

RECEIVED: <u>6/04/2018</u>	REVIEWER:	TYPE: <u>SWD</u>	APP NO: <u>DMAM 181 5558236</u>
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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: Judah Oil, LLC **OGRID Number:** 245872
Well Name: Shinnery Oak Fed SWD #2 **API:** 30-015-20309
Pool: SWD; Devonian - Montoya **Pool Code:** 97803

**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 holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☒ Application requires published noticeD. ☒ Notification and/or concurrent approval by SLOE. ☒ Notification and/or concurrent approval by BLMF. ☒ Surface ownerG. ☒ 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

5-21-2018
Date575-748-5488

Phone Number

jbc@judahoil.com

e-mail Address

JUN 04 2018 4:08 PM

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

May 31, 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 to convert the Big Eddy Unit #32 P&A, API 30-015-20309, located at 660' FSL x 660' FWL, Unit Letter "M", Section 15, T21S, R28E, Eddy County, New Mexico from a plugged and abandoned well to a commercial salt water disposal well. The proposed well would be renamed as the Shinnery Oak Fed SWD #2. The proposed disposal interval would be the Devonian-Montoya formations through open-hole completion between 13260' – 14250' (near Devonian formation top to 100' into the Montoya formation). Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated average disposal volume is 18,000 BWPD with a maximum anticipated volume of 20,000 BWPD. Anticipated average disposal pressure is 2000 psi with a maximum disposal pressure of 2652 psi. The well would be located approximately 9 miles northeast of Carlsbad, 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.

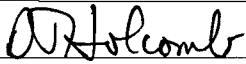
Sincerely,



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

Attachments

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: 5/31/2018
E-MAIL ADDRESS: danny@pwlloc.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
Shinnery Oak Fed SWD #2
API # 30-015-20309
660' FSL x 660' FWL
Unit Letter 'M', Section 15, T21S, 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 current P&A well to be converted to a commercial salt water disposal well. The current well name is the Big Eddy Unit #32 and the proposed well name is the Shinnery Oak Fed SWD #2. The injection interval would be in the Devonian - Montoya formations through open-hole completion between 13260' – 14250' (near Devonian top to 100' into the 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: Shinnery Oak Fed SWD #2 (previously Big Eddy Unit #32)
API Number: 30-015-20309
Location: Unit Letter 'M', Section 15, T21S, 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 an expansion of an existing project. If approved, the Shinnery Oak Fed SWD #2 will become part of the project approved in AO SWD-1533 for the Pronghorn Fed SWD #1 (30-015-20866). It is the operator's intent to rename the Pronghorn Fed SWD #1 well as the Shinnery Oak Fed SWD #1. Both wells would be served by the current water station serving the #1 well.

V.

Please see Exhibit "B" for lease map.

VI.

There are nine offset wells located within the 0.5 mile Area of Review. There are nine additional offset wells located within the 0.5 to 1 mile AOR. None of these offset wells penetrate the proposed disposal interval. See AOR map and a list of offset wells in Exhibit "C".

VII.

1. Anticipated disposal volume – 18,000 BWPD with a maximum of 20,000 BWPD.
2. System will be closed. The well will receive water via pipeline from the existing central water station and pump serving the Pronghorn Fed SWD #1.
3. Anticipated disposal pressure: Average 2000 psig, Maximum 2652 psig.
4. Disposed fluid will be trucked in and pipelined 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
Shinnery Oak Fed SWD #2
API # 30-015-20309
660' FSL x 660' FWL
Unit Letter 'M', Section 15, T21S, R28E
Eddy County, New Mexico
C-108 Application for Authorization to Inject

VIII.

Formation	Anticipated Depth (ft)	Lithology
Alluvium	0 - 490	Unconsolidated gravel, sand, red beds
T. Salt	1225	Salt, anhydrite
B. Salt	2100	Salt, anhydrite
T. Morrow	11200	Shale, limestone
T. Lower Mississippi	12650	Limestone
T. Woodford	13100	Shale
T. Devonian	13250	Cherty fractured limestone and dolomite
T. Montoya	14150	Cherty fractured limestone and dolomite
Proposed disposal zone	13260 – 14250	Cherty fractured limestone and dolomite

The proposed well is not located within the R-111-P Potash District. The closest underground source of drinking water above the proposed disposal zone is in the Rustler formation. The top of the Salado formation is reported at a depth of 1225'. No underground source of drinking water is known to exist below the proposed disposal zone.

IX.

Proposed Completion Procedure: After drilling out the cement plugs, deepen well to new casing point at ~13260' (min 10' below top of Devonian), run 7" 26/32# casing to 13260', cement in 2 stages (1000 & 1200 sacks) with DV tool at 7000'. Run 6-1/4" bit, drill out 7" shoe track and deepen well to new TD ~14250' (approximately 100' below top 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 4-1/2" OD 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 there are no fresh water wells located within the 1 mile Area of Review. See Exhibit "E" for OSE data base query.

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: 5/31/2018

**Judah Oil, LLC
Shinnery Oak Fed SWD #2
API # 30-015-20309
660' FSL x 660' FWL
Unit Letter 'M', Section 15, T21S, R28E
Eddy County, New Mexico
Well Data**

History

Well spudded 6/6/1970 by Pennzoil United, Inc as a Strawn test.

Drilled 17-1/2" hole to 497', ran 13-3/8" 48# surface casing to 497', cemented with 550 sacks cement. Circulated cement to surface.

Drilled 12-1/4" hole to 2524', ran 9-5/8" 36# intermediate casing to 2524', cemented with 2025 sacks cement. Cement did not circulate. Ran temperature survey and found TOC @ 375' (above surface shoe).

Drilled 8-3/4" hole to 11578', ran logs, no commercial production found. Well plugged and abandoned 7/16/1970.

On 12/30/1974, Perry R. Bass drilled out cement plugs and deepened well to 12395' as a Morrow test. The well was logged and re-plugged/abandoned on 2/3/1975. See "Current Wellbore Diagram" on page 4 for plug depths.

<u>Formation Tops</u>	<u>Reported Depths (ft)</u>
Delaware Sand	2630
Bone Spring	6052
Wolfcamp	9646
Strawn	10880
Morrow	11200

Proposed Plan

Drill out surface plug, test intermediate casing, drill out rest of cement plugs, deepen well to new casing point at ~13260' (min 10' below top of Devonian), run 7" 26/32# casing to 13260', cement in 2 stages (1000 & 1200 sacks cement) with DV tool at 7000'. Run 6-1/4" bit, drill out 7" shoe track and deepen well to new TD ~14250' (approximately 100' below top of Montoya). Swab for insitu water, if possible. If ok, perform pump-in test. Run 4-1/2" Duoline tubing, set packer at ~13200'.

<u>Formation Tops</u>	<u>Estimated Depths (ft)</u>
Barnett Shale	12450
Lower Mississippi	12650
Woodford Shale	13100
Devonian/Silurian	13250
Fusselman	13450
Montoya	14150
Proposed Disposal Zone	13260 – 14250

EXHIBIT "A"

Judah Oil, LLC
Big Eddy Unit #32
API # 30-015-20309
660 FSL X 660 FWL
Unit Letter "M", Section 15, T21S, R28E
Eddy County, New Mexico
Spud 06/06/1970 as Strawn Test
Plugged and Abandoned 07/16/1970
Deepened and replugged 2/3/1975
Current Wellbore Diagram
Drawing not to scale

ELEV KB: 3288'
ELEV GL: 3265'
ALL DEPTHS KB

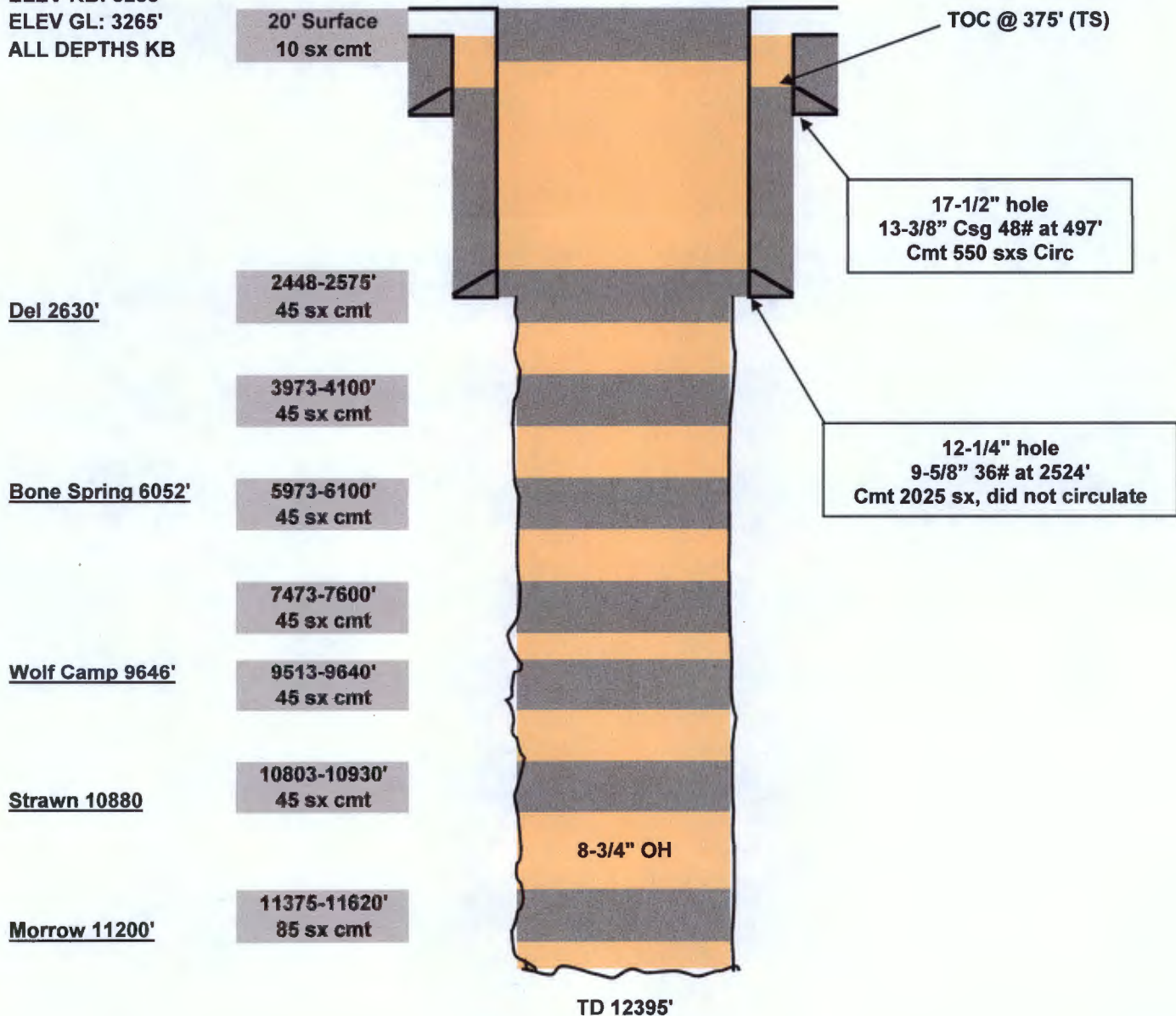


EXHIBIT "A"

Judah Oil, LLC
 Shinnery Oak Fed SWD #2
 API # 30-015-20309
 660 FSL X 660 FWL
 Unit Letter "M", Section 15, T21S, R28E
 Eddy County, New Mexico
 Spud 06/06/1970 as Strawn Test
 Plugged and Abandoned 07/16/1970
 Deepened and replugged 2/3/1975

Proposed Wellbore Diagram
 Drawing not to scale

ELEV KB: 3288'
 ELEV GL: 3265'
 ALL DEPTHS KB

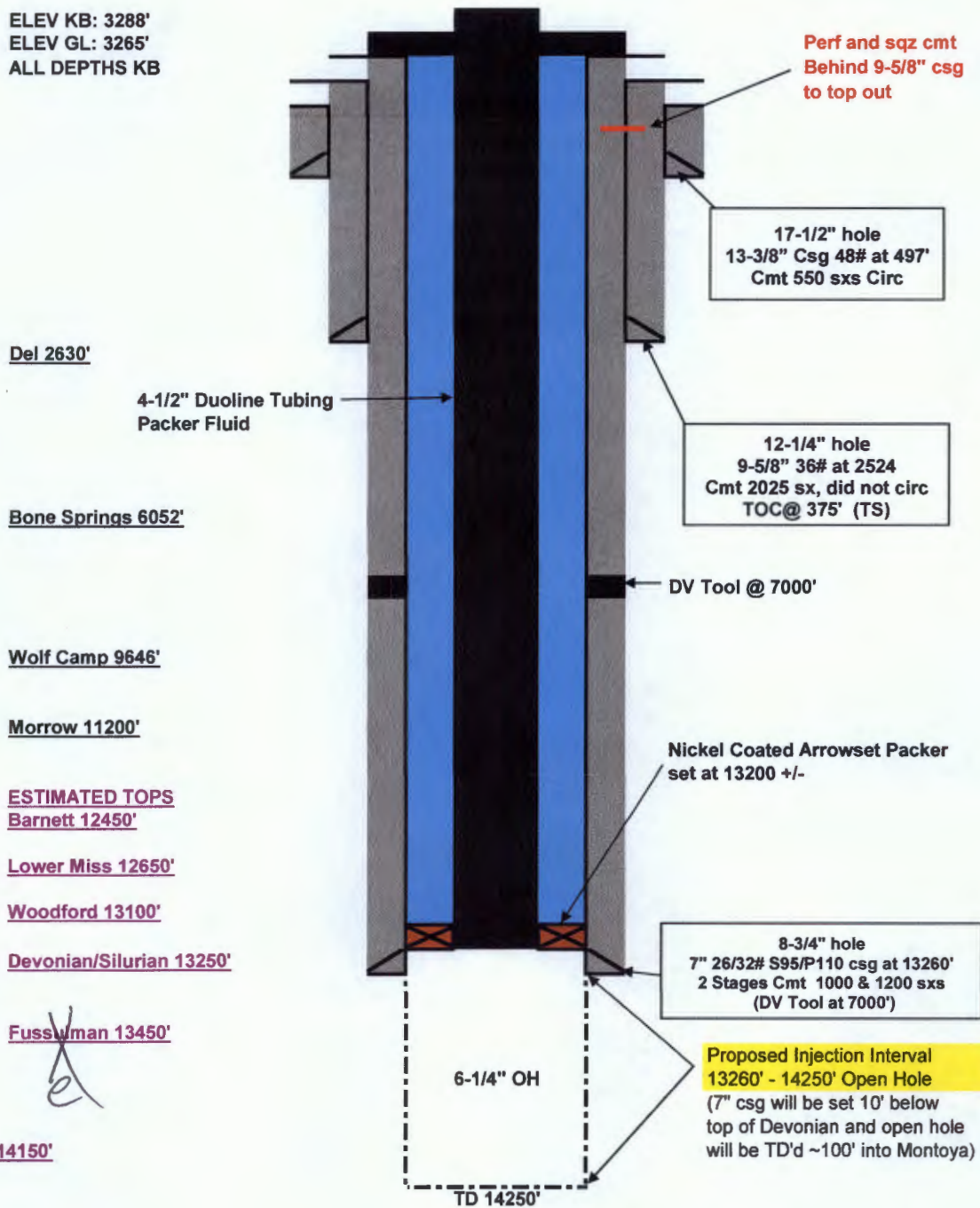
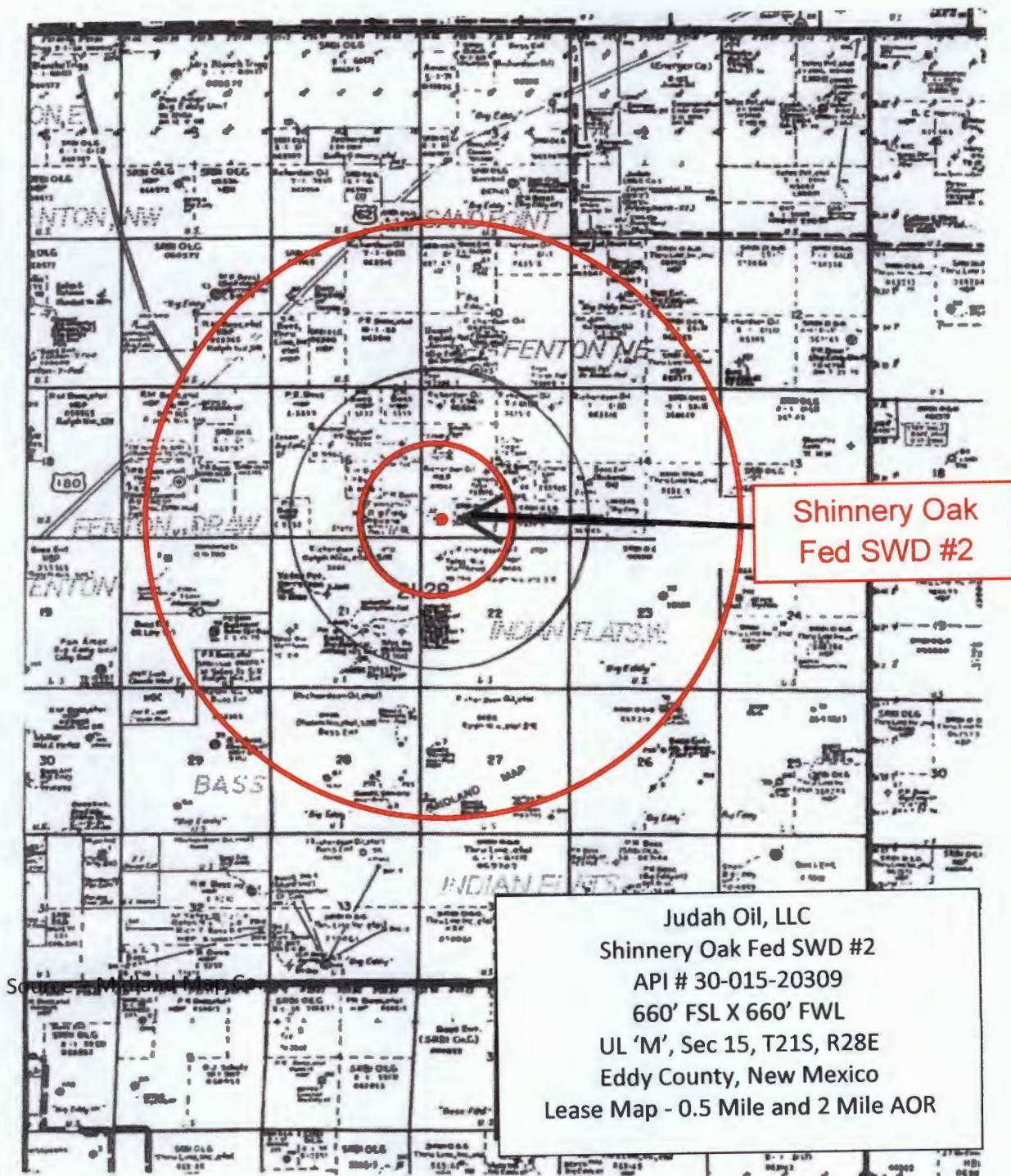


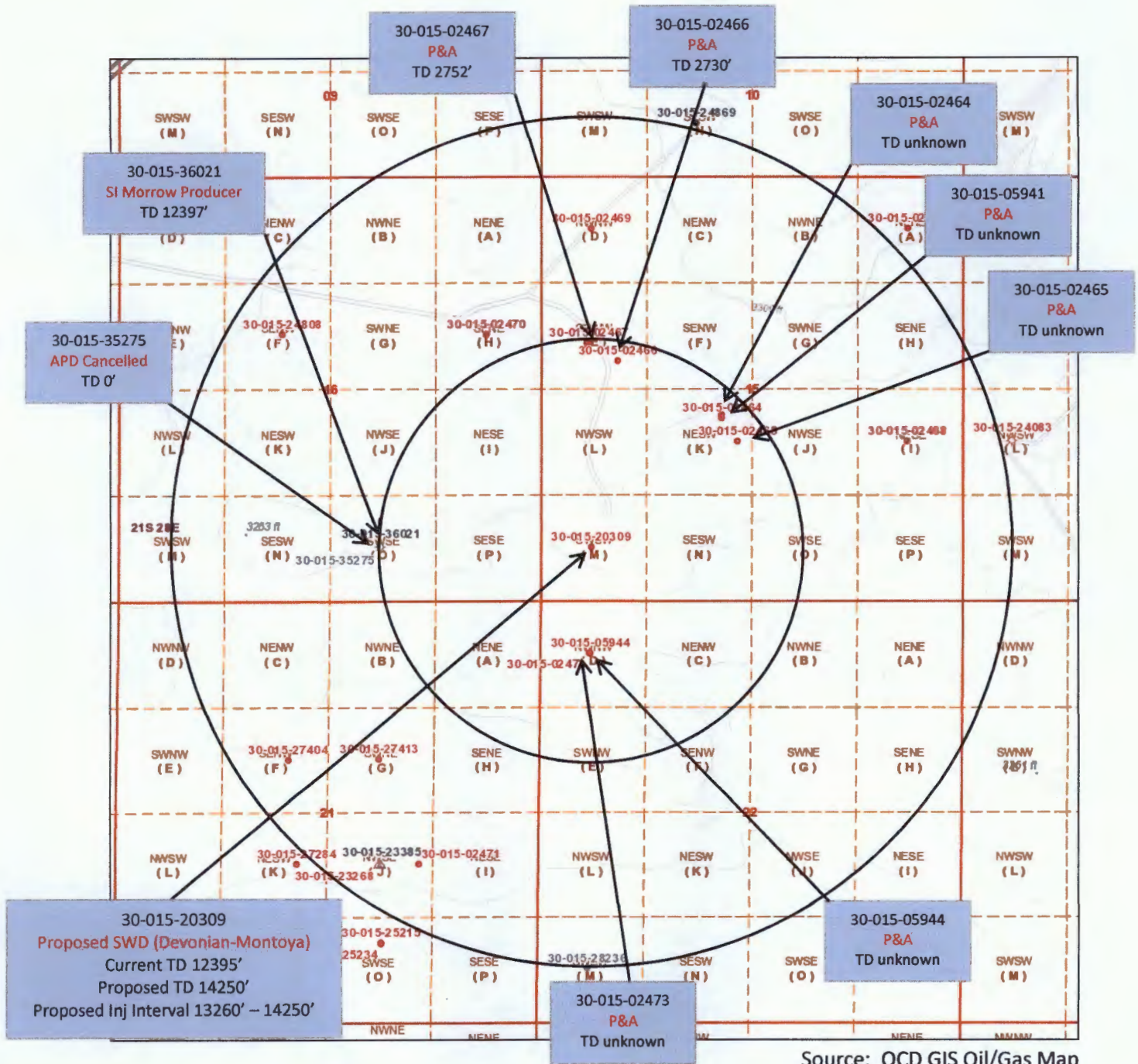
EXHIBIT "A"



Source: Millwright, Inc.

EXHIBIT "B"

Judah Oil, LLC
 Shinnery Oak Fed SWD #2
 API 30-015-20309
 660' FSL x 660' FWL, UL 'M', Sec 15, T21S, R28E
 0.5 and 1 Mile AORs



Source: OCD GIS Oil/Gas Map

There are no offset wells within the 0.5 mile or 1 mile AORs that penetrate the proposed injection interval.

EXHIBIT "C"

Judah Oil, LLC
Shinnery Oak Fed SWD #2
API # 30-015-20309
Offset Wells within 0.5 Mile and 1 Mile AORs

0.5 Mile AOR

There are nine offset wells located 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-15-21S-28E	30-015-02466	Muse Fed #1	2730'	P&A
E-15-21S-28E	30-015-02467	Muse Fed #2	2752'	P&A
K-15-21S-28E	30-015-02464	C F Ingram #1	unknown	P&A - no data available in OCD files
K-15-21S-28E	30-015-02465	Leila C Fulton #1	unknown	P&A - no data available in OCD files
K-15-21S-28E	30-015-05941	C F Ingram #1	unknown	P&A - no data available in OCD files
O-16-21S-28E	30-015-35275	Big Eddy Unit #168C	0'	Cancelled APD – well never drilled
O-16-21S-28E	30-015-36021	Big Eddy Unit #168	12397'	Shut In since July 2017 (Morrow)
D-22-21S-28E	30-015-02473	Yates Nix #3	unknown	P&A - no data available in OCD files
D-22-21S-28E	30-015-05944	Yates Nix #3	unknown	P&A - no data available in OCD files

1 Mile AOR

There are nine offset wells located outside the 0.5 mile AOR, but located 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
D-15-21S-28E	30-015-02469	Schuster-Messinger #2	unknown	P&A - no data available in OCD files
I-15-21S-28E	30-015-02468	Page #1	2649'	P&A
F-16-21S-28E	30-015-24808	Big Eddy Unit #99	5250'	P&A
H-16-21S-28E	30-015-02470	Momsen State #1	2659'	P&A
F-21-21S-28E	30-015-27404	Garretson AMI Fed #3	6080'	P&A
G-21-21S-28E	30-015-27413	Garretson AMI Fed #4	unknown	P&A - no data available in OCD files
J-21-21S-28E	30-015-02471	Yates Nix #1	unknown	P&A - no data available in OCD files
J-21-21S-28E	30-015-23385	Big Eddy Unit #79Y	12377'	Active Delaware SWD
J-21-21S-28E	30-015-23268	Big Eddy Unit #79	1646'	P&A

None of the offset wells listed above penetrate the proposed disposal zone (13260' – 14250').

EXHIBIT "C"

Judah Oil, LLC
Shinnery Oak Fed SWD #2
API # 30-015-20309
Unit Letter 'M', Section 15, T21S, R28E
Eddy County, New Mexico

<u>API Number</u>	<u>Injection Formation Water Formation</u>	<u>TDS</u>	<u>Chlorides</u>
30-015-05819	Devonian	28,500	13,900

<u>API Number</u>	<u>Possible Disposal Fluid Formation</u>	<u>TDS</u>	<u>Chlorides</u>
30-015-10329	Artesia	43,392	20,700
30-015-20179	Delaware	19,205	8,484
30-015-10775	Strawn	122,896	75,260
30-015-29234	Morrow	31,642	19,505
30-015-21640	Bone Spring	131,898	85,953
30-015-22299	Wolfcamp	41,597	25,000

Data obtained from GO-Tech NMWAIDS data base.

EXHIBIT "D"



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

No records found.

PLSS Search:

Section(s): 0, 10, 15, 16, 21, 22 **Township:** 21S **Range:** 28E

OSE records indicated there are no fresh water wells located within the 1 mile AOR.

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.

5/21/18 3:53 PM

EXHIBIT "E"

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Legal Notice

Affidavit of Publication

No. 24683

State of New Mexico

County of Eddy:

Danny Scott

being duly sworn says that she is the

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 May 23, 2018

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Seventh Publication

Subscribed and sworn before me this

23rd day of May 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 to convert the Big Eddy Unit #32 P&A, API 30-015-20309, located at 660' FSL x 660' FWL, Unit Letter "M", Section 15, T21S, R28E, Eddy County, New Mexico from a plugged and abandoned well to a commercial salt water disposal well. The proposed well would be renamed as the Shinnery Oak Fed SWD #2. The proposed disposal interval would be the Devonian-Montoya formations through open-hole completion between 13260' - 14250' (near Devonian formation top to 100' into the Montoya formation). Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated average disposal volume is 18,000 BWPD with a maximum anticipated volume of 20,000 BWPD. Anticipated average disposal pressure is 2000 psi with a maximum disposal pressure of 2652 psi. The well would be located approximately 9 miles northeast of Carlsbad, 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., May 23, 2018 Legal No. 24683.

Exhibit "F"



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

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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 586225.35

Northing (Y): 3593287.17

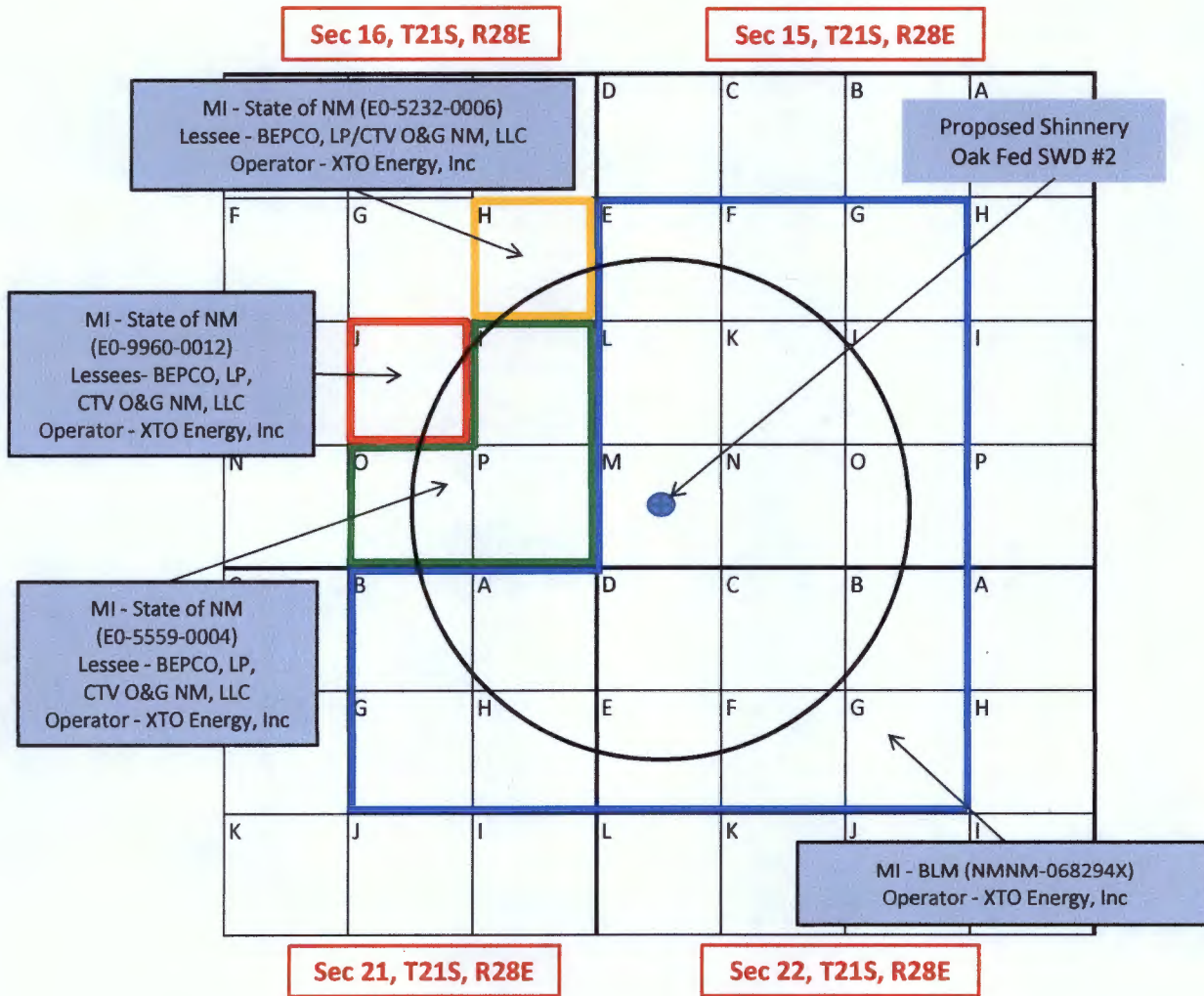
Radius: 1609.1

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.

4/30/19 11:33 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Judah Oil, LLC
Shinnery Oak Fed SWD #2
API # 30-015-20309



This location 660' FSL X 660' FWL
Surface Owner - US Dept of Interior, Bureau of Land Management,
620 E. Greene Street, Carlsbad, NM 88220
Drawing not to scale

EXHIBIT "F"

Judah Oil, LLC
Shinnery Oak Fed SWD #2
API #30-015-20309

EXHIBIT 'F' - NOTIFICATION LIST

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
1	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220	Surface Owner

Section 15, T21S, R28E, NMPM (All ULs)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220	Mineral Owner
2	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
	BOPCO, LP	P. O. Box 2760	Midland, TX 79702	Lessee
	CTV Oil & Gas NM, LLC	201 Main Street, Suite 2700	Ft Worth, TX 76102-3131	Lessee

Section 16, T21S, R28E, NMPM (UL H)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
3	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
	BOPCO, LP	P. O. Box 2760	Midland, TX 79702	Lessee
	CTV Oil & Gas NM, LLC	201 Main Street, Suite 2700	Ft Worth, TX 76102-3131	Lessee

Section 16, T21S, R28E, NMPM (ULs I, 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
	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
	BOPCO, LP	P. O. Box 2760	Midland, TX 79702	Lessee
	CTV Oil & Gas NM, LLC	201 Main Street, Suite 2700	Ft Worth, TX 76102-3131	Lessee

Section 16, T21S, R28E, NMPM (UL J)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
	BOPCO, LP	P. O. Box 2760	Midland, TX 79702	Lessee
	CTV Oil & Gas NM, LLC	201 Main Street, Suite 2700	Ft Worth, TX 76102-3131	Lessee

EXHIBIT "F"

Judah Oil, LLC
Shinnery Oak Fed SWD #2
API #30-015-20309

EXHIBIT 'F' - NOTIFICATION LIST

Section 21, T21S, R28E, NMPM (ULs A, B, H)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220	Mineral Owner
	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
	BOPCO, LP	P. O. Box 2760	Midland, TX 79702	Lessee
	CTV Oil & Gas NM, LLC	201 Main Street, Suite 2700	Ft Worth, TX 76102-3131	Lessee

Section 22, T21S, R28E, NMPM (ULs B, C, D, E, F)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220	Mineral Owner
	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
	BOPCO, LP	P. O. Box 2760	Midland, TX 79702	Lessee
	CTV Oil & Gas NM, LLC	201 Main Street, Suite 2700	Ft Worth, TX 76102-3131	Lessee

NMOCD Notices

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

Notices mailed 5/22/18

Notice mailed 5/29/18

Note: XTO Energy, Inc operates the Big Eddy Unit acreage within the AOR. This unit was approved by Order R-152 dated April 28, 1952. The Big Eddy Unit includes all formations below the base of the Delaware formation or 5000'. According to State Land Office records, there are no Devonian or Montoya Pools within the Big Eddy Unit. Since these formations are non-productive within the unit boundary, they are not considered to be within the unitized interval.

EXHIBIT "F"



Date: May 28, 2018

Danny Holcomb:

The following is in response to your May 28, 2018 request for delivery information on your Certified Mail™ item number 70151730000222123602. The delivery record shows that this item was delivered on May 24, 2018 at 12:03 pm in CARLSBAD, NM 88220. The scanned image of the recipient information is provided below.

Signature of Recipient :

Address of Recipient :

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 ™.	
CARLSBAD, NM 88220	
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	United States Dept of Interior Bureau of Land Management 620 E. Greene Street Carlsbad, NM 88220-6292
Street and Apt. No.	
City, State, ZIP+4®	
PS Form 3800, Apr 2015	

2015 1730 0002 2221 23602

05/22/2018

0206 08

Postmark Here



Date: May 28, 2018

Danny Holcomb:

The following is in response to your May 28, 2018 request for delivery information on your Certified Mail™ item number 70151730000222123640. The delivery record shows that this item was delivered on May 24, 2018 at 11:26 am in ARTESIA, NM 88210. The scanned image of the recipient information is provided below.

Signature of Recipient :

Address of Recipient :

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 3640

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	\$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

0206 08
Postmark Here
05/22/2018
PS Form 3800, Apr 2017

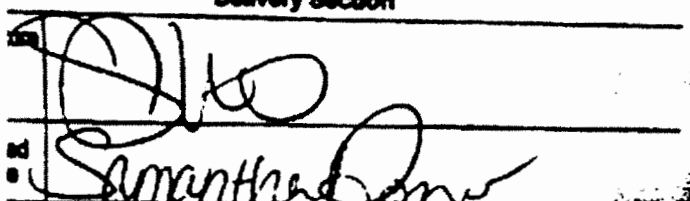


Date: May 28, 2018

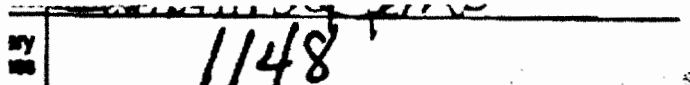
Danny Holcomb

The following is in response to your May 28, 2018 request for delivery information on your Certified Mail™ item number 7015173000222123626. The delivery record shows that the item was delivered on May 25, 2018 at 7:39 am in SANTA FE, NM 87501. The scanned image of the recipient information is provided below.

Signature of Recipient:

Delivery Section
Signature of Recipient: 

Address of Recipient:



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 3626

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)	\$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 \$5.58

Sent To
Street and Apt. No.
City, State, ZIP+4®

0206 08
Postmark Here
05/22/2018

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

PS Form 3800, Apr 2016



Date: May 31, 2018

Danny Holcomb:

The following is in response to your May 31, 2018 request for delivery information on your Certified Mail® item number 7015173000022123657. The delivery record shows that this item was delivered on May 31, 2018 at 1:29 pm in MIDLAND, TX 79707. The scanned image of the recipient information is provided below.

Signature of Recipient:

Patty Edens

Address of Recipient:

6401 Holiday Hill
Midland, TX 79707

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

MIDLAND, TX 79707

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 \$1.42

Total Postage and Fees \$6.37

Sent To

Street and Apt. No.

City, State, ZIP+4®

PS Form 3800, Apr 2017

0206
JORDAN STATION
MAY 31 2018
MIDLAND, TX 79707

7015 1730 0002 2212 3657

Holcomb Consultants
6900 Spring Cherry Lane
Amarillo, Texas 79124

May 31, 2018 10:07 AM

May 31, 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
Shinnery Oak Fed SWD #2 (30-015-20309)

Gentlemen,

Attached is the original AOP received from the Artesia Daily Press for the legal notice publication made on May 23, 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,



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

Attachment

Affidavit of Publication

No. 24683

State of New Mexico

County of Eddy:

Danny Scott

being duly sworn says that she is the

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 May 23, 2018

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Seventh Publication

Subscribed and sworn before me this

23rd day of May 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 to convert the Big Eddy Unit #32 P&A, API 30-015-20309, located at 660' FSL x 660' FWL, Unit Letter "M", Section 15, T21S, R28E, Eddy County, New Mexico from a plugged and abandoned well to a commercial salt water disposal well. The proposed well would be renamed as the Shinnery Oak Fed SWD #2. The proposed disposal interval would be the Devonian-Montoya formations through open-hole completion between 13260' - 14250' (near Devonian formation top to 100' into the Montoya formation). Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated average disposal volume is 18,000 BWPD with a maximum anticipated volume of 20,000 BWPD. Anticipated average disposal pressure is 2000 psi with a maximum disposal pressure of 2652 psi. The well would be located approximately 9 miles northeast of Carlsbad, 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., May 23, 2018 Legal No. 24683.

The map displays various land parcels with owner names and addresses. A large blue circle highlights a specific parcel. The map includes a search bar at the top left, a scale bar at the bottom left, and a north arrow at the bottom right. The map is overlaid with a grid of red lines.

Key features and labels on the map include:

- Search Bar:** Located at the top left, with the text "Find address or place".
- Scale Bar:** Located at the bottom left, showing distances in feet (0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000).
- North Arrow:** Located at the bottom right, pointing upwards.
- Parcel Labels:** Numerous parcels are labeled with owner names and addresses, such as "30-015-02089", "30-015-02090", "30-015-02091", "30-015-02092", "30-015-02093", "30-015-02094", "30-015-02095", "30-015-02096", "30-015-02097", "30-015-02098", "30-015-02099", "30-015-02100", "30-015-02101", "30-015-02102", "30-015-02103", "30-015-02104", "30-015-02105", "30-015-02106", "30-015-02107", "30-015-02108", "30-015-02109", "30-015-02110", "30-015-02111", "30-015-02112", "30-015-02113", "30-015-02114", "30-015-02115", "30-015-02116", "30-015-02117", "30-015-02118", "30-015-02119", "30-015-02120", "30-015-02121", "30-015-02122", "30-015-02123", "30-015-02124", "30-015-02125", "30-015-02126", "30-015-02127", "30-015-02128", "30-015-02129", "30-015-02130", "30-015-02131", "30-015-02132", "30-015-02133", "30-015-02134", "30-015-02135", "30-015-02136", "30-015-02137", "30-015-02138", "30-015-02139", "30-015-02140", "30-015-02141", "30-015-02142", "30-015-02143", "30-015-02144", "30-015-02145", "30-015-02146", "30-015-02147", "30-015-02148", "30-015-02149", "30-015-02150", "30-015-02151", "30-015-02152", "30-015-02153", "30-015-02154", "30-015-02155", "30-015-02156", "30-015-02157", "30-015-02158", "30-015-02159", "30-015-02160", "30-015-02161", "30-015-02162", "30-015-02163", "30-015-02164", "30-015-02165", "30-015-02166", "30-015-02167", "30-015-02168", "30-015-02169", "30-015-02170", "30-015-02171", "30-015-02172", "30-015-02173", "30-015-02174", "30-015-02175", "30-015-02176", "30-015-02177", "30-015-02178", "30-015-02179", "30-015-02180", "30-015-02181", "30-015-02182", "30-015-02183", "30-015-02184", "30-015-02185", "30-015-02186", "30-015-02187", "30-015-02188", "30-015-02189", "30-015-02190", "30-015-02191", "30-015-02192", "30-015-02193", "30-015-02194", "30-015-02195", "30-015-02196", "30-015-02197", "30-015-02198", "30-015-02199", "30-015-02200", "30-015-02201", "30-015-02202", "30-015-02203", "30-015-02204", "30-015-02205", "30-015-02206", "30-015-02207", "30-015-02208", "30-015-02209", "30-015-02210", "30-015-02211", "30-015-02212", "30-015-02213", "30-015-02214", "30-015-02215", "30-015-02216", "30-015-02217", "30-015-02218", "30-015-02219", "30-015-02220", "30-015-02221", "30-015-02222", "30-015-02223", "30-015-02224", "30-015-02225", "30-015-02226", "30-015-02227", "30-015-02228", "30-015-02229", "30-015-02230", "30-015-02231", "30-015-02232", "30-015-02233", "30-015-02234", "30-015-02235", "30-015-02236", "30-015-02237", "30-015-02238", "30-015-02239", "30-015-02240", "30-015-02241", "30-015-02242", "30-015-02243", "30-015-02244", "30-015-02245", "30-015-02246", "30-015-02247", "30-015-02248", "30-015-02249", "30-015-02250", "30-015-02251", "30-015-02252", "30-015-02253", "30-015-02254", "30-015-02255", "30-015-02256", "30-015-02257", "30-015-02258", "30-015-02259", "30-015-02260", "30-015-02261", "30-015-02262", "30-015-02263", "30-015-02264", "30-015-02265", "30-015-02266", "30-015-02267", "30-015-02268", "30-015-02269", "30-015-02270", "30-015-02271", "30-015-02272", "30-015-02273", "30-015-02274", "30-015-02275", "30-015-02276", "30-015-02277", "30-015-02278", "30-015-02279", "30-015-02280", "30-015-02281", "30-015-02282", "30-015-02283", "30-015-02284", "30-015-02285", "30-015-02286", "30-015-02287", "30-015-02288", "30-015-02289", "30-015-02290", "30-015-02291", "30-015-02292", "30-015-02293", "30-015-02294", "30-015-02295", "30-015-02296", "30-015-02297", "30-015-02298", "30-015-02299", "30-015-02300", "30-015-02301", "30-015-02302", "30-015-02303", "30-015-02304", "30-015-02305", "30-015-02306", "30-015-02307", "30-015-02308", "30-015-02309", "30-015-02310", "30-015-02311", "30-015-02312", "30-015-02313", "30-015-02314", "30-015-02315", "30-015-02316", "30-015-02317", "30-015-02318", "30-015-02319", "30-015-02320", "30-015-02321", "30-015-02322", "30-015-02323", "30-015-02324", "30-015-02325", "30-015-02326", "30-015-02327", "30-015-02328", "30-015-02329", "30-015-02330", "30-015-02331", "30-015-02332", "30-015-02333", "30-015-02334", "30-015-02335", "30-015-02336", "30-015-02337", "30-015-02338", "30-015-02339", "30-015-02340", "30-015-02341", "30-015-02342", "30-015-02343", "30-015-02344", "30-015-02345", "30-015-02346", "30-015-02347", "30-015-02348", "30-015-02349", "30-015-02350", "30-015-02351", "30-015-02352", "30-015-02353", "30-015-02354", "30-015-02355", "30-015-02356", "30-015-023

Capiten

keef

Δ Proposed SWD

McMillan, Michael, EMNRD

From: danny@pwllc.net
Sent: Tuesday, April 30, 2019 2:36 PM
To: McMillan, Michael, EMNRD
Cc: Goetze, Phillip, EMNRD; Sanchez, Daniel J., EMNRD
Subject: [EXT] RE: Judah Oil, LLC additional bonding requirement

Michael,
Thank you for the information.

Judah plugged the Lackawana #3 well in January, 2019. They are working with District 2 to get the plugging C-103 approved which should resolve the additional bonding issue. I will let you know when this is resolved.

Thank you,
Danny J. Holcomb
Holcomb Consultants
6900 Spring Cherry Lane
Amarillo, Tx 79124
Cell: 806-471-5628
Email: danny@pwllc.net

----- Original Message -----

Subject: Judah Oil, LLC additional bonding requirement
From: "McMillan, Michael, EMNRD" <Michael.McMillan@state.nm.us>
Date: Tue, April 30, 2019 2:39 pm
To: "danny@pwllc.net" <danny@pwllc.net>
Cc: "Goetze, Phillip, EMNRD" <Phillip.Goetze@state.nm.us>, "Sanchez, Daniel J., EMNRD" <daniel.sanchez@state.nm.us>

Danny:
Judah is out of 5.9 compliance for the well listed below

Property	Well Name	Lease Type	ULSTR	OCD Unit Letter	API	Well Type	Last Prod/Inj	Inactive	Additional Bond Due	Bonding Depth	Required Bond Amount	Bond Required Now	Covered
303432	LACKAWANA #003				S	G-21-18S-28E		G	30-015-01975	O	12/2016	01/2019	

Michael McMillan
1220 South St. Francis
Santa Fe, New Mexico
505-476-3448
Michael.mcmillan@state.nm.us



FORM C-108 Technical Review Summary [Prepared by reviewer and included with application; V17]

DATE RECORD: First Rec: 6/04/2014 Admin Complete: _____ or Suspended: _____ Add. Request/Reply: _____

ORDER TYPE: WFX / PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: _____

Well No. 32 Well Name(s): Big Eddy Unit (Reclaimed Slurry O&F) SWD #2
 API: 30-0 15-20309 Spud Date: 6-6-1970 New or Old (EPA): 010 (UIC Class II Primacy 03/07/1982)
 Footages 660 FSL Lot _____ or Unit M Sec 15 Tsp 215 Rge 28E County Eddy

General Location: 8 miles NE / CARLSBAD Pool: _____ Pool No.: _____
 BLM 100K Map: CARLSBAD Operator: _____ OGRID: 245876 Contact: Denny Hurren's Agent

COMPLIANCE RULE 5.9: Total Wells: 35 Inactive: 0 Fincl Assur: OK Compl. Order? NA IS 5.9 OK? X Date: 5-27-2014

WELL FILE REVIEWED ☐ Current Status: P&A

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

Planned Rehab Work to Well: clean out plugs, deepen to Del-sil, run 7" casing

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	<u>17 1/2" / 13 3/8"</u>	<u>497</u>	<u>550</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>12 1/4" / 9 5/8"</u>	<u>2524</u>	<u>2025</u>	<u>375' / T.S.</u>
Planned ___ or Existing ___ Interm/Prod	<u>8 3/4" / 7"</u>	<u>13260</u>	<u>2200</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing ___ Liner				
Planned ___ or Existing <input checked="" type="radio"/> PERF	<u>13260 - 14250</u>			

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		<u>u &</u>	<u>13100</u>	Drilled TD <u>11758</u> / PBTD <u>12359</u>
Confining Unit: Litho. Struc. Por.		<u>DU</u>	<u>13250</u>	NEW TD <u>14250</u> NEW PBTD _____
Proposed Inj Interval TOP:		<u>u &</u>	<u>14150</u>	NEW Open Hole <input checked="" type="radio"/> or NEW Perfs <input type="radio"/>
Proposed Inj Interval BOTTOM:				Tubing Size <u>4 1/2</u> in. Inter Coated? _____
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth <u>13200</u> ft
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth <u>13160</u> (100-ft limit)
				Proposed Max. Surface Press. <u>2652</u> psi
				Admin. Inj. Press. <u>2652</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P _____ Noticed? _____ BLM Sec Ord ☐ WIPP ☐ Noticed? _____ Salt/Salado T: _____ B: _____ NW: Cliff House fm _____

USDW: Aquifer(s) _____ Max Depth _____ HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: CAPITAN CAPITAN REEF: thru _____ adj NA No. GW Wells in 1-Mile Radius? 0 FW Analysis? NA

Disposal Fluid: Formation Source(s) _____ Analysis? _____ On Lease ☐ Operator Only ☐ or Commercial ☐

Disposal Interval: Inject Rate (Avg/Max BWPD): 18K/20K Protectable Waters? _____ Source: _____ System: Closed or Open

HC Potential: Producing Interval? NA Formerly Producing? _____ Method: Logs/DST/P&A/Other negative 2-Mi Radius Pool Map ☐

AOR Wells: 1/2-M Y or ONE-M Y RADIUS MAP/WELL LIST: Total Penetrating Wells: 0 [AOR Hor: _____ AOR SWDs: _____]

Penetrating Wells: No. Active Wells 0 No. Corrective? _____ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 0 No. Corrective? _____ on which well(s)? _____ Diagrams? _____

Induced-Seismicity Risk Assess: analysis submitted NA historical/catalog review _____ fault-slip model _____ probability _____

NOTICE: 1/2-M Y or ONE-M Y : Newspaper Date 5-23-2018 Mineral Owner* BLM Surface Owner BLM N. Date 5-28-2018

RULE 26.7(A): Identified Tracts? Y Affected Persons*: XTO, (BSP), NMSU N. Date 5-31-2018

* new definition as of 12/28/2018 [any the mineral estate of United States or state of New Mexico; SWD operators within the notice radius]

Order Conditions: Issues: * C-B-L new casing from surface to TD

Additional COAs: Limited to Silurian Delunian (13260-14100)