

RECEIVED: 10/31/2017	REVIEWER:	TYPE: SWD	APP NO: PMAM173044765
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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

<b>Applicant:</b> Judah Oil, LLC	<b>OGRID Number:</b> 245872
<b>Well Name:</b> Doodle Bug State SWD #1	<b>API:</b> 30-025-pending 44144
<b>Pool:</b> SWD; Devonian-Silurian	<b>Pool Code:</b> 97869

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

SWD

- 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

10/23/2017

Date

575-748-5488

Phone Number

jbc@judahoil.com

e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage  
Application qualifies for administrative approval? X 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 X 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: *DJ Holcomb* DATE: 10/18/2017  
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  
Doodle Bug State SWD #1  
API # 30-025-44144  
1498 FNL x 2389 FEL  
Unit Letter 'G', Section 16, T22S, R33E  
Lea County, New Mexico  
C108 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 Doodle Bug State SWD #1 in the Devonian - Silurian Formations through open hole completion between 16420' – 17200' (to be confirmed by logs).

**II.**

**Operator:** Judah Oil, LLC  
**Address:** P.O. Box 568, Artesia, New Mexico 88211  
**Contact Party:** James Campanella 575-748-5488 email: [ibc@judahoil.com](mailto:ibc@judahoil.com)

**III.**

**Well Name:** Doodle Bug State SWD #1  
**API Number:** 30-025-44144  
**Location:** Unit Letter 'G', Section 16, T22S, R33E, Lea 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 not an expansion of an existing project.

**V.**

Please see Exhibit "B" for lease map.

**VI.**

There is one offset well located within the 0.5 mile Area of Review. It is a horizontal Bone Spring producer that does not penetrate the proposed disposal interval. The surface hole location is outside of the AOR, but the lateral portion runs within the AOR. See AOR map in Exhibit "C".

**VII.**

1. Anticipated disposal volume – 14,000 BWPD with a maximum of 18,000 BWPD.
2. System will be closed. It will include a central tank battery and pump with water trucked in.
3. Anticipated disposal pressure: Average 2200 psig, Maximum 3284 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  
Doodle Bug State SWD #1  
API # 30-025-44144  
1498 FNL x 2389 FEL  
Unit Letter 'G', Section 16, T22S, R33E  
Lea County, New Mexico  
C108 Application for Authorization to Inject

VIII.

Formation	Anticipated Depth (ft)	Lithology
Quaternary	<300'	Unconsolidated gravel, sand, silt, clay
T. Rustler	980	Redbeds, halite, anhydrite
B. Salt	4010	Salt, anhydrite
T. Woodford	16200	Chert, shale, silty sandstone
T. Devonian	16410	Dolomite, chert
T. Silurian	17000	Dolomite, chert
Proposed disposal zone	16420 – 17200	Dolomite, chert
Upper Montoya	17700	Dolomite, chert

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 1130'. There are no fresh water wells located within the 1 mile AOR (see pages 9-10). 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 5-7/8" bit to TD of 17200'. 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. 4-1/2" internally polycore coated injection tubing and nickel plated packer will be run. Packer will be set a maximum of 100' above the liner shoe.

X.

Copies of any/all logs performed will be submitted after completion.

XI.

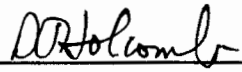
NM OSE records and a field inspection indicate that there are no fresh water wells located within the 1 mile Area of Review. See Exhibit "E" for OSE data base query and an AOR map.

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 are 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 Hobbs News-Sun for the required public notice is attached under separate cover.

Danny J. Holcomb   
Agent for Judah Oil, LLC  
Date: 10/26/2017

**Judah Oil, LLC  
Doodle Bug State SWD #1  
API # 30-025-44144  
1498 FNL x 2389 FEL  
Unit Letter 'G', Section 16, T22S, R33E  
Lea County, New Mexico  
Well Data**

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

Drill 26" hole to 850', run 20" 106.4# J-55 surface casing to 1050', cement with 1050 sacks cement. Circulate cement to surface.

Drill 17-1/2" hole to 4730', run 13-3/8" 68# J-55 intermediate casing to 4730' with DV tool at 3300', cement with 4100 sacks cement. Circulate cement to surface.

Drill 12-1/4" hole to 11,600', run 9-5/8" 53.5# L-80 production casing to 11,600' with DV tool at 5900', cement with 3000 sacks cement. Circulate cement to surface.

Drill 8-1/2" hole to top of Devonian (estimated at 16,420'), run 7-5/8" 39# HC P-110 liner from 4700' to 16,420', cement with 1800 sacks cement. TOC at 4700'.

Drill 5-7/8" hole to approximately 17,200' TD, circulate hole clean, log.

Run 4-1/2" 11.6# N-80/P-110 internally Polycore coated injection tubing, set packer maximum of 100' above top of open hole interval.

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

<b><u>Formation Tops</u></b>	<b><u>Anticipated Depths (ft)</u></b>
<b>Rustler</b>	<b>980</b>
<b>Salado</b>	<b>1130</b>
<b>Capitan Reef</b>	<b>4010</b>
<b>Delaware Sands</b>	<b>5135</b>
<b>Cherry Canyon</b>	<b>6090</b>
<b>Brushy Canyon</b>	<b>7030</b>
<b>Bone Spring</b>	<b>8700</b>
<b>Wolfcamp</b>	<b>11330</b>
<b>Morrow</b>	<b>12330</b>
<b>Woodford</b>	<b>16200</b>
<b>Devonian</b>	<b>16410</b>
<b>Silurian</b>	<b>17000</b>
<b>Proposed Disposal Zone</b>	<b>16420 – 17200</b>
<b>Montoya</b>	<b>17710</b>

**EXHIBIT "A"**

# PROPOSED WELLBORE (DRILLING)

## New Drill

Judah Oil, LLC

Doodle Bug State SWD #1

API # 30-025-44144

1498' FNL x 2389' FEL, UL 'G' Sec 16, T22S, R33E, Lea County, NM

All Depths KB

KB 3580'

GL 3555'

T. Rustler 980'

T. Salt 1130'

T. Capitan Reef 4010'

T. Del Sands 5135'

T. Cherry Cyn 6090'

T. Brushy Cyn 7030'

T. Bone Spring 8700'

T. Wolfcamp 11330'

T. Morrow 12330'

T. Devonian 16410'

26" Hole

20" 106.4# J-55 Csg

**Set @ 1050'**

Cement to surface: yes

DV Tool @ 3300'

TOL @ 4700'

17-1/2" Hole

13-3/8" 68# J-55 Csg

**Set @ 4730'**

Cement to surface: yes

DV Tool @ 5900'

12-1/4" Hole

9-5/8" 53.5# L-80 Csg

**Set @ 11600'**

Cement to surface: yes

8-1/2" Hole

7-5/8" 39# HCP-110 Csg

**Set @ 4700' - 16420'**

Cmt to TOL @ 4700'

5-7/8" OH

16420'-17200'

Proposed Injection Interval  
16420' - 17200'

TD @ 17200'

Formation tops: estimated

pending logs

Drawing Not to Scale

EXHIBIT "A"



# PROPOSED WELLBORE

Configured for SWD Service

Judah Oil, LLC

Doodle Bug State SWD #1

API # 30-025-44144

1498' FNL x 2389' FEL, UL 'G' Sec 16, T22S, R33E, Lea County, NM

All Depths KB

KB 3580'

GL 3555'

T. Rustler 980'

T. Salt 1130'

T. Capitan Reef 4010'

T. Del Sands 5135'

T. Cherry Cyn 6090'

T. Brushy Cyn 7030'

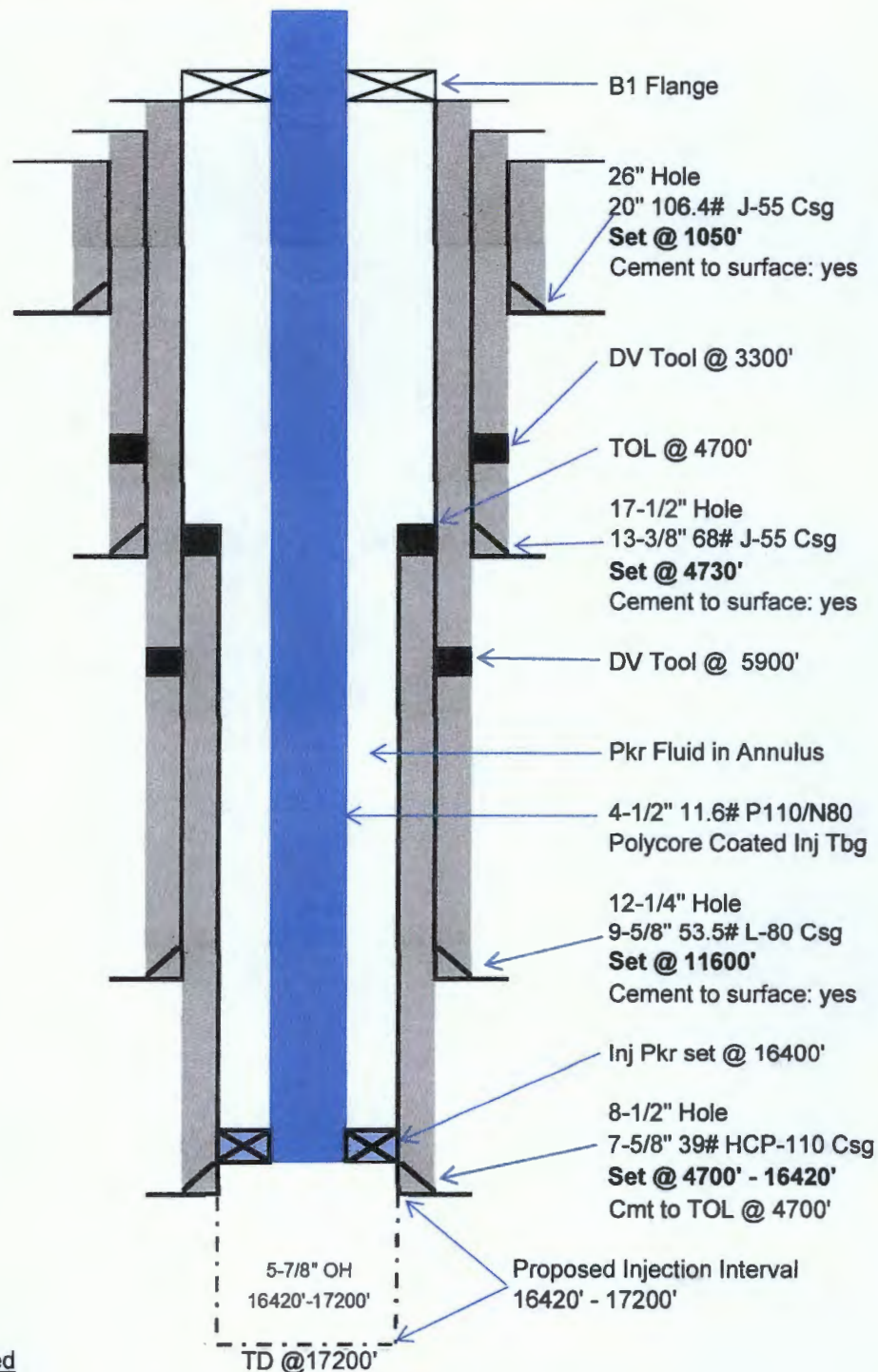
T. Bone Spring 8700'

T. Wolfcamp 11330'

T. Morrow 12330'

T. Devonian 16410'

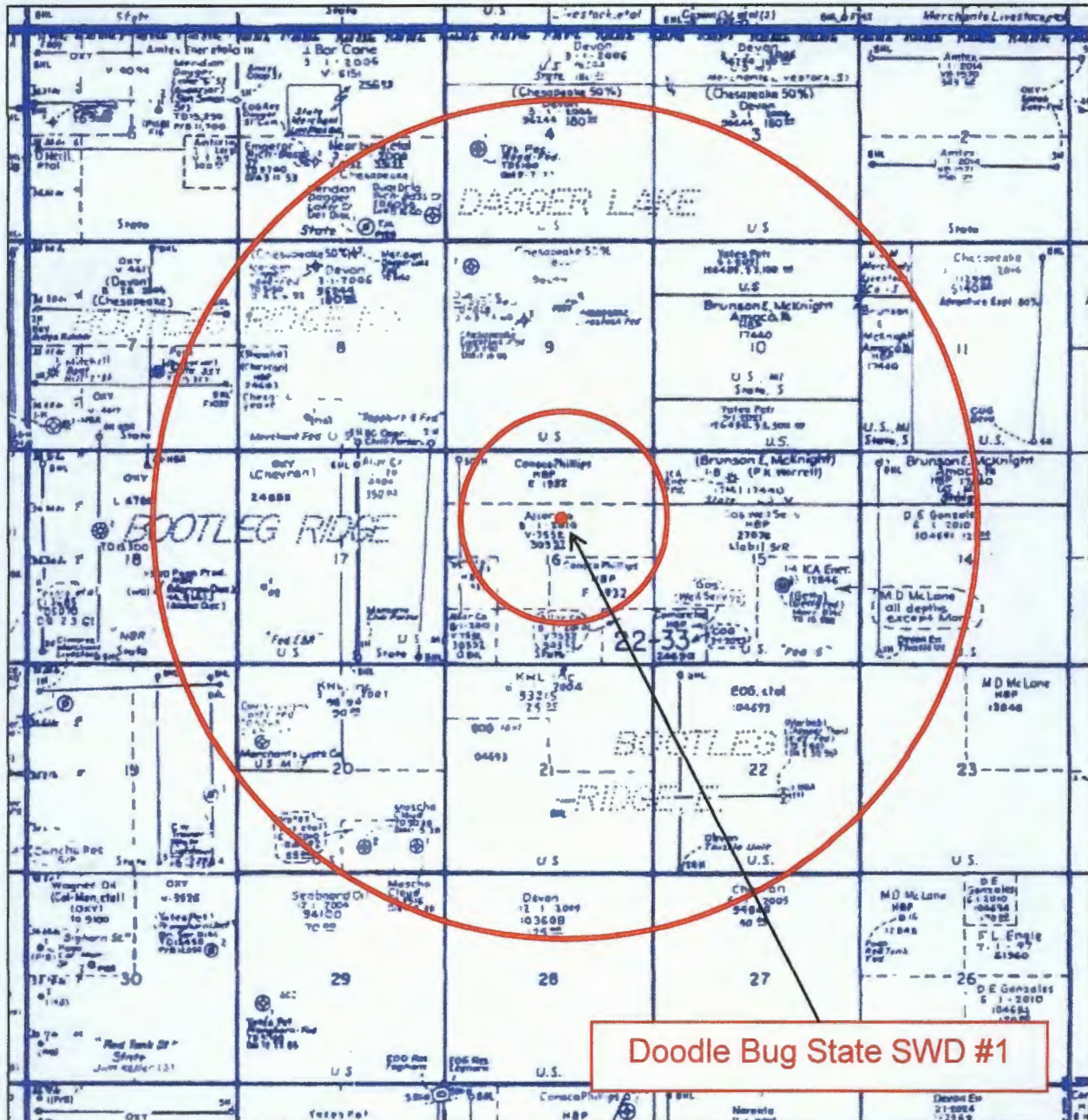
Formation tops estimated  
pending logs



Drawing Not to Scale

**EXHIBIT "A"**

Judah Oil, LLC  
 Doodle Bug State SWD #1  
 API # 30-025-44144  
 1498 FNL X 2389 FEL  
 UL 'G', Sec 16, T22S, R33E  
 Lea County, New Mexico  
 Lease Map - 0.5 Mile and 2 Mile AOR

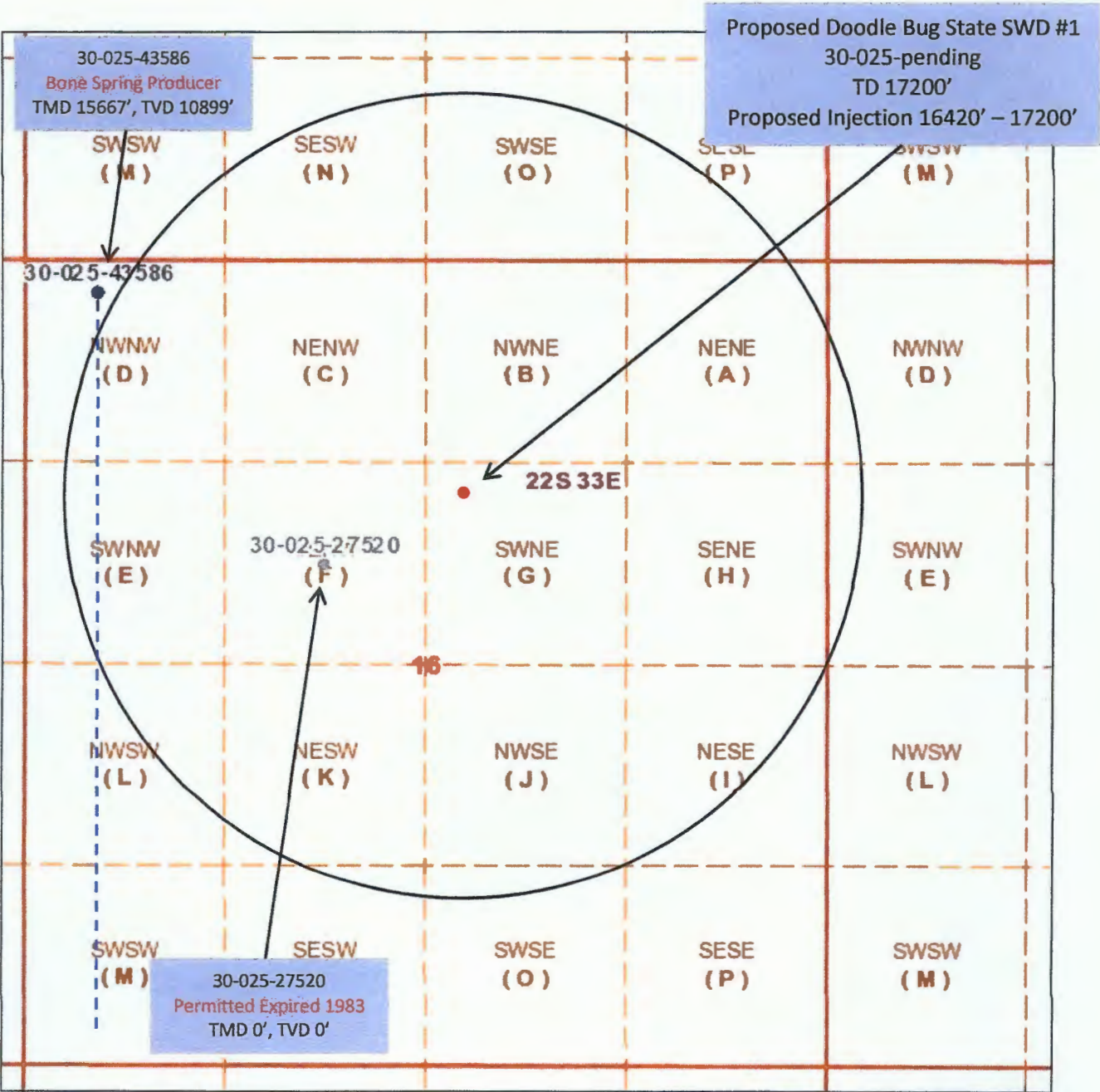


Source – Midland Map Co.

EXHIBIT "B"



Judah Oil, LLC  
Doodle Bug State SWD #1  
API 30-025-44144  
1498 FNL x 2389 FEL, UL 'G', Sec 16, T22S, R33E  
0.5 Mile AOR



There are no offset wells within the 0.5 mile AOR that  
penetrate the proposed injection interval.

EXHIBIT "C"

**Judah Oil, LLC  
Doodle Bug State SWD #1  
API # 30-025-44144  
Unit Letter 'G', Section 16, T22S, R33E  
Lea County, New Mexico**

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

Possible Disposal Fluid			
<u>API Number</u>	<u>Formation</u>	<u>TDS</u>	<u>Chlorides</u>
30-025-40626	Del - Brushy Canyon	266,468	167,562
30-025-40987	BS – 2 <sup>nd</sup> Sand	109,781	67,200
30-025-41183	BS – 3 <sup>rd</sup> Sand	165,155	100,777
30-025-24403	Morrow	271,555	199,015

Data obtained from GO-Tech NMWAIDS data base.

EXHIBIT "D"

**Judah Oil, LLC  
Doodle Bug State SWD #1  
API # 30-025-44144  
Unit Letter 'G', Section 16, T22S, R33E  
Lea County, New Mexico**

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

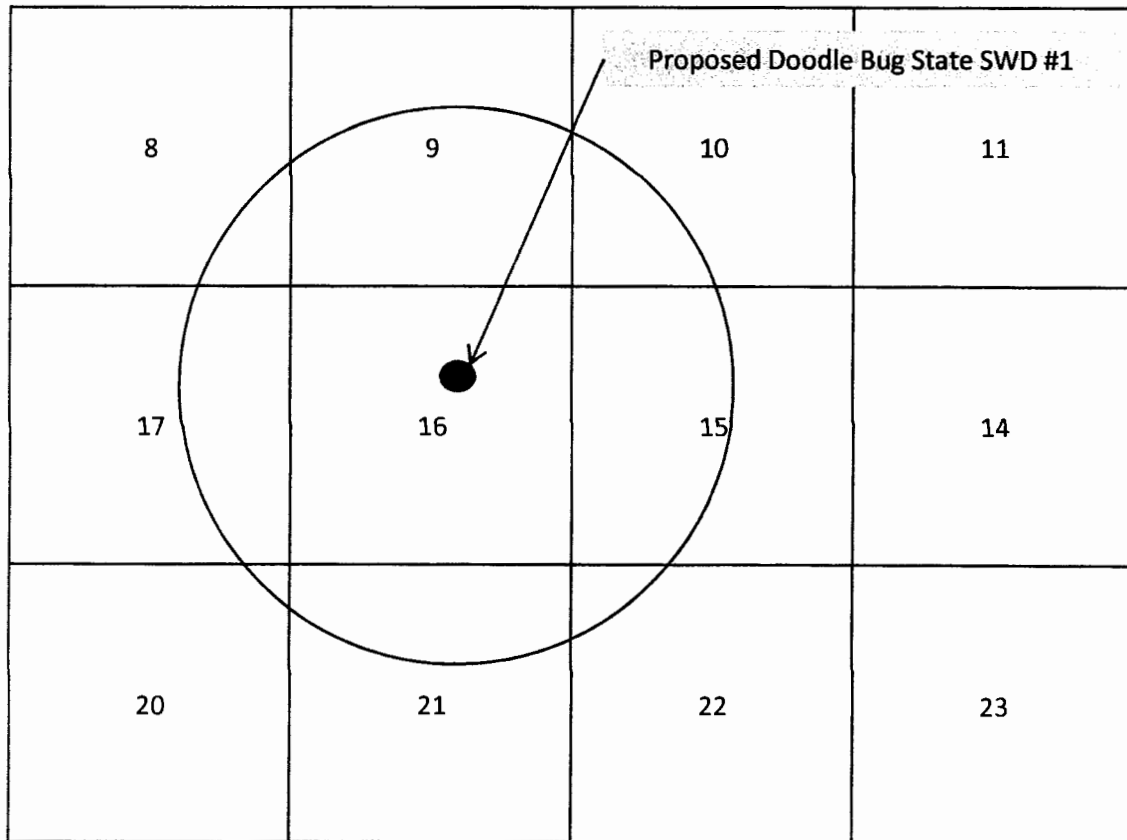
<u>API Number</u>	<u>Possible Disposal Fluid Formation</u>	<u>TDS</u>	<u>Chlorides</u>
30-025-40626	Del - Brushy Canyon	266,468	167,562
30-025-40987	BS - 2 <sup>nd</sup> Sand	109,781	67,200
30-025-41183	BS - 3 <sup>rd</sup> Sand	165,155	100,777
30-025-24403	Morrow	271,555	199,015
30-025-01678	Wolfcamp	46,915	27,270
30-015-42895	Wolfcamp	119,472	73,173

Data obtained from GO-Tech NMWAIDS data base.

**EXHIBIT "D"**

Judah Oil, LLC  
Doodle Bug State SWD #1  
API # 30-025-44144  
1 Mile AOR for Water Wells

T22S, R33E



According to OSE records, there are no ground water wells located within the 1 mile AOR.

Exhibit "E"



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

No records found.

**PLSS Search:**

Section(s): 8, 9, 10, 15, 16, Township: 22S Range: 33E  
17, 20, 21, 22

**Exhibit "E"**

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.

10/12/17 11:03 AM

**WATER COLUMN/ AVERAGE  
DEPTH TO WATER**



# Affidavit of Publication


STATE OF NEW MEXICO  
COUNTY OF LEA

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

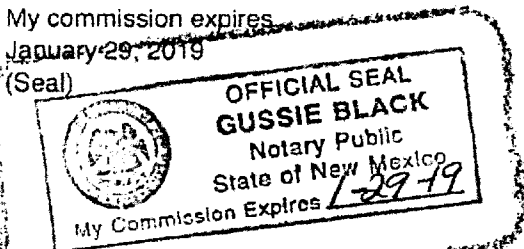
Beginning with the issue dated  
October 19, 2017  
and ending with the issue dated  
October 19, 2017.

  
Publisher

Sworn and subscribed to before me this  
19th day of October 2017.

  
Business Manager

My commission expires  
~~January 29, 2019~~  
(Seal)



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

## LEGAL NOTICE October 19, 2017

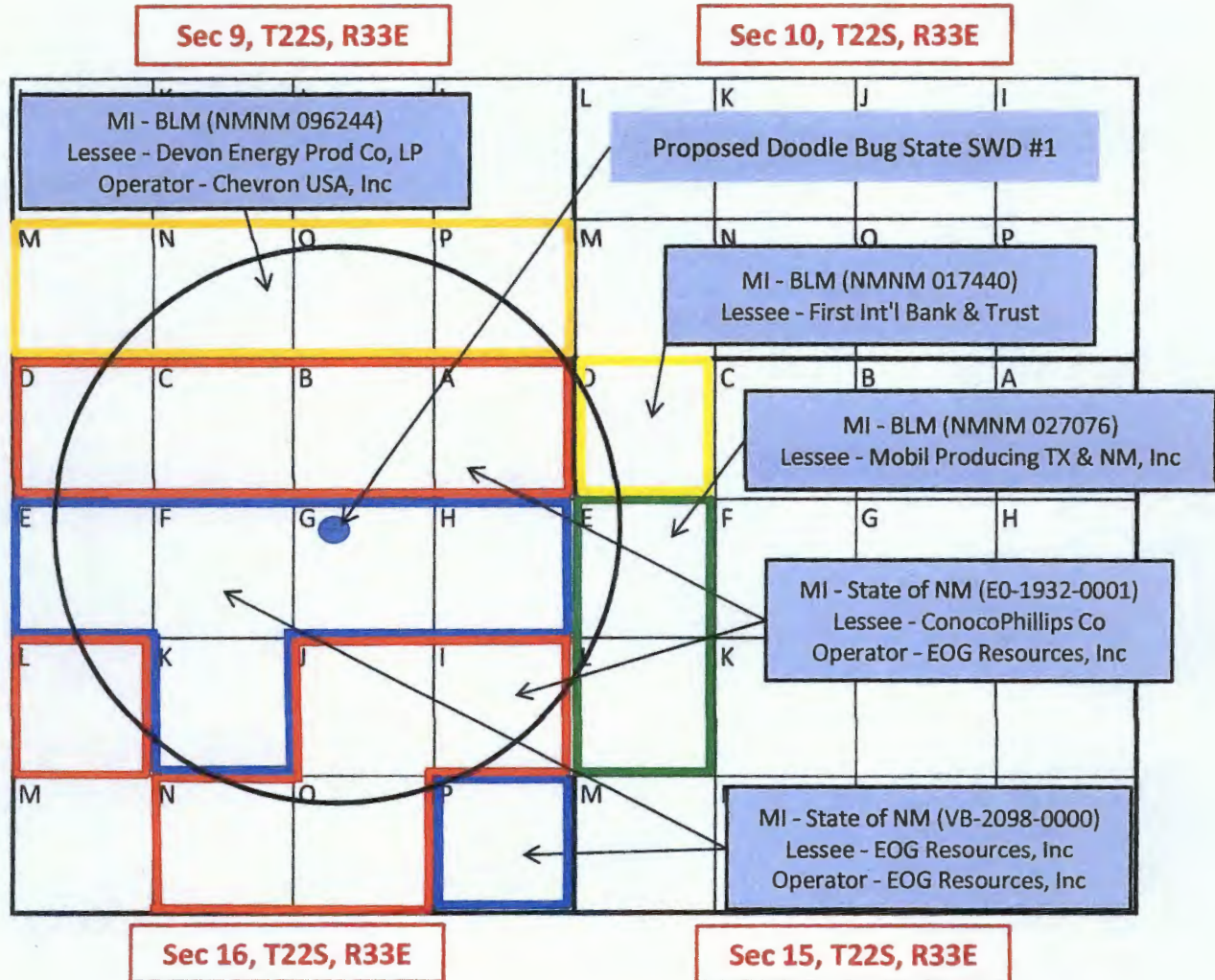
Judah Oil, LLC, PO Box 568, Artesia, NM 88211 has filed form C108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for injection authorization in a new commercial salt water disposal well to be drilled. The new well name is the Doodle Bug State SWD #1, API 30-025-pending, to be located at 1498' FNL x 2388' FEL, Unit Letter "G", Section 16, T22S, R33E, Lea County, New Mexico. The proposed disposal interval would be the Devonian-Silurian formations through open-hole completion between 16420' - 17200'. Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated average disposal volume is 14,000 BWPD with a maximum anticipated volume of 18,000 BWPD. Anticipated average disposal pressure is 2200 psi with a maximum disposal pressure of 3284 psi. The well would be located approximately 19.8 miles southwest of Oil Center, 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. #32188

02107812

Exhibit "F"

Judah Oil, LLC  
 Doodle Bug State SWD #1  
 API # 30-025-44144  
 0.5 Mile AOR



This location 1498 FNL X 2389 FEL  
 Surface Owner - State of NM, Commissioner of Public Land,  
 PO Box 1148, Santa Fe, NM 87504

**EXHIBIT "F"**

Judah Oil, LLC  
Doodle Bug State SWD #1  
API #30-025-44144

**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
	Merchant Livestock Company	P. O. Box 1105	Eunice, NM 88231-1105	Surface Lessee

**Section 9, T22S, R33E, NMPM (ULs 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	Mineral Owner
3	Chevron USA, Inc	6301 Deauville Blvd	Midland, TX 79706-2964	Operator

**Section 15, T22S, R33E, NMPM (UL D)**

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220	Mineral Owner
4	First International Bank & Trust	100 North Main Street	Watford City, ND 58854	Lessee

**Section 15, T22S, R33E, NMPM (ULs E, L)**

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220	Mineral Owner
5	Mobil Producing TX & NM, Inc	22777 Springwoods Village Parkway	Spring, TX 77389	Lessee

**Section 16, T22S, R33E, NMPM (ULs A, B, C, D, I, J, L, N, O)**

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
6	EOG Resources, Inc	P. O. Box 2267	Midland, TX 79702	Operator

**Section 16, T22S, R33E, NMPM (ULs E, F, G, H, K, 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 Resources, Inc	P. O. Box 2267	Midland, TX 79702	Lessee/Oper

**NMOCD Notices**

#	NAME	ADDRESS	CITY STATE ZIP
7	NMOCD Engineering Bureau	1220 South St. Francis Drive	Santa Fe, NM 87505
8	NMOCD District 1 Office	1625 N. French Drive	Hobbs, NM 88240

Notice Mailed 10/17/17  
Notice Mailed 10/23/17

**EXHIBIT "F"**



Date: October 21, 2017

Danny Holcomb:

The following is in response to your October 21, 2017 request for delivery information on your Certified Mail™ item number 70151730000222123244. The delivery record shows that this item was delivered on October 19, 2017 at 12:08 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

7015 1730 0002 2212 3244

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> .	
CARLSBAD, NM 88220	
Certified Mail Fee	\$3.35
Extra Services & Fees (attach box and fee if applicable)	\$0.00
<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	\$1.61
Total Postage and Fees	\$6.41
Sent To	United States Dept of Interior
Street and Apt. No.	Bureau of Land Management
City, State, ZIP+4®	620 Greene Street Carlsbad, NM 88220
PS Form 3800, Apr.	

0206 08  
Postmark Here  
10/17/2017

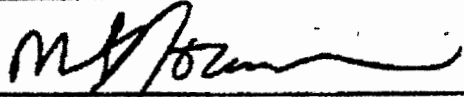


Date: October 21, 2017

Danny Holcomb:

The following is in response to your October 21, 2017 request for delivery information on your Certified Mail™ item number 70151730000222122605. The delivery record shows that this item was delivered on October 19, 2017 at 1:30 pm in MIDLAND, TX 79706. The scanned image of the recipient information is provided below.

Signature of Recipient :

Signature	
Printed Name	Marie Brown

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 2605

<b>U.S. Postal Service™</b>	
<b>CERTIFIED MAIL® RECEIPT</b>	
Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a>	
MIDLAND, TX 79706	
Certified Mail Fee	\$3.35
Extra Services & Fees (check box and fee)	\$10.00
<input type="checkbox"/> Return Receipt (hard copy)	\$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	\$1.61
Total Postage and Fees	\$6.41
Sent To	Chevron USA, Inc
Street and Apt./Box	6301 Deauville
City, State, ZIP+4™	Midland, TX 79706-2964
PS Form 3800, Apr.	

0206 08

Postmark Here

10/17/2017






UNITED STATES  
POSTAL SERVICE

Date: October 21, 2017

Danny Holcomb:

The following is in response to your October 21, 2017 request for delivery information on your Certified Mail™ item number 70151730000222123237. The delivery record shows that this item was delivered on October 20, 2017 at 7:46 am in SANTA FE, NM 87501. The scanned image of the recipient information is provided below.

Signature of Recipient :

Signature	
Printed name	Eric Armijo

Address of Recipient :

Delivery address	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

<b>U.S. Postal Service™</b>	
<b>CERTIFIED MAIL® RECEIPT</b>	
Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
SANTA FE, NM 87504	
Certified Mail Fee	\$3.35
Extra Services & Fees (check box, add fee)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$1.45
<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	\$1.61
Total Postage and Fees	\$6.41
Sent to	State of New Mexico
Street and Apt. No., etc.	Commissioner of Public Land
City, State, Zip+4™	P. O. Box 1148
	Santa Fe, NM 87504
PS Form 3800, Apr.	

7015 1730 0002 2212 3237

0206 08

Postmark Date

10/17/2017

Date: October 21, 2017

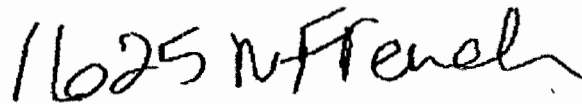
Danny Holcomb:

The following is in response to your October 21, 2017 request for delivery information on your Certified Mail™ item number 70151730000222122636. The delivery record shows that this item was delivered on October 19, 2017 at 9:46 am in HOBBS, NM 88240. 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 <a href="http://www.usps.com">www.usps.com</a> ®.	
HOBBS, NM 88240	
Certified Mail Fee	\$3.35
Extra Services & Fees (please list, add fee)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$1.45
<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	\$1.61
Total Postage and Fees	\$6.61
Sent To	State of New Mexico
Screen and Apt. No.	NMOCD District 1 Office
City, State, ZIP+4®	1625 N. French Drive Hobbs, NM 88240
PS Form 3800, Apr 2016	10/17/2017



Date: October 21, 2017

Danny Holcomb:

The following is in response to your October 21, 2017 request for delivery information on your Certified Mail™ item number 70151730000222122650. The delivery record shows that this item was delivered on October 20, 2017 at 7:35 am in MIDLAND, TX 79702. The scanned image of the recipient information is provided below.

Signature of Recipient :

no  
Robert Force  
d  
R. Force

Address of Recipient :

ny  
2267

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 2650

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
MIDLAND, TX 79702	
Certified Mail Fee	\$3.35
Extra Services & Fees (check box, add fee)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$1.61
<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	\$1.61
Total Postage and Fees	\$6.41
Sent To	EOG Resources, Inc
Street and Apt. No.	P. O. Box 2267
City, State, ZIP+4®	Midland, TX 79702
PS Form 3800, Apr 2016	

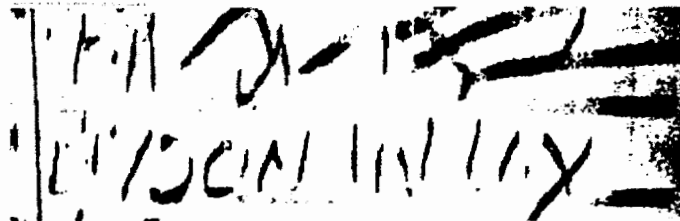
0206 08  
Postmark Here  
10/17/2017

Date: October 26, 2017

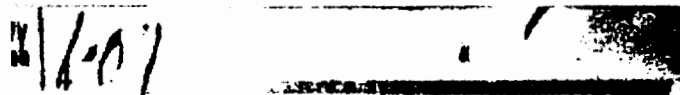
Danny Holcomb:

The following is in response to your October 26, 2017 request for delivery information on your Certified Mail™ item number 70151730000222123282. The delivery record shows that this item was delivered on October 26, 2017 at 11:22 am in WATFORD CITY, ND 58854. 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 web site at <a href="http://www.usps.com">www.usps.com</a>	
WATFORD CITY, ND 58854	
Certified Mail Fee	\$13.75
Extra Services & Fees (check box and add fee)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$2.80
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$10.00
<input type="checkbox"/> Adult Signature Required	\$3.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.51
Total Postage and Fees	\$29.06
Sent To	First International Bank & Trust Corporate Office 100 North Main Street Watford City, ND 58854
City, State, ZIP+4®	Watford City, ND 58854
PS Form 3800, Apr 2016	

2923 2122 2232 2526 2728 29

7015 1730 0002 2212 3282

U.S. POSTAL SERVICE  
WATFORD CITY, ND 58854  
OCT 26 2017  
USPS JORDAN STATION  
Postmark Here



Date: October 26, 2017

Danny Holcomb:

The following is in response to your October 26, 2017 request for delivery information on your Certified Mail™ item number 70151730000222123275. The delivery record shows that this item was delivered on October 26, 2017 at 1:38 pm in SPRING, TX 77389. 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 <a href="http://www.usps.com">www.usps.com</a>	
SPRING, TX 77389	
Certified Mail Fee	\$3.05
Extra Services & Fees (check box, add and approve)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$2.80
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$4.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.41
Total Postage and F	\$5.41
Sent To	Mobil Producing TX & NM, Inc
Street and Apt. No.	22777 Springwoods Village Parkway
City, State, ZIP+4®	Spring, TX 77389
PS Form 3800, Apr. 2016	

7015 1730 0002 2212 3275

2017 OCT 26 1:38 PM SPRING, TX 77389

USPS JORDAN STATION



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

October 26, 2017

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 Doodle Bug State SWD #1, API 30-025-44144, to be located at 1498' FNL x 2389' FEL, Unit Letter "G", Section 16, T22S, R33E, Lea County, New Mexico. The proposed disposal interval would be the Devonian-Silurian formations through open-hole completion between 16420' – 17200'. Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated average disposal volume is 14,000 BWPD with a maximum anticipated volume of 18,000 BWPD. Anticipated average disposal pressure is 2200 psi with a maximum disposal pressure of 3284 psi. The well would be located approximately 19.8 miles southwest of Oil Center, 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](mailto:danny@pwllc.net)

Attachments



Holcomb Consultants  
6900 Spring Cherry Lane  
Amarillo, Texas 79124

October 26, 2017

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  
Doodle Bug State SWD #1 (30-025-44144)

RECEIVED  
OCT 27 2017  
NEW MEXICO  
OIL CONSERVATION DIVISION

Gentlemen,

Attached is the original AOP received from the Hobbs Daily News-Sun for the legal notice publication made on October 19, 2017 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](mailto:danny@pwllc.net)  
Cell: 806-471-5628

Attachment

# Affidavit of Publication

STATE OF NEW MEXICO  
COUNTY OF LEA

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

Beginning with the issue dated  
October 19, 2017  
and ending with the issue dated  
October 19, 2017.



Publisher

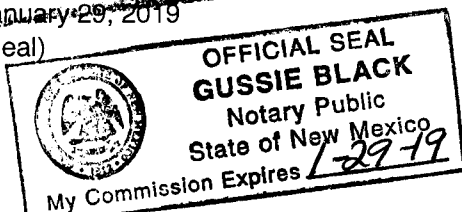
Sworn and subscribed to before me this  
19th day of October 2017.



Business Manager

My commission expires  
January 29, 2019

(Seal)



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

## **LEGAL NOTICE** October 19, 2017

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 Doodle Bug State SWD #1, API 30-025-pending, to be located at 1498' FNL x 2389' FEL, Unit Letter "G", Section 16, T22S, R33E, Lea County, New Mexico. The proposed disposal interval would be the Devonian-Silurian formations through open-hole completion between 16420' - 17200'. Disposal fluid would be produced water from producing oil and gas wells in the area. Anticipated average disposal volume is 14,000 BWPD with a maximum anticipated volume of 18,000 BWPD. Anticipated average disposal pressure is 2200 psi with a maximum disposal pressure of 3284 psi. The well would be located approximately 19.8 miles southwest of Oil Center, 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 806-471-5626.  
#32168

02107812

00201282

BILLY E./SHARON PRICHARD  
PUEBLO WEST LLC  
6900 SPRING CHERRY LANE  
AMARILLO, TX 79124

## **Kautz, Paul, EMNRD**

---

**From:** Kautz, Paul, EMNRD  
**Sent:** Wednesday, October 25, 2017 11:51 AM  
**To:** 'danny@pwllc.net'  
**Cc:** Jones, William V, EMNRD; Goetze, Phillip, EMNRD  
**Subject:** APD permit for SWD well

Hi Danny,

Your APD 30-025-44144 has been approved pending the approval of an SWD order by Santa Fe. I have attached to your APD 10 conditions of approval in addition to what might be included in your SWD order. One condition is that your surface casing must be set 25 feet into the top of the Rustler Anhydrite. Based on nearby wells the top of the Rustler Anhydrite should be at a depth of approximately 1020 feet. Please submit a sundry changing the surface casing setting depth and cement program.

Paul Kautz  
Hobbs District Geologist  
Energy Minerals Natural Resources Dept.  
Oil Conservation Division  
1625 N. French Dr.  
Hobbs, NM 88240  
575-393-6161 ext. 104

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis  
Santa Fe, NM 87505

WELL API NO. 30-025-44144
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Doodle Bug State SWD
8. Well Number 001
9. OGRID Number 245872
10. Pool name or Wildcat SWD; Devonian - Silurian

SUNDRY NOTICES AND REPORTS ON WELL (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other SWD	
2. Name of Operator Judah Oil, LLC	
3. Address of Operator P. O. Box 568, Artesia, NM 88211	
4. Well Location Unit Letter <u>G</u> : <u>1498</u> feet from the <u>North</u> line and <u>2390</u> feet from the <u>East</u> line Section <u>16</u> Township <u>22S</u> Range <u>33E</u> NMPM Lea County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3554.5'	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Judah Oil, LLC proposes the following changes to the 20" surface casing string design:

- 1) Setting depth will change from 850' to ~1050' (a minimum of 25' into the Rustler Anhydrite)
- 2) Calculated cement volume will change from 800 sx to 1050 sx

There are no other changes to the wellbore design being proposed.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE D. Holcomb TITLE Agent for Judah Oil, LLC DATE 10/26/2017

Type or print name Danny J. Holcomb E-mail address: danny@pwllc.net PHONE: 806-471-5628

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 10/31/17

Conditions of Approval (if any):



**District I**  
1625 N French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**District II**  
811 S First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**State of New Mexico**  
**Energy Minerals and Natural Resources**

Form C-101  
Revised July 18, 2013

**Oil Conservation Division** **HOBBS OCD**

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

**OCT 23 2017**

**RECEIVED**

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address Judah Oil, LLC P. O. Box 568 Artesia, NM 88211		<sup>2</sup> OGRID Number 245872
		<sup>3</sup> API Number 30-025- <b>44144</b>
<sup>4</sup> Property Code <b>319787</b>	<sup>5</sup> Property Name Doodle Bug State SWD	<sup>6</sup> Well No. 001

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	16	22S	33E		1498	North	2390	East	Lea

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
G	16	22S	33E		1498	North	2390	East	Lea

**9. Pool Information**

<sup>9</sup> Pool Name SWD; Devonian - Silurian	<sup>10</sup> Pool Code 97869
--	----------------------------------

**Additional Well Information**

<sup>11</sup> Work Type New	<sup>12</sup> Well Type S	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 3554.5
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 17200'	<sup>18</sup> Formation Devonian-Silurian	<sup>19</sup> Contractor TBD	<sup>20</sup> Spud Date TBD
Depth to Ground water ~200'		Distance from nearest fresh water well > 1 mile		Distance to nearest surface water 2.2 miles

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	26"	20"	106.4	<b>850/1040</b>	800	Surface
1 <sup>st</sup> Interm	17-1/2"	13-3/8"	68	4730	4100	Surface
<b>2<sup>nd</sup> Interm</b>	12-1/4"	9-5/8"	53.5	11600	3000	Surface
Liner	8-1/2"	5-7/8"	39	4700-16420	1800	TOL-4700

**Casing/Cement Program: Additional Comments**

See attached C-102 and proposed wellbore diagram

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	10,000	10,000	NOV (National)

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature: *DJ Holcomb*

Printed name: Danny J. Holcomb

Title: Agent Judah Oil, LLC

E-mail Address: danny@pwllc.net

Date: **10/20/2017**

Phone: 806-471-5628

**OIL CONSERVATION DIVISION**

Approved By: *[Signature]*

Title:

Approved Date: **10/25/17**

Expiration Date: **10/25/19**

Conditions of Approval Attached

**See Attached**  
**Conditions of Approval**

**ORDER TYPE:** WFX / PMX / SWD Number: \_\_\_\_\_ Order Date: \_\_\_\_\_ Legacy Permits/Orders: \_\_\_\_\_

Well No. 1 Well Name(s): Doodle Bgg SLD

API: 30-0 25-44144 Spud Date: TB 10 New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 1448 FNL 2390 FEL Lot \_\_\_\_\_ or Unit C Sec 16 Tsp 225 Rge 33E County Lea

General Location: 230 miles W of Hance Pool: Sho, Devonian-Silurian Pool No.: 17869

BLM 100K Map: JAL Operator: Judeh oil, LLC OGRID: 245872 Contact: Denny Holcomb Agent

**COMPLIANCE RULE 5.9:** Total Wells: 32 Inactive: 1 Fincl Assur: OK Compl. Order? N/A IS 5.9 OK? Y Date: \_\_\_\_\_

**WELL FILE REVIEWED** ☐ Current Status: Proposed

**WELL DIAGRAMS:** NEW: Proposed ☐ or RE-ENTER: Before Conv. ☐ After Conv. ☐ Logs in Imaging: N/A

Planned Rehab Work to Well: \_\_\_\_\_

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	<u>26"/20"</u>	<u>1050</u>	<u>1050</u>	<u>Surface / Visgel</u>
Planned ___ or Existing ___ Interm/Prod	<u>17 1/2"/13 7/8"</u>	<u>4730</u>	<u>5300</u>	<u>Surface</u>
Planned ___ or Existing ___ Interm/Prod	<u>12 1/4"/10 1/8"</u>	<u>1160</u>	<u>5900</u>	<u>4700/CB-L</u>
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH / PERF	<u>16420/17200</u>		Inj Length	

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		<u>wd</u>	<u>16200</u>
Confining Unit: Litho. Struc. Por.		<u>OK</u>	<u>16410</u>
Proposed Inj Interval TOP:			
Proposed Inj Interval BOTTOM:			
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:	
Drilled TD	<u>17200</u> PBTD _____
NEW TD	_____ NEW PBTD _____
NEW Open Hole	<u>Y</u> or NEW Perfs <input type="radio"/>
Tubing Size	<u>4 1/2</u> in. Inter Coated? <u>Y</u>
Proposed Packer Depth	<u>16400</u> ft
Min. Packer Depth	<u>16320</u> (100-ft limit)
Proposed Max. Surface Press.	<u>3204</u> psi
Admin. Inj. Press.	<u>23284</u> (0.2 psi per ft)

**AOR: Hydrologic and Geologic Information**

**POTASH:** R-111-P \_\_\_\_\_ Noticed? \_\_\_\_\_ BLM Sec Ord ☐ WIPP ☐ Noticed? \_\_\_\_\_ Salt/Salado T: 113 B: 400 NW: Cliff House fm \_\_\_\_\_

**FRESH WATER:** Aquifer \_\_\_\_\_ Max Depth \_\_\_\_\_ **HYDRO AFFIRM STATEMENT By Qualified Person** ☒

NMOSE Basin: \_\_\_\_\_ CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? 0 FW Analysis \_\_\_\_\_

Disposal Fluid: Formation Source(s) Delaware Basin Springs Analysis? Y On Lease ☐ Operator Only ☐ or Commercial ☒

Disposal Int: Inject Rate (Avg/Max BWPD): 14K/18K Protectable Waters? N/A Source: \_\_\_\_\_ System Closed or Open

**HC Potential:** Producing Interval? N/A Formerly Producing? \_\_\_\_\_ Method: Logs/DST/P&A/Other \_\_\_\_\_ 2-Mile Radius Pool Map ☐

**AOR Wells:** 1/2-M Radius Map? Y Well List? L Total No. Wells Penetrating Interval: 0 Horizontals? 1 (not in zone)

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 October 19, 2017 Mineral Owner MMGW Surface Owner MMGW N. Date October 19, 2017

**RULE 26.7(A):** Identified Tracts? \_\_\_\_\_ Affected Persons: EOG, Mobil, Chevron N. Date October 19, 2017

**Order Conditions:** Issues: C-B-L from 500' top lined base line

Add Order Cond: \_\_\_\_\_