RECEIVED:	REVIEWER:	TYPE:	APP NO:
3/24/2014		540	DMAM180857360
,	ABOVE	THIS TABLE FOR OCD DIVISION USE OF	NLY

ABOVE	THIS TABLE FOR OCD DIVISION USE ONLY
	CONSERVATION DIVISION
_	ngineering Bureau – (4)
1220 South St. Francis D	rive, Santa Fe, NM 87505
	APPLICATION CHECKLIST  RATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
	CESSING AT THE DIVISION LEVEL IN SANTA FE
Applicant: SOLARIS WATER MIDSTREAM, LLC	OGRID Number: 371643
Vell Name: Blackmon SWD No.1	API: 30-015-xxxxx
Proposed: SWD; Devonian-Silurian	Pool Code: 97869
	ION REQUIRED TO PROCESS THE TYPE OF APPLICATIO
1) TYPE OF APPLICATION: Check those which a	pply for [A]
A. Location – Spacing Unit – Simultaneous	Dedication
■ NSL ■ NSP (PROJECT AREA)	□ NSP(proration unit) □ SD
B. Check one only for [I] or [II]	MGR 25 2018 AH 11:03
[1] Commingling — Storage — Measuren	nent
□DHC □CTB □PLC □	
[ II ] Injection – Disposal – Pressure Incre	· · · · · · · · · · · · · · · · · · ·
□ WFX □PMX ■SWD □	IPI
2) NOTIFICATION REQUIRED TO: Check those will	hich apply.
A. Offset operators or lease holders	Notice Complete
B. Royalty, overriding royalty owners, re	ii i Abblication
C. Application requires published notic	
D. Notification and/or concurrent appr	
<ul><li>E.  Notification and/or concurrent appr</li><li>F.  Surface owner</li></ul>	OVAL DY BLM
G. For all of the above, proof of notifice	ation or publication is attached, and/or
H. No notice required	and of poblication is direction, direction,
3) <b>CERTIFICATION:</b> I hereby certify that the infor	mation submitted with this application for
administrative approval is accurate and con	, ,
	his application until the required information and
notifications are submitted to the Division.	in application of the notation and
Note: Statement must be completed by an i	ndividual with managerial and/or supervisory capacity.
	3/23/2018
Ben Stone, Agent	Date
Print or Type Name	_
	903-488-9850
73	Phone Number
-du fre	ben@sosconsulting.us

e-mail Address

Signature



March 23, 2018

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Attn: Ms. Heather Riley, Director

Re: Application of Solaris Water Midstream, LLC to permit for salt water disposal in the proposed Blackmon SWD Well No.1, to be located in Section 33, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico.

Dear Ms. Riley,

Please find enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to permit for disposal, the Blackmon SWD No.1.

Solaris Water Midstream seeks to optimize efficiency, both economically and operationally, of its operations and to offer additional disposal options for operators in southeast New Mexico. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice will ran on February 23, 2018 in the Artesia Daily Press and all offset operators and other interested parties have been notified individually. The legal notice affidavit is included herein. This application also includes revisions of a wellbore schematic, area of review maps, affected party plats and other required information for a complete Form C-108. The well is located on private land and minerals with offsetting federal and state minerals. All affected parties have received notice.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,

Ben Stone, Partner SOS Consulting, LLC

Agent for Solaris Water Midstream, LLC

Cc: Application attachment and file

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

### Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

FORM C-108 Revised June 10, 2003

### **APPLICATION FOR AUTHORIZATION TO INJECT**

1. PURPOSE: Salt Water Disposal and the application QUALIFIES for administrative approval.

II. OPERATOR:

Solaris Water Midstream, LLC

ADDRESS:

701 Tradewinds Blvd., Suite C, Midland, TX 79706

CONTACT PARTY: Agent: SOS Consulting, LLC - Ben Stone (903) 488-9850

- III. WELL DATA: All well data and applicable wellbore diagrams are ATTACHED.
- IV. This is not an expansion of an existing project.
- V. A map is attached that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- \*VI. A tabulation is attached of data on all wells of public record within the area of review which penetrate the proposed injection zone.

  There are NO (0) Wells in the subject AOR which Penetrate the proposed Devonian interval. The data includes a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged well illustrating all plugging detail.

  NO P&A Wells penetrate.
- VII. The following data is ATTACHED on the proposed operation, including:
  - Proposed average and maximum daily rate and volume of fluids to be injected;
  - 2. Whether the system is open or closed;
  - 3. Proposed average and maximum injection pressure;
  - 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  - 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Appropriate geologic data on the injection zone is ATTACHED including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Stimulation program a conventional acid job may be performed to clean and open the formation.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). Well Logs will be filed with OCD.
- \*XI. There are several water wells/ PODs within one mile of the proposed salt water disposal well. Analyses will be forwarded.
- XII. An affirmative statement is ATTACHED that available geologic and engineering data has been examined and no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. "Proof of Notice" section on the next page of this form has been completed and ATTACHED. There are 14 offset lessees, operators or mineral owners within ½ mile; offsetting BLM and State minerals all have been noticed. Location is Private.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Ben Stone TITLE: SOS Consulting, LLC agent for Solaris Water Midstream, LLC

SIGNATURE: DATE: 3/23/2018

E-MAIL ADDRESS: ben@sosconsulting.us

<sup>\*</sup> If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

### FORM C-108 - APPLICATION FOR AUTHORIZATION TO INJECT (cont.)

### III. WELL DATA - The following information and data is included (See ATTACHED Wellbore Schematic):

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - (1) Lease name; Well No., Location by Section, Township and Range; and footage location within the section.
  - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.
  - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
  - (1) The name of the injection formation and, if applicable, the field or pool name.
  - (2) The injection interval and whether it is perforated or open-hole.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.
- XIV. PROOF OF NOTICE pursuant to the following criteria is ATTACHED.

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells:
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.



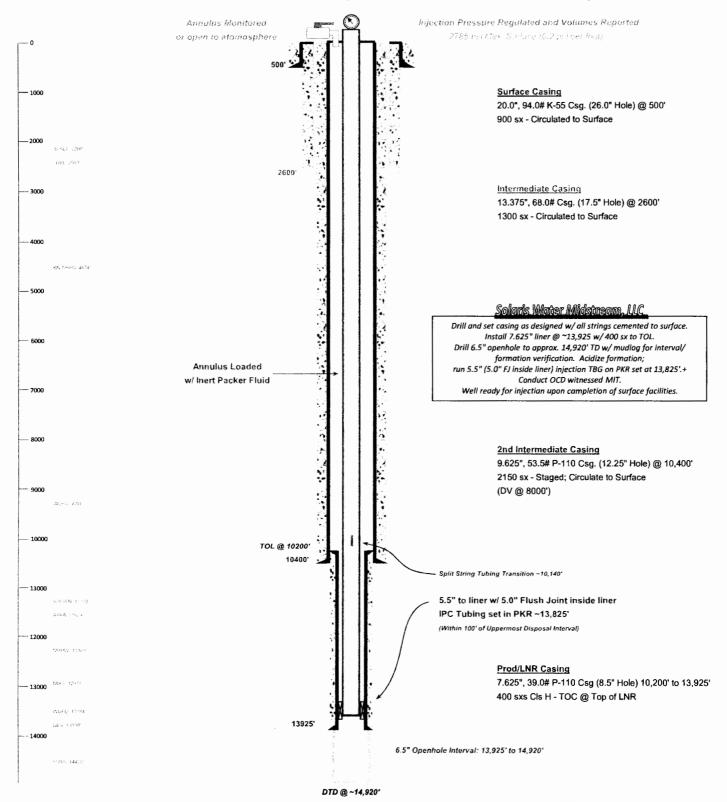
## WELL SCHEMATIC - PROPOSED Blackmon SWD Well No.1

### API 30-015-xxxxx

285' FNL & 298' FWL, SEC.33-T23S-R28E EDDY COUNTY, NEW MEXICO

### SWD; Devonian-Silurian (97869)

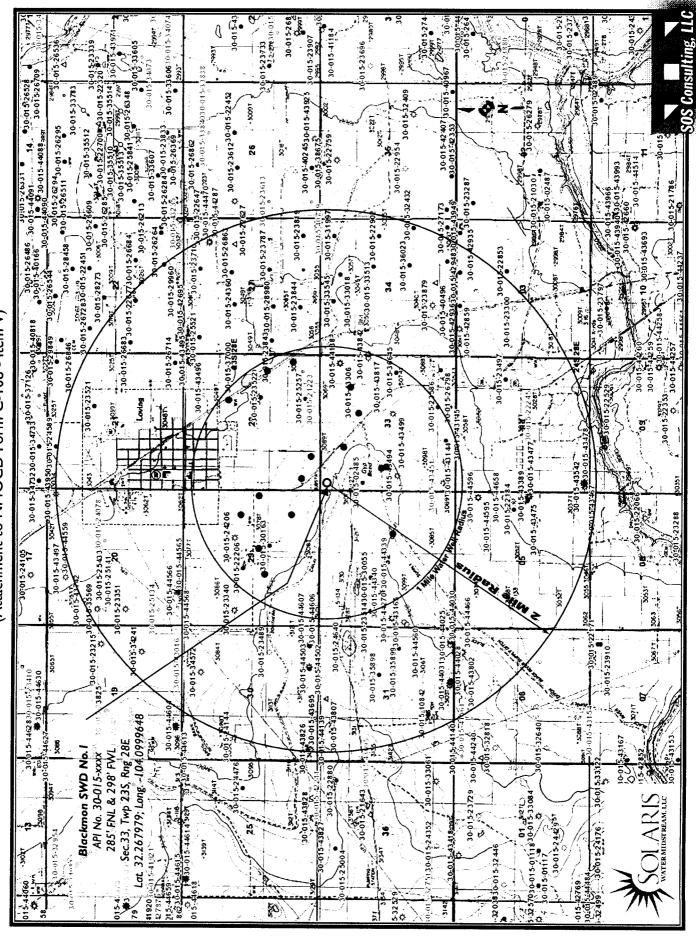
Spud Date: 5/15/2018 SWD Config Dt: 7/01/2018





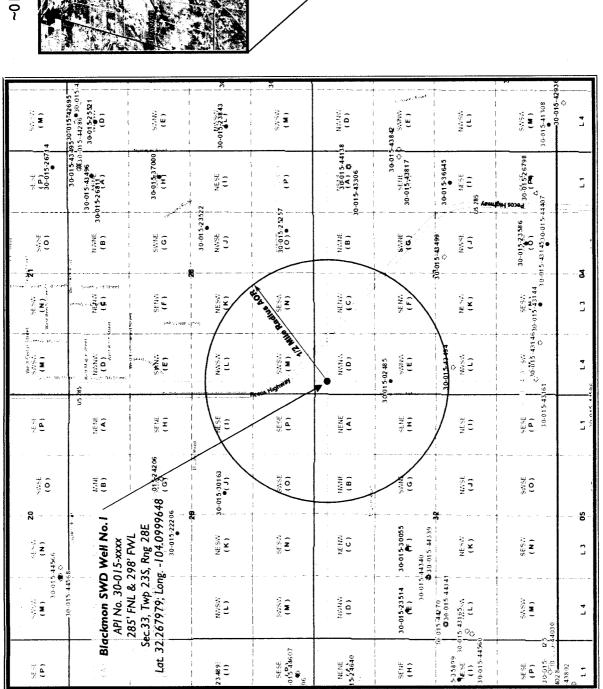
Blackmon SWD No.1 - Area of Review / 2 Miles

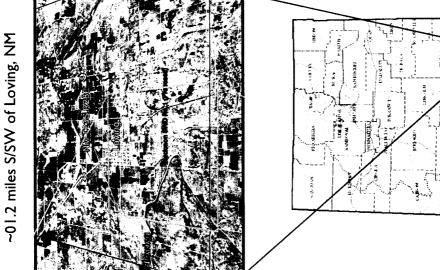
(Attachment to NMOCD Form C-108 - Item V)

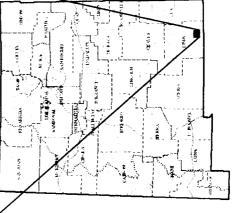


# Blackmon SWD Well No.1 - Area of Review / Overview Map

(Attachment to NMOCD Form C-108, Application for Authority to Inject.)







Eddy County, New Mexico





### C-108 - Item VI

Area of Review Well Data

# THERE ARE NO WELLS WHICH PENETRATE THE PROPOSED DEVONIAN FORMATION IN THE ONE-HALF MILE AREA of REVIEW

### C-108 ITEM X - LOGS and AVAILABLE TEST DATA

A Standard Suite of Logs will be run after drilling the well and submitted to the Division.

### C-108 ITEM VII

### **Proposed Operation**

### **Blackmon SWD No.1**

### Commercial SWD Facility

Upon approval of all permits for SWD, operations would begin within 30 days. Completion of the well operations will take approximately 6-8 weeks. Facility construction including installation of the tank battery, berms, plumbing and other and associated equipment would be occurring during the same interval but at a different location from the well. In any event, it is not expected for the construction phase of the project to last more than 60 days, depending on availability of contractors and equipment.

### Configure for Salt Water Disposal

Prior to commencing any work, an NOI sundry(ies) will be submitted to configure the well for SWD and will detail the completion workover including all work otherwise described above, any change to the procedure noted herein and to perform mechanical integrity pressure test per OCD test procedures. (Notify NMOCD 24 hours prior.) The casing/tubing annulus will be monitored for communication with injection fluid or loss of casing integrity.

### **Operational Summary**

The SWD facility will not be fenced so that trucks may access for load disposal 24/7.

The well and injection equipment will be a closed system and equipped with pressure limiting devices and volume meters. The annulus, loaded with an inert, anti-corrosion packer fluid, will be monitored for pressure.

The tanks will be equipped with telemetry devices and visual alarms to alert the operator and customers of full tanks or an overflow situation.

Anticipated daily maximum volume is 25,000 bpd and an average of 20,000 bpd at a maximum surface injection pressure of 2785 psi (.2 psi/ft gradient – maximum pressure will be adjusted If the top of interval is modified after well logs are run).

Potential releases will be contained and cleaned up immediately. The operator shall repair or otherwise correct the situation within 48 hours before resuming operations. OCD will be notified within 24 hours of any release greater than 5 bbls. If required, remediation will start as soon as practicable. Operator shall comply with 19.15.29 NMAC and 19.15.30 NMAC, as necessary and appropriate.

### C-108 ITEM VII – PRODUCED WATER ANAYLSES

### **Item VII.4 - Water Analysis of Source Zone Water**

Delaware Bone Spring Wolfcamp Morrow

### Item VII.5 - Water Analysis of Disposal Zone Water

Devonian

Water Analyses follow this page.

### C-108 Item VII.5 - Produced Water Data

### Solaris Water Midstream, LLC - Blackmon SWD Well No.1

### **SOURCE ZONE**

DELAWARE	Lab ID
----------	--------

**API No** 3002508367 **Sample ID** 4347

Well Name BELL LAKE UNIT 007

Location ULSTR 01 24 S 33 E Lat/Long 32.25143 -103.51924

660 N 660 E County Lea

Operator (when sampled)

Field SWD Unit 1

Sample Date Analysis Date

Sample Sourc UNKNOWN Depth (if known)

Water Typ

ph alkainity\_as\_caco3\_mgL

ph\_temp\_F hardness\_as\_caco3\_mgL

specificgravity hardness\_mgL
specificgravity\_temp\_F resistivity\_ohm\_cm

tds\_mgL 87686 resistivity\_ohm\_cm\_temp\_

tds\_mgL\_180C conductivity

chloride\_mgL 53920 conductivity\_temp\_F

sodium\_mgL carbonate\_mgL

calcium\_mgL bicarbonate\_mgL 391
iron\_mgL sulfate\_mgL 749

barium\_mgL hydroxide\_mgL

magnesium\_mgL h2s\_mgL
potassium\_mgL co2\_mgL
strontium\_mgL o2\_mgL

manganese\_mgL anionremarks

Remarks

(Produced water data courtesy of NMT Octane NM WAIDS database.)



# C-108 Item VII.5 - Produced Water Data Solaris Water Midstream, LLC - Blackmon SWD Well No.1

### **SOURCE ZONE**

BON	E SPRING	ì								Lab ID		
										Sample	ID	4916
	API No	3002502	2429							-		4916
	Well Name	LEA UN	IIT				005			Sample	· NO	
	Location	ULSTR	12	20	S 34	E		Lat / Long	32.5850	4 -103	3.51106	
			1980	S	1980	Ε				County	Lea	
	Operator	(when sa	mpled	)								
			Fiel	ld	LEA					Unit J		
	Sam	nple Date						Analysis Date				
			0		-	<b>.</b>			_	.) 45.		
				прие So ter Typ	ourc DS	ı			Dep	oth (if known)		
			vva	ког тур								
	ph							alkair	ity_as_cac	o3_mgL		
	ph_ten	ıp_F						hardn	ess_as_cac	co3_mgL		
	specific	cgravity						hardn	ess_mgL			
	specific	cgravity_t	temp_F	:				resisti	vity_ohm_c	em		
	tds_mg	jL				2026	606	resisti	vity_ohm_c	m_temp_		
	tds_mg	JL_180C						condu	ctivity			
	chloride	e_mgL				118	100	condu	ctivity_temp	p_ <b>F</b>		
	sodium	_mgL						carbo	nate_mgL			
	calcium	_mgL						bicarb	onate_mgL		519	96
	iron_m	gL						sulfate	_mgL		99	)2
	barium	_mgL						hydrox	ide_mgL			
	magne	sium_mgl	-					h2s_m	ıgL			
	potassi	ium_mgL						co2_n	ngL			
	strontiu	m_mgL						o2_m	jL			

(Produced water data courtesy of NMT Octane NM WAIDS database.)

anionremarks

manganese\_mgL

Remarks



### C-108 Item VII.5 - Produced Water Data Solaris Water Midstream, LLC - Blackmon SWD Well No.1

### **SOURCE ZONE**

WOLFCAMP	
----------	--

Lab ID

5688

**API** No

3001520138

Sample ID

Well Name

MAHUN STATE

001

Sample No

Location ULSTR 16

22

S 22 Е Lat / Long 32.39340

-104.70979

1800 1980 W County Eddy

Operator (when sampled)

Field

**ROCKY ARROYO** 

Unit F

Sample Date

5/17/1968

Analysis Date

Sample Sourc DST

Depth (if known)

Water Typ

ph

8.6

alkalinity\_as\_caco3\_mgL hardness\_as\_caco3\_mgL

ph\_temp\_F specificgravity

hardness\_mgL

specificgravity\_temp\_F

resistivity\_ohm\_cm

tds\_mgL

35495

resistivity ohm cm temp

tds\_mgL\_180C

conductivity

chloride\_mgL

19000

conductivity\_temp\_F

sodium mgL

carbonate\_mgL

calcium\_mgL

bicarbonate\_mgL

830 2500

iron\_mgL

suffate\_mgL

barium\_mgL

hydroxide\_mgL

magnesium\_mgL

h2s\_mgL

potassium mgL

co2\_mgL

strontium\_mgL

o2\_mgL

manganese\_mgL

anionremarks

Remarks

(Produced water data courtesy of NMT Octane NM WAIDS database.)



### C-108 Item VII.5 - Produced Water Data

### Solaris Water Midstream, LLC - Blackmon SWD Well No.1

### **SOURCE ZONE**

MORROW	
	l ah ID

**API No** 3002520756 **Sample ID** 2434

Well Name CUSTER MOUNTAIN UNIT 001

Location ULSTR 09 24 S 35 E Lat / Long 32.22999 -103.37431

1980 S 1980 W **County** Lea

Operator (when sampled)

Field CINTA ROJA Unit K

Sample Date Analysis Date

Sample Sourc DST Depth (if known)

Water Typ

ph alkalinity\_as\_caco3\_mgL

ph\_temp\_F hardness\_as\_caco3\_mgL

specificgravity hardness\_mgL

specificgravity\_temp\_F resistivity\_ohm\_cm

tds\_mgL 282741 resistivity\_ohm\_cm\_temp\_

tds\_mgL\_180C conductivity

chloride\_mgL 176800 conductivity\_temp\_F

sodium\_mgL carbonate\_mgL

calcium\_mgL bicarbonate\_mgL 161
iron\_mgL sulfate\_mgL 650

barium\_mgL hydroxide\_mgL

magnesium\_mgL h2s\_mgL

potassium\_mgL co2\_mgL

strontium\_mgL o2\_mgL

manganese\_mgL anionremarks

Remarks

(Produced water data courtesy of NMT Octane NM WAIDS database.)



### C-108 Item VII.5 - Produced Water Data

### Solaris Water Midstream, LLC - Blackmon SWD Well No.1

### **DISPOSAL ZONE**

DEV	ONIAN									Lab ID			
										Sample	מו		5733
	API No.	300250								Sample			0,00
	Well Name	BELL L	AKE U	NIT		(	006				.,,		
	Location	ULSTR	06	23	S 34	Ε		Lat / Long	32.32821	-103	3.50663		
			660	S	1980	E				County	Lea		
	Operator	(when s	ampled	i)									
			Fie	ld	BELL L	AKE N	NORTH			Unit O			
	Sa	mple Date	•				Analys	sis Date					
			Sai	mpla C	ouroo Lii	ATED	TDE ATED		D4- (	£ 1			
				iter Typ		SAIER	VTREATER		Depth (I	fknown)			
			***		,,								
	ph						7	alkalinity	/_as_ca∞3_	mgL			
	ph_te	mp_F						hardnes	s_as_caco3_	_mgL			
	specit	icgravity						hardnes	s_mgL				
	specit	icgravity_	_tempf	=				resistivit	ty_ohm_cm				
	tds_m	ıgL				710	78	resistivit	y_ohm_cm_t	temp_			
	tds_m	gL_180C						conducti	ivity				
	chloric	de_mgL				422	00	conducti	ivity_temp_F				
	sodiu	m_mgL						carbona	te mgL				
	calciu	m_mgL						bicarbor	nate_mgL		į	500	
	iron_r							sulfate_i				000	
		n_mgL						hydroxid	_		,,		
		esium_mg	1										
								h2s_mg					
		sium_mgL	•					co2_mg					
		um_mgL						o2_mgL					
	manga	anese_mg	jL					anionren	narks				

(Produced water data courtesy of NMT Octane NM WAIDS database.)

Remarks



# C-108 Item VII.5 - Produced Water Data Solaris Water Midstream, LLC - Blackmon SWD No.1

### **DISPOSAL ZONE**

DEVONIAN	Lab ID
DEVONIAN	Lab ID

**API No.** 3002521082 **Sample ID** 5720

Well Name ANTELOPE RIDGE UNIT 003

**Location** ULSTR 34 23 S 34 E **Lat/Long** 32.25922 -103.46068

1980 S 1650 W County Lea

Operator (when sampled)

Field ANTELOPE RIDGE Unit K

Sample Date 11/14/1967 Analysis Date

Sample Source UNKNOWN Depth (if known)

Water Type

ph 6.9 alkainity\_as\_caco3\_mgL

ph\_temp\_F hardness\_as\_caco3\_mgL

specificgravity hardness\_mgL

specificgravity\_temp\_F resistivity\_ohm\_cm

tds\_mgL 80187 resistivity\_ohm\_cm\_temp\_

tds\_mgL\_180C conductivity

chloride\_mgL 47900 conductivity\_temp\_F

sodium\_mgL carbonate\_mgL

calcium\_mgL bicarbonate\_mgL 476

hydroxide\_mgL

iron\_mgL sulfate\_mgL

magnesium\_mgL h2s\_mgL

potassium\_mgL co2\_mgL strontium\_mgL o2\_mgL

manganese\_mgL anionremarks

Remarks

barium\_mgL

(Produced water data courtesy of NMT Octane NM WAIDS database.)



900

### C-108 – Item VIII

### **Geologic Information**

The Devonian and Silurian (including Fusselman) consist of carbonates including light colored dolomite and chert intervals interspersed with some tight limestone intervals. Several thick sections of porous dolomite capable of taking water are present within the subject formations in the area. Depth control data was inferred from deep wells in the vicinity. If the base of Devonian and top of Silurian and/or Ordovician rocks come in as expected the well will only be drilled deep enough for adequate logging rathole.

At a proposed depth of 14,920' BGL (Below Ground Level) the well will TD approximately 1,000 feet below the estimated top of the Devonian. Mud logging through the interval will ensure the target interval remains in Devonian and Silurian. Once Devonian is determined, the casing shoe depth will be set at an approximate maximum upper depth of 13,925' BGL. Injection will occur through the resulting openhole interval. If the base of Silurian and top of Ordovician rocks come in as expected the well will only be drilled deep enough for adequate logging rathole; estimated total depth approximately 16,700'.

The Devonian is overlain by the Woodford Shale and Mississippian Lime. The lower Silurian (Fusselman) rock is underlain by the Ordovician; Simpson, McKee and Ellenburger.

Fresh water in the area is generally available from valley and basin fill of the Carlsbad-Pecos segment of the lower Pecos Valley complex of Quaternary alluvial sand and gravel deposits. State Engineer's records show water wells in the area with a depth to groundwater of 3 to 190 feet with an average depth to groundwater of 46 feet.

NM OSE records indicate several water wells located within one mile of the proposed SWD. Samples will be taken as available as many of the wells are on private property and not readily accessible. One well has been samples and Solaris field personnel are working to acquire other well samples. Analyses will be forwarded when received.

### C-108 ITEM XI – WATER WELLS IN AOR

18 PODs Resulting in 16 Water Well Spots (based on coordinates) Within ONE MILE of Proposed SWD - Analyses will be forwarded.



### New Mexico Office of the State Engineer

### **Active & Inactive Points of Diversion**

(with Ownership Information)

		(acr	e ft per anni	um)			(R=POD has been replaced and no longer serves this file, C=the file is closed)		rs are	sm.			W 4=SE) I) (NAD83 UTI	VI in meters)
WR File Nbr	Sub	lles F	Diversion (	Owner	Count	POD Number	Code Grant	Source	<b>Q Q</b>		800	Tws Rn	a X	Y
C 00108		IRR		T.W. BALL	-	C 00108	Code Grant					235 28	_	3571285* 2
C 003 <u>19</u>		IRR	0	YARBO ARVIL RAY	ED	C 00319			1 3	2	33	235 28	585586	3570085*
C 00481	С	DOM	0.	J. B. MOORE	ED	C 00481		Shallow	3 2	1	33	235 28	585182	3570283* 🚙
C 00519	С	DOM	0 (	ELI CANADY	ED	C 00519			2 1	1	28	235 28	584970	3572100* 🕌
<del>e e1300</del>		EXF		T.R. CAVINESS	ED	0.01300			+ 3	Z	33	233 281	383380	3370003 +
C 01472		IRR	435.9	ONSUREZ VICTOR F	ED	C 01472		Shallow	2 3	2	28	235 28	585730	3571652
C 01648	С	STK	3 (	GILBERTO B. PARRAZ	€D	C 01648		Shallow	2	3	29	235 28	583667	3571184*
C 01701		IRR	0 1	MOLINA FELIPE	€D	C 01701			1 4	4	29	23S 28	584379	3570879* ,
C 01704	С	DOL	0 /	ALBERTO H GUTIERREZ JR	ED	C 01704			2 4	4	28	235 286	586187	3570897* 🎲
C 01717	С	DOL	0 1	BILL TAYLOR	ED	C 01717			2 1	4	32	235 28	584173	3569669*
C 01938	С	DOM	3 (	EDDIE P CAVALIER	ED	C 01938		Shailow	2	4	28	23S 28	586085	3571205*
C-02037		P20		PEAR & STEVENS	ED.	12.02037		Shallow		3	20	235 281	593667	3571184*
C 02469	С	DOM	0 1	FELIPE BARRERA	ED	C 02469				2	33	23\$ 286	585888	3570187*
C 02971		IRR	240	REED KIMBLEY	ED	C 02971			3 4	2	29	235 286	584370	3571492
C 03545	С	PRO	0 '	VICTOR ONSUREZ	ED	C 01472		Shallow	2 3	2	28	23S 28	585730	3571652 🥌
0 00546		PRO		OGG GPERATING LLG	EÐ	0 01472		Challow	<del>-2 -</del> 6	-2-	-20	<del>-290 -20</del> 1	505780	<del>- 9571052 eg</del>
G-0364/		PRO		VICTOR ONCUREZ	<del>CD</del>	6 01472		Shallow	-2-6	2	-20	200 201	506700	3571852
C 03606		EXP	0 \	VICTOR F. ONSUREZ	ED	C 03606 POD1			3 3	3	28	235 28	584810	3570765
C 03659		DOL	0 (	CRUZ ONSUREZ	ED	C 03659 POD1			2 2	4	29	235 28	584599	3571272
C 03831	С	DOM	1 !	MITCHELL BALLARD	ED	C 03831 POD1	NON	Shallow	4 3	1	33	235 286	584939	3569812
C 03852	С	STK	3 1	MITCHELL BALLARD	€D	C 03852 POD1	NON		2 1	3	33	235 28	584952	3569766
C 04202	С	DOM	1 (	BLAKELY CONSTRUCTION CO	ED	C 04202 POD1			4 4	4	28	235 28	585061	3570649

Record Count: 22

PLSS Search:

Section(s): 28, 29, 32, 33 Township: 23S Range: 28E

Sorted by: File Number

NM OSE records indicate several water wells located within one mile of the proposed SWD. Samples will be taken as available as many of the wells are on private property and not readily accessible. One well has been samples and Solaris field personnel are working to acquire other well samples. Analyses will be forwarded when received.

### C-108 ITEM XI - WATER WELLS IN AOR

Blackmon SWD (Proposed) Water Well Locator Map



NM OSE records indicate several water wells located within one mile of the proposed SWD. There are 18 PODs and 16 well spots. Samples will be taken as available as many of the wells are on private property and not readily accessible. One well has been samples and Solaris field personnel are working to acquire other well samples. Analyses will be forwarded when received.

### C-108 ITEM XI - WATER WELLS IN AOR

### Depth to Ground Water



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced. O=orphaned.

closed)

C=the file is (quar

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

	POD												
	Sub-		_	Q	-	_	_	_					Water
POD Number	Code basin	County	64	15	4	Sec	Tws	Rng	X	Y	Well	Water	Column
C 00108	CUB	ED	1	1	4	29	23S	28E	583974	3571285* 🥌	152	10	142
C 00481	С	ED	3	2	1	33	23S	28E	585182	3570283* 🥌	225	190	35
C_00519	С	ED	2	1	1	28	23\$	28E	584970	3572100* 🥪	250		
C 014/2	С	ED	2	3	2	28	23S	28E	585730	3571652 🦤	162	10	152
C 01648	С	ED		2	3	29	238	28E	583667	3571184* 🥌	65	15	50
C 01938	С	ED		2	4	28	23S	28E	586085	3571205* 🦤	80	3	77
C 02037	С	ED		2	3	29	23S	28E	583667	3571184* 🥌	260		
C 03831 PQD1		ED	4	3	1	33	238	28E	584939	3569812 🥌	300	52	248

Average Depth to Water: 46 feet

Minimum Depth:

3 feet

Maximum Depth: 190 feet

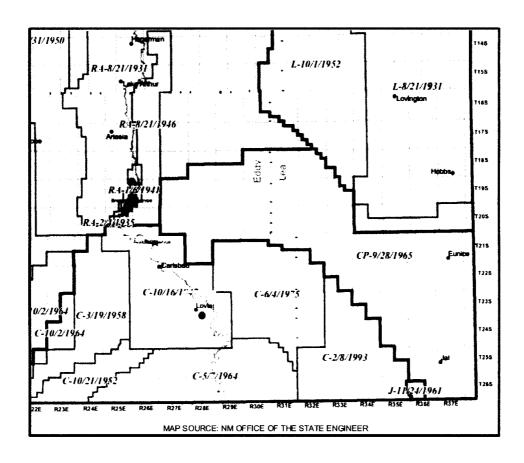
### **Record Count: 8**

PLSS Search:

Section(s): 28, 29, 32, 33 Township: 23S Range: 28E

### C-108 - Item XI

Groundwater Basins - Water Column / Depth to Groundwater



The subject well is located within the Carlsbad Basin.

Fresh water in the area is generally available from valley and basin fill of the Carlsbad-Pecos segment of the lower Pecos Valley complex of Quaternary alluvial sand and gravel deposits. State Engineer's records show water wells in the area with a depth to groundwater of 3 to 190 feet with an average depth to groundwater of 46 feet.

There are several water wells located within one mile of the proposed SWD; samples are being acquired and analyses will be forwarded upon receipt.



### C-108 ITEM XII - GEOLOGIC AFFIRMATION

We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.

Ben Stone, Partner SOS Consulting, LLC

Project: Solaris Water Midstream, LLC

Blackmon SWD No.1 Reviewed 2/23/2018

### C-108 ITEM XIII - PROOF OF NOTIFICATION

### **IDENTIFICATION AND NOTIFICATION OF INTERESTED PARTIES**

### **Exhibits for Section**

Leasehold Plat

**List of Interested Parties** 

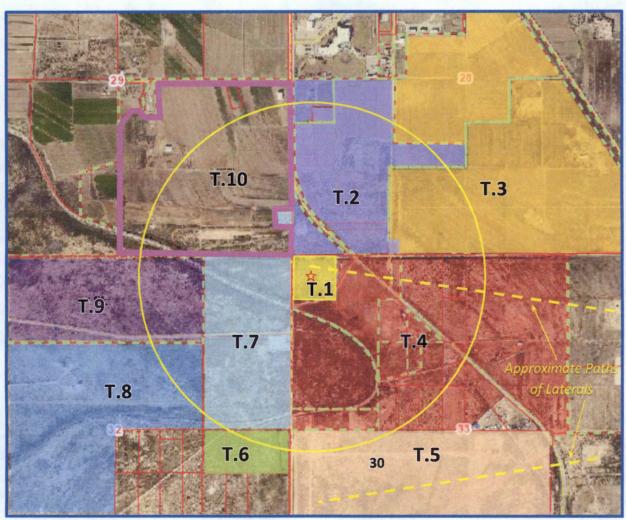
**Notification Letter to Interested Parties** 

**Proof of Certified Mailing** 

**Published Legal Notice** 

### Blackmon SWD Well No.1 - Affected Parties Plat

(Attachment to NMOCD Form C-108, Application for Authority to Inject.)





### -LEGEND-

T.1 - Private - Matador Production Company

T.2 - Private - Tierra Oil Company

T.3 - Private - Mewbourne Oil Company

T.4 - Private - Matador Production Company

T.5 - Private - OGX Resources, LLC

T.6 - Private - Mewbourne Oil Company

T.7 - Private - BTA Oil Producers

T.8 - VA-0806-0002 - BTA Oil Producers

T.9 - NMNM-100335 - Steve Sell

T.10 - Private - Unleased

# C-108 ITEM XIII – PROOF OF NOTIFICATION INTERESTED PARTIES LIST

SOS Consulting is providing electronic delivery of C-108 applications.

ALL APPLICABLE AFFECTED PARTIES ARE PROVIDED A LINK IN THE NOTICE LETTER

TO A SECURE SOS/ CITRIX SHAREFILE® SITE TO VIEW AND DOWNLOAD

A FULL COPY OF THE SUBJECT C-108 APPLICATION IN PDF FORMAT.

"AFFECTED PERSON" MEANS THE DIVISION DESIGNATED OPERATOR; IN THE ABSENCE OF AN OPERATOR, A LESSEE WHOSE INTEREST IS EVIDENCE BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILES THE APPLICATION; OR IN THE ABSENCE OF AN OPERATOR OR LESSEE, A MINERAL INTEREST OWNER WHOSE INTEREST IS EVIDENCED BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILED THE APPLICATION FOR PERMIT TO INJECT.; PER OCD RULES NMAC 19.15.26.7, A. AND 19.15.26.8, B.2.

### SURFACE OWNER

JOHN E. and SUSAN D. BLACKMON 3501 Bonniebrook Dr. Plano, TX 75075 Certified: 7015 0640 0006 8756 1484

### OFFSET MINERALS LESSEES (or OWNERS) and OPERATORS (Notified via USPS Certified Mail)

### Private Lease (T.1 and T.4 on Affected Parties Plat)

Lessee

2 MATADOR PRODUCTION COMPANY One Lincoln Center 5400 LBJ Freeway, Ste.1500 Dallas, TX 75240 Certified: 7015 0640 0006 8756 1514

### Private Leases (T.2 on Affected Parties Plat)

Lessse

TIERRA OIL COMPANY P.O. Box 1948 Santa Fe, NM, 87504 Certified: 7015 0640 0006 8756 1521

### Private Lease (T.3 and T.6 on Affected Parties Plat)

Lessee

MEWBOURNE OIL COMPANY P.O. Box 7698 Tyler, TX 75711 Certified: 7015 0640 0006 8756 1538

### Private Lease (T.5 on Affected Parties Plat)

Lessee

OGX RESOURCES, LLC P.O. Box 2064 Midland, TX 79702 Certified: 7015 0640 0006 8756 1545

# C-108 ITEM XIII - PROOF OF NOTIFICATION INTERESTED PARTIES LIST (cont.)

### Private Lease and State Lease VA-0806-0002 (T.7 and T.8 on Affected Parties Plat) Lessee

BTA OIL PRODUCERS, LLC
 104 South Pecos St.
 Midland, TX 79701
 Certified: 7015 0640 0006 8756 1552

### BLM Lease NM NM-100335 (T.9 on Affected Parties Plat)

Lessee

STEVE SELL
 P.O. Box 5061
 Midland, TX 79704
 Certified: 7015 0640 0006 8756 1569

### <u>Private – Unleased (T.10 on Affected Parties Plat)</u> <u>Mineral Owners</u>

NELVA MAXINE BALL 116 Wildwood Dr.

Texarkana, TX 75503

Certified: 7015 0640 0006 8756 1576

9 ROBERT JOE BALL 4052 Tamarisk Las Cruces, NM Certified: 7015 0640 0006 8756 1583

10 W.E. BALL
P.O. Box 7571
Amarillo, TX 79114
Certified: 7015 0640 0006 8756 1590

11 RUTH ANNETTE FLYNN 4922 Anteau Rd. Newport MI Certified: 7015 0640 0006 8756 1606

> BTA OIL PRODUCERS, LLC 104 South Pecos St., Midland, TX 79701

JLK TRUST
Joseph Kenzora and Paula Kenzora, Trustees
2434 Hermitage Hill Ln.
Frontenac, MO 63131
Certified: 7015 0640 0006 8756 1613

13 SPRINGBOK ENERGY PARTNERS II, LLC 5950 Berkshire Ln., Suite 1250 Dallas, TX 75225 Certified: 7015 0640 0006 8756 1620

14 FEATHERSTONE DEVELOPMENT CORP. P.O. Box 429 Roswell, NM 88202 Certified: 7015 0640 0006 8756 1637

15 SILVER SPUR RESOURCES, LLC P.O. Box 92761 Southlake, TX 76092 Certified: 7015 0640 0006 8756 1644

# C-108 ITEM XIII - PROOF OF NOTIFICATION INTERESTED PARTIES LIST (cont.)

### **OFFSET MINERALS OWNERS**

- U.S. DEPARTMENT OF INTERIOR (Notified via USPS Certified Mail)
   Bureau of Land Management
   Oil & Gas Division
   620 E. Greene St.
   Carlsbad, NM 88220
   Certified: 7015 0640 0006 8756 1651
- 17 STATE OF NEW MEXICO
  Oil, Gas and Minerals Division
  310 Old Santa Fe Trail
  Santa Fe, NM 87504
  Certified: 7015 0640 0006 8756 1668

### REGULATORY

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed original and copy) 1220 S. St. Francis Dr. Santa Fe, NM 87505

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed copy) 811 S. First St. Artesia, NM 88210



March 23, 2018

# NOTIFICATION TO INTERESTED PARTIES via U.S. Certified Mail – Return Receipt Requested

To Whom It May Concern:

Solaris Water Midstream, LLC, Midland, Texas, has made application to the New Mexico Oil Conservation Division to drill and complete for salt water disposal the Blackmon SWD Well No.1. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is located in Section 33, Township 23 South, Range 28 East in Eddy County, New Mexico.

The published notice states that the interval will be from 13,925 feet to 14,920 feet into the Devonian, Silurian and Fusselman formations.

Following is the notice published in the Artesia Daily Press, Artesia, New Mexico on or about February 23, 2018.

### **LEGAL NOTICE**

Solaris Water Midstream, LLC, 701 Tradewinds Blvd., Suite C, Midland, TX 79706, is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Blackmon SWD No.1, will be located 285' FNL and 298' FWL, Section 33, Township 23 South, Range 28 East, Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Devonian, Silurian and Fusselman formations at a depth of 13,925' to 14,920' at a maximum surface pressure of 2785 psi and a rate limited only by such pressure. The proposed SWD well is located approximately 1.2 miles south/ southwest of Loving, NM.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850 or, email info@sosconsulting.us.

You have been identified as a party who may be interested as an offset lessee or operator.

You are entitled to a full copy of the application. A full copy in PDF format is posted on the SOS Consulting **ShareFile** site and is available for immediate download.

Use the URL link: <a href="https://sosconsulting.sharefile.com/d-sdfa9a0d482d45548">https://sosconsulting.sharefile.com/d-sdfa9a0d482d45548</a> (Please Note: The ShareFile service is powered by Citrix Systems and is completely secure.\*)

The link to this file will be active for 30 days from the date of this letter. Your company can access and download the file a maximum of five (5) times. (One copy may be downloaded and shared as needed among your company.)

Alternatively, you may call SOS Consulting, LLC at 903-488-9850, or email info@sosconsulting.us, and the same PDF file copy will be expedited to you via email.

Please use a subject like "Blackmon SWD March 2018 PDF Copy Request".

Thank you for your attention in this matter.

Best regards,

Ben Stone, SOS Consulting, LLC

Agent for Solaris Water Midstream, LLC

Cc: Application File

SOS Consulting is committed to providing superior quality work using technology to assist clients and affected parties in obtaining the documentation required. SOS will continue to utilize methods which are less energy and resource intensive including, the reduction of paper copies.

We hope you'll partner with us and appreciate these efforts.

\* You will be asked for your email, name and company.

This will not be used by anyone except keeping track of the file downloads.

You will not be solicited by SOS or anyone else. Data is stored on Citrix Systems servers only.

CITRIX

ShareFile

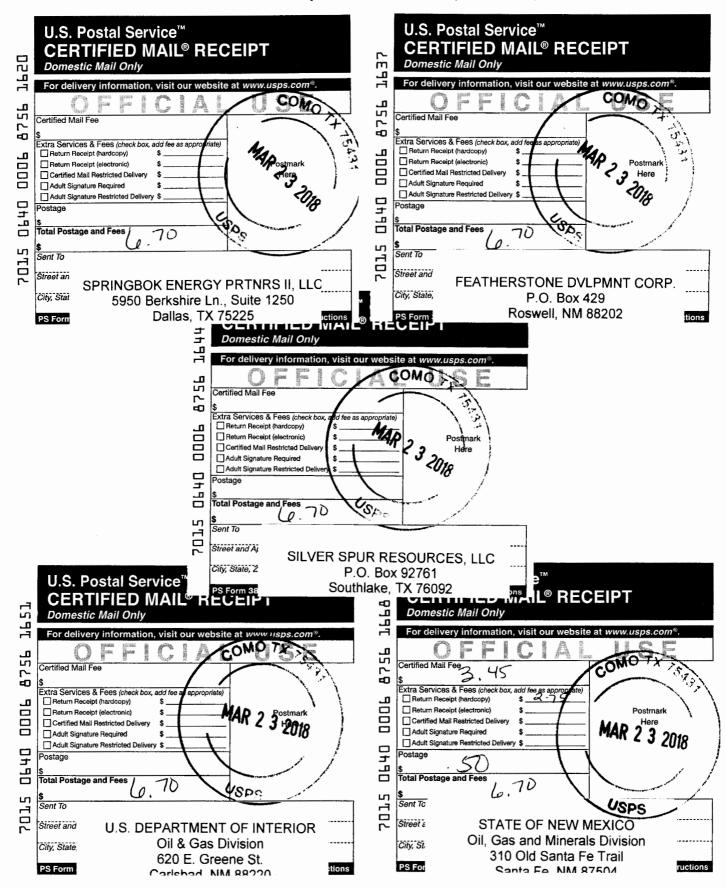
### **C-108 - Item XIV**

Proof of Notice (Certified Mail Receipts)



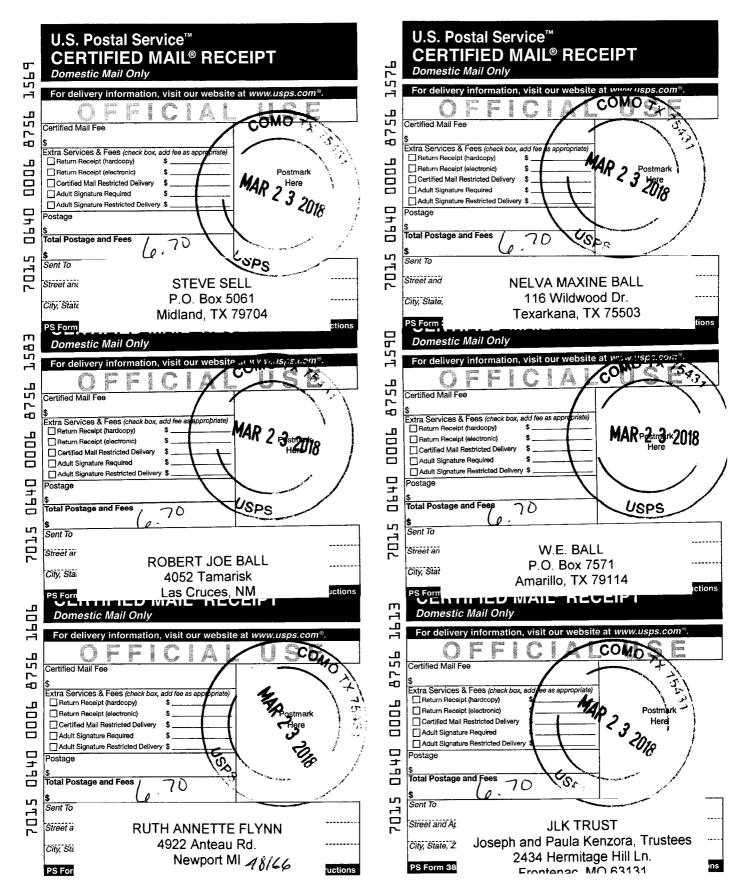
### C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)



### **C-108 - Item XIV**

Proof of Notice (Certified Mail Receipts - cont.)



Aifidavit	of Pub	lication
	No.	24580
State of New Mexico		/
County of Eddy:	1	
Danny Scott	ns De	300
being duly : sworn sayes	that she is the	Publisher
of the Artesia Daily Pre	ess, a daily newsp	aper of General
circulation, published in	n English at <b>Art</b> es	ia, said county
and state, and that the h	ereto attached	
Lega	ıl Ad	
was published in a regu	ılar and entire iss	ue of the said
Artesia Daily Press, a da	aily newspaper di	ıly qualified
for that purpose within	the meaning of C	hapter 167 of
the 1937 Session Laws	of the state of Ne	ew Mexico for
1 Consecutive	e weeks/day on th	e same
day as follows:		
First Publication	February	23, 2018
Second Publication		
Third Publication		
Fourth Publication		
Fifth Publication		
Sixth Publication		
Seventh Publication		
Subscribed and sworn b	efore me this	
26th day of	February	2018
OFFICIAL Latisha Re	omine	
My commi	UBLIC-STATE OF NEW ission expires: 5/	
•		

Latisha Romine

Notary Public, Eddy County, New Mexico

Konine

### **Copy of Publication:**

### Logal Notice

Solaris Water Midstream, LLC, 701 Tradewinds Blvd. Suite C. Midland, TX 79706 is filing Form C. 108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Blackmon SWD No.1, will be located 285' FNL and 298' FWL, Section 33, Township 23 South, Range 28 East, Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Devonian, Silurian and Fusselman formations at a depth of 13,925' to 14,920' at a maximum surface pressure of 2785 psi and a rate limited only by such pressure. The proposed SWD well is located approximately 1.2 miles south/ southwest of Loving, NM.

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Published in the Artesia Daily Press, Artesia, N.M., Feb. 23, 2018 Legal No. 24580.



J. SCOTT HALL Cell: (505) 670-7362 Email: shall@montand.com

www.montand.com

May 9, 2018

Heather Riley, Director NM Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87501

**HAND-DELIVERED** 

RE:

Application for Administrative Approval of Salt Water Disposal Well:

Solaris Water Midstream, LLC

Blackmon SWD No. 1

NW/4 NW/4 (D) Section 33, Township 23 South, Range 28 East, NMPM

**Eddy County, New Mexico** 

PMAM1808557368

Dear Ms. Riley:

This firm represents NGL Water Solutions Permian, LLC ("NGL"). NGL is the operator of the Striker 3 SWD Well No. 1 (SWD-1690) located in unit P of Section 33, Township 23 South, Range 28 East, approximately 1 mile+ from the proposed Blackmon SWD No. 1. NGL is currently conducting injection operations through its Striker 3 SWD Well No. 1 into the Devonian and Silurian formations through its Striker 3 SWD Well No. 1 at approximately the same stratigraphic equivalent as that proposed to be used by Solaris Water Midstream, LLC.

Please be advised that pursuant to Division Rule 19.15.26.8.D, NGL objects to Solaris Water Midstream, LLC's application. In view of the close proximity of the existing and proposed injection wells, the Director should find that a hearing on the Solaris application is deemed advisable.

> Very truly yours, 1. Scendag

J. Scott Hall Seth C. McMillan

Attorneys for NGL Water Solutions Permian, LLC

cc (via email):

Ben Stone, SOS Consulting, LLC

Joe Vargo, NGL Water Solutions Permian, LLC

ioc (via email): Seth C. McMillan