

RECEIVED: 9/19/2018	REVIEWER:	TYPE: SWD	APP NO: PMAM1810954259
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
 REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: SOLARIS WATER MIDSTREAM, LLC **OGRID Number:** 371643
Well Name: El Gordo SWD No.1 **API:** 30-025-xxxxx
Pool: SWD; Bell Canyon-Cherry Canyon **Pool Code:** 96802

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION
 INDICATED BELOW**

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

- A. ☒ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☒ Application requires published notice
 D. ☒ Notification and/or concurrent approval by SLO
 E. ☒ Notification and/or concurrent approval by BLM
 F. ☒ Surface owner
 G. ☒ For all of the above, proof of notification or publication is attached, and/or,
 H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application
 Content
 Complete

- 3) CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Ben Stone, Agent

Print or Type Name

Signature

4/17/2018

Date

903-488-9850

Phone Number

ben@sosconsulting.us

e-mail Address



Oil & Gas Accounting Regulatory Process Assistance Oil & Gas Technical Assistance

April 17, 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 El Gordo SWD Well No.1, to be located in Section 20, Township 24 South, Range 35 East, NMPM, Lea 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 El Gordo SWD No.1. The target interval is the Bell Canyon and Cherry Canyon portions of the Delaware. The well spot is located in the 2-mile buffer of the area identified by the SWD workgroup as the Delaware Mountain Group Risk Area. Solaris believes the proposed operation will pose a negligible risk to producing operations in the area at the standard pressure gradient of 0.2 psi per foot.

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 ran on April 4, 2018 in the Hobbs News-Sun and all offset operators and other interested parties have been notified individually. The legal notice affidavit is included herein. This application also includes a proposed 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 federal minerals (split estate) with offsetting federal 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,

A handwritten signature in black ink, appearing to read 'Ben Stone', is written over a horizontal line.

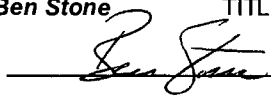
Ben Stone, Partner
SOS Consulting, LLC
Agent for Solaris Water Midstream, LLC

APPLICATION FOR AUTHORIZATION TO INJECT

- I. 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 Wells in the subject AOR which Penetrate the proposed Delaware intervals.*** 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:
1. 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 NO water wells/ PODs within one mile of the proposed salt water disposal well.***
- 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 is 1 offset lessee, operators or mineral owners within ½ mile; offsetting BLM minerals - all have been noticed. Location is Private/ Split.***
- 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: ***4/17/2018***

E-MAIL ADDRESS: ***ben@sosconsulting.us***

* 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 El Gordo SWD No.1

API 30-025-xxxxx

460' FNL & 1931' FWL, SEC. 20-T24S-R35E
LEA COUNTY, NEW MEXICO

SWD; Bell Canyon-Cherry Canyon (96802)

Spud Date (Est): ~6/15/201
Config SWD Dt (Est): ~7/15/2

Annulus Monitored
or open to atmosphere

Injection Pressure Regulated
and Volumes Reported
1078 psi Max. Surface (0.2 psi/ft)

Surface Casing

9.625", 36.0# J-55 STC Csg. (12.25" Hole) @ 810'
275 sx - Circulated to Surface

Solaris Water Midstream, LLC

Drill and set casing as designed w/ all strings cemented to surface.
Perf selected intervals as determined from well logs.
Acidize formation; Run 4.5" injection TBG on PKR set at 5290'.+
Conduct OCD witnessed MIT.
Well ready for injection upon completion of surface facilities.

Annulus Loaded
w/ Inert Packer Fluid

4.5" IC Tubing (or smaller)

PKR ~5290'+

Note: PKR Set 100' Above Final Uppermost Perf Interval.

Production Casing

7.0", 29.0# L-80 Csg. (8.75" Hole) @ 6400'
1st - 75/ 150 sx; 2nd - 500/ 75 sx Circ. To Surf.
DV @ 5350'

Specific Perf Intervals To Be Determined

GROSS
INJECTION
INTERVAL
(5390'-6400')

DTD @ 6400'

Drawn by Ben Stone, 4/02/2018



C-108 - Item VI

Area of Review Well Data

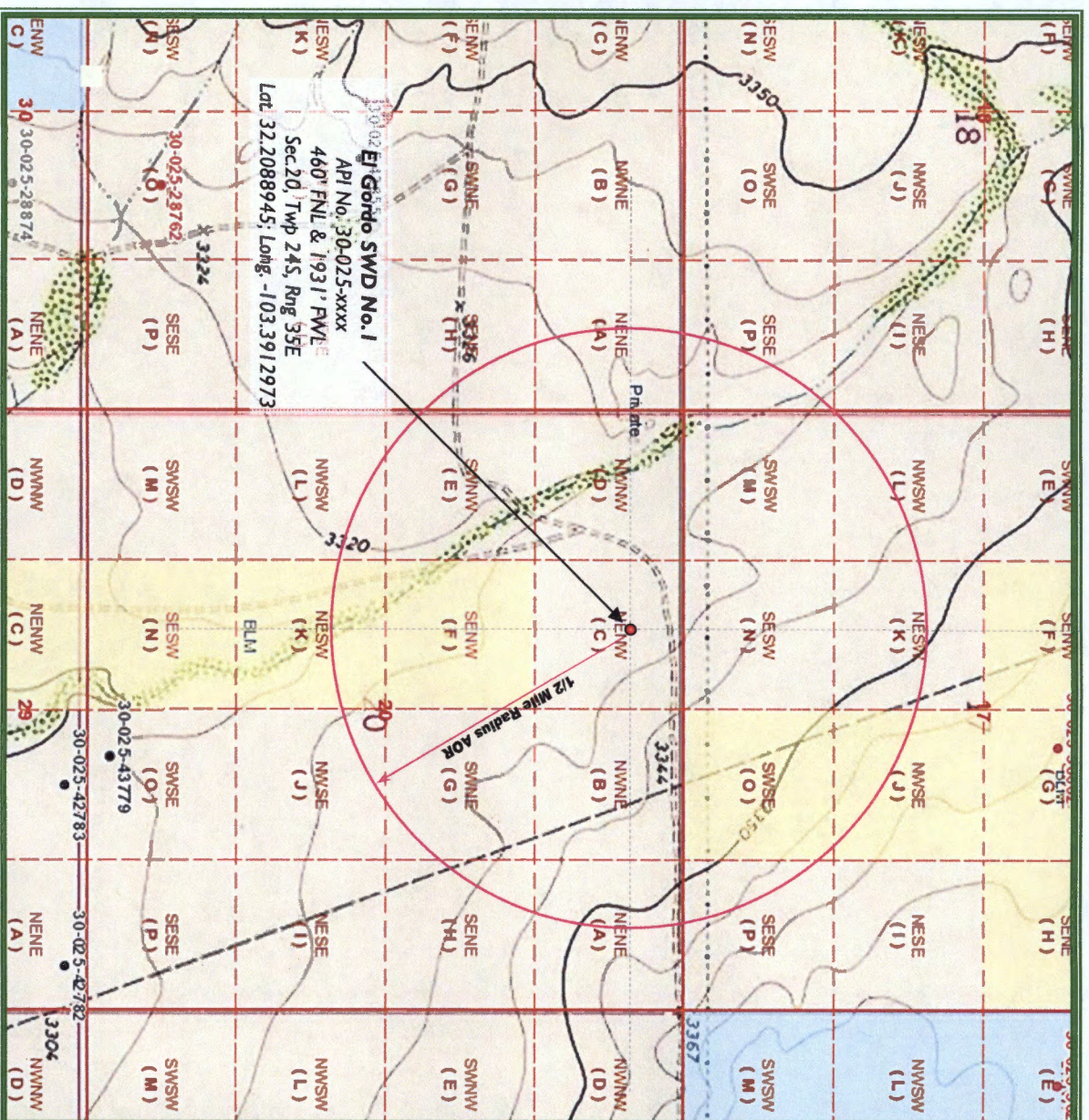
**THERE ARE NO WELLS WHICH PENETRATE THE
PROPOSED DELAWARE FORMATION IN THE
ONE-HALF MILE AREA of REVIEW**

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



El Gordo SWD Well No.1 - Area of Review / Overview Map

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



13.6 miles NW of Jal, NM



Lea County, New Mexico



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

El Gordo 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 SWD may be tied into an existing SWD pipeline and other lines may be permitted and installed in the future.

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 **15,000 bpd and an average of 12,000 bpd** at a maximum surface injection pressure of 1078 psi (.2 psi/ft gradient – maximum pressure will be adjusted if the top of interval is modified after well logs are run). Per OCD rules, Solaris Water Midstream reserves to right to inject at whatever maximum rate may be achieved at the permitted pressure.

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 ANALYSES

Item VII.4 – Water Analysis of Source Zone Water

Bone Spring

Wolfcamp

Item VII.5 – Water Analysis of Disposal Zone Water

Delaware

Water Analyses follow this page.

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

SOURCE ZONE

WOLFCAMP

API No	3001520138	Lab ID	
Well Name	MAHUN STATE 001	Sample ID	5688
		Sample No	
Location	ULSTR 16 22 S 22 E	Lat / Long	32.39340 -104.70979
	1800 N 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	
ph_temp_F		hardness_as_caco3_mgL	
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
iron_mgL		sulfate_mgL	2500
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 - Solaris El Gordo SWD No.1

SOURCE ZONE

BONE SPRING

API No	3002502429	Lab ID	
Well Name	LEA UNIT	Sample ID	4916
	005	Sample No	
Location	ULSTR 12 20 S 34 E	Lat / Long	32.58504 -103.51106
	1980 S 1980 E	County	Lea
Operator (when sampled)			
	Field LEA	Unit	J
Sample Date		Analysis Date	
	Sample Source DST	Depth (if known)	
	Water Type		
ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	202606	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	118100	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	5196
iron_mgL		sulfate_mgL	992
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 - Solaris El Gordo SWD No.1
DISPOSAL ZONE

DELAWARE

API No	3002508367	Lab ID	
		Sample ID	4347
Well Name	BELL LAKE UNIT 007	Sample No	
Location	ULSTR 01 24 S 33 E 660 N 660 E	Lat / Long	32.25143 -103.51924
		County	Lea
Operator (when sampled)			
	Field SWD	Unit	1
Sample Date		Analysis Date	
	Sample Source UNKNOWN	Depth (if known)	
	Water Type		
ph		alkalinity_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 VIII

Geologic Information

Disposal will be into the Bell Canyon and Cherry Canyon formations.

The Delaware is composed predominately of sandstones and shales. All the Delaware members are interbedded, poorly consolidated, light gray sandstones and shales with occasional dense dolomite horizons. The lateral transmissivities of the sandstone beds are highly variable and often forms elective barriers to the movement of hydrocarbons while allowing down-gradient movement of water. The transmissivity variations are fundamentally due to the very-fine grained nature of the sands and the local percentage of silt and clay.

The Bell Canyon in this area is generally 5000' to 6200'. The Cherry Canyon in this area is generally 6300' to 7800'. Production quality porosity in these intervals is accompanied by low resistivity yielding high water saturations.

The Delaware sandstone members are typically overlain and underlain by bounding shale, dolomite and/or silty shale horizons. In this area, the Bell Canyon is overlain by Lamar limestone, anhydrite and salt. The Cherry Canyon is underlain by the Brushy Canyon and then Bone Spring limestone.

Fresh water in the area is generally available from the Santa Rosa formation. State Engineer's records show water wells in the area to have an average depth of 222 feet.

There are NO (0) water wells located within one mile of the proposed SWD.

C-108 ITEM XI – WATER WELLS IN AOR

The NM Office of the State Engineer database indicates there are
NO water wells located within one mile of the proposed well.



New Mexico Office of the State Engineer
Active & Inactive Points of Diversion
(with Ownership Information)

No PODs found.

PLSS Search:

Section(s): 16, 17, 18, 19, Township: 24S Range: 35E
20, 21

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/30/18 9:27 AM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION

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.
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00366 POD1	CP	LE		4	1	1	10	24S	35E	654447	3567834*	1250		
CP 00573	CP	LE		1	4	1	10	24S	35E	654657	3567638*	405	300	105
CP 00839 POD1	CP	LE		4	3	30	24S	35E	650017	3561833*	175			
CP 00842 POD1	CP	LE		2	4	24	24S	35E	658834	3563982*	130			
CP 00845 POD1	CP	LE		1	3	10	24S	35E	654360	3567130*	190			
CP 01056 POD1	CP	LE		4	4	3	02	24S	35E	656465	3568304	5396	4399	997
CP 01057 POD1	CP	LE		4	2	3	02	24S	35E	656464	3568762	5390	4365	1025
CP 01119 POD2	CP	LE		4	23		24S	35E	657210	3564007	1572			
CP 01513 POD1	CP	LE		3	3	1	10	24S	35E	654184	3567350	186		
P 04623 POD4	P	RO		2	2	4	14	24S	35E	653797	3787492	250		

Average Depth to Water: **3021 feet**

Minimum Depth: **300 feet**

Maximum Depth: **4399 feet**

Record Count: 10

PLSS Search:

Township: 24S Range: 35E

Average depth of typical domestic use water well ~222 feet.

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

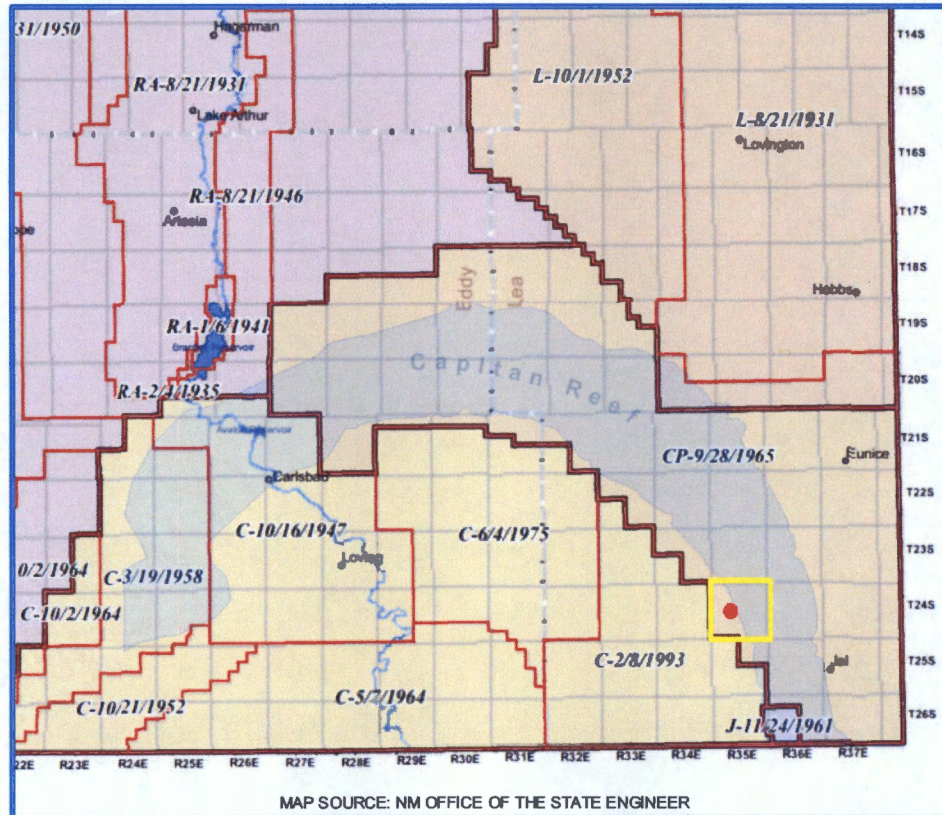
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Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

C-108 - Item XI

Groundwater Basins - Water Column / Depth to Groundwater



The subject well is located in the Capitan Basin, just east of the apparent boundary with the Carlsbad Basin and just inside the basal edge of the Capitan Reef.

Fresh water in the area is generally available from the Santa Rosa and similar aged deposits of the basin. State Engineer's records show water wells in 24S-35E with a average depth of approximately 200 feet.

There are NO (0) water wells located within one mile of the proposed SWD.

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.

A handwritten signature in black ink, appearing to read "Ben Stone", is positioned above a horizontal line.

Ben Stone, Partner
SOS Consulting, LLC

Project: Solaris Water Midstream, LLC
 El Gordo SWD No.1
 Reviewed 4/03/2018

C-108 ITEM XIII – PROOF OF NOTIFICATION

IDENTIFICATION AND NOTIFICATION OF INTERESTED PARTIES

Exhibits for Section

Leasehold Plat

List of Interested Parties

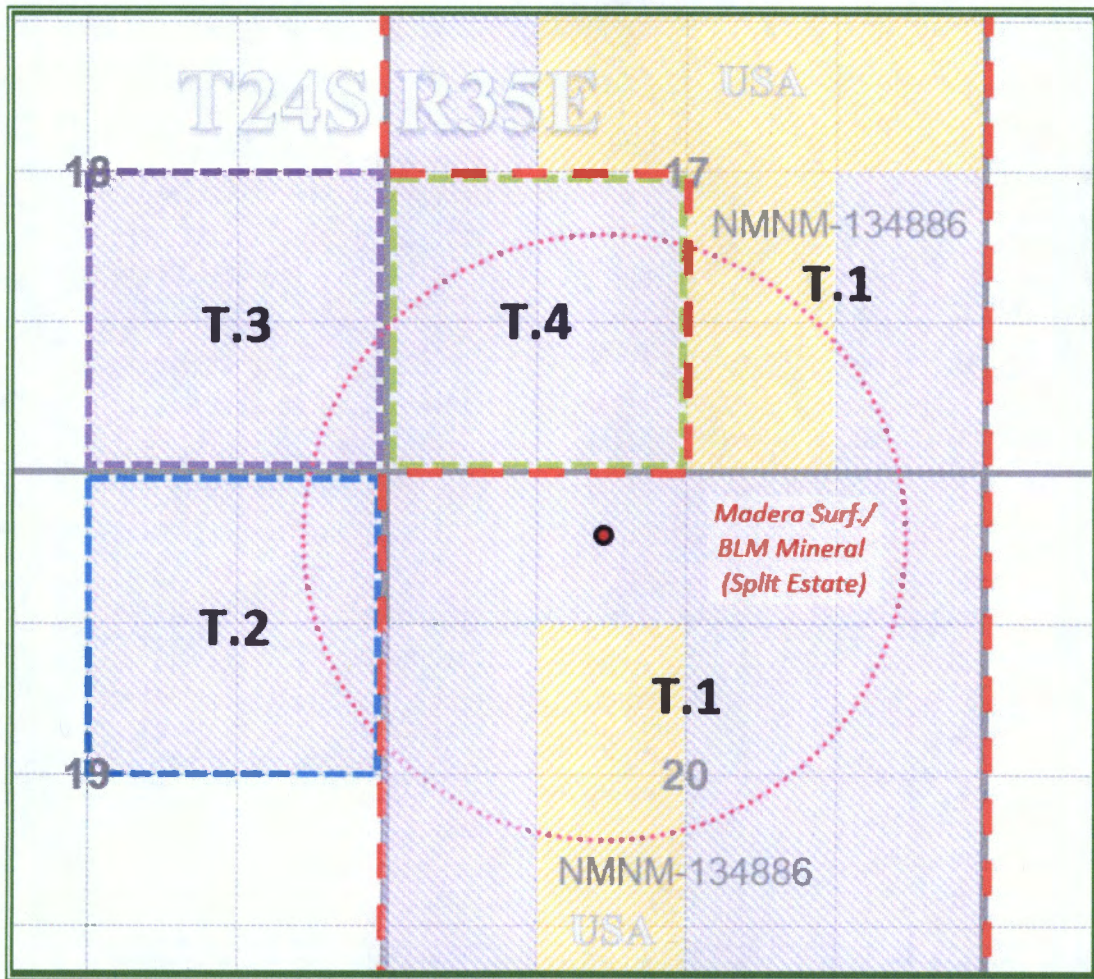
Notification Letter to Interested Parties

Proof of Certified Mailing

Published Legal Notice

El Gordo SWD Well No.1 – Affected Parties Plat

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



LEGEND

- T.1 – NMNM-134886 – COG Operating, LLC
- T.2 – Private – COG Operating, LLC
- T.3 – Private – COG Operating, LLC
- T.4 – Private – COG Operating, LLC.

C-108 ITEM XIII – PROOF OF NOTIFICATION AFFECTED 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 EVIDENCED 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

- 1 **PITCHFORK CATTLE COMPANY, LLC**
Attn: Bert Madera
125 Bellavia Circle
Ruidoso, New Mexico 88252
7015 0640 0006 8756 1682

MINERALS LESSEES (All Notified via USPS Certified Mail)

BLM Lease NMNM-134886; (T.1 on plat.)

Lessee

- 2 **COG OPERATING, LLC**
2208 W. Main Street
Artesia, New Mexico 88210-3720
7015 0640 0006 8756 1699

Private Leases (T.2, T.3, T.4 on plat.)

Lessee

COG OPERATING, LLC
2208 W. Main Street
Artesia, New Mexico 88210-3720

MINERALS OWNER (Notified via USPS Certified Mail)

- 3 **U.S. DEPARTMENT OF INTERIOR**
Bureau of Land Management
Oil & Gas Division
620 E. Greene St.
Carlsbad, NM 88220
7015 0640 0006 8756 1675

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)
1625 S. French Drive
Hobbs, NM 88240



April 17, 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 El Gordo 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 20, Township 24 South, Range 35 East in Lea County, New Mexico.

The published notice states that the interval will be from 5390 feet to 7700 feet into the Bell Canyon and Cherry Canyon formations.

Following is the notice published in the Hobbs News-Sun, Hobbs, New Mexico on or about April 4, 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 El Gordo SWD No.1, is located 460' FNL and 1931' FWL, Section 20, Township 24 South, Range 35 East, Lea County, New Mexico. Produced water from area production will be commercially disposed into the Bell Canyon and Cherry Canyon formations at a depth of 5390' to 7700' at a maximum surface pressure of 1078 psi and a rate limited only by such pressure. The proposed SWD well is located approximately 13.6 miles northwest of Jal, 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: <https://sosconsulting.sharefile.com/d-sac414469f7f4cb48>
(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 "**El Gordo SWD April 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)

2015 0640 0006 8756 1682

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Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Total Postage and Fees \$ 6.70

Sent To

Street Address PITCHFORK CATTLE COMPANY, LLC

City, State, Zip Attn: Bert Madera
125 Bellavia Circle
Ruidoso, New Mexico 88252

PS Form 3849, October 2010

Postmark Here
COMO TX 75437
APR 17 2018

2015 0640 0006 8756 1692

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Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Total Postage and Fees \$ 6.70

Sent To

Street Address COG OPERATING, LLC

City, State, Zip 2208 W. Main Street
Artesia, New Mexico 88210-3720

PS Form 3849, October 2010

Postmark Here
COMO TX 75437
APR 17 2018

2015 0640 0006 8756 1675

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OFFICIAL USE

Certified Mail Fee \$ 3.45

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ 2.75
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$ 50

Total Postage and Fees \$ 6.70

Sent To

Street Address U.S. DEPARTMENT OF INTERIOR

City, State, Zip Oil & Gas Division
620 E. Greene St.
Carlsbad, NM 88220

PS Form 3849, October 2010

Postmark Here
COMO TX 75437
APR 17 2018

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts)

2015 0640 0006 8756 1682 1691 9528

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For delivery information, visit our website at www.usps.com®.

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Total Postage and Fees \$ 6.70

Sent To

Street PITCHFORK CATTLE COMPANY, LLC

City, St. Attn: Bert Madera

PS For Ruidoso, New Mexico 88252

Postmark Here

COMO TX 75431

APR 17 2018

2015 0640 0006 8756 1699 1691 9528

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Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

Total Postage and Fees \$ 6.70

Sent To

Street COG OPERATING, LLC

City, St. 2208 W. Main Street

PS For Artesia, New Mexico 88210-3720

Postmark Here

COMO TX 75431

APR 17 2018

2015 0640 0006 8756 1675 1691 9528

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Certified Mail Fee \$ 3.45

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<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$ 2.75

Total Postage and Fees \$ 6.70

Sent To

Street U.S. DEPARTMENT OF INTERIOR

City, St. Oil & Gas Division

PS For Carlsbad, NM 88220

Postmark Here

COMO TX 75431

APR 17 2018

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

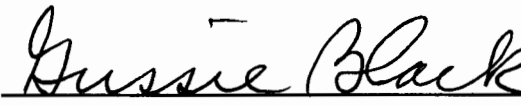
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
April 04, 2018
and ending with the issue dated
April 04, 2018.



Publisher

Sworn and subscribed to before me this
4th day of April 2018.



Business Manager

My commission expires

January 20, 2019

(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
Commission Expires 1-29-19

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE

LEGAL NOTICE
April 4, 2018

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67104420

00209566

BEN STONE
SOS CONSULTING, LLC.
P.O. BOX 300
COMO, TX 75431

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44665	² Pool Code 98098	³ Pool Name WC-025 G-09 5243532M; WOLFBONE
⁴ Property Code 321168	⁵ Property Name BLUEBERRY HILL FEE 24-35-19 WXY	⁶ Well Number 4H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3337'

" Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	19	24S	35E		2416	NORTH	1316	EAST	LEA

" Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
B	18	24S	35E		150	NORTH	1322	EAST	LEA

¹¹ Dedicated Acres	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ Order No.
480.00			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>SECTION 12 SECTION 13</p> <p>LAST TAKE POINT/BOTTOM HOLE LOCATION 150' FNL 1322' FEL SECTION 18 NAD 83, SPCS NM EAST X:829233.76' / Y:446607.12' LAT:32.22437055N / LON:103.40234347W NAD 27, SPCS NM EAST X:788048.74' / Y:446548.02' LAT:32.22424522N / LON:103.40187166W</p> <p>FIRST TAKE POINT 2498' FNL 1318' FEL SECTION 19 NAD 83, SPCS NM EAST X:829306.70' / Y:438986.31' LAT:32.20342266N / LON:103.4023107W NAD 27, SPCS NM EAST X:788121.34' / Y:438927.41' LAT:32.20329722N / LON:103.40185047W</p> <p>SURFACE HOLE LOCATION 2416' FNL 1316' FEL SECTION 19 NAD 83, SPCS NM EAST X:829308.18' / Y:439067.81' LAT:32.20364666N / LON:103.40231403W NAD 27, SPCS NM EAST X:788122.82' / Y:439008.91' LAT:32.20352110N / LON:103.40184342W</p> <p>CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 446745.98' / X: 827909.13' B - Y: 446768.25' / X: 830555.18' C - Y: 438848.31' / X: 830624.22' D - Y: 438824.22' / X: 827980.29'</p>			
<p>SECTION 7 SECTION 18</p> <p>BHL LAST TAKE POINT</p> <p>FIRST TAKE POINT</p> <p>CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 446686.88' / X: 786724.15' B - Y: 446709.13' / X: 789370.13' C - Y: 438789.40' / X: 789438.83' D - Y: 438765.34' / X: 786794.95'</p>			
<p>SECTION 8 SECTION 17</p>			
<p>SECTION 13 SECTION 24</p>			
<p>SECTION 18 SECTION 19</p>			
<p>SECTION 17 SECTION 20</p>			
<p>SECTION 24 SECTION 25</p>			
<p>SECTION 19 SECTION 30</p>			
<p>SECTION 20 SECTION 29</p>			

" OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *[Signature]* Date: 03/26/2018
Melissa Szudera
Printed Name
mszudera@marathonoil.com
E-mail Address

" SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MARCH 08, 2018
Date of Survey
Signature and Seal of Professional Surveyor: *[Signature]*
LLOYD P. SHORT
Certificate Number: 27653

2	03/02/2018	CAP
REV.	DATE	BY