson South TB RODNEY ROBINSON FED COM #103H Upcoming
Rodney Robinson South TB RODNEY ROBINSON FED COM #123H Upcoming
Rodney Robinson South TB RODNEY ROBINSON FED COM #123H Upcoming
Rodney Robinson South TB RODNEY ROBINSON FED COM #113H Upcoming
Rodney Robinson South TB RODNEY ROBINSON FED COM #113H Upcoming

### **Location of Well**

0. SHL: LOT 4 / 240 FNL / 827 FWL / TWSP: 23S / RANGE: 33E / SECTION: 6 / LAT: 32.3404113 / LONG: -103.6170967 ( TVD: 0 feet, MD: 0 feet ) PPP: LOT 4 / 52 FNL / 647 FWL / TWSP: 23S / RANGE: 33E / SECTION: 6 / LAT: 32.3409301 / LONG: -103.6176749 ( TVD: 8781 feet, MD: 8781 feet ) BHL: LOT 4 / 60 FSL / 491 FWL / TWSP: 23S / RANGE: 33E / SECTION: 7 / LAT: 32.3122039 / LONG: -103.6181862 ( TVD: 9839 feet, MD: 19984 feet )

Tank Battery	Well	Flowback Date
Rodney Robinson North TB	RODNEY ROBINSON FEDERAL #102H	4/1/2020
Rodney Robinson North TB	RODNEY ROBINSON FEDERAL #122H	4/1/2020
Rodney Robinson North TB	RODNEY ROBINSON FEDERAL #202H	4/1/2020
Rodney Robinson North TB	RODNEY ROBINSON FEDERAL #101H	4/1/2020
Rodney Robinson North TB	RODNEY ROBINSON FEDERAL #121H	4/1/2020
Rodney Robinson North TB	RODNEY ROBINSON FEDERAL #201H	4/1/2020
Rodney Robinson South TB	RODNEY ROBINSON FEDERAL COM #133H	3/14/2021
Rodney Robinson South TB	RODNEY ROBINSON FED COM #134H	3/14/2021
Rodney Robinson South TB	RODNEY ROBINSON FEDERAL COM #203H	3/14/2021
Rodney Robinson South TB	RODNEY ROBINSON FED COM #204H	3/14/2021
Rodney Robinson North TB	RODNEY ROBINSON FEDERAL #112H	Upcoming
Rodney Robinson North TB	RODNEY ROBINSON FEDERAL #132H	Upcoming
Rodney Robinson South TB	RODNEY ROBINSON FED COM #108H	Upcoming
Rodney Robinson South TB	RODNEY ROBINSON FED COM #114H	Upcoming
Rodney Robinson South TB	RODNEY ROBINSON FED COM #124H	Upcoming
Rodney Robinson South TB	RODNEY ROBINSON FED COM #103H	Upcoming
Rodney Robinson South TB	RODNEY ROBINSON FED COM #123H	Upcoming
Rodney Robinson South TB	RODNEY ROBINSON FED COM #113H	Upcoming
Rodney Robinson South TB	RODNEY ROBINSON FED COM #104H	Upcoming

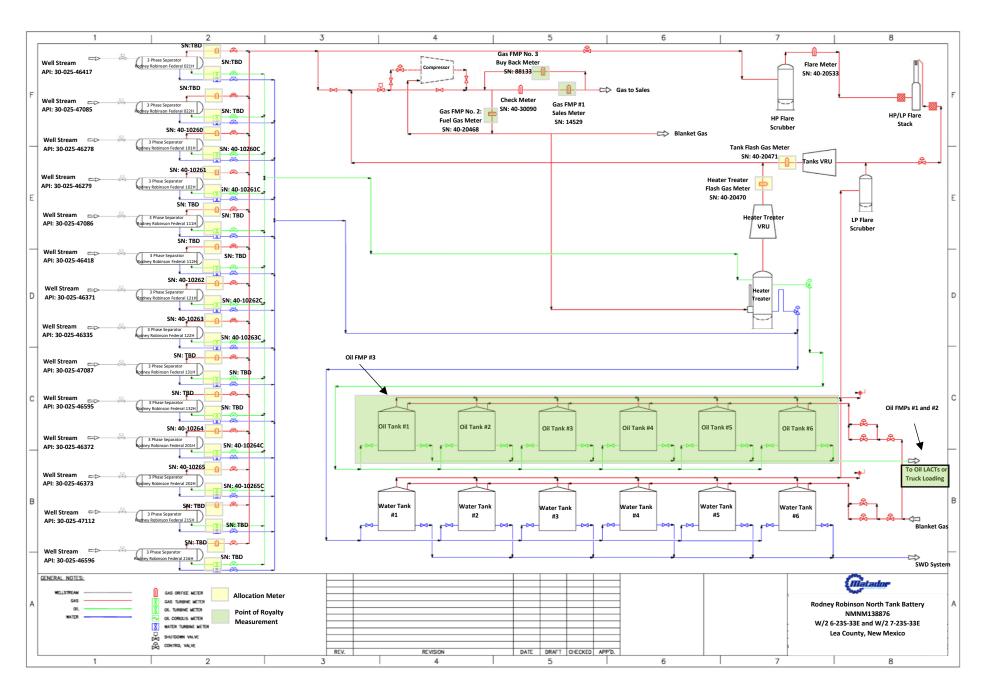
JS Well Number	APD/NOS ID	Well Name	Well Number	Lease Number
3002546278	10400039821	RODNEY ROBINSON FEDERAL	101H	NMNM138876
3002546279	10400040346	RODNEY ROBINSON FEDERAL	102H	NMNM138876
3002546335	10400040350	RODNEY ROBINSON FEDERAL	122H	NMNM138876
3002546371	10400039928	RODNEY ROBINSON FEDERAL	121H	NMNM138876
3002546372	10400039935	RODNEY ROBINSON FEDERAL	201H	NMNM138876
3002546373	10400040399	RODNEY ROBINSON FEDERAL	202H	NMNM138876
3002546417	10400039924	RODNEY ROBINSON FEDERAL	21H	NMNM138876
3002546418	10400040349	RODNEY ROBINSON FEDERAL	112H	NMNM138876
3002546595	10400040395	RODNEY ROBINSON FEDERAL	132H	NMNM138876
3002546596	10400040400	RODNEY ROBINSON FEDERAL	216H	NMNM138876
3002547085	10400040328	RODNEY ROBINSON FEDERAL	22H	NMNM138876
3002547086	10400039925	RODNEY ROBINSON FEDERAL	111H	NMNM138876
3002547087	10400039931	RODNEY ROBINSON FEDERAL	131H	NMNM138876
3002547088	10400045180	RODNEY ROBINSON FED COM	103H	NMNM138876
3002547089	10400045456	RODNEY ROBINSON FED COM	108H	NMNM138876
3002547112	10400039938	RODNEY ROBINSON FEDERAL	215H	NMNM138876
3002547345	10400044977	RODNEY ROBINSON FED COM	024H	NMNM138876
3002547346	10400045460	RODNEY ROBINSON FED COM	113H	NMNM138876
3002547347	10400045471	RODNEY ROBINSON FED COM	114H	NMNM138876
3002547348	10400043820	RODNEY ROBINSON FED COM	123H	NMNM138876
3002547349	10400043828	RODNEY ROBINSON FED COM	124H	NMNM138876
3002547350	10400045467	RODNEY ROBINSON FED COM	133H	NMNM138876
3002547351	10400044767	RODNEY ROBINSON FED COM	203H	NMNM138876
3002547352	10400044790	RODNEY ROBINSON FED COM	204H	NMNM138876
3002547353	10400043827	RODNEY ROBINSON FED COM	218H	NMNM138876
3002547439	10400043825	RODNEY ROBINSON FED COM	217H	NMNM138876
3002547489	10400044752	RODNEY ROBINSON FED COM	134H	NMNM138876
3002548090	10400045182	RODNEY ROBINSON FED COM	104H	NMNM138876
3002549403	10400044967	RODNEY ROBINSON FED COM	023H	NMNM138876

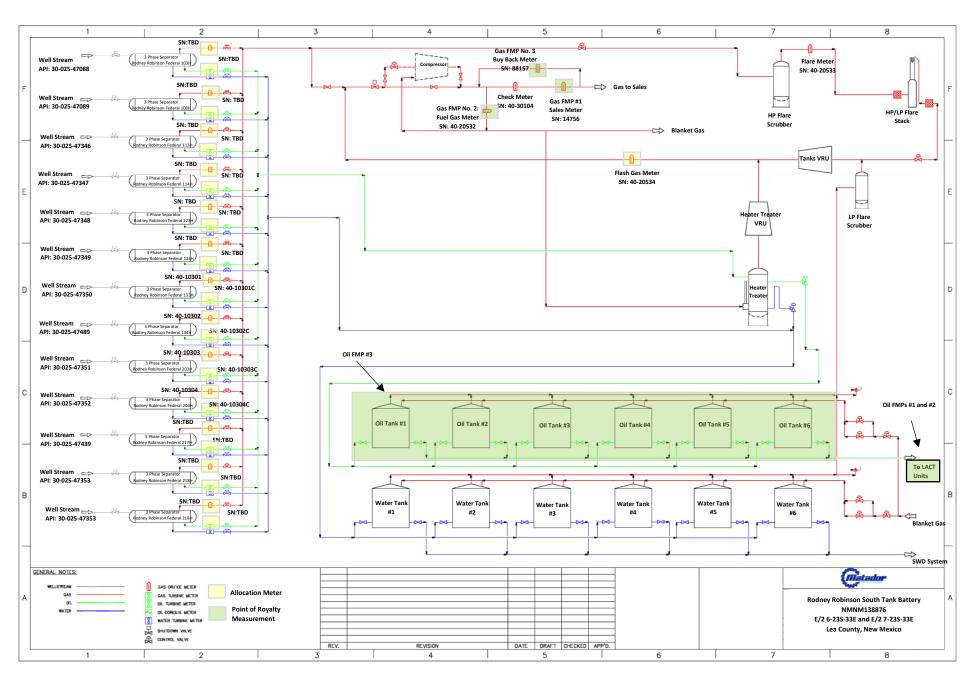
## WATER PRODUCTION & DISPOSAL INFORMATION

In order to process your disposal request, the following information must be completed:

- 1. Name of formations producing water on the lease. <u>Pronghorn; Bone Spring (96228) and WC-025 G-09 S223332A; Upr Wolfcamp (98177)</u>
- 2. Amount of water produced from all formations in barrels per day. <u>8100</u>
- 3. Attach a current water analysis of produced water from all zones showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates. (One sample will suffice if water is commingled.)
- 4. How water is stored on lease. <u>7X1,000 bbl steel tanks Rodney Robinson North TB and 6X1,000 bbl steel tanks Rodney Robinson South TB</u>
- 5. How water is moved to the disposal facility. Pipeline
- 6. Identify the Disposal Facility by:
  - A. Facility Operators name. Solaris Water Midstream, LLC
  - B. Name of facility or well name and number. Zeus SWD #001
  - C. Type of facility or well (WDW (WIW) etc. BW
  - D. Location by 1/4 1/4 SE1/4 Section 35 Township 21S Range 32E
- 7. Attach a copy of the State issued permit for the Disposal Facility.

Submit to this office, **620 East Greene St, Carlsbad NM, 88220,** the above required information on a Sundry Notice 3160-5. Submit 1 original and 3 copies, within abatement period. (This form may be used as an attachment to the Sundry Notice.)





April 22, 2020



## FESCO, Ltd. 1100 FESCO Ave. - Alice, TX 78332

For: Matador Production Company

One Lincoln Centre

5400 LBJ Freeway, Suite 1500

Dallas, Texas 75240

Rodney Robinson Federal No. 101H Sample:

Type: Separator Water

Formation: N/A Depth (Ft): N/A

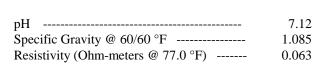
Field: N/A

County: Lea, New Mexico

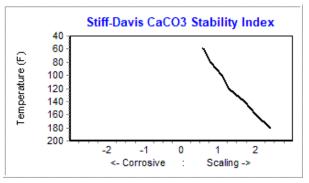
Date: 4/13/2020 Time: 12:05

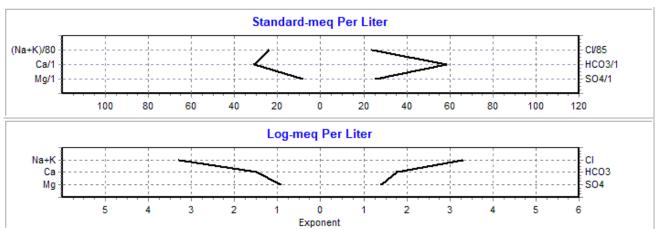
### REPORT OF WATER ANALYSIS

Solids ******	*****
mg/L	meq/L
43961.00	1912.18
621.00	30.99
102.00	8.39
0.77	0.01
840.00	21.48
6.26	
71700.00	2022.57
1230.00	25.61
0.00	0.00
3575.00	58.59
0.00	0.00
0.00	
122036	
2930	
1982	
	mg/L 43961.00 621.00 102.00 0.77 840.00 6.26 71700.00 1230.00 0.00 3575.00 0.00 122036 2930



\*\*\*\*\*\*\*\*\*\* Other Properties \*\*\*\*\*\*\*\*\*





Certified: FESCO, Ltd. Alice, Texas

> 361-661-7015 David Dannhaus

Job Number: 201723.1158

April 22, 2020



## FESCO, Ltd. 1100 FESCO Ave. - Alice, TX 78332

For: Matador Production Company

One Lincoln Centre

5400 LBJ Freeway, Suite 1500

Dallas, Texas 75240

Sample: Rodney Robinson Federal No. 101H Type: Separator Water

Formation: N/A
Depth (Ft): N/A

Field: N/A

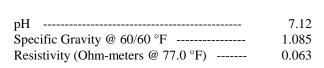
rieid. IN/A

County: Lea, New Mexico

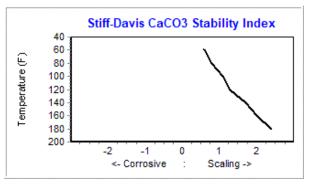
Date: 4/13/2020 Time: 12:05

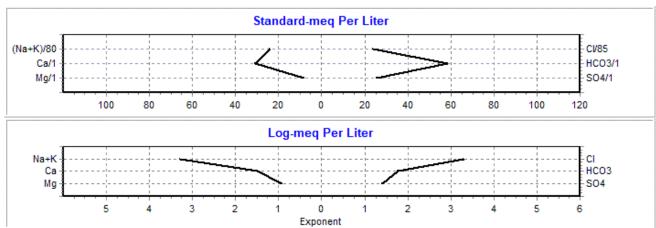
### REPORT OF WATER ANALYSIS

***** Dissolved	d Solids ******	*****
	mg/L	meq/L
Sodium (Na)	43961.00	1912.18
Calcium (Ca)	621.00	30.99
Magnesium (Mg)	102.00	8.39
Barium (Ba)	0.77	0.01
Potassium (K)	840.00	21.48
Iron (Fe)	6.26	
Chloride (Cl)	71700.00	2022.57
Sulfate (SO4)	1230.00	25.61
Carbonate (CO3)	0.00	0.00
Bicarbonate(HCO3)	3575.00	58.59
Hydroxide (OH)	0.00	0.00
Sulfide (H2S)	0.00	
Total Solids	122036	
Total Alkalinity (CaCO3)	2930	
Total Hardness (CaCO3)	1982	



\*\*\*\*\*\*\*\*\*\* Other Properties \*\*\*\*\*\*\*\*\*





Certified: FESCO, Ltd. - Alice, Texas

David Dannhaus 361-661-7015

Job Number: 201723.1158

# State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

Ken McQueen Cabinet Secretary

Matthias Sayer Deputy Cabinet Secretary David R. Catanach, Division Director Oil Conservation Division



Administrative Order SWD-1708 November 30, 2017

## 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 Zeus SWD Well No. 1 ("proposed well") with a location of 199 feet from the South line and 335 from the East line, Unit P of Section 35, Township 21 South, Range 32 East, NMPM, Lea County, New Mexico, for the purpose of commercial disposal of produced water.

## THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of Division Rule 19.15.26.8B. NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in Rule 19.15.26.8 NMAC have been met and the operator is in compliance with Rule 19.15.5.9 NMAC.

## IT IS THEREFORE ORDERED THAT:

The applicant, Solaris Water Midstream, LLC (OGRID 371643), is hereby authorized to utilize its Zeus SWD Well No. 1 (API 30-025-Pending) with a location of 199 feet from the South line and 335 from the East line, Unit P of Section 35, Township 21 South, Range 32 East, NMPM, Lea County, for disposal of oil field produced water (UIC Class II only) through an open hole interval consisting of the Devonian and Silurian formations from 15900 feet to approximately 17250 feet.

Injection will occur through either an internally-coated, 5-1/2-inch or smaller tubing inside the surface and intermediate casings, and a 5-inch or smaller tubing inside the liner. Further, a packer shall be set within 100 feet of the injection interval.

This permit does not allow disposal into the Ellenburger formation (lower Ordovician) or lost circulation intervals directly on top and obviously connected to this formation.

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

Administrative Order SWD-1708 Solaris Water Midstream, LLC November 30, 2017 Page 2 of 3

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.

## 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 completion and construction of the well as proposed in the application and, if necessary, as modified by the District Supervisor.

The operator shall circulate the cement behind the casing to surface for all surface and intermediate casings.

The operator shall run a CBL (or equivalent) across the 7-5/8-inch liner from 500 feet above the top of liner to the bottom of the liner to demonstrate a good cement across the 7-5/8-inch liner, and good bond between the liner and the 9-5/8-inch casing.

Within two years after commencing disposal, the operator shall conduct an injection survey, consisting of a temperature log or equivalent, over the entire injection interval using representative disposal rates. Copies of the survey results shall be provided to the Division's District I office and Santa Fe Engineering Bureau office.

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.

The wellhead injection pressure on the well shall be limited to **no more than 3180 psi**, <u>but may be modified by the Division Director following the completion of the initial Step-Rate Test.</u> 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 operator shall install and maintain a chart recorder showing casing and tubing pressures during disposal operations.

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 formations. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate Test.

Administrative Order SWD-1708 Solaris Water Midstream, LLC November 30, 2017 Page 3 of 3

The operator shall notify the supervisor of the Division's District I 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 I 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 disposal authority granted herein shall terminate two (2) years 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.

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.

DAVID R. CATANACH

Director

DRC/mam

cc: Oil Conservation Division – Hobbs District Office Administrative Application – pMAM1731050949

Bureau of Land Management - Carlsbad

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 Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 73938

## **CONDITIONS**

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre Dallas, TX 75240	Action Number: 73938
	Action Type: [C-103] NOI General Sundry (C-103X)

#### CONDITIONS

Created	By Condition	Condition Date
dmcc	ure ACCEPTED FOR RECORD	11/9/2023