

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF JUDAH OIL, LLC
FOR AUTHORIZATION TO INJECT INTO
THE SHINNERY OAK SWD No. 3 WELL FOR
PURPOSES OF DISPOSAL, EDDY COUNTY,
NEW MEXICO.**

CASE NO. 20442

APPLICATION

Judah Oil, LLC ("Judah"), OGRID No. 245872, through its undersigned attorneys, hereby files this application with the Oil Conservation Division pursuant to the provisions of N.M. Stat. Ann. § 70-2-17, for an order authorizing injection of produced salt water for purposes of disposal. In support, Judah states the following:

1. On December 27, 2018, Judah filed the attached Form C-108 application for authorization to inject. *See* C-108, attached as **Exhibit A**, and incorporated herein.
2. Judah proposes to drill a new commercial salt water disposal well to be named **Shinnery Oak SWD No. 3 Well** (API No. 30-015-PENDING), which will be located 3,312 feet from the south line and 1,014 feet from the west line (Lot 13), Section 2, Township 21 South, Range 28 East, NMPM, Eddy County, New Mexico.
3. The proposed injection disposal interval would be within the Devonian-Montoya formations through an open-hole completion between 13,400 feet and 14,420 feet below the ground.
4. Disposal fluid would be produced salt water from producing oil and gas wells in the area.

5. The estimated average disposal volume will be 20,000 barrels of water per day with a maximum anticipated volume of 25,000 barrels of water per day. The average injection pressure is expected to be approximately 1,600 psi with a maximum injection pressure of 2,680 psi.

6. The granting of this application will avoid the drilling of unnecessary wells, will prevent waste, and will protect correlative rights.

WHEREFORE, Judah Oil, LLC requests that this application be set for hearing before an Examiner of the Oil Conservation Division on May 2, 2019, and, after notice and hearing as required by law, the Division enter an order approving this application.

Respectfully submitted,

HOLLAND & HART LLP

By: 

Michael H. Feldewert

Adam G. Rankin

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ATTORNEYS FOR JUDAH OIL, LLC

CASE 20442

Application of Judah Oil, LLC For Authorization to Inject into the Shinnery Oak SWD No. 3 Well For Purposes of Disposal, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order authorizing it to drill and operate an injection well for purposes of disposing produced salt water to be named the **Shinnery Oak SWD No. 3 Well** (API No. 30-015-pending), to be located 3,312 feet from the south line and 1,014 feet from the west line (Lot 13), in Section 2, Township 21 South, Range 28 East, NMPM, Eddy County, New Mexico. Injection would be into the Devonian-Montoya formations through an open-hole completion between 13,400 feet and 14,420 feet. Disposal fluid will be produced water from producing oil and gas wells in the area. Average disposal volume will be 20,000 bpd with a maximum of 25,000 bpd. Average injection pressure will be 1,600 psi with a maximum injection pressure of 2,680 psi. The subject well will be located approximately 6 miles northeast of Carlsbad, N.M.

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

December 27, 2018

*Blaise,
Your copy.
Thank you,
Danny*

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 C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval to drill a new commercial salt water disposal well named Shinnery Oak SWD #3, API 30-015-pending, located at 3312' FSL x 1014' FWL, Lot "13", Section 2, T21S, R28E, Eddy County, New Mexico. The proposed disposal interval would be the Devonian-Silurian formations through open-hole completion between 13400' – 14420' (or 100' into the top of the 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 1600 psi with a maximum disposal pressure of 2680 psi. The well would be located approximately 6 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

EXHIBIT A

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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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: Shinnery Oak SWD #3 API: 30-015-pending
 Pool: SWD; Devonian - Silurian Pool Code: 97869

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

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

A. Location - Spacing Unit - Simultaneous Dedication

☐ NSL

☐ NSP (PROJECT AREA)

☐ NSP (PRORATION UNIT)

☐ SD

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

[I] Commingling - Storage - Measurement

☐ DHC

☐ CTB

☐ PLC

☐ PC

☐ OLS

☐ OLM

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

☐ WFX

☐ PMX

☒ SWD

☐ IPI

☐ EOR

☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

A. ☒ Offset operators or lease holders

B. ☐ Royalty, overriding royalty owners, revenue owners

C. ☒ Application requires published notice

D. ☒ Notification and/or concurrent approval by SLO

E. ☒ Notification and/or concurrent approval by BLM

F. ☒ Surface owner

G. ☒ For all of the above, proof of notification or publication is attached, and/or,

H. ☐ No notice required

FOR OCD ONLY

☐ Notice Complete

☐ Application
Content
Complete

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

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

James B. Campanella

Print or Type Name

Signature

10-29-2018
Date

575-748-5488

Phone Number

jbo@judahoil.com

e-mail Address

EXHIBIT A

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: SWD-1583 (80-015-20866) and a proposed SWD order on (80-015-20309)
- 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: *DJ Holcomb* DATE: 12-10-2018
E-MAIL ADDRESS: danny@pwllc.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 SWD #3
API # 30-015-pending
3312' FSL x 1014' FWL
Lot '13', Section 2, 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 proposed new well to serve as a commercial salt water disposal well. The proposed well name is the Shinnery Oak SWD #3. The injection interval would be in the Devonian - Silurian formations through open-hole completion between 13400' – 14420' (or 100' into the top of the Montoya formation 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 SWD #3
API Number: 30-015-pending
Location: Lot '13', Section 2, T21S, R28E, Eddy County, New Mexico
Operator: Judah Oil, LLC OGRID: 245872
Proposed Formation: SWD; Devonian - Silurian (Pool Code: 97869)
Please see Exhibit "A" for additional well data.

IV.

This is an expansion of an existing project. If approved, the Shinnery Oak SWD #3 will become part of the project approved in AO SWD-1533 for the Pronghorn Fed SWD #1 (30-015-20866) and in another pending SWD application for Shinnery Oak Fed #2 (30-015-20309). The #1 and #2 wells would be served by the existing water station serving the #1 well. The #3 well would have its own water unloading station.

V.

Please see Exhibit "B" for lease map.

VI.

There are seven offset wells located within the 0.5 mile Area of Review. There are seven additional offset wells located within the 0.5 - 1 mile AOR. None of the 14 offset wells penetrate the proposed disposal interval. There is currently only one SWD well (Delaware formation) within 2 miles of the proposed well. See AOR map and a list of offset wells in Exhibit "C".

Judah Oil, LLC
Shinnery Oak SWD #3
API # 30-015-pending
3312' FSL x 1014' FWL
Lot '13', Section 2, T21S, R28E
Eddy County, New Mexico
C-108 Application for Authorization to Inject

VII.

1. Anticipated disposal volume – 20,000 BWPD with a maximum of 25,000 BWPD.
2. System will be closed. The proposed well will receive water via pipeline from a new water unloading station to be built adjoining the well.
3. Anticipated disposal pressure: Average 1600 psig, Maximum 2728 psig.
4. Disposed fluid will be trucked in and pipelined in from other water stations in the area.
Please see Exhibit "D" for fluid analysis from area wells.
5. Please see Exhibit "D" for disposal zone fluid analysis.

VIII.

Formation	Anticipated Depth (ft)	Lithology
T. Rustler	256	Unconsolidated gravel, sand, red beds
T. Salt	650	Salt, anhydrite
B. Salt	1280	Salt, anhydrite
T. Yates	1280	Anhydrite, salt
T. Castile-Capitan Reef	1390	Anhydrite, salt
T. Delaware (Bell Cyn)	3110	Sandstone, shale
T. Bone Spring	6270	Limestone, shale, sandstone
T. Wolfcamp	9668	Shale, limestone, sandstone
T. Penn	10502	Shale, limestone, sandstone
T. Strawn	10818	Limestone, sandstone
T. Morrow	11648	Shale, limestone, sandstone
T. Mississippian	12320	Limestone
T. Woodford	13252	Shale
T. Devonian	13360	Cherty fractured limestone and dolomite
T. Fusselman	13640	Cherty fractured limestone and dolomite
T. Montoya	14320	Cherty fractured limestone and dolomite
Proposed disposal zone	13400 – 14420	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 650'. It is anticipated that the Capitan Reef/fore-reef formation will be encountered about 1390'. Both the Rustler and Capitan Reef formations will be cased off (2 strings) with circulated cement. No underground source of drinking water is known to exist below the proposed disposal zone. See Exhibit "F" for a map of the Capitan Reef in this area.

Judah Oil, LLC
Shinnery Oak SWD #3
API # 30-015-pending
3312' FSL x 1014' FWL
Lot '13', Section 2, T21S, R28E
Eddy County, New Mexico
C-108 Application for Authorization to Inject

IX.

Proposed Completion Procedure: After setting 7-5/8" liner shoe at 13400' and cementing, run 6-1/2" bit, drill out 7-5/8" shoe track and deepen well to TD at 14420' (or 100' into the top of the Montoya formation). 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" Duo-lined injection tubing string and Inconel plated packer will be run. Packer will be set a maximum of 100' above the injection interval.

X.

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

XI.

NM OSE records and a field inspection indicate that 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. See Exhibit "F" for a map of known faults in this area.

XIII.

Please see Exhibit "G" 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: 12-10-2018

Judah Oil, LLC
Shinnery Oak SWD #3
API # 30-015-pending
3312' FNL x 1014' FWL
Lot '13', Section 2, T21S, R28E
Eddy County, New Mexico
Well Data

Propose to drill a salt water disposal well in the Devonian – Silurian formations.

Drill 26" hole to 280', run 20" 94# J-55 surface casing to 280' (min 25' into the Rustler Anhydrite), cement with 500 sacks cement. Circulate cement to surface.

Drill 17-1/2" hole to 3300', run 13-3/8" 61/68# J-55 intermediate casing to 3300', cement with 2400 sacks cement. Circulate cement to surface.

Drill 12-1/4" hole to 9720', run 9-5/8" 43.5/47# HCL-80 production casing to 9720' with DV tool at 5700', cement in 2 stages with 2100 sacks cement. Circulate cement to surface.

Drill 9-1/2" hole to 13400' (or 40' into top of Devonian), run 7-5/8" 39# Q-125 TFJ liner from 9420' – 13280' and 7-5/8" 39# CR13-85 Chrome TFJ liner from 13280' – 13400', cement with 525 sacks cement (30% excess). TOC at ~9420' (@ TOL).

Drill 6-1/2" open-hole to approximately 14420' TD (or 100' into the top of the Montoya), circulate hole clean, log.

Run 5-1/2" 20# HCP-110 Duo-lined injection tubing w/ Buttress threads from 0' – 9100' and 5-1/2" 20# HCP-110 ULTFS (True Flush Joint) Duo-lined injection tubing from 9100' – 13360', set Inconel packer at 13360'.

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

<u>Formation Tops</u>	<u>Anticipated Depths (ft)</u>
Rustler	256
Salado	650
Capitan Reef	1390
Bell Canyon	3110
Bone Spring	6270
Wolfcamp	9668
Strawn	10818
Morrow	11648
Mississippian	12320
Woodford	13252
Devonian	13360
Fusselman	13645
Montoya	14320
Ellenburger	15400
Proposed Disposal Zone	13400 – 14420

EXHIBIT "A"

Judah Oil, LLC

Shinnery Oak SWD #3

API #30-015-Pending

Lot 13, Section 2, T-21-S, R-28-E Eddy County, New Mexico

Proposed New Drill

EXHIBIT "A"

All Depths KB

KB 3344'

GL 3322'

Estimated Formation Tops

Anhy 627

Morrow 11648

Yates 1280

Mississippian 12320

7 Rivers 1390

Woodford 13252

Delaware 3110

Devonian 13360

Bone Spring 6270

Fusselman 13645

Wolfcamp 9668

Montoya 14320

Penn 10502

Strawn 10818

#1 DV/ECP Tool
Set @5700'

0-9100' 5-1/2" HPC-110 20#
w/Buttress R-3 Duo-Lined Tbg

9100'-13360' 5-1/2" HCP-110 20#
ULTFJ (True Flush Joint)
Duo-Lined Tbg

7-5/8" X 5-1/2" Inconel
AS-1 Packer Set @ 13,360'

5-1/2" P-110 Tbg Pup Joint
41' Seamless Chrome

26" Hole 20" csg
94# J-55 Buttress R-3
Set @280'
Cemented to surface

17-1/2" Hole 13-3/8" csg
61# J-55 Buttress R-3 Set @0-2600'
68# J-55 Buttress R-3 Set @2600-3300'
Cemented to surface

12-1/4" Hole 9-5/8" csg
43.5# HCL-80 LT&C R-3 Surface-7725'
47# HCL-80 LT&C R-3 7725'-9720'
Cemented to Surface w/30% excess

5-1/2" Buttress -ULTFJ X/O @ 9100'

TOL @ 9420'

9-1/2" Hole (via bent motor witch) 7-5/8" csg
39# Q-125 S LT TFJ Set @ 9420'-13280',
39# CR13-85 SLT Seamless Chrome TFJ
Set @ 13280'-13400' (min 40' below Dev top)
Cemented to 9420' (TOL) w/30% excess

6-1/2" Open Hole
13,400' to 14,420' (or top 100' of the
Montoya Formation)

EXHIBIT A

Judah Oil, LLC
 Shinnery Oak SWD #3
 API # 30-015-pending
 3312' FSL X 1014' FWL
 Lot '13', Sec 2, T21S, R28E
 Eddy County, New Mexico
 Lease Map - 0.5 Mile and 2 Mile AOR

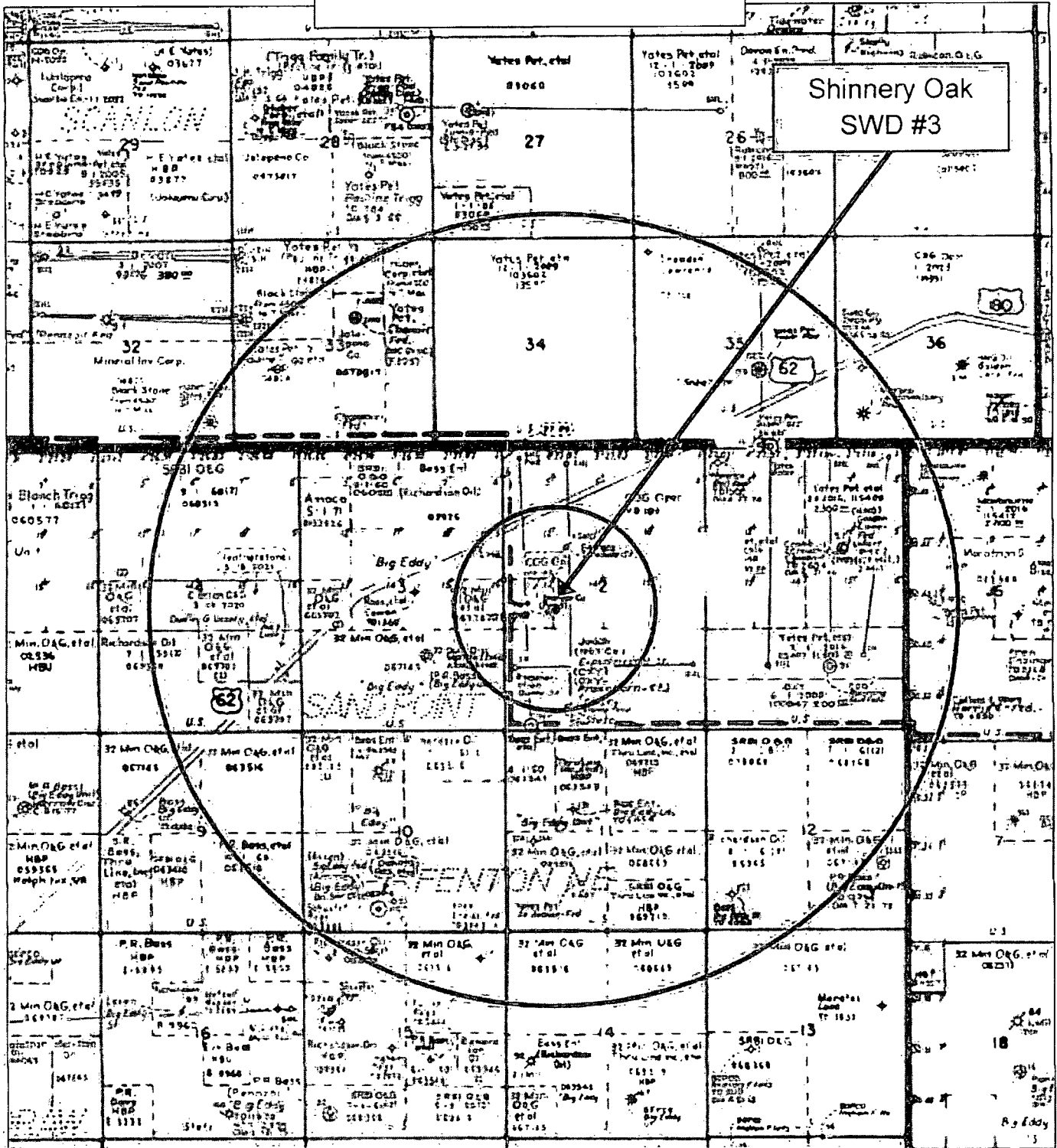
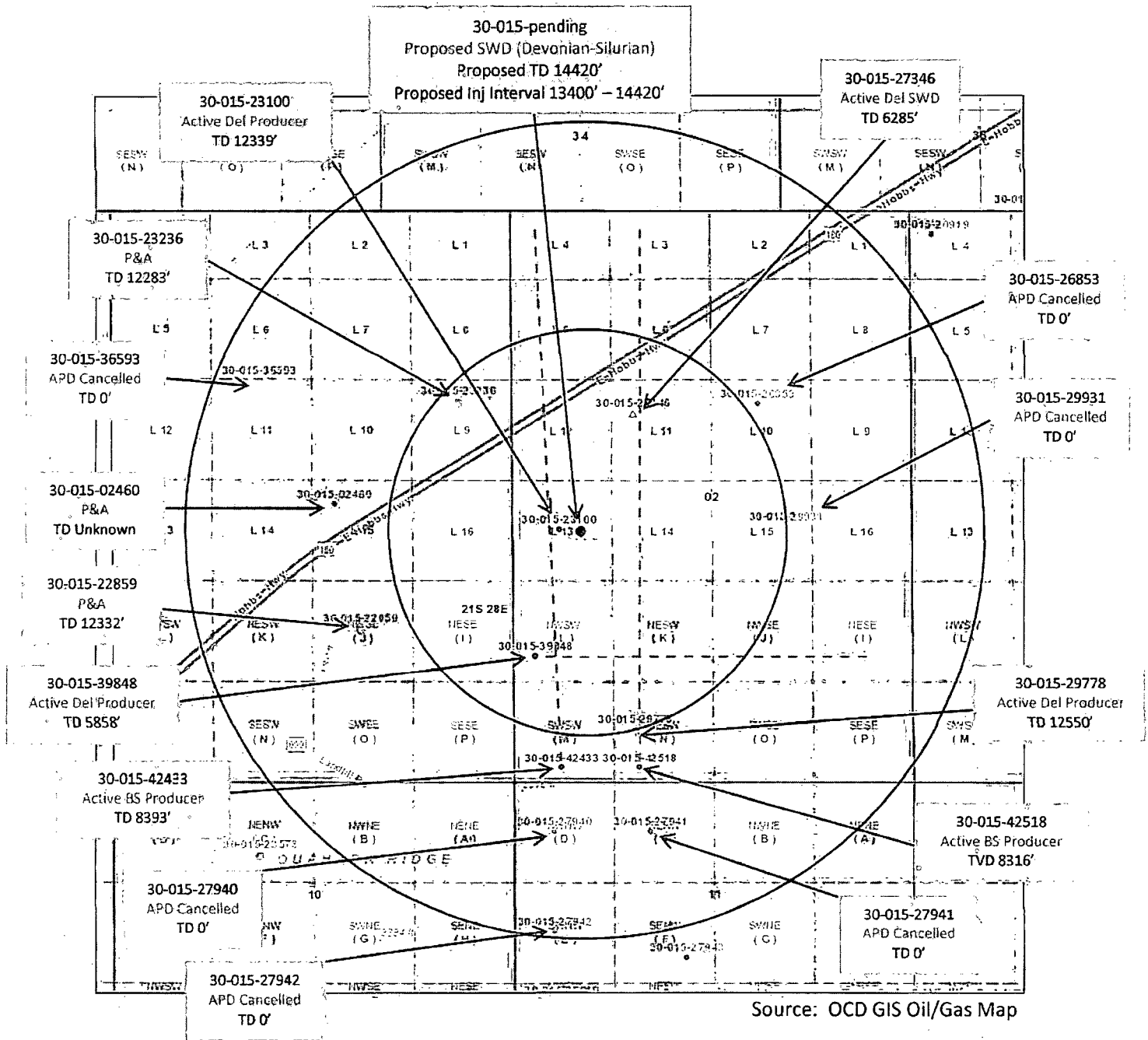


EXHIBIT "B"

Source - Midland Map Co.

Judah Oil, LLC
Shinnery Oak SWD #3
API 30-015-pending
3312' FSL x 1014' FWL, Lot '13', Sec 2, T21S, R28E
0.5 and 1 Mile AORs



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

EXHIBIT "C"

EXHIBIT A

Judah Oil, LLC
Shinnery Oak SWD #3
API # 30-015-pending
Offset Wells within 0.5 Mile and 1 Mile AORs

0.5 Mile AOR

There are five 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
L11-2-21S-28E	30-015-27346	Sand Point State #1	6285'	Active SWD in Delaware formation
L13-2-21S-28E	30-015-23100	State #1	12339'	Active Delaware producer
L15-2-21S-28E	30-015-29931	Oxy Pronghorn State #2	0'	APD cancelled – well never drilled
L-2-21S-28E	30-015-39848	Dump State #3H	5858'	Active Delaware producer
N-2-21S-28E	30-015-29778	Experimental State #1	12550'	Active Delaware producer
L9-3-21S-28E	30-015-23236	Bid Eddy #80	12283'	P&A

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

UL, Sec, T, R	API Well No.	Well Name	TVD	Status
M-2-21S-28E	30-015-42433	Dump Yard 2 State #1H	8393'	Active BS producer
L13-2-21S-28E	30-015-23100	Dump Yard 2 State #2H	8316'	Active BS producer

1 Mile AOR

There are seven 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
L10-2-21S-28E	30-015-26853	Desert Storm State #1	0'	APD cancelled – well never drilled
L11-3-21S-28E	30-015-36593	Big Eddy Unit #193F	0'	APD cancelled – well never drilled
L15-3-21S-28E	30-015-02460	Unknown (Pre-Ongard)	Unknown	P&A – No records in OCD online well file
J-3-21S-28E	30-015-22859	Big Eddy Unit #72	12332'	P&A
C-11-21S-28E	30-015-27941	Big Eddy Unit #129	0'	APD cancelled – well never drilled
D-11-21S-28E	30-015-27940	Big Eddy Unit #128	0'	APD cancelled – well never drilled
E-11-21S-28E	30-015-02471	Big Eddy Unit #130	0'	APD cancelled – well never drilled

None of the offset wells listed above penetrate the proposed disposal zone (19400' – 14420').

EXHIBIT "C"

**Judah Oil, LLC
Shinnery Oak SWD #3
API # 30-015-pending
Lot '13', Section 2, T21S, R28E
Eddy County, New Mexico**

<u>API Number</u>	<u>Injection Formation Water Formation</u>	<u>TDS</u>	<u>Chlorides</u>
30-015-02416	Devonian	39,605	22,620

<u>API Number</u>	<u>Possible Disposal Fluid Formation</u>	<u>TDS</u>	<u>Chlorides</u>
30-015-03642	Artesia	28,684	17,030
30-015-21715	Delaware	149,252	99,299
30-015-24707	Delaware	153,408	103,522
30-015-27288	Bone Spring	6038	3352
30-015-26697	Strawn	90,201	55,380
30-015-27939	Del/Wolfcamp	189,739	116,724
30-015-10044	Morrow	31,191	18,540
30-015-02475	Atoka	50,026	29,200
30-015-02475	Devonian	19,941	10,700

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): 1, 2, 3, 10, 11 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.

10/9/18 4:11 PM

EXHIBIT "E"

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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

No records found.

PLSS Search:

Section(s): 33, 34, 35

Township: 20S

Range: 29E

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

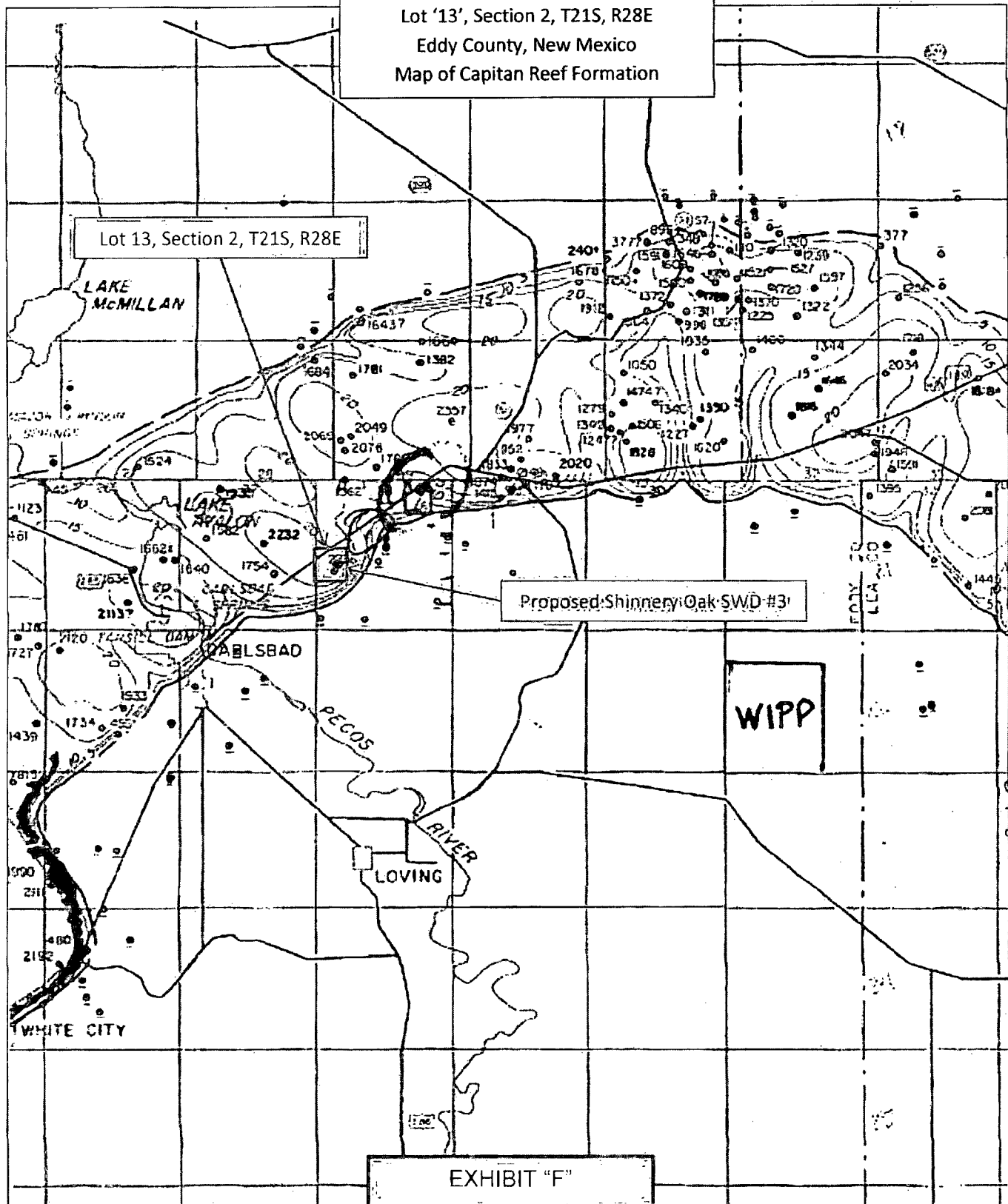
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/9/18 4:14 PM

EXHIBIT "E"

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Judah Oil, LLC
Shinnery Oak SWD #3
API # 30-015-pending
Lot '13', Section 2, T21S, R28E
Eddy County, New Mexico
Map of Capitan Reef Formation



Map Source: OCD Files (SWD-1451)

Judah Oil, LLC
Shinnery Oak SWD #3
API # 30-015-pending
Lot '13', Section 2, T21S, R28E
Eddy County, New Mexico
Geologic Fault Map

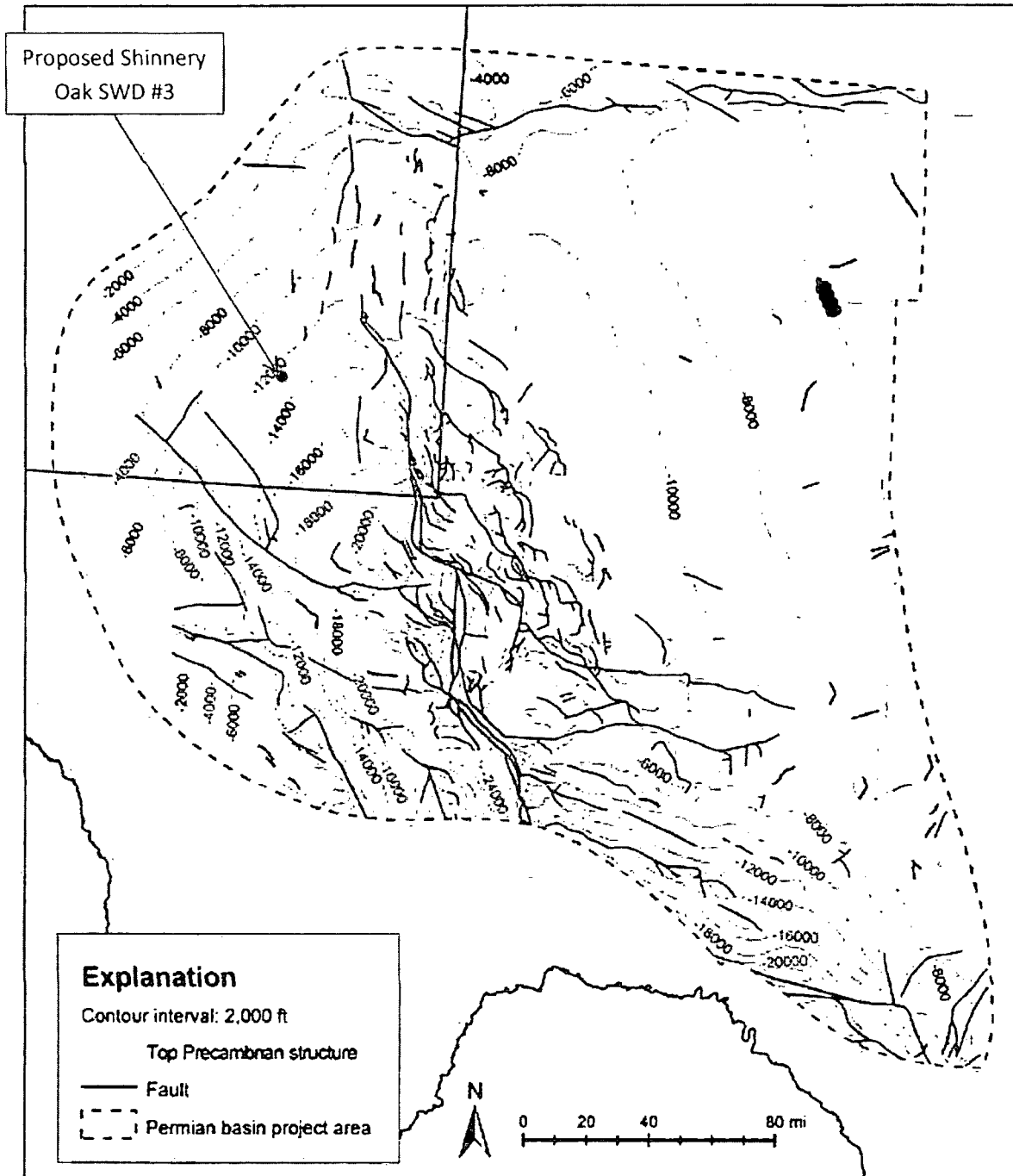


EXHIBIT "F"

Affidavit of Publication

No. 24939

State of New Mexico

County of Eddy

Danny Scott *[Signature]*

being duly sworn says that he 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 December 11, 2018

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Seventh Publication

Subscribed and sworn before me this

11th day of December 2018



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2019

[Signature: Latisha Romine]

Latisha Romine

Notary Public, Eddy County, New Mexico

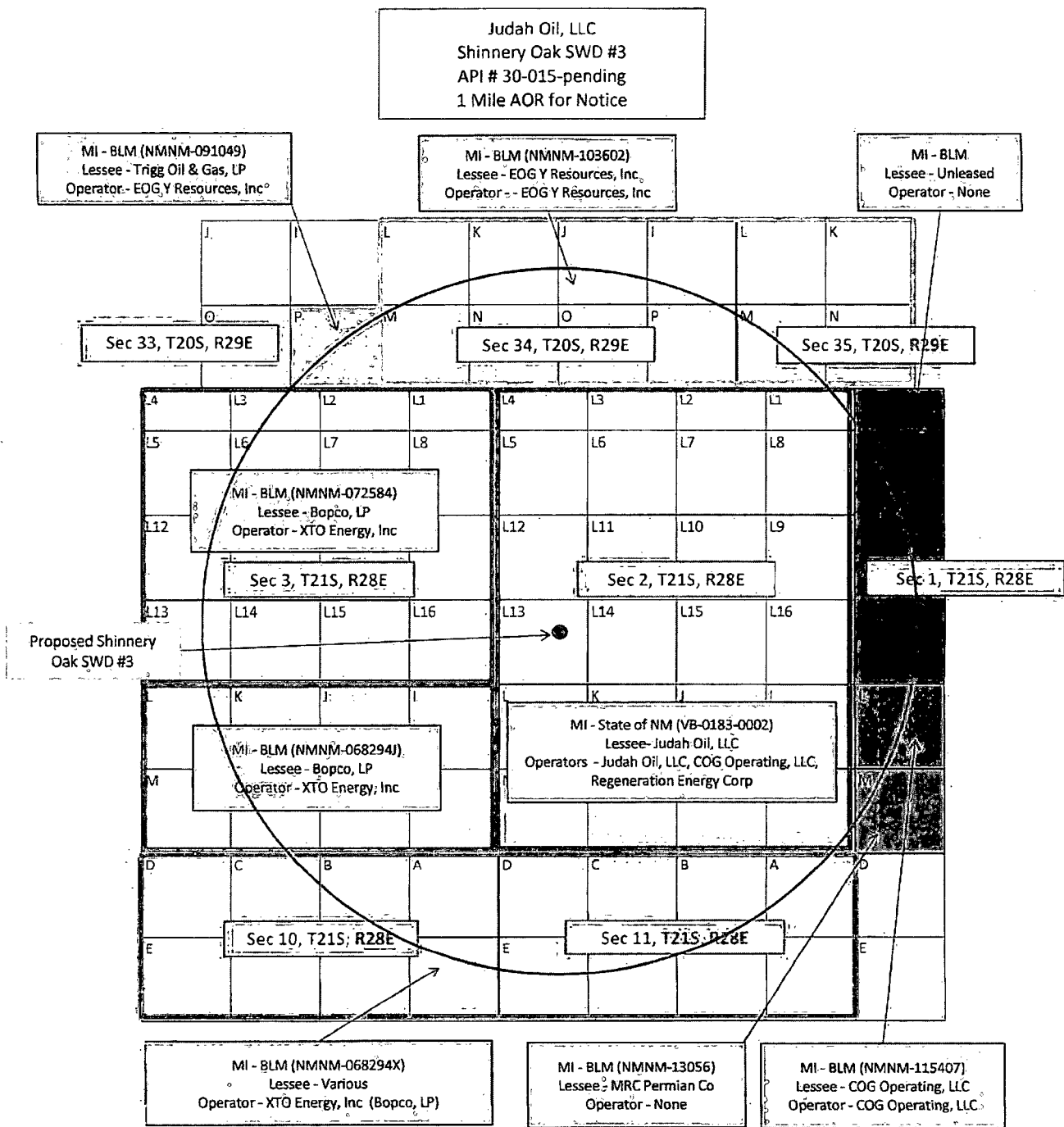
Copy of Publication:

Legal Notice

Judah Oil, LLC, PO Box 568, Artesia, NM 88211 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval to drill a new commercial salt water disposal well named Shinnery Oak SWD #3, API 30-015-pending, located at 3312' FSL x 1014' FWL, Lot "13", Section 2, T21S, R28E, Eddy County, New Mexico. The proposed disposal interval would be the Devonian-Silurian formations through open-hole completion between 13400' - 14420' (or 100' into the top of the 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 1600 psi with a maximum disposal pressure of 2680 psi. The well would be located approximately 6 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., Dec. 11, 2018 Legal No. 24939.

EXHIBIT "G"



This location 3312' FSL X 1018' FWL
Surface Owner - Levi Oil & Gas, LLC, 611 W. Mahone Ave Suite D, Artesia, NM 88211
Drawing not to scale

EXHIBIT "G"

Judah Oil, LLC
Shinnery Oak SWD #3
API #30-015-pending

EXHIBIT 'G' - NOTIFICATION LIST

Section 2, T21S, R28E, NMPM (Lot 13)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
1	Levi Oil & Gas, LLC	611 W. Mahone Ave, Suite D	Artesia, NM 88210-2075	Surface Owner

Section 33, T20S, R29E, NMPM (UL P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner
3	EOG Y Resources, Inc	105 Fourth Street	Artesia, NM 88210-2177	Operator
	Trigg Oil & Gas, LP	P. O. Box 520	Roswell, NM 88202-2323	Lessee

Section 34, T20S, R29E, NMPM (ULs I, J, K, L, M, N, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner
3	EOG Y Resources, Inc	105 Fourth Street	Artesia, NM 88210-2177	Operator
3	EOG Y Resources, Inc	105 Fourth Street	Artesia, NM 88210-2177	Lessee

Section 35, T20S, R29E, NMPM (UL M)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner
3	EOG Y Resources, Inc	105 Fourth Street	Artesia, NM 88210-2177	Operator
3	EOG Y Resources, Inc	105 Fourth Street	Artesia, NM 88210-2177	Lessee

Section 1, T21S, R28E; NMPM (Lots 4, 5, 12, 13)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner
	Unleased			Lessee

Section 1, T21S, R28E, NMPM (UL L)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner.
4	COG Operating, LLC	2208 W. Main Street	Artesia, NM 88210	Operator
4	COG Operating, LLC	2208 W. Main Street	Artesia, NM 88210	Lessee

Section 1, T21S, R28E, NMPM (UL M)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner
5	MRC Permian Company	5400 LBJ Fwy, Suite 1500	Dallas, TX 75240-1017	Lessee

EXHIBIT "G"

Judah Oil, LLC
Shinnery Oak SWD #3
API #30-015-pending

EXHIBIT 'G' - NOTIFICATION LIST

Section 2, T21S, R28E, NMPM (All ULs)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
6	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	Judah Oil, LLC	P. O. Box 568	Artesia, NM 88211	Lessee/Oper
4	COG Operating, LLC	2208 W. Main Street	Artesia, NM 88210	Operator
7	Regeneration Energy Corporation	P. O. Box 210	Artesia, NM 88211-0210	Operator

Section 3, T21S, R28E, NMPM (Lots 1-16)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner
8	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
3	XTO Energy, Inc	3104 E. Greene Street	Carlsbad, NM 88220	Operator
	BOPCO, LP	P. O. Box 2760	Midland, TX 79702	Lessee

Section 3, T21S, R28E, NMPM (ULs I, J, K, N, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner
8	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
3	XTO Energy, Inc	3104 E. Greene Street	Carlsbad, NM 88220	Operator
	BOPCO, LP	P. O. Box 2760	Midland, TX 79702	Lessee

Section 10, T21S, R28E, NMPM (ULs A, B, C, D, E, F, G, H, I)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner
8	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
3	XTO Energy, Inc	3104 E. Greene Street	Carlsbad, NM 88220	Operator
	Various			Lessee

Section 11, T21S, R28E, NMPM (ULs A, B, C, D, E, F, G, H, I)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
2	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220-6292	Mineral Owner
8	XTO Energy, Inc	6401 Holiday Hill Road	Midland, TX 79707	Operator
3	XTO Energy, Inc	3104 E. Greene Street	Carlsbad, NM 88220	Operator
	Various			Lessee

NMOCD Notices

#	NAME	ADDRESS	CITY STATE ZIP
10	NMOCD Engineering Bureau	1220 South St. Francis Drive	Santa Fe, NM 87505
9	NMOCD District 2 Office	811 S. First Street	Artesia, NM 88210-2834

Mailed 12/10/18
Mailed 12/17/18

EXHIBIT "G"



December 12, 2018

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number:
7017 2680 0000 8751 2086.

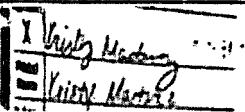
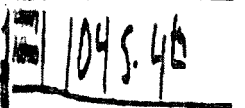
Item Details

Status: Delivered, Left with Individual
Status Date / Time: December 12, 2018, 8:03 am
Location: ARTESIA, NM 88210
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic

Shipment Details

Weight: 4.0oz

Recipient Signature

Signature of Recipient:	
Address of Recipient:	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

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Washington, D.C. 20260-0004

U.S. Postal Service
CERTIFIED MAIL® RECEIPT
Certified Mail Only

For delivery information, visit our website: usps.com

ARTESIA, NM 88210

Official U.S. Postmark: 0206 10 2018

Certified Mail Fee	\$3.45
Postage	\$1.63
Total Postage and Fees	\$6.58

EOG Y Resources, Inc
105 South Fourth Street
Artesia, NM 88210-2177

7017 2680 0000 8751 2086



December 12, 2018

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number:
7017 2680 0000 8751 2130.

Item Details

Status: Delivered
Status Date / Time: December 12, 2018, 10:10 am
Location: ARTESIA, NM 88210
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic

Shipment Details

Weight: 4.0oz

Recipient Signature

Signature of Recipient:

Rene Miller
Rene M. Miller

Address of Recipient:

Box 210

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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Washington, D.C. 20260-0004

U.S. Postal Service®
CERTIFIED MAIL® RECEIPT

ARTESIA, NM 88210

Postage and Fees: \$3.45

Postage: \$1.63

Total Postage and Fees: \$6.58

Regeneration Energy Corp
P. O. Box 210
Artesia, NM 88210-0210

12/10/2018 10:10

7017 2680 0000 8751 2130



December 12, 2018

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number:
7017 2680 0000 8751 2123.

Item Details

Status: Delivered, Left with Individual
Status Date / Time: December 12, 2018, 10:22 am
Location: ARTESIA, NM 88210
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic

Shipment Details

Weight: 4.0oz

Recipient Signature

Signature of Recipient:

Address of Recipient:

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

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Washington, D.C. 20260-0004

U.S. Postal Service
CERTIFIED MAIL® RECEIPT
FIRST-CLASS MAIL PERMIT NO. 1000 ARTESIA, NM

For delivery instructions, visit usps.com

ARTESIA, NM 88210

Certified Mail Fee \$3.45

Postage \$1.63

Total Postage and Fee \$6.58

Postmark Here

12/10/2018

COG Operating LLC
2208 W. Main Street
Artesia, NM 88210

7017 2680 0000 8751 2123



December 12, 2018

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number:
7017 2680 0000 8751 2093.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room
Status Date / Time: December 12, 2018, 11:15 am
Location: DALLAS, TX 75240
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic

Shipment Details

Weight: 4.0oz

Recipient Signature

Signature of Recipient:

Address of Recipient:

5400 LBJ
#1501

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Washington, D.C. 20260-0004

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

Delivery Information: Postmark and Date of Delivery

DALLAS TX 75240

Tracking Number: 7017 2680 0000 8751 2093

Postage: \$3.45

Additional Services & Fees (check box, add fee):

<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

Postmark: 12/10/2018

MRC Permian Company
5400 LBJ Fwy, Suite 1500
Dallas, TX 75240-1017

21
EXHIBIT A



December 12, 2018

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number:
7017 2680 0000 8751 2109.

Item Details

Status:	Delivered, Left with Individual
Status Date / Time:	December 12, 2018, 12:12 pm
Location:	ARTESIA, NM 88210
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic

Shipment Details

Weight: 4.0oz

Recipient Signature

Signature of Recipient:

Address of Recipient:

811 S 1ST
ARTESIA, NM 88210

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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Washington, D.C. 20260-0004

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

For delivery information, visit usps.com

OFFICIAL MAIL

Tracking Number: 7017 2680 0000 8751 2109

Postage: \$1.63

Total Postage and Fees: \$3.45

State of New Mexico
NMOCD District 2 Office
811 S. First Street
Artesia, NM 88210 - 2834

12/10/2018

Postmark Here

12 3 4 5 6 7 8 9 10 11 12

12/10/2018

12 3 4 5 6 7 8 9 10 11 12



December 12, 2018

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number:
7017 2680 0000 8751 2147.

Item Details

Status: Delivered, Front Desk/Reception/Mail Room
Status Date / Time: December 12, 2018, 12:31 pm
Location: CARLSBAD, NM 88220
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic

Shipment Details

Weight: 4.0oz

Recipient Signature

Signature of Recipient:

T. N. M.

Address of Recipient:

620 E. Greene

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
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475 L'Enfant Plaza SW
Washington, D.C. 20260-0004

U.S. Postal Service®
CERTIFIED MAIL® RECEIPT
Address for Return Receipt

For Delivery Information: Visit us at usps.com

CARLSBAD, NM 88220

Certified Mail Fee: 83.45

Extra Services & Fees (check one, add fee):

<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: 81.63

Total Postage and Fees: 165.08

Postmark: 12/10/2018

United States Dept of Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220-6292

7017 2680 0000 8751 2147



December 13, 2018

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number:
7017 2680 0000 8751 2116.

Item Details

Status: Delivered, Left with Individual
Status Date / Time: December 13, 2018, 7:54 am
Location: ARTESIA, NM 88210
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic

Shipment Details

Weight: 4.0oz

Recipient Signature

Signature of Recipient:

Levi Clayton

Address of Recipient:

611 W. Mahone Dr.
Artesia NM 88210

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

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Washington, D.C. 20260-0004

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For delivery to the addressee only. For return to sender, see PS Form 3800, Rev. 11-15.

ARTESIA, NM 88210
Certified Mail Fee \$3.45
Postage \$1.63
Total Postage and Fees \$5.08

7017 2680 0000 8751 2116

Levi Oil & Gas, LLC
611 W. Mahone Drive, Ste D
Artesia, NM 88210-2075

12/13/2018 07:54 AM



December 13, 2018

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number:
7017 2680 0000 8751 2161.

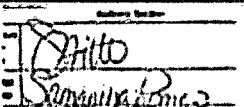
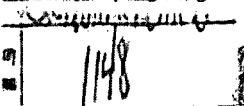
Item Details

Status:	Delivered
Status Date / Time:	December 13, 2018, 11:33 am
Location:	SANTA FE, NM 87501
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic

Shipment Details

Weight: 4.0oz

Recipient Signature

Signature of Recipient:	
Address of Recipient:	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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Washington, D.C. 20260-0004

U.S. Postal Service®
CERTIFIED MAIL® RECEIPT

7017 2680 0000 8751 2161

SAN FEE NM 87501

Postage paid 03.45

Postage 01.63

Total Postage and Fees 05.08

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

12/10/2018

Postmark Here

EXHIBIT A



December 26, 2018

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number:
7017 2680 0000 8751 2185.

Item Details

Status: Delivered
Status Date / Time: December 26, 2018, 3:15 pm
Location: CARLSBAD, NM 88220
Postal Product: First-Class Mail®
Extra Services: Certified Mail™
Return Receipt Electronic

Shipment Details

Weight: 4.0oz

Recipient Signature

Signature of Recipient:

Danny Holcomb

Address of Recipient:

3104 E. Greene

Note: Scanned image may reflect a different destination address due to intended Recipient's delivery instructions on file.

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Washington, D.C. 20260-0004

7017 2680 0000 8751 2185

U.S. Postal Service®
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For delivery information, visit us at usps.com

CARLSBAD, NM 88220

OFFICIAL USE

Certified Mail Fee	\$3.45
Postage	\$1.63
Total Postage and Fees	\$5.08

Additional Services & Fees (check box, add fee to postage):

<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: \$5.08

12/17/2018

XTO Energy, Inc.
3104 E. Greene Street
Carlsbad, NM 88220