

RECEIVED: 3/28/2018	REVIEWER:	TYPE: SWD	APP NO: PMA 46088546 59
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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: Judah Oil, LLC	OGRID Number: 245872
Well Name: Mile Marker 5 State SWD #1	API: 30-015-pending- 44818
Pool: SWD: Devonian-Montoya	Pool Code: 97K03

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

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- 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.

James B. Campanella

Print or Type Name

Signature

Date

575-748-5488

Phone Number

jbc@judahoil.com

e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance ☒ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No
- II. OPERATOR: Judah Oil, LLC OGRID 245872
ADDRESS: P.O. Box 568, Artesia, New Mexico 88211
CONTACT PARTY: James B. Campanella PHONE: 575-748-5488
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes ☒ No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map 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. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data 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. Attach appropriate geologic data on the injection zone 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. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- 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: Danny J. Holcomb TITLE: Agent for Judah Oil, LLC

SIGNATURE:  DATE: 3/15/2018

E-MAIL ADDRESS: danny@pwlcc.net

- * 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: _____

**Judah Oil, LLC
Mile Marker 5 State SWD #1
API # 30-015-pending
660' FNL x 2310' FWL
Unit Letter 'C', Section 10, T26S, R28E
Eddy County, New Mexico
C-108 Application for Authorization to Inject**

I.

The purpose of this application is seeking administrative approval for injection authorization in a new commercial salt water disposal well to be drilled. The well name is the Mile Marker 5 State SWD #1 in the Devonian - Montoya Formations through open-hole completion between 14490' – 15400' (top of Devonian to base of Montoya based on logs).

II.

Operator: Judah Oil, LLC
Address: P.O. Box 568, Artesia, New Mexico 88211
Contact Party: James Campanella 575-748-5488 email: jbc@judahoil.com

III.

Well Name: Mile Marker 5 State SWD #1
API Number: 30-015-pending (APD approval pending - OCD District 2 Office)
Location: Unit Letter 'C', Section 10, T26S, R28E, Eddy County, New Mexico
Operator: Judah Oil, LLC OGRID: 245872
Proposed Formation: SWD; Devonian - Montoya (Pool Code: 97803)
Please see Exhibit "A" for additional well data.

IV.

This is not an expansion of an existing project.

V.

Please see Exhibit "B" for lease map.

VI.

There are four offset wells with surface hole locations located within the 0.5 mile Area of Review. These offsets wells do not penetrate the proposed disposal interval. In addition, there are five offset wells with surface hole locations outside the AOR, but with horizontal laterals located within the AOR. These offsets wells do not penetrate the proposed disposal interval. See AOR map and a list of offset wells in Exhibit "C".

VII.

1. Anticipated disposal volume – 20,000 BWPD with a maximum of 25,000 BWPD.
2. System will be closed. It will include a central tank battery and pump with water trucked in.
3. Anticipated disposal pressure: Average 2000 psig, Maximum 2898 psig.
4. Disposed fluid will be trucked in from producing wells in the immediate area. Please see Exhibit "D" for fluid analysis from area wells.
5. Please see Exhibit "D" for disposal zone fluid analysis.

Judah Oil, LLC
Mile Marker 5 State SWD #1
API # 30-015-44818
660' FNL x 2310' FWL
Unit Letter 'C', Section 10, T26S, R28E
Eddy County, New Mexico
C-108 Application for Authorization to Inject

"1 mile AOR"
revised w/o

VIII.

Formation	Anticipated Depth (ft)	Lithology
Quaternary	0 - 490	Unconsolidated gravel, sand, red beds
T. Anhydrite	490	Anhydrite
T. Salt	1580	Salt, anhydrite
B. Salt	2380	Salt, anhydrite
T. Miss	14100	Limestone
T. Devonian	14490	Dolomite, limestone, chert
T. Montoya	15090	Dolomite, chert
Proposed disposal zone	14490 - 15400 15190	Dolomite, chert

woodford
to be
confining
layer

The proposed well is not located within the R-111-P Potash District. The closest possible underground source of drinking water above the proposed disposal zone is in the Rustler formation. The top of the Salado formation is estimated at a depth of 1580'. No underground source of drinking water is known to exist below the proposed disposal zone.

IX.

Proposed Completion Procedure: After setting the 7-5/8" liner, drill out open hole with a 6-1/4" bit to TD of 15400' (or base of Montoya). Attempt to swab any available insitu formation water and obtain sample. If results are favorable, perform a pump-in test to establish initial injection rate. If pump-in test results are favorable, no initial stimulation is planned. If pump-in test results are unfavorable, an acid job will be pumped. A 5-1/2" OD 20# HCP-110 internally Duo-Lined injection tubing and nickel plated packer will be run. Packer will be set a maximum of 100' above the injection interval.

X.

Copies of any logs and mud logs performed will be submitted after completion.

XI.

NM OSE records and a field inspection indicate that are 2 fresh water wells located within the 1 mile Area of Review. See Exhibit "E" for OSE data base query, an AOR map and water test results.

XII.

Available geological and engineering data have been examined and no evidence of open faults or hydrological connection between the proposed disposal zone and any underground sources of drinking water has been found.

XIII.

Please see Exhibit "F" for Proof of Notice. Included is a map of the Area of Review, list of noticees and certified mail electronic signature receipts for noticees. The original affidavit of publication from the Artesia Daily Press for the required public notice is attached under separate cover.

Danny J. Holcomb

Agent for Judah Oil, LLC

Date: 3/15/2018

"1-mile Area"

Judah Oil, LLC
Mile Marker 5 State SWD #1
API # 30-015-88414
660' FNL x 2310' FWL
Unit Letter 'C', Section 10, T26S, R28E
Eddy County, New Mexico
Well Data

Propose to drill a salt water disposal well in the Devonian - Montoya formations.

Drill 26" hole to 490', run 20" 94# J-55 surface casing to 515' (min 25' into the Rustler Anhydrite), cement with 880 sacks cement. Circulate cement to surface.

Drill 17-1/2" hole to 2510', run 13-3/8" 61# J-55 intermediate casing to 2510', cement with 1500 sacks cement. Circulate cement to surface.

Drill 12-1/4" hole to 9440', run 9-5/8" 43.5/47# HCL-80 production casing to 9440' with DV tools at 6100' and 2600', cement in 3 stages with 2062 sacks cement. Circulate cement to surface.

Drill 8-1/2" hole to 14540', run 7-5/8" 33.7# HCP-110 liner from 9100' to 14,540', cement with 550 sacks cement. TOC at ~9100'.

Drill 6-1/4" open-hole to approximately ~~15,400' TD or base of Montoya~~, circulate hole clean, log.

Run 5-1/2" 20# HCP-110 internally Duo-Lined injection tubing, set packer at 14510'.

No initial stimulation planned. Perform pump in test to evaluation formation for disposal.

Formation Tops	Anticipated Depths (ft)
Rustler	490
Salado	1580
Bell Canyon	2510
Bone Spring	6265
Wolfcamp	9215
Atoka	12160
Morrow	14000
Devonian	14490
Montoya	15090
Simpson	15500
Proposed Disposal Zone	14490 - 15400

← Silurian included in notice

15090' + 100'

Flower Draw
2 SWD #1
[30-015-23615]
- 14787 -
Woodford Sh
- 14930 -
Devonian
(+ Silurian)
- TD 15900
(OH
14936' - 15900'
964')

EXHIBIT "A"

PROPOSED WELLBORE (DRILLING)

"1-mile Aop"

New Drill
Judah Oil, LLC
Mile Marker 5 State SWD #1
API # 30-015-44818
660' FNL x 2310' FWL, UL 'C', Sec 10, T26S, R28E, Eddy County, NM

All Depths KB
KB 3020'
GL 2993'

T. Rustler 490'

T. Salt 1580'

B. Salt 2380'

T. Bell Cyn 2510'

DV/ECP Tool #2 @ 2600'

DV/ECP Tool #1 @ 6100'

T. Bone Spring 6265'

T. Wolfcamp 9215'

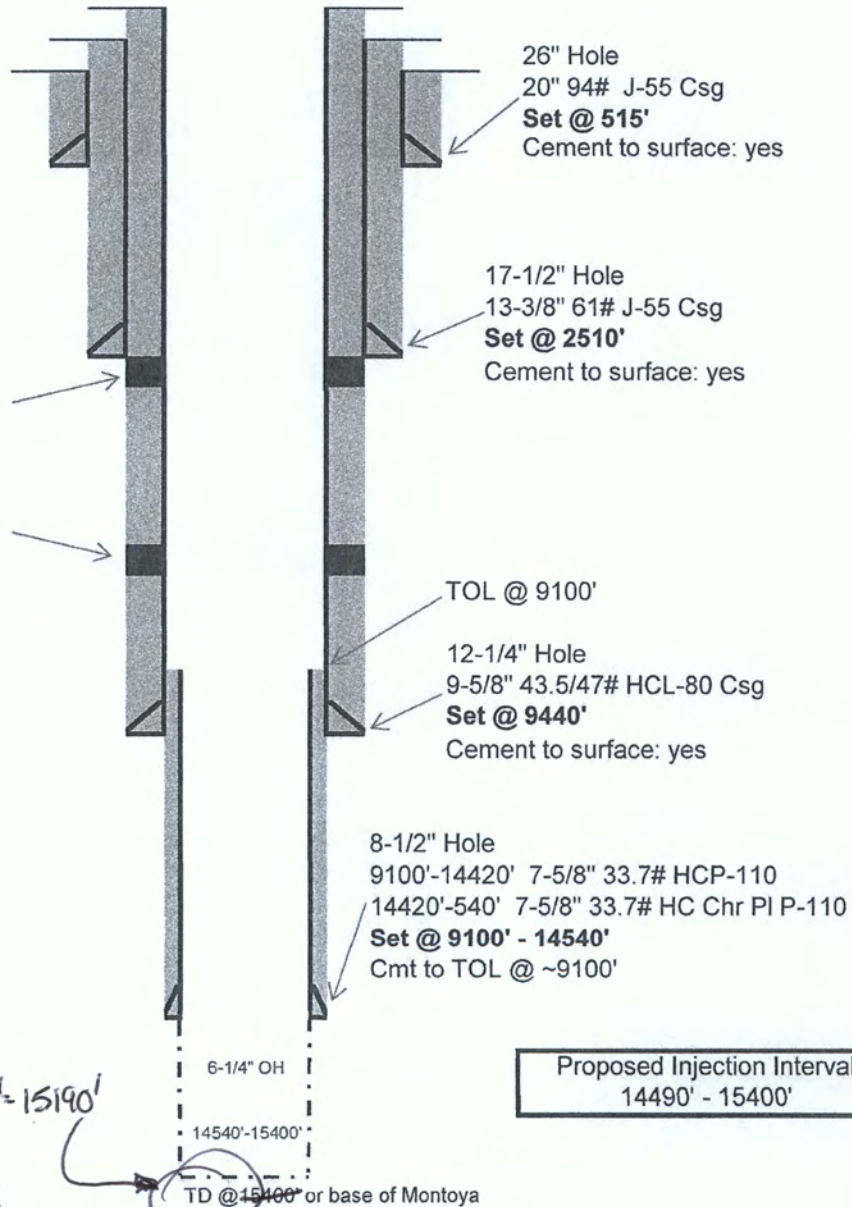
T. Atoka 12160'

T. Morrow 14000'

T. Devonian 14490'

T. Montoya 15090' + 100' = 15190'

Formation tops estimated
pending logs



Drawing Not to Scale

EXHIBIT "A"

"1 mile AOR"
Revised WBO

PROPOSED WELLBORE Configured for SWD Service

Judah Oil, LLC
Mile Marker 5 State SWD #1
API # 30-015-44818

660' FNL x 2310' FWL, UL 'C', Sec 10, T26S, R28E, Eddy County, NM

All Depths KB
KB 3020'
GL 2993'

T. Rustler 490'

T. Salt 1580'

B. Salt 2380'

T. Bell Cyn 2510'

DV/ECP Tool #2 @ 2600'

DV/ECP Tool #1 @ 6100'

T. Bone Spring 6265'

T. Wolfcamp 9215'

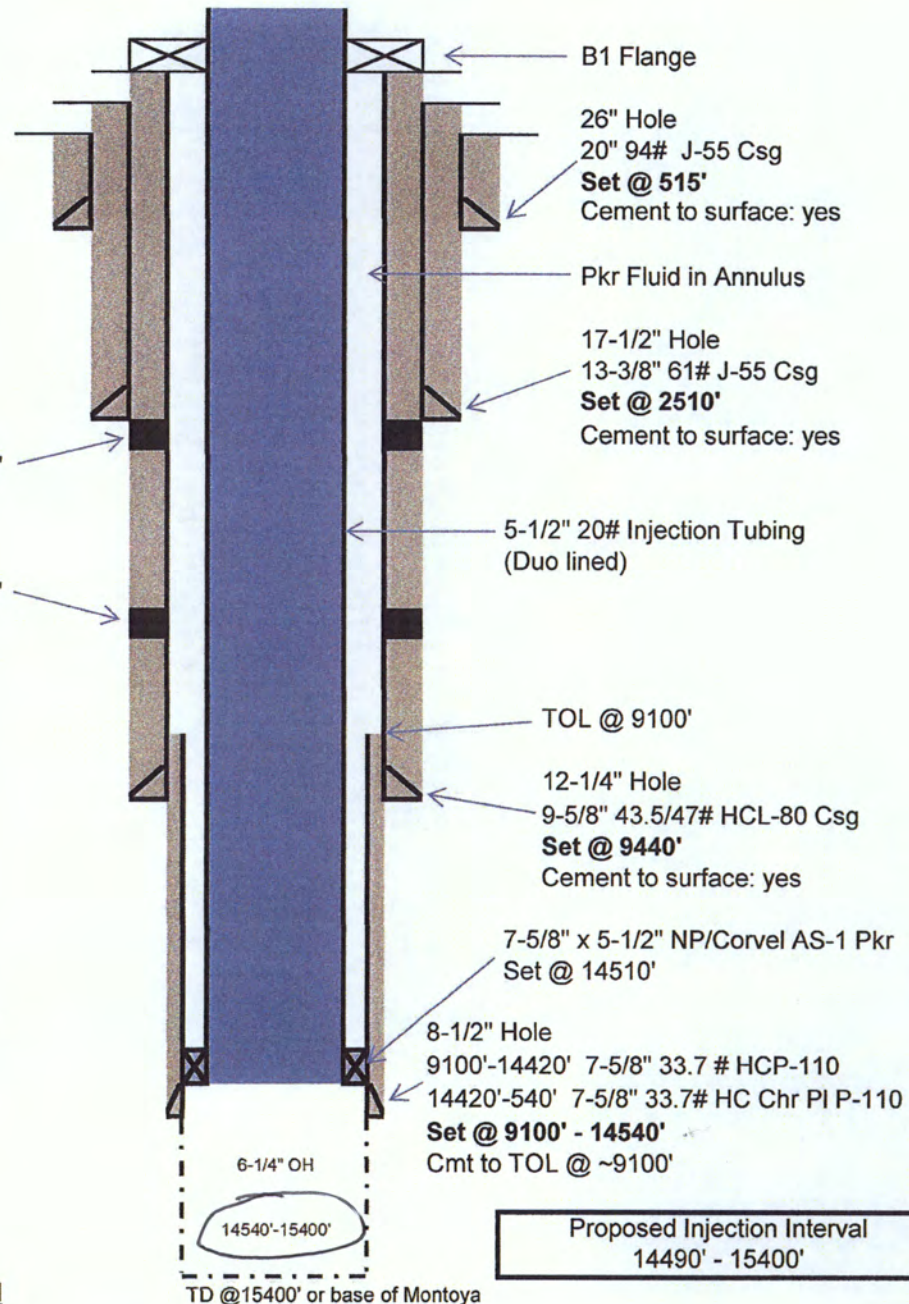
T. Atoka 12160'

T. Morrow 14000'

T. Devonian 14490'

T. Montoya 15090'

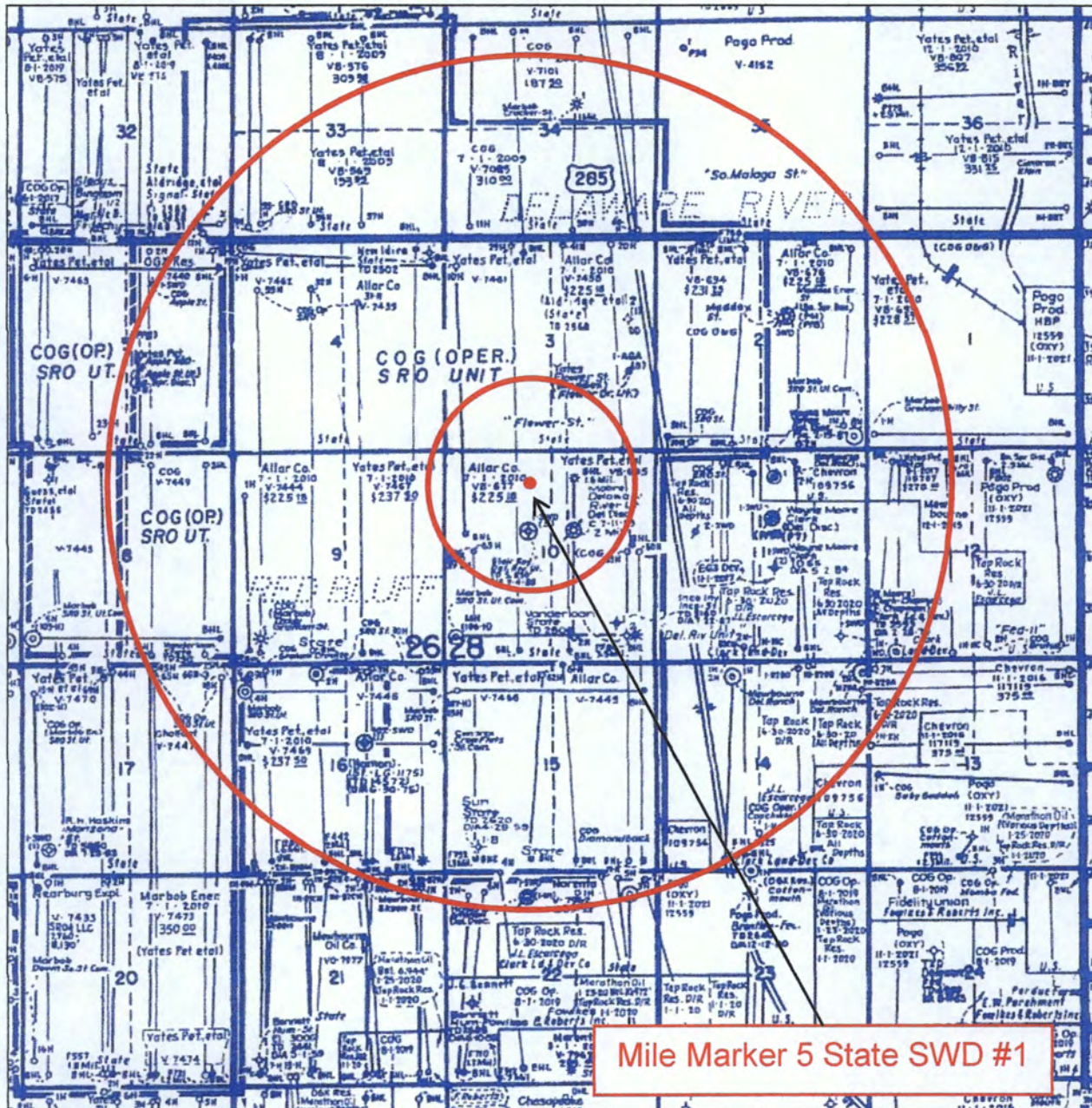
Formation tops estimated
pending logs



Drawing Not to Scale

EXHIBIT "A"

Judah Oil, LLC
Mile Marker 5 State SWD #1
API # 30-015-pending
660' FNL X 2310' FWL
UL 'C', Sec 10, T26S, R28E
Eddy County, New Mexico
Lease Map - 0.5 Mile and 2 Mile AOR



Source – Midland Map Co.

EXHIBIT "B"

"1 Mile AOR"
Revised w BD

Judah Oil, LLC
Mile Marker 5 State SWD #1
API 30-015-44818
660' FNL x 2310' FWL, UL 'C', Sec 10, T26S, R28E
0.5 and 1 Mile AORs



There are no offset wells within the 1 mile AOR that
penetrate the proposed injection interval.

EXHIBIT "C"

Judah Oil, LLC
Mile Marker 5 State SWD #1
API 30-015-pending
660' FNL x 2310' FWL, UL 'C', Sec 10, T26S, R28E
0.5 Mile AOR

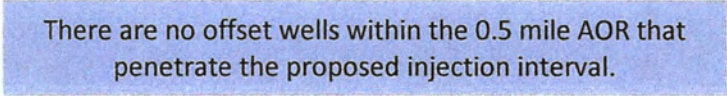


EXHIBIT "C"

"1 mile AOR"
revised WBO

Judah Oil, LLC
Mile Marker 5 SWD #1
API # 30-015-44818
Offset Wells within 1 Mile AOR

There are eighteen offset wells with surface hole locations within the 1 mile AOR. These offset wells do not penetrate the proposed disposal zone.

UL, Sec, T, R	API Well No.	Well Name	TVD	Status
M-2-26S-28E	30-015-41931	SRO State #59H	8260'	Active horizontal BS producer
N-2-26S-28E	30-015-41930	SRO State #58H	8290'	Active horizontal BS producer
H-3-26S-28E	30-015-02523	Flower AGA State #2	3600'	P&A
I-3-26S-28E	30-015-24836	Flower AGA State #1	6500'	P&A
P-9-26S-28E	30-015-44196	SRO State Com #30H	8129'	Active horizontal BS producer
E-10-26S-28E	30-015-42130	SRO State Com #63H	8087'	Active horizontal BS producer
E-10-26S-28E	30-015-41742	SRO State Com #64H	9265'	Active horizontal BS producer
F-10-26S-28E	30-015-25864	SRO SWD #104	5850'	P&A
G-10-26S-28E	30-015-24152	Delaware River Unit #1	11500'	P&A
H-10-26S-28E	30-015-41741	SRO State Com #60H	7869'	Active horizontal BS producer
M-10-26S-28E	30-015-37426	SRO State Com #14H	6845'	Active horizontal BS producer
O-10-26S-28E	30-015-39038	Rabbit Hunter 10 State #2H	10535'	Active horizontal WC producer
P-10-26S-28E	30-015-25772	Inco – State #1	3160'	P&A
P-10-26S-28E	30-015-02526	Humble State #2	2608'	P&A
D-11-26S-28E	30-015-43747	Delaware Ranch 11 14 B2DM Fed Com #1H (Fed minerals not within AOR)	0'	Permitted, not drilled, APD expires 5/2/18
E-11-26S-28E	30-015-24784	Delaware River SWD #2	4954'	Inactive Delaware SWD (last report-Dec-17)
B-15-26S-28E	30-015-42057	SRO State #61H	8125'	Active horizontal BS producer
C-15-26S-28E	30-015-42099	SRO State #62H	8122'	Active horizontal BS producer

There are seven offset wells with surface hole locations outside the 1 mile AOR, but with horizontal laterals within the 1 mile AOR. These horizontal laterals do not penetrate the proposed disposal zone.

UL, Sec, T, R	API Well No.	Well Name	TVD	Status
A-03-26S-28E	30-015-41274	SRO State Com #20H	8149'	Active horizontal BS producer
B-03-26S-28E	30-015-41739	SRO State Com #41H	8094'	Active horizontal BS producer
C-03-26S-28E	30-015-41740	SRO State Com #29H	8053'	Active horizontal BS producer
D-03-26S-28E	30-015-38072	SRO State Com #10H	8077'	Active horizontal BS producer
G-4-26S-28E	30-015-40256	SRO State Com #31H	8100'	Active horizontal BS producer
N-11-26S-28E	30-015-42816	Delaware Ranch 14 B2CN Fee #2H	8204'	Active horizontal BS producer
N-11-26S-28E	30-015-39423	Delaware Ranch 11 NC Fee #1H	8216'	Active horizontal BS producer

Judah Oil, LLC
Mile Marker 5 SWD #1
API # 30-015-pending
Offset Wells within 0.5 Mile AOR

There are four offset wells with surface hole locations within the 0.5 mile AOR. These offset wells do not penetrate the proposed disposal zone.

UL, Sec, T, R	API Well No.	Well Name	TVD	Status
E-10-26S-28E	30-015-42130	SRO State Com #63H	8087'	Active horizontal BS producer
E-10-26S-28E	30-015-41742	SRO State Com #64H	9265'	Active horizontal BS producer
F-10-26S-28E	30-015-25864	SRO SWD #104	5850'	P&A
G-10-26S-28E	30-015-24152	Delaware River Unit #1	11500'	P&A

There are five offset wells with surface hole locations outside the 0.5 mile AOR, but with horizontal laterals within the 0.5 mile AOR. These horizontal laterals do not penetrate the proposed disposal zone.

UL, Sec, T, R	API Well No.	Well Name	TVD	Status
A-03-26S-28E	30-015-41274	SRO State Com #20H	8149'	Active horizontal BS producer
B-03-26S-28E	30-015-41739	SRO State Com #41H	8094'	Active horizontal BS producer
C-03-26S-28E	30-015-41740	SRO State Com #29H	8053'	Active horizontal BS producer
D-03-26S-28E	30-015-38072	SRO State Com #10H	8077'	Active horizontal BS producer
O-10-26S-28E	30-015-39038	Rabbit Hunter 10 State #2H	10535'	Active horizontal WC producer

EXHIBIT "C"

**Judah Oil, LLC
Mile Marker 5 State SWD #1
API # 30-015-pending
Unit Letter 'C', Section 10, T26S, R28E
Eddy County, New Mexico**

Injection Formation Water				
<u>Test</u>	<u>API Number</u>	<u>Formation</u>	<u>TDS</u>	<u>Chlorides</u>
1	30-025-08483	Devonian	71,078	42,200

Possible Disposal Fluid				
<u>Test</u>	<u>API Number</u>	<u>Formation</u>	<u>TDS</u>	<u>Chlorides</u>
2	30-015-41359	Bone Spring	161,087	100,324
3	30-015-23094	Morrow	92,833	59,225
4	30-015-22471	Delaware	255,599	160,000
5	30-015-38272	Upper Avalon	65,466	38,189
6	30-015-40438	Wolfcamp	98,060	60,400

Tests #1-5 – data obtained from GO-Tech NMWAIDS data base.
Test #6 – data obtained from NMOCD file on AO SWD-1630.

EXHIBIT "D"



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
C 02160 S9			ED	3	3	2	02	26S	28E	589020	3548868*	300	120	180
C 02477		CUB	ED	1	1	03	26S	28E	586687	3549347*		150		
C 02479		CUB	ED	4	4	10	26S	28E	587909	3546534*		200		
C 02480		CUB	ED	4	4	10	26S	28E	587909	3546534*		150		
C 02924		C	ED	1	3	2	11	26S	28E	589032	3547451*			
C 04022 POD1		CUB	ED	4	4	2	15	26S	28E	588082	3545647	220	175	45

Average Depth to Water: 147 feet

Minimum Depth: 120 feet

Maximum Depth: 175 feet

Record Count: 6

PLSS Search:

Section(s): 2, 3, 4, 9, 10,
11, 15, 16

Township: 26S

Range: 28E

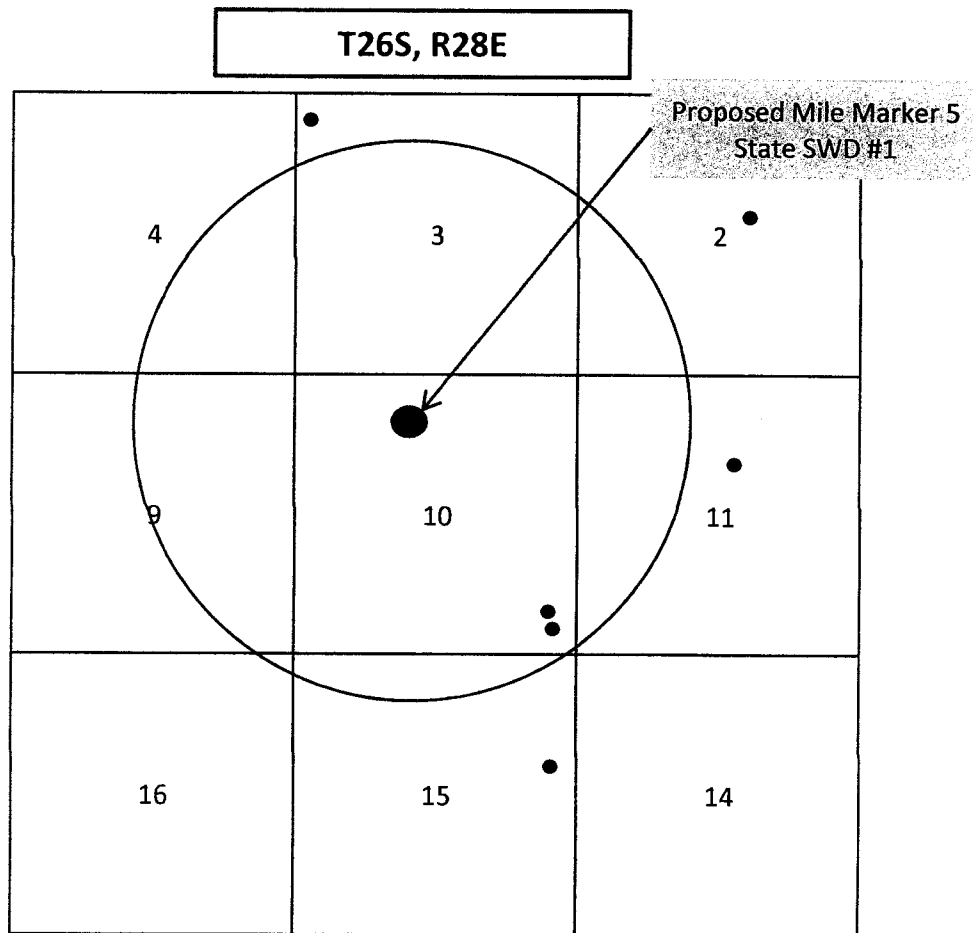
Water wells in red box above are located within the 1 mile AOR.

EXHIBIT "E"

*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.

Judah Oil, LLC
Mile Marker 5 State SWD #1
API # 30-015-pending
1 Mile AOR for Water Wells



According to OSE records, there are 2 ground water wells
located within the 1 mile AOR.

Exhibit "E"

Based on OSE records, this well is actually located in SE/4 SE/4 Section 10, T26S, R28E. No stock water tanks or water wells were found in NW/4 of Section 14.

HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY
WATER ANALYSIS REPORT
HOBBS, NEW MEXICO

COMPANY Marbob

REPORT

W09-059

DATE

July 30, 2009

DISTRICT

Hobbs

Stock Tank Water

NW/4 NW/4 NW/4 Sec. 14-26S-28E

SUBMITTED BY

WELL Stock Tanks
COUNTY

DEPTH
FIELD

FORMATION
SOURCE

SAMPLE

5-26S-28C

C-2160 5-S

C03413

SAMPLE	5-26S-28C	C-2160 5-S	C03413	
Sample Temp.	70 °F	70 °F	70 °F	°F
RESISTIVITY	15.8	3.41	3.41	
SPECIFIC GR	1.000	1.002	1.002	
pH	8.57	8.12	7.89	
CALCIUM	700 mpl	1,000 mpl	1,150 mpl	mpl
MAGNESIUM	390 mpl	750 mpl	750 mpl	mpl
CHLORIDE	45 mpl	1,222 mpl	316 mpl	mpl
SULFATES	Light mpl	Moderate mpl	Moderate mpl	mpl
BICARBONATES	170 mpl	366 mpl	292 mpl	mpl
SOLUBLE IRON	0 mpl	0 mpl	0 mpl	mpl
KCL	Negative	Negative	Negative	
Sodium	mpl	mpl	mpl	0 mpl
TDS	mpl	mpl	mpl	0 mpl
OIL GRAVITY	@ °F	@ °F	@ °F	@ °F

REMARKS

MPL = Milligrams per liter
Resistivity measured in: Ohm/m2/m

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Co.

ANALYST: JH

Fresh water well sample test results from water well located 0.9 miles southeast of proposed SWD well. This report obtained from NMOCD files on AO SWD-1193.

EXHIBIT "E"

Legal Notice

Affidavit of Publication

No. 24598

State of New Mexico

County of Eddy

Danny Scott

being duly sworn says that she is the **Publisher**
of the Artesia Daily Press, a daily newspaper of General
circulation, published in English at Artesia, said county
and state, and that the hereto attached

Legal Ad

was published in a regular and entire issue of the said
Artesia Daily Press, a daily newspaper duly qualified
for that purpose within the meaning of Chapter 167 of
the 1957 Session Laws of the state of New Mexico for
1 Consecutive weeks day on the same
day as follows.

First Publication March 15, 2018

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Seventh Publication

Subscribed and sworn before me this

15th day of March 2018



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2019

Latisha Romine

Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

Legal Notice

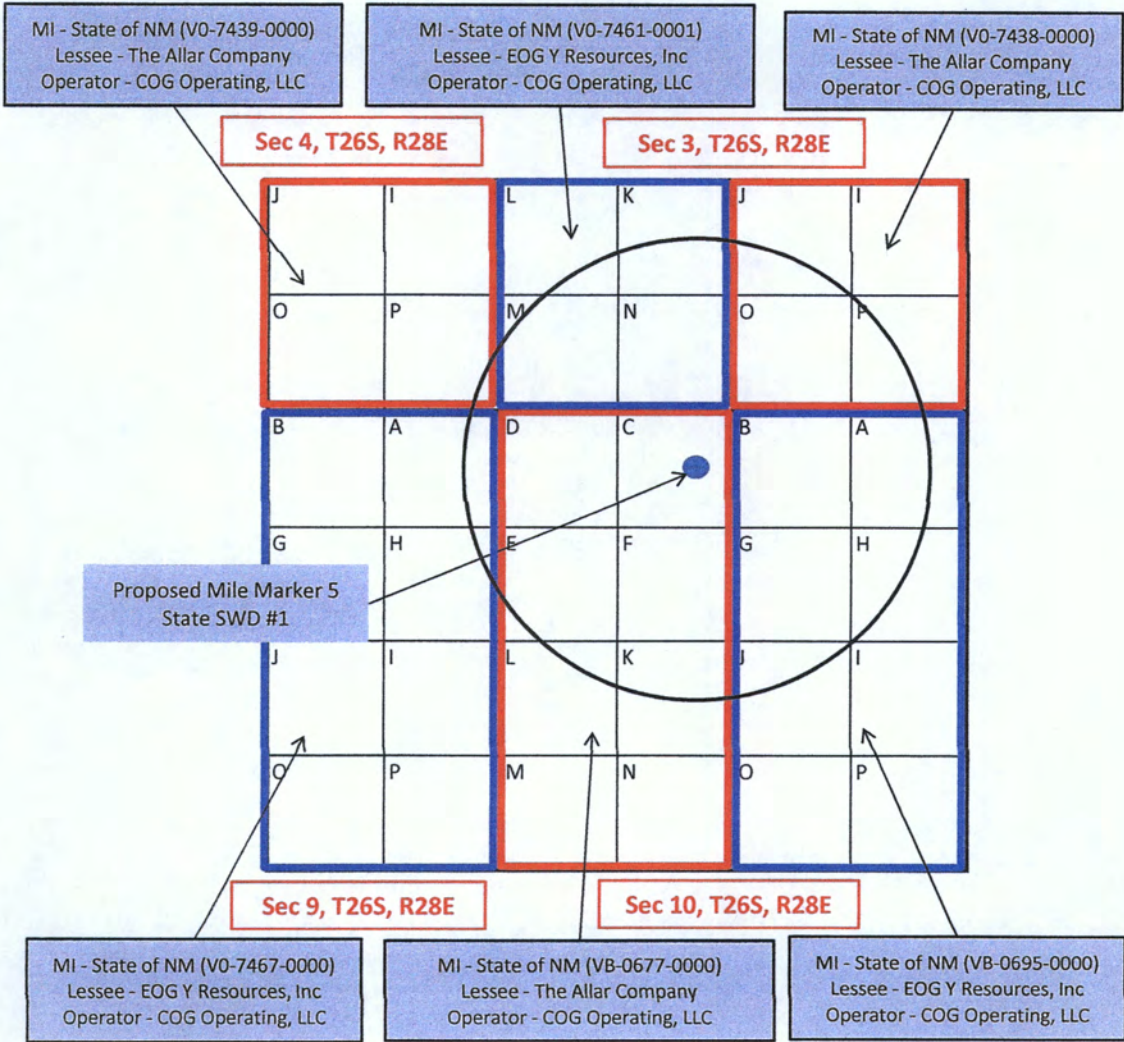
Judah Oil, LLC, PO Box 568, Artesia, NM 88211 has filed form C108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for injection authorization in a new commercial salt water disposal well to be drilled. The new well name is the Mile Marker 5 State SWD #1, API 30-015-pending, to be located at 660' FNL x 2310' FWL, Unit Letter "C", Section 10, T26S, R28E, Eddy County, New Mexico. The proposed disposal interval would be the Devonian-Montoya formations through open-hole completion between 14490' - 15400' (or top of Devonian formation to base of Montoya formation). Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated average disposal volume is 20,000 BWPD with a maximum anticipated volume of 25,000 BWPD. Anticipated average disposal pressure is 2000 psi with a maximum disposal pressure of 2898 psi. The well would be located approximately 11.4 miles south of Malaga, New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Danny Holcomb at 806-471-5628.

Published in the Artesia Daily Press, Artesia, N.M., March 15, 2018 Legal No. 24598.

Exhibit "F"

Judah Oil, LLC
Mile Marker 5 State SWD #1
API # 30-015-pending



This location 660' FNL X 2310' FWL
Surface Owner - State of NM, Commissioner of Public Land,
PO Box 1148, Santa Fe, NM 87504

EXHIBIT "F"

"1 mile AOR"
revised web

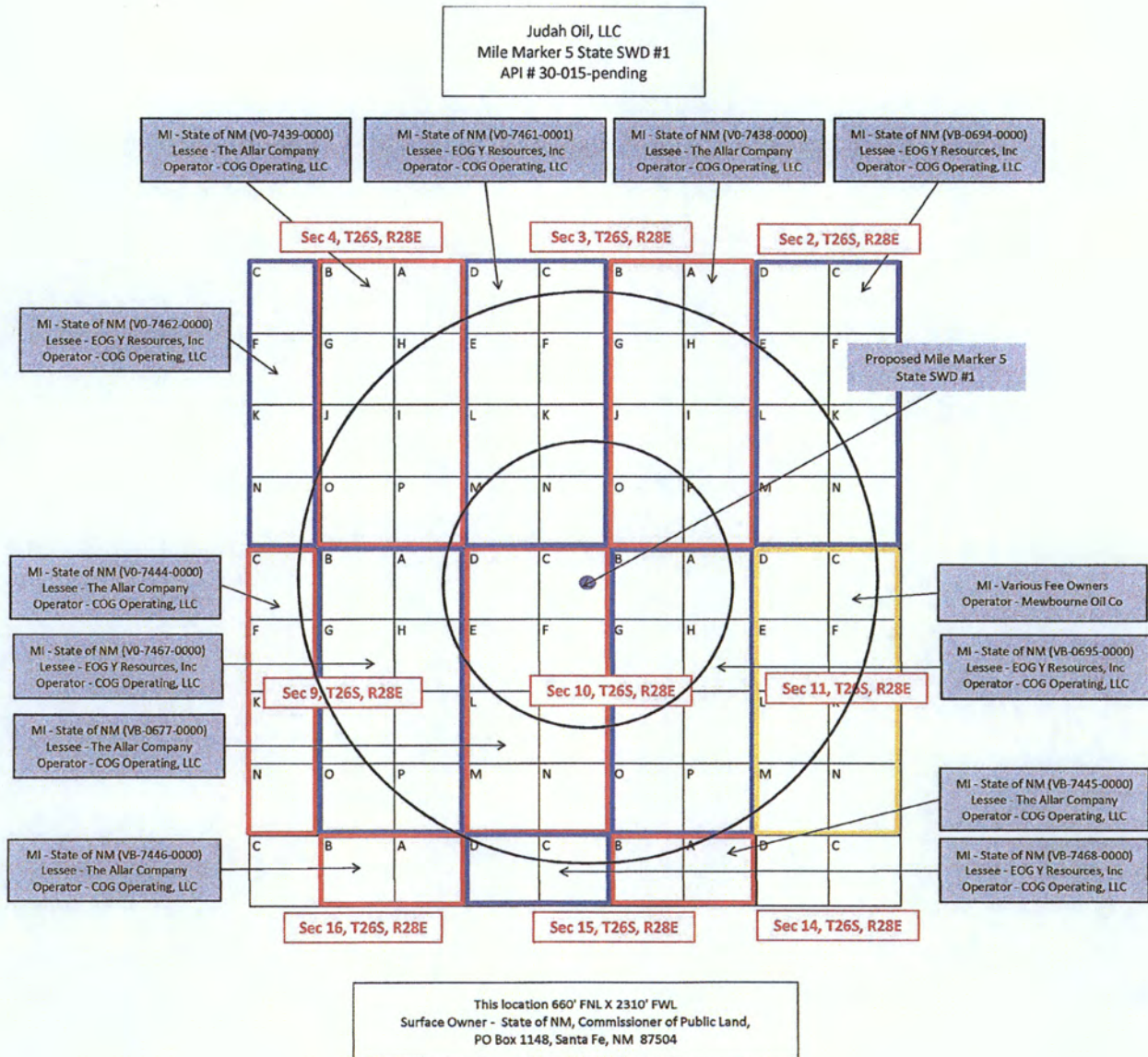


EXHIBIT "F"



Date: April 23, 2018

Danny Holcomb:

The following is in response to your April 23, 2018 request for delivery information on your Certified Mail™ item number 70151730000222123565. The delivery record shows that this item was delivered on April 23, 2018 at 1:01 pm in HOBBS, NM 88240. The scanned image of the recipient information is provided below.

Signature of Recipient :

Jackie Lathan
Opeta Lathan

Address of Recipient :

PO Box
5270

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com	
HOBBS, NM 88240	
Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.63
Total Postage and Fees	\$6.58
Sent To	Mewbourne Oil Company
Street and Apt. No., 2	P. O. Box 5270
City, State, ZIP+4®	Hobbs, NM 88241
PS Form 3800, Apr 2018	

7015 1730 0002 2212 3565

U.S. POSTAL SERVICE
HOBBS, NM 88240
APR 23 2018
1:01 PM
HOBBS, NM 88240

Judah Oil, LLC
Mile Marker 5 State SWD #1
API #30-015-44818

"1 mile AOR"
Revised WBO

EXHIBIT 'F' - NOTIFICATION LIST

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
1	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Surface Owner
	Martha Skeen c/o Curtis Skeen	301 South Canyon	Carlsbad, NM 88220	Surface Lessee

Section 2, T26S, R28E, NMPM (ULs E, K, L, M, N)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
2	EOG Y Resources, Inc	104 S. Fourth Street	Artesia, NM 88210	Lessee
3	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 3, T26S, R28E, NMPM (ULs A, B, G, H, I, J, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
4	The Allar Company	P. O. Box 1567	Graham, TX 76450	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 3, T26S, R28E, NMPM (ULs C, D, E, F, K, L, M, N)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	EOG Y Resources, Inc	104 S. Fourth Street	Artesia, NM 88210	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 4, T26S, R28E, NMPM (ULs A, B, G, H, I, J, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	The Allar Company	P. O. Box 1567	Graham, TX 76450	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 4, T26S, R28E, NMPM (UL N)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	EOG Y Resources, Inc	104 S. Fourth Street	Artesia, NM 88210	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 9, T26S, R28E, NMPM (ULs A, B, G, H, I, J, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	EOG Y Resources, Inc	104 S. Fourth Street	Artesia, NM 88210	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 9, T26S, R28E, NMPM (ULs C, F, K, N)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	The Allar Company	P. O. Box 1567	Graham, TX 76450	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

EXHIBIT "F"

Judah Oil, LLC
 Mile Marker 5 State SWD #1
 API #30-015-pending

"1 mile AOR"
 Revised WSD

EXHIBIT 'F' - NOTIFICATION LIST

Section 10, T26S, R28E, NMPM (ULs A, B, G, H, I, J, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	EOG Y Resources, Inc	104 S. Fourth Street	Artesia, NM 88210	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 10, T26S, R28E, NMPM (ULs C, D, E, F, K, L, M, N)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	The Allar Company	P. O. Box 1567	Graham, TX 76450	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 11, T26S, R28E, NMPM (ULs C, D, E, F, K, L, M, N)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	Various Fee Owners			Mineral Owner
7	Mewbourne Oil Company	P. O. Box 5270	Hobbs, NM 88241	Operator
8	Cambrian Management, Ltd	P. O. Box 272	Midland, TX 79702	SWD Lease Oper

Section 15, T26S, R28E, NMPM (ULs A, B)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	The Allar Company	P. O. Box 1567	Graham, TX 76450	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 15, T26S, R28E, NMPM (ULs C, D)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	EOG Y Resources, Inc	104 S. Fourth Street	Artesia, NM 88210	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 16, T26S, R28E, NMPM (ULs A, B)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	The Allar Company	P. O. Box 1567	Graham, TX 76450	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

NMOCD Notices

#	NAME	ADDRESS	CITY STATE ZIP
5	NMOCD Engineering Bureau	1220 South St. Francis Drive	Santa Fe, NM 87505
5	NMOCD District 2 Office	811 S. First Street	Artesia, NM 88210

Notices mailed 3/15/18

Original C-108 package mailed 3/25/18

Notices mailed 4/20/18

Note: COG Operating, LLC operates the SRO Unit acreage within the AOR. This unit was approved by Order R-13136 dated June 12, 2009. The SRO Unit includes all formations from the surface to the base of the Bone Spring formation. COG also operates a non-unit Wolfcamp producing lateral within the AOR. Since the proposed disposal zone is all non-producing within the AOR, the applicant additionally notified the lessees of the State mineral leases within the AOR.

EXHIBIT "F"

Judah Oil, LLC
Mile Marker 5 State SWD #1
API #30-015-pending

EXHIBIT 'F' - NOTIFICATION LIST

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
1	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Surface Owner
	Martha Skeen c/o Curtis Skeen	301 South Canyon	Carlsbad, NM 88220	Surface Lessee

Section 3, T26S, R28E, NMPM (ULs I, J, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
2	The Allar Company	P. O. Box 1567	Graham, TX 76450	Lessee
3	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 3, T26S, R28E, NMPM (ULs K, L, M, N)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
4	EOG Y Resources, Inc	104 S. Fourth Street	Artesia, NM 88210	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 4, T26S, R28E, NMPM (ULs I, J, O,P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	The Allar Company	P. O. Box 1567	Graham, TX 76450	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 9, T26S, R28E, NMPM (ULs A, B, G, H, I, J, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	EOG Y Resources, Inc	104 S. Fourth Street	Artesia, NM 88210	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

EXHIBIT "F"

Judah Oil, LLC
Mile Marker 5 State SWD #1
API #30-015-pending

EXHIBIT 'F' - NOTIFICATION LIST

Section 10, T26S, R28E, NMPM (ULs A, B, G, H, I, J, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	EOG Y Resources, Inc	104 S. Fourth Street	Artesia, NM 88210	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

Section 10, T26S, R28E, NMPM (ULs C, D, E, F, K, L, M, N)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	The Allar Company	P. O. Box 1567	Graham, TX 76450	Lessee
	COG Operating, LLC	600 W. Illinois Avenue	Midland, TX 79701	Operator

NMOCD Notices

#	NAME	ADDRESS	CITY STATE ZIP
5	NMOCD Engineering Bureau	1220 South St. Francis Drive	Santa Fe, NM 87505
5	NMOCD District 2 Office	811 S. First Street	Artesia, NM 88210

Notices mailed 3/15/18

Original C-108 package mailed 3/25/18

Note: COG Operating, LLC operates the SRO Unit acreage within the AOR. This unit was approved by Order R-13136 dated June 12, 2009. The SRO Unit includes all formations from the surface to the base of the Bone Spring formation. COG also operates a non-unit Wolfcamp producing lateral within the AOR. Since the proposed disposal zone is all non-producing within the AOR, the applicant additionally notified the lessees of the State mineral leases within the AOR.

EXHIBIT "F"

Date: March 19, 2018

Danny Holcomb:

The following is in response to your March 19, 2018 request for delivery information on your Certified Mail™ item number 70151730000222123466. The delivery record shows that this item was delivered on March 19, 2018 at 7:56 am in ARTESIA, NM 88210. The scanned image of the recipient information is provided below.

Signature of Recipient :

Delivery Section	
Signature	X <i>Danny Holcomb</i>
Printed Name	DANNY HOLCOMB

Address of Recipient :

Delivery Address	105 S 4th St
------------------	--------------

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com	
ARTESIA, NM 88210	
Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$1.50
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.63
Total Postage and Fees	\$6.58
Sent To	EOG Y Resources, Inc
Street and Apt. No.	104 S. Fourth Street
City, State, ZIP+4®	Artesia, NM 88210
PS Form 3800, A	

7015 1730 0002 2212 3466

0206 01

Postmark
MAR 19 2018
MARILLO, TX 75124



Date: March 19, 2018

Danny Holcomb:

The following is in response to your March 19, 2018 request for delivery information on your Certified Mail™ item number 70151730000222123459. The delivery record shows that this item was delivered on March 19, 2018 at 10:19 am in GRAHAM, TX 76450. The scanned image of the recipient information is provided below.

Signature of Recipient :

Melanie Barrett
Melanie Barrett

Address of Recipient :

1567

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

7015 1730 0002 2212 3459

U.S. Postal Service™	
CERTIFIED MAIL® RECEIPT	
Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
GRAHAM, TX 76450	
Certified Mail Fee	\$3.45
Extra Services & Fees (Show if any, add fee to postage)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$1.50
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.63
Total Postage and Fees	\$6.78
Sent to	The Allar Company
Street and Apt. No.	c/o Ed Graham
City, State, ZIP+4®	P. O. Box 1567 Graham, TX 76450
PS Form 3800, Apr 2016	

0206
JCS JORDAN STATION
MAR 20 2018
AMARILLO, TX 79124
03/15/2018



Date: March 19, 2018

Danny Holcomb:

The following is in response to your March 19, 2018 request for delivery information on your Certified Mail™ item number 70151730000222123442. The delivery record shows that this item was delivered on March 19, 2018 at 12:49 pm in ARTESIA, NM 88210. The scanned image of the recipient information is provided below.

Signature of Recipient :

Address of Recipient :

811 S 1st St.
Artesia, NM 88210

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

7015 1730 0002 2222 3442

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
ARTESIA, NM 88210	
Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$1.50
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.63
Total Postage and Fees	\$5.08
Sent To	State of New Mexico
Street and Apt. No.	NMOCD District 2 Office
City, State, ZIP+4®	811 S. First Street Artesia, NM 88210

PS Form 3800, Apr 2017

0206 01
03/15/2018




Date: March 19, 2018

Danny Holcomb:

The following is in response to your March 19, 2018 request for delivery information on your Certified Mail™ item number 70151730000222123435. The delivery record shows that this item was delivered on March 19, 2018 at 3:21 pm in MIDLAND, TX 79701. The scanned image of the recipient information is provided below.

Signature of Recipient :

Signature: 
Printed Name: Melinda Roberts

Address of Recipient :

Delivery Address: 

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

7015 1730 0002 2212 3435

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®	
MIDLAND, TX 79701	
Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee if applicable)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$1.50
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.63
Total Postage and Fees	\$6.58
Sent To	COG Operating, LLC
Street and Apt. No.	600 W. Illinois Ave
City, State, ZIP+4®	Midland, TX 79701
PS Form 3800, Apr 2017	

0206 01
JORDAN STANLEY
MAR 2018
03/15/2018



Date: March 20, 2018

Danny Holcomb:

The following is in response to your March 20, 2018 request for delivery information on your Certified Mail™ item number 70151730000222123428. The delivery record shows that this item was delivered on March 20, 2018 at 7:42 am in SANTA FE, NM 87501. The scanned image of the recipient information is provided below.

Signature of Recipient :

Signature of Recipient: [Handwritten signature]

Address of Recipient :

Address of Recipient: 1148

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

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

SANTA FE, NM 87504

Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$1.50
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.63
Total Postage and Fees	\$4.98

Sent to
State of New Mexico
Commissioner of Public Land
P. O. Box 1148
Santa Fe, NM 87504

PS Form 3800, Apr 2017

0206
PS JORDAN STATION
MAR 20 2018
Postmark
SANTA FE, NM 87504

7015 1730 0002 2212 3428

Holcomb Consultants
6900 Spring Cherry Lane
Amarillo, Texas 79124

MAR 28 2018 PM03:57

March 23, 2018

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

Re: Original Affidavit of Publication
C-108 Application from Judah Oil, LLC
Mile Marker 5 State SWD #1 (30-015-pending)

Gentlemen,

Attached is the original AOP received from the Artesia Daily Press for the legal notice publication made on March 15, 2018 as part of the C-108 application (Authority to Inject) on the above referenced well.

If you have any questions concerning this notice or need any additional information, please let me know.

Sincerely,

A handwritten signature in black ink that reads "D J Holcomb". The signature is written in a cursive, flowing style.

Danny J. Holcomb
Agent for Judah Oil, LLC
Email: danny@pwllc.net
Cell: 806-471-5628

Attachment

Affidavit of Publication

No. 24598

State of New Mexico

County of Eddy:

Danny Scott

being duly sworn says that she is the

Publisher

of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Ad

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/day on the same

day as follows:

First Publication March 15, 2018

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Seventh Publication

Subscribed and sworn before me this

15th day of March 2018



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires:

5/12/2019

Latisha Romine

Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

Legal Notice

Judah Oil, LLC, PO Box 568, Artesia, NM 88211 has filed form C108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for injection authorization in a new commercial salt water disposal well to be drilled. The new well name is the Mile Marker 5 State SWD #1, API 30-015-pending, to be located at 660' FNL x 2310' FWL, Unit Letter "C", Section 10, T26S, R28E, Eddy County, New Mexico. The proposed disposal interval would be the Devonian-Montoya formations through open-hole completion between 14490' - 15400' (or top of Devonian formation to base of Montoya formation). Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated average disposal volume is 20,000 BWPDP with a maximum anticipated volume of 25,000 BWPDP. Anticipated average disposal pressure is 2000 psi with a maximum disposal pressure of 2898 psi. The well would be located approximately 11.4 miles south of Malaga, New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Danny Holcomb at 806-471-5628.

Published in the Artesia Daily Press, Artesia, N.M., March 15, 2018 Legal No. 24598.

MAR 28 2018 PM 03:58

Judah Oil, LLC
c/o Holcomb Consultants
6900 Spring Cherry Lane
Amarillo, TX 79124

MAR 28 2018 PM03:57

March 23, 2018

State of New Mexico
NMOCD Engineering Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Per the rules and regulations of the New Mexico Oil Conservation Division, please find enclosed a copy of NMOCD form C108.

Judah Oil, LLC, PO Box 568, Artesia, NM 88211 has filed form C108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for injection authorization in a new commercial salt water disposal well to be drilled. The new well name is the Mile Marker 5 State SWD #1, API 30-015-pending, to be located at 660' FNL x 2310' FWL, Unit Letter "C", Section 10, T26S, R28E, Eddy County, New Mexico. The proposed disposal interval would be the Devonian-Montoya formations through open-hole completion between 14490' – 15400' (top of Devonian formation to base of Montoya formation). Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated average disposal volume is 20,000 BWPD with a maximum anticipated volume of 25,000 BWPD. Anticipated average disposal pressure is 2000 psi with a maximum disposal pressure of 2898 psi. The well would be located approximately 11.4 miles south of Malaga, New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Danny Holcomb at 806-471-5628.

Sincerely,



Danny J. Holcomb
Agent for Judah Oil, LLC
Email: danny@pwllc.net

Attachments



FORM C-108 Technical Review Summary [Prepared by reviewer and included with application; V16.2]

DATE RECORD: First Rec: 3/28/18 Admin Complete: 4/28/18 or Suspended: 3/28/18 Add. Request/Reply: 4/28/18
ORDER TYPE: WFX / PMX / SWD Number: 1756 Order Date: 10/3/18 Legacy Permits/Orders: [Expanded Notice]

Well No. 1 Well Name(s): mile Marker 5 State
 API: 30-015-44818 Spud Date: TBD New or Old (EPA): New (UIC Class II Primacy 03/07/1982)

Footages 660' FNL / 2310' FWL Lot - or Unit C Sec 10 Tsp 26S Rge 28E County Eddy
 General Location: ~11 miles S of Malaga / 0.6 mi W of US285 Pool: SWD; Devonian-Silurian Pool No.: 97869
 BLM 100K Map: Carlsbad Operator: Judah Oil LLC OGRID: 245872 Contact: D. Holcomb

COMPLIANCE RULE 5.9: Total Wells: 34 Inactive: 1 Fincl Assur: OK Compl. Order? N6 IS 5.9 OK? Yes Date: 10/3/18

WELL FILE REVIEWED ☒ Current Status: APD filed; *well design to be amended (7-in to 7 5/8-in line)

WELL DIAGRAMS: NEW: Proposed ☒ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: NA

Planned Rehab Work to Well: NA

Well Construction Details		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned <input checked="" type="checkbox"/> or Existing <u>Surface</u>		<u>26/20</u>	<u>0 to 515</u>	<u>380</u>	<u>Circulate to surf.</u>
Planned <input checked="" type="checkbox"/> or Existing <u>Interm/Prod</u>		<u>17 1/2 / 9 5/8</u>	<u>0 to 2510</u>	<u>1500</u>	<u>Circulate to surf.</u>
Planned <input checked="" type="checkbox"/> or Existing <u>Interm/Prod</u>		<u>12 1/4 / 9 5/8</u>	<u>0 to 9440</u>	<u>2062</u>	<u>Circulate to surface</u>
Planned <input checked="" type="checkbox"/> or Existing <u>Prod/Liner</u>		<u>8 1/2 / 7 5/8 (mod)</u>	<u>9100 to 14540</u>	<u>550</u>	<u>TOL - no method provided</u>
Planned <input type="checkbox"/> or Existing <u>Liner</u>					
Planned <input checked="" type="checkbox"/> or Existing <u>OH/PERF</u>		<u>6 1/4</u>	<u>14540 to 15190</u>	<u>Inj Length 650</u>	

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		<u>Mississippi</u>	
Confining Unit: <u>Litho</u> Struc. <u>Por</u>	<u>± 0</u>	<u>Woodford Sh</u>	<u>14</u>
Proposed Inj Interval TOP:	<u>14440</u>	<u>Devonian</u>	<u>14720</u>
Proposed Inj Interval BOTTOM:	<u>(15090) + 10'</u>	<u>Silurian</u>	
Confining Unit: <u>Litho</u> Struc. <u>Por</u>	<u>2160</u>	<u>Montoya</u>	<u>15090</u>
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:	
Drilled TD	<u>15190</u>
NEW TD	<u>15190</u>
NEW Open Hole	<input checked="" type="checkbox"/> or NEW Perfs <input type="checkbox"/>
Tubing Size	<u>5 1/2</u> in. Inter Coated? <u>Yes</u>
Proposed Packer Depth	<u>14510</u> ft
Min. Packer Depth	<u>14440</u> (100-ft limit)
Proposed Max. Surface Press.	<u>2898</u> psi
Admin. Inj. Press.	<u>2898</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P No Noticed? NA BLM Sec Ord N6 WIPP N6 Noticed? NA Salt/Salado 4-800 B: ~2400 NW: Cliff House fm

FRESH WATER: Aquifer Rustler / Carlsbad Max Depth < 500 HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: Carlsbad CAPITAN REEF: thru adj NA ☒ No. GW Wells in 1-Mile Radius? 2 FW Analysis? Yes (1)

Disposal Fluid: Formation Source(s) Morrow / WC / BS / DMG Analysis? Yes On Lease ☐ Operator Only ☐ or Commercial ☒

Disposal Interval: Inject Rate (Avg/Max BWPD): 20000/25000 Protectable Waters? N6 Source: Historical area System: Closed ☐ or Open ☒

HC Potential: Producing Interval? No Formerly Producing? No Method: Logs/DST/P&A/Other Mudlog 2-Mi Radius Pool Map ☐

AOR Wells: 1/2-M Radius Map and Well List? Yes No. Penetrating Wells: 0 [AOR Horizontals: 0 AOR SWDs: 0]

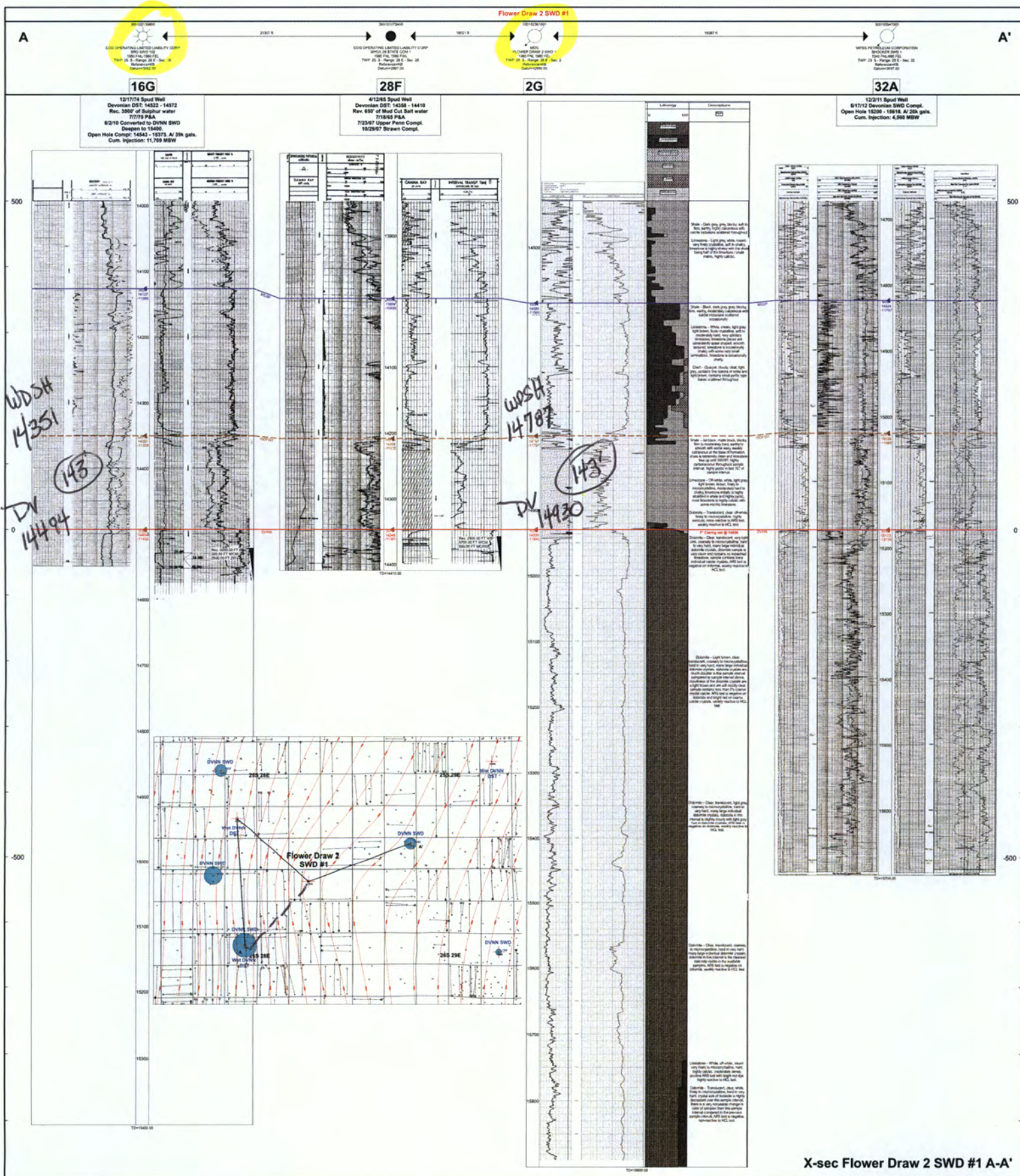
Penetrating Wells: No. Active Wells 0 Num Repairs? - on which well(s)? - Diagrams? -

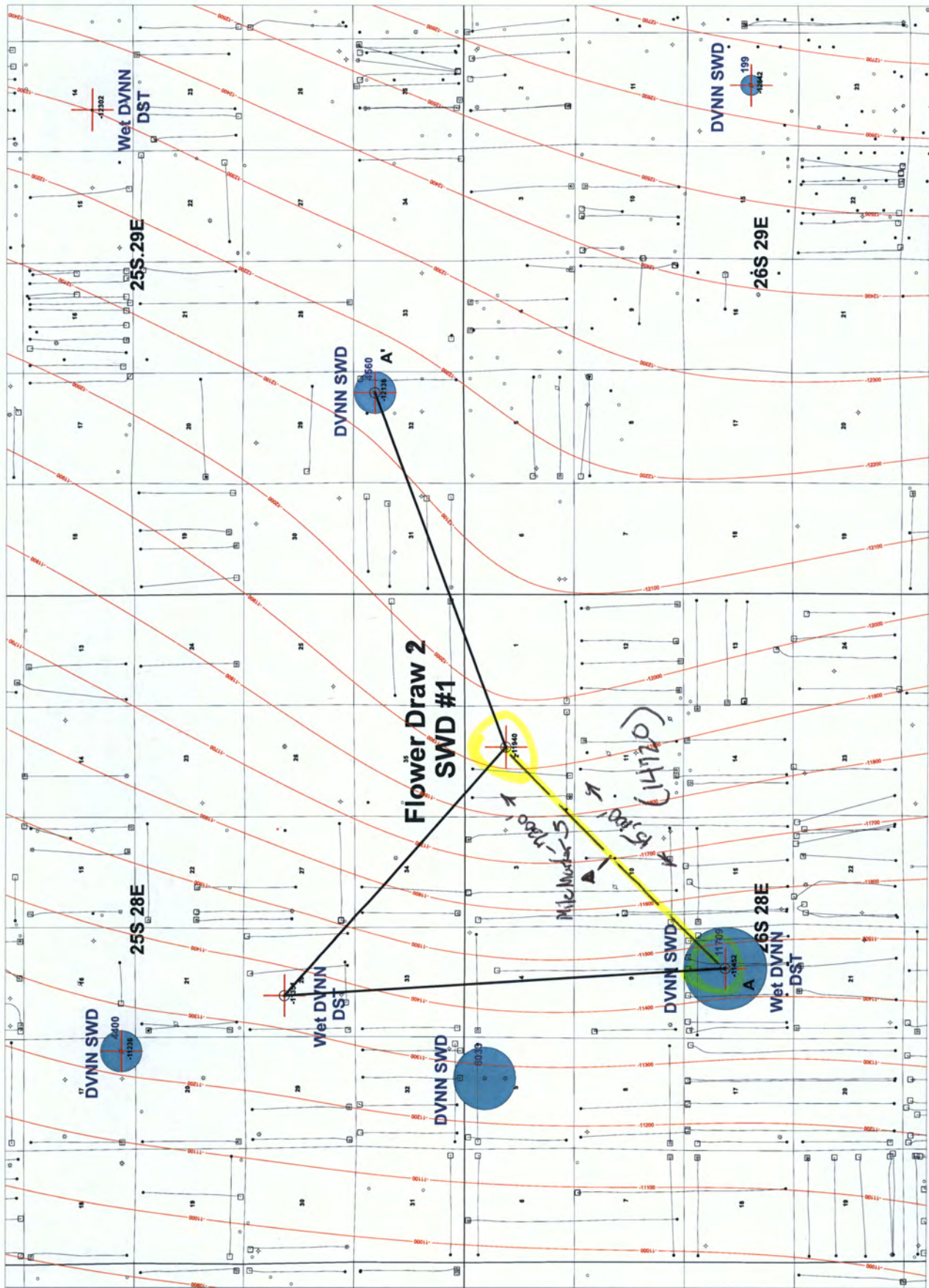
Penetrating Wells: No. P&A Wells 0 Num Repairs? - on which well(s)? - Diagrams? -

NOTICE: Newspaper Date 03/15/18 Mineral Owner NMSLO Surface Owner NMSLO N. Date 03/19/18

RULE 26.7(A): Identified Tracts? Yes Affected Persons: COG / EOGY / Markume / Allar / State LO N. Date 03/19/18

Order Conditions: Issues: HC potential / strat control; including Montoya; tubing & liner issues;
 Additional COAs: Mudlog / Strat picks; limit bottom of OH; CBL for liner; cmt notice

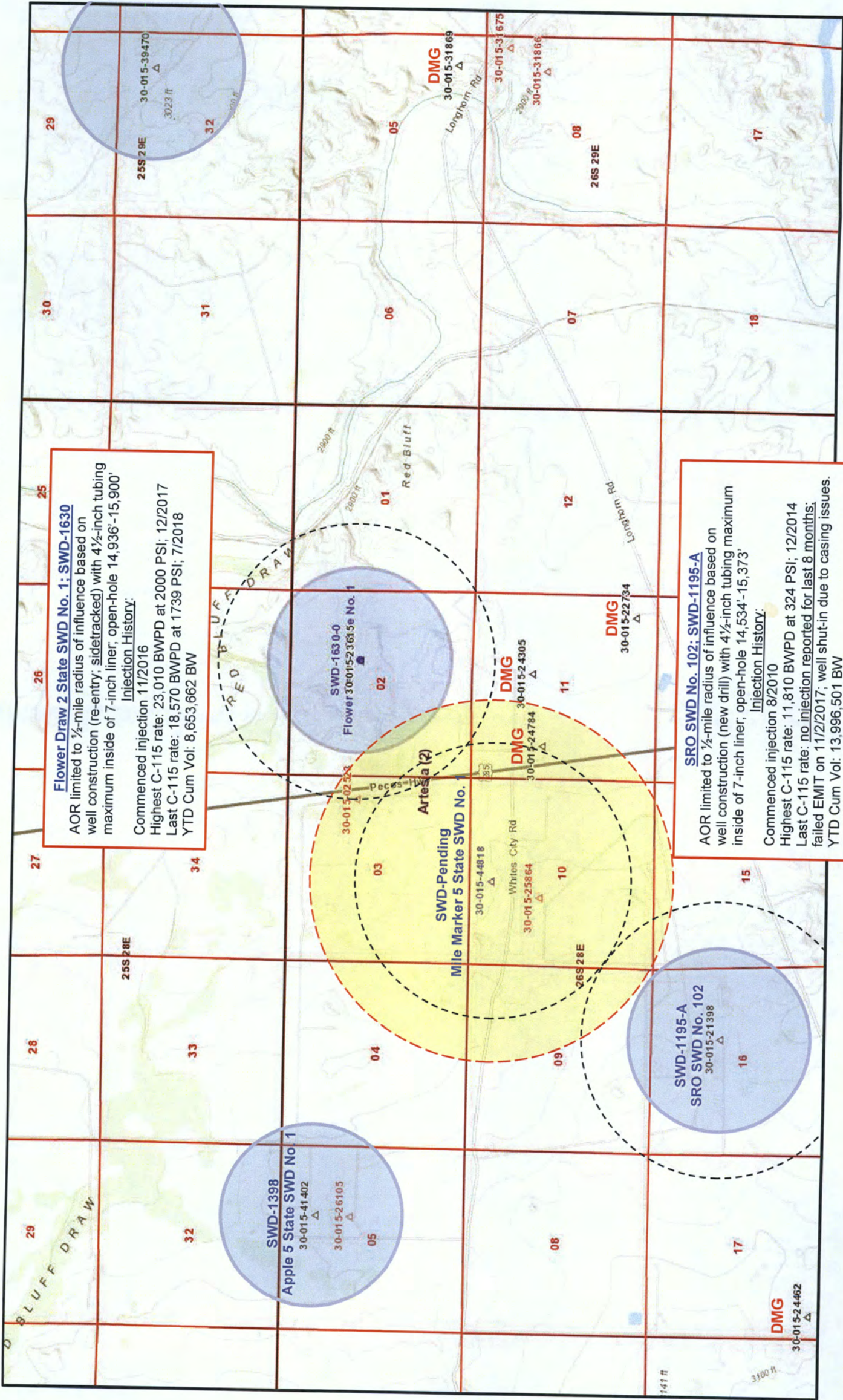




Flower Draw 2 SWD #1 Top of Devonian Structure (CI = 100%) Cumulative Injection Bubbles	
Author: C. J. Lepp	Date: November 22, 2016
Scale: 1 inch = 2000 ft	

Devonian SWD
 Cumulative
 Injection (MBW)
 Top of Devonian
 (Subsea)

Pending Application for High-Volume Devonian Disposal Well
C-108 Application for Mile Marker 5 State SWD No. 1 – Judah Oil LLC



Mile Marker 5 State SWD No. 1 [UL C, Sec 10, T26S, R28E, NMMPM]
API 30-015-44818; pMAM1808854659
Proposed interval: 14,490' – 15,400'

Proposed tapered tubing: 5.5-in. x 5-in.; max injection rate: 50,000 BWPD

Closest Devonian Wells with Large-Volume Potential: One active: Flower Draw 2 State SWD No. 1 (30-015-23615) is limited by well construction but still has shown to be capable of averaging 20,000 BWPD. The SRO SWD No. 102 (30-015-21398) is limited by tubing size and has not recorded injection for eight months due to MI issues. Two Devonian wells greater than two miles from proposed well. Remaining SWD locations are shallower disposal intervals (DMG).