

|                  |          |             |                    |          |                    |
|------------------|----------|-------------|--------------------|----------|--------------------|
| DATE IN 12/03/13 | SUSPENSE | ENGINEER PG | LOGGED IN 12/03/13 | TYPE SWD | PPR NO. 1333757586 |
|------------------|----------|-------------|--------------------|----------|--------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
**- 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

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

*Mewbourne Oil*

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

*Chalk Bluff Fed. SWD#1  
 30-015-27163  
 (Chalk Bluff Fed. Com. #3)*

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
 [B] ☒ Offset Operators, Leaseholders or Surface Owner  
 [C] ☒ Application is One Which Requires Published Legal Notice  
 [D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **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.**

|                    |                           |                            |                |
|--------------------|---------------------------|----------------------------|----------------|
| <u>TRAVIS CUDE</u> | <u><i>Travis Cude</i></u> | <u>ENGINEER</u>            | <u>11/1/13</u> |
| Print or Type Name | Signature                 | Title                      | Date           |
|                    |                           | <u>tcude@mewbourne.com</u> |                |
|                    |                           | 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: **Mewbourne Oil Company**  
ADDRESS: **500 W. Texas Suite 1020**  
**Midland, TX 79701**  
CONTACT PARTY: **Travis Cude** PHONE: **580-571-7442**
- 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: **Travis Cude** TITLE: **Reservoir Engineer**  
SIGNATURE: Travis Cude DATE: 10/31/13  
E-MAIL ADDRESS: **tcude@mewbourne.com**
- \* 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: \_\_\_\_\_



### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

**NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.**

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**NOTICE:** Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

## INJECTION WELL DATA SHEET

OPERATOR: Mewbourne Oil Company

WELL NAME & NUMBER: **Chalk Bluff Federal SWD #1** (Originally: Chalk Bluff Federal Comm. #3) API 30-015-27163

|                |                                 |             |          |            |            |
|----------------|---------------------------------|-------------|----------|------------|------------|
| WELL LOCATION: | <b>1980' FSL &amp; 990' FEL</b> | <b>I</b>    | <b>1</b> | <b>18S</b> | <b>27E</b> |
|                | FOOTAGE LOCATION                | UNIT LETTER | SECTION  | TOWNSHIP   | RANGE      |

**WELLBORE SCHEMATIC ( See Attached)****WELL CONSTRUCTION DATA**Surface Casing

Hole Size: 17 1/2 "

Casing Size: 13 3/8" @ 400'

Cement with. 465 sx

Top of Cement: **Surface**  
(Circulated 50 sx to pit)Intermediate Casing

Hole Size: 12 1/4"

Casing Size: 9 5/8" @ 2594'

Cement with. 790 sx

Top of Cement: **Surface**  
(Circulated 50 sx to pit)Intermediate Casing

Hole Size: 8 3/4"

Casing Size: 7" @ 8969'

Cement with. 350 sx  
(DV Tool @ 6997' w/ 850 sks)Top of Cement: **Temp Survey**  
**Inconclusive. (930' Calc.)**Production Casing

Hole Size: 6"

Casing Size: 4 1/2" 8599' to 10150'

Cement with. 200 sx

Top of Cement: N/A

**CIBP @ 8250', TD @ 10150'**Injection IntervalPerforations @ 6600'-7400' (Wolfcamp)  
7690'-8200' (Cisco)

**INJECTION WELL DATA SHEET**

Tubing Size: **3 1/2" 9.3# L80** Lining Material: **TK99 IPC**

Type of Packer: **Arrowset 1X (nickel plated) 3 1/2" x 7" (6.151" ID)**

Packer Setting Depth: **+/- 6570'**

Other Type of Tubing/Casing Seal (if applicable): **CIBP @ +/- 8250'**

**Additional Data**

1. Is this a new well drilled for injection? **No**

If no, for what purpose was the well originally drilled? **Morrow Test**

2. Name of the Injection Formation: **Wolfcamp-Cisco**

3. Name of Field or Pool (if applicable): **Morrow**

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

**Perforations from 9950'-9954' and 9957'-9972' in the Morrow Sand.**

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Overlying producing zone – **Abo (Top @ 5650', perforated at +/- 6100')**

Underlying producing zone – **Strawn (Top @ 8932')**

**Chalk Bluff Federal SWD #1 C-108**  
**Additional Details**

- VI.** There are 3 wells penetrating the Wolfcamp-Cisco in the ½ mile area of interest. See attached table.
- VII.**
1. Proposed average rate of 5000 bwpd and maximum rate of 20,000 bwpd.
  2. Closed system.
  3. Proposed average injection pressure is unknown and the maximum injection pressure is 1320 psig (0.2 psi/ft x 6,600 ft).
  4. Injection fluid will primarily be Yeso formation water from the Mewbourne Oil Company operated wells within the area. The majority of produced water will come from the Mewbourne operated Peterson 7 IL 1H. A water analysis from 5/9/13 is attached.
  5. We will be injecting into the Wolfcamp and Cisco formations. No water analysis is available for the Wolfcamp or Cisco formations in the area.
- VIII.**
1. The proposed injection interval is within the Wolfcamp and Cisco formations. The Wolfcamp is an argillaceous shale with interbedded limestone and dolomite streaks @ +/- 6570' and the Cisco is a porous dolomite @ +/- 7,675'
  2. The underground fresh water aquifers (unnamed) are present at shallow depths down to about 300', shallower than the depth of the 13 3/8" csg. setting. There are no known fresh water intervals underlying the injecting formation.
- IX.** The proposed stimulation is a cased-hole acid treatment of 10000 gallons of 15% HCL.
- IX.** Well logs have already been filed with the Division (1/21/1993).
- X.** There are no fresh water wells within one mile of the proposed disposal well.
- XI.** Mewbourne Oil Company has examined geologic and engineering data and has found that there is no evidence of faulting between the proposed disposal zone and any underground sources of drinking water.
- XII.** See attached Proof of Notice

# Chalk Bluff Federal Com #3

Last Updated: 9/27/13

By: Travis Cude

Spud Date: 12/27/07

## Surface

13 3/8" 48# H-40

Set @ 400'

Circ 485 sx cmt to surface

## Intermediate

9 5/8" 36# LS STC

Set @ 2594'

Circ 790 sx cmt to surface

## Intermediate

7" 26# N80

Set @ 8989'

DV Tool @ 8997'

ECP @ 7026'

Circ 350 sx below DVT

Circ 850 sx above DVT

Est. TOC 930' (w/ 15% L-O)

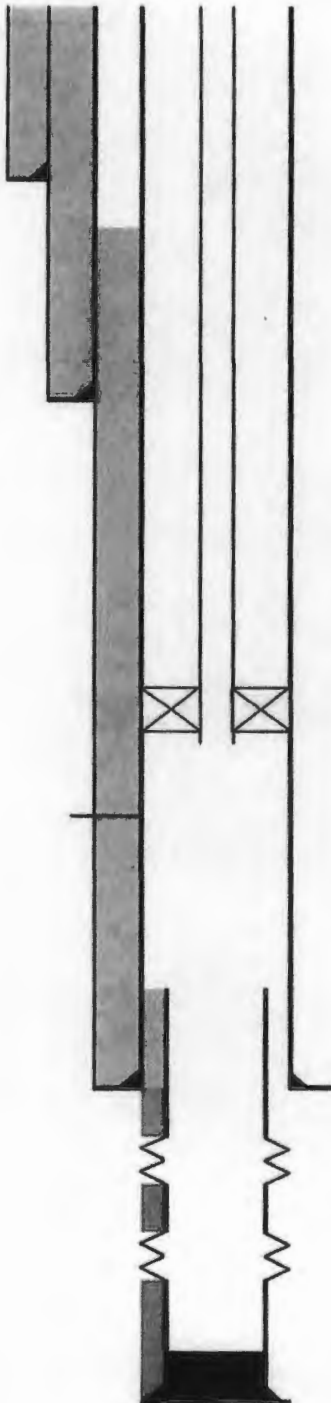
## Liner

4 1/2" 11.6# N80

Set @ 8599' - 10,150'

Circ 300 sx

PSTD 10,102'



## Production String

|  |          |
|--|----------|
| 1 2 1/2" WLEG w/plug in place (900# shear) | .70'     |
| 1 2 1/2" 4.7# N80 tbg                      | 31.73'   |
| 1 2 1/2" x 2 1/4" XO                       | .80'     |
| 1 2 1/2" x 7" AS1 Pkr                      | 7.40'    |
| 1 2 1/2" O/O Tool w/1.87" X                | 1.90'    |
| 1 2 1/2" x 2 1/4" XO                       | .70'     |
| 205 2 1/2" 4.7# N80 tbg                    | 6434.06' |
| Total Tbg                                  | 6477.09' |
| KB Correction                              | 14.00'   |
| EOT @                                      | 6491.09' |

## Morrow Perfs

9861' - 9869'

9950' - 9954'

9957' - 9972'







# Chalk Bluff Federal SWD #1

Last Updated: 6/27/13

By: Travis Cude

Spud Date: 12/27/07

## Surface

13 3/8" 48# H-40

Set @ 400'

Circ 485 ex cmt to surface

## Intermediate

9 5/8" 36# LS STC

Set @ 2594'

Circ 790 ex cmt to surface

## Intermediate

7" 26# N80

Set @ 8969'

DV Tool @ 8997'

ECP @ 7026'

Circ 350 ex below DVT

Circ 850 ex above DVT

Est. TOC 930' (w/ 15% L-O)

## Injection String

3 1/2" 9.3# L80 tbg

Arrowseal 1X Nickel Plated Packer

6570'

CBL 1340 to  
for 952598

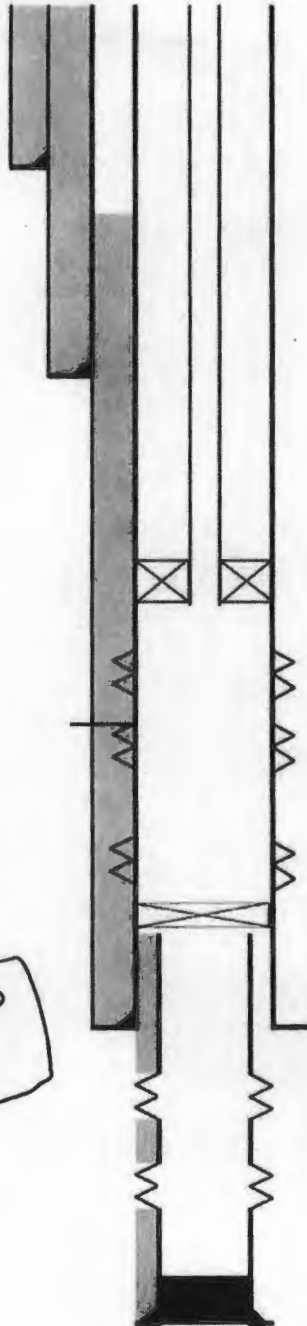
## Liner

4 1/2" 11.6# N80

Set @ 8599' - 10,150'

Circ 300 ex

PBTD 10,102'



## Wellsam-Clenco Peris

6600'-7400'

7690'-8200'

CIBP @ 8250'

1611'

## Morrow Peris

9861' - 9869'

9950' - 9954'

9957' - 9972'

Application for Authorization to Inject (C108)

Mewbourne Oil Company

Chalk Bluff Federal SWD #1

Tabulation of Wells within the Area of Review Penetrating the Injecting Zone (As of 10/2013)

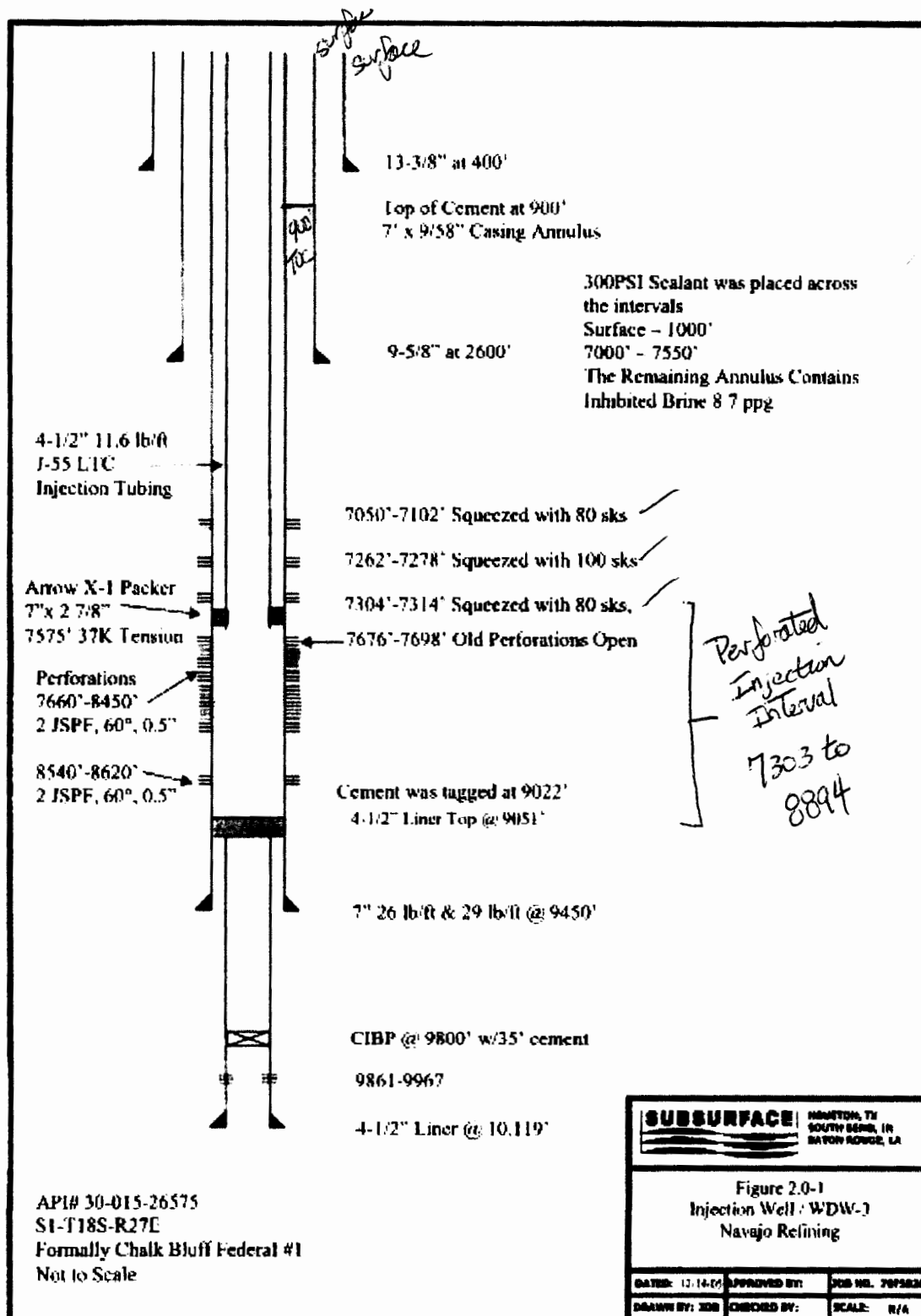
| Well Name  | SEC | TWN | RGE | Footage |     |      | Co. | TYPE | Formation | Date Spud | MD<br>(ft) | Csg Size | Depth<br>(ft) | Cmt<br>(sx) | Comp<br>Date | Perfs<br>(ft) |                  |
|--|-----|-----|-----|---------|-----|------|-----|------|-----------|-----------|------------|----------|---------------|-------------|--------------|---------------|------------------|
| Chalk Bluff Federal 1<br>3001526575<br>Navajo Refining Co.         | 1   | 18S | 27E | 790     | FSL | 2250 | FWL | EDDY | V         | Cisco     | 12/22/90   | 10120    | 13 3/8        | 400         | 625          | 3/15/91       | 9861 9967 CIBP ✓ |
| <i>WDW-3</i>   |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| <i>(N)</i>   |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| <i>Class I well</i>  |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| <i>pc 900'</i>   |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| <i>10000 TBL 9000'</i>   |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| <i>First two Cycles to SWF.</i>                                    |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| <i>Pkr @ 7575'</i>   |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| Federal T SWD No. 001<br>3001526404<br>Lime Rock Resources II A LP | 12  | 18S | 27E | 660     | FNL | 990  | FEL | EDDY | V         | Wolfcamp  | 6/28/90    | 10141    | 13 3/8        | 452         | 450          | 10/11/90      | 10008 10054 CIBP |
| <i>INJ Cisco</i>   |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| <i>9055 4 LNR 10140 80 Pkr @ 6789'</i>                             |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| Chalk Bluff 6 State 1<br>3001526943<br>Mewbourne Oil Co            | 6   | 18S | 28E | 990     | FSL | 730  | FWL | EDDY | V         | Morrow    | 2/17/92    | 10200    | 13 3/8        | 400         | 500          | 4/24/92       | 10044 10092      |
| <i>Class II well</i>   |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |
| <i>9077 4 LNR 10198 175</i>  |     |     |     |         |     |      |     |      |           |           |            |          |               |             |              |               |                  |

Class I well

Class II well

3 Active  
Ø P4A





**DEVON ENERGY PRODUCTION COMPANY LP**

|   |                                    |  |                            |
|---|------------------------------------|--|----------------------------|
| Well Name: <b>FEDERAL T #1</b>                            |                                    | Field: <b>NORTH ILLINOIS CAMP MORROW</b> |                            |
| Location: <b>660' FNL &amp; 990' FEL SEC 12-T18S-R27E</b> |                                    | County: <b>EDDY</b>                      | State: <b>NM</b>           |
| Elevation: <b>3634' KB; 3618' GL</b>                      |                                    | Spud Date: <b>6/28/90</b>                | Compl Date: <b>9/13/90</b> |
| API#: <b>30-015-26404</b>                                 | Prepared by: <b>Norvello Adams</b> | Date: <b>9/17/08</b>                     | Rev:                       |

**Current Schematic  
L. Wolfcamp and Cisco SWD**

17-1/2" Hole  
13-3/8" BSB LTC @ 472'  
Cm'd w/450 Sx Circ to surface

12-1/4" Hole  
8-5/8" J55, 328, STC @ 2,689'  
Cm'd w/900 Sx Circ to surface

WOLF CAMP (8/21/93)  
6,868' - 7,038'

WOLF CAMP (8/16/93)  
7,092' - 7,097'; 7,120' - 7,146'

WOLF CAMP (8/16/93)  
7,330' - 7,340'; 7,350' - 7,360'

SWD Performances:  
CISCO (8/1/93)  
7,665' - 7,665'

CISCO (7/30/93)  
7,760' - 7,768'

CISCO (7/28/93)  
7,790' - 7,798'

CISCO (7/25/93)  
7,832' - 7,940'

CISCO (7/22/93)  
8,034' - 8,042'  
8,055' - 8,060'

4" Liner top @ 9,068'

7-7/8" Hole  
6-1/2" N80, 176, LTC @ 9,473'  
Cm'd w/430 Sx

MORROW (8/14/90)  
10,068' - 10,014'  
10,038' - 10,054'

4-3/4" Hole  
4" 10,486, L80 Liner @ 9,055' - 10,141'  
Cm'd w/80 Sx

**Formation Tops**

Morrow 9,600-10,250'  
Alto 9,230' - 9,700'  
Upper Wolfcamp 8,400' - 7,200'  
Abo 8,600' - 8,300'  
Yaso 3,300' - 3,900'  
San Andres 2,000' - 2,800'  
Queen 1,450' - 1,850'

3-1/2", 9.3 #, N80, Injection tubing @ 8789'

5-1/2" IPC Packer @ 8,788'

Frac 7750'-7840' with 4500 gals 15% Spearhead acid and 119,235 gals Spectra Star 2500 + 104,759 g 100% 20/40 White sand.

Frac 7893'-8080' with 6040 gals 15% HCl acid and 129,332 gals Spectra Star 2500 + 187,382 g 100% 20/40 White sand.

38' cement. 9,006' PBD  
CIBP @ 9,040' (7/21/93)

CIBP @ 9,860' (7/19/93)

10,100' PBD



# Mewbourne Oil Company

Well Name: Chalk Bluff 6 State 1

Last Updated by: T Cude 10/17/2013

Spud Date: 2/17/1992

17 1/2" x 13 3/8" 68#

Set @ 400'

Cmt w/ 500 sx, circ 20 sx to pit

12 1/4" x 9 5/8" 38# J55 LT&C

Set @ 2800'

Cmt w/ 1100 sx, circ 65 sx to pit

DVT @ 7033'

Ext Pkr @ 7098'

7 7/8" x 7" 26# S-95

Set @ 9445'

Cmt w/ 1895 sx

-- 9077

- 9446

TOC 9600

Perfs

10044-10064

10084-10092

6 1/4" x 4 1/2" 11.6# N-80 Liner

Liner from 9077' to 10198' MD, cmt w/ 175 sx

PSTD 10151'

4/11/92  
4 1/2" Liner  
CBL - CMT -  
TD to 9600'

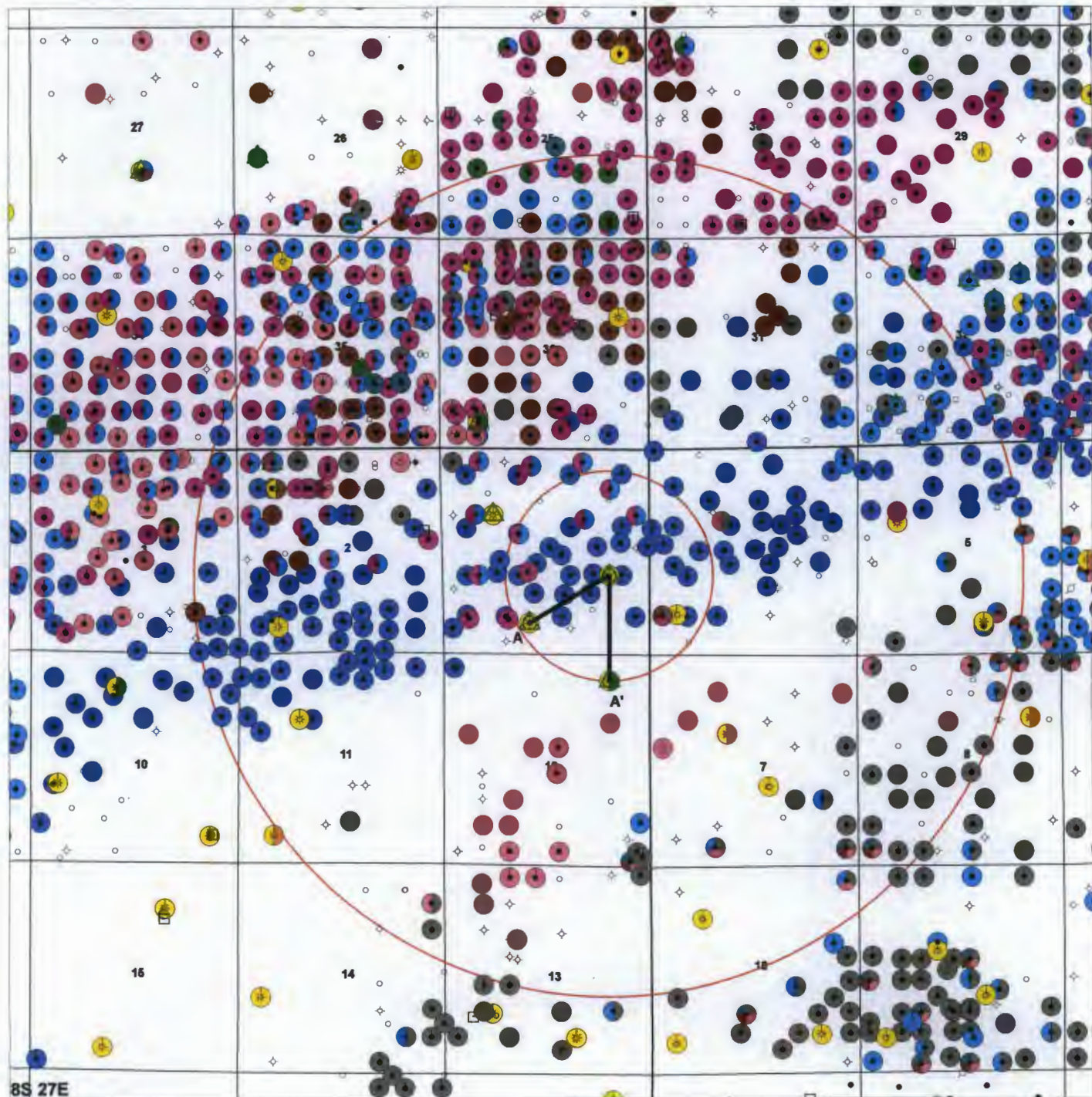
MEWBOURNE OIL COMPANY  
P. O. BOX 7698  
TYLER, TEXAS 75711

Lease Peterson "7" IL Fed Com Well No 1H Location 1795' FSL & 150' FWL  
County Eddy ST NM Section 8 TwnShp 18S Rng 27E  
Section \_\_\_\_\_ Blk \_\_\_\_\_ Survey \_\_\_\_\_

Filename \_\_\_\_\_ Page 1

API No. 30-015-40945


| DATE        | DAILY REPORTS  |
|-------------|--|
| MAY 10 2013 | <b>Water analysis from 05/09/13:</b> SG @ 1.135, Temp 70°, pH 7.28, Na 59399, Ca 4800, Mg 2400, Fe 10, CL 106000, SO <sub>4</sub> 650, HCO <sub>3</sub> 400 (all in Mg/L). |



1 inch = 2000 feet

- Yates Prod.
- Seven Rivers Prod.
- Queen Prod.
- Grayburg Prod.
- San Andres Prod.
- Yeso Prod.
- Abo Prod.
- Wolfcamp Prod.
- Strawn Prod.
- Atoka Prod.
- Morrow Prod.



|  |                           |  |
|--|---------------------------|--|
|  <b>Mewbourne Oil Company</b> |                           |  |
| <b>Chalk Bluff Fed SWD #1 Base Map</b><br>T16S - R27E, Eddy County, NM   |                           |  |
| Author:<br>J. Lodge  | Date:<br>October 31, 2013 |  |
| Scale: 1 in. = 2000 ft.  |                           |  |

## NOTICE

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval to re-enter the Chalk Bluff Fed. Com. Well No. 3, to be re-named the Chalk Bluff Fed. SWD Well No. 1, located 1980 feet from the south line and 990 feet from the east line (the NE/4SE/4) of Section 1, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico, and dispose of produced water into the Wolfcamp formation at depths of 6600-7400 feet subsurface and the Cisco formation at depths of 7690-8200 feet subsurface. The expected maximum injection rate is 20,000 BWPD, and the maximum injection pressure is 1320 psi. If you object to the application you must file a written objection or request for hearing with the Division within 15 days of the date this notice is published. The Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Failure to object will preclude you from contesting this matter at a later date. The name and address of the contact party for applicant is D. Paul Haden, Mewbourne Oil Company, Suite 1020, 500 West Texas, Midland, Texas 79701, (432)-682-3715. The well is located approximately 10 miles east of Atoka, New Mexico.

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213  
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)  
(505) 660-6612 (Cell)  
(505) 982-2151 (Fax)

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

November 26, 2013

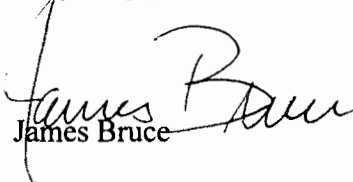
CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval of a salt water disposal well in the NE¼SE¼ of Section 1, Township 18 South, Range 27 East, N.M.P.M., Eddy County, New Mexico. A copy of the application is enclosed. If you object to the application, you must notify the Division in writing no later than 15 days from the date of this letter (the Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter at a later date.

Very truly yours,

  
James Bruce

Attorney for Mewbourne Oil Company



Exhibit A

Surface Owner

Bureau of Land Management  
620 East Greene  
Carlsbad, New Mexico 88220

Offset Operators

Apache Corporation  
303 Veterans Airpark Lane, Suite 3000  
Midland, Texas 79705-9909  
Attn: Mr. Christopher T. Lanning

Navajo Refining Company, LLC  
501 East Main Street  
Artesia, New Mexico 88211

COG Operating LLC  
One Concho Center  
600 West Illinois  
Midland, Texas 79701  
Attn: Mr. Sean Johnson

Ruth Oil Company, LLC  
P.O. Box 1212  
Eunice, New Mexico 88231

Lime Rock Resources 11-A, LP  
1111 Bagley Street, Suite 4600  
Houston, Texas 77002  
Attn: Mr. Bobby Reynolds

Mr. Bill L. Miller  
P.O. Box 3396  
Evergreen, Colorado 80437



7012 3050 0000 6871 6837

**U.S. Postal Service<sup>SM</sup>**  
**CERTIFIED MAIL<sup>SM</sup> RECEIPT**  
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NECESSARY  
IF MAILED  
IN THE  
UNITED STATES**

|   |                 |
|---|-----------------|
| Postage   | \$ 61.52        |
| Certified Fee                                     | \$3.10          |
| Return Receipt Fee<br>(Endorsement Required)      | \$2.55          |
| Restricted Delivery Fee<br>(Endorsement Required) | \$0.06          |
| <b>Total Postage &amp; Fees</b>                   | <b>\$ 67.23</b> |

Postmark  
NOV 24 2013  
SANTA FE, NM 87501  
NOV 24 2013  
U.S. POST OFFICE

1. Article Addressed to:  
Mr. Bill L. Miller  
P.O. Box 3396  
Evergreen, Colorado 80437  
City, State, ZIP+4

2. Article Number:  
(Transfer from service label)  
7012 3050 0000 6871 6837

PS Form 3811, February 2004 Domestic Return Receipt M CB SUB 10250c-02-14-1540

**U.S. Postal Service<sup>SM</sup>**  
**CERTIFIED MAIL<sup>SM</sup> RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com).

**NO POSTAGE  
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IN THE  
UNITED STATES**

|   |                 |
|---|-----------------|
| Postage   | \$ 41.52        |
| Certified Fee                                     | \$3.10          |
| Return Receipt Fee<br>(Endorsement Required)      | \$2.55          |
| Restricted Delivery Fee<br>(Endorsement Required) | \$0.06          |
| <b>Total Postage &amp; Fees</b>                   | <b>\$ 47.23</b> |

Postmark  
NOV 24 2013  
SANTA FE, NM 87501  
NOV 24 2013  
U.S. POST OFFICE

1. Article Addressed to:  
Rub ON Company, LLC  
P.O. Box 1212  
Eunice, New Mexico 88231  
City, State, ZIP+4

2. Article Number:  
(Transfer from service label)  
7012 3050 0000 6871 6851

PS Form 3811, February 2004 Domestic Return Receipt M CB SUB 10250c-02-14-1540

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**NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES**

|   |                 |
|---|-----------------|
| Postage   | \$ 41.52        |
| Certified Fee                                     | \$3.10          |
| Return Receipt Fee<br>(Endorsement Required)      | \$2.55          |
| Restricted Delivery Fee<br>(Endorsement Required) | \$0.06          |
| <b>Total Postage &amp; Fees</b>                   | <b>\$ 47.23</b> |

Postmark  
NOV 24 2013  
SANTA FE, NM 87501  
NOV 24 2013  
U.S. POST OFFICE

1. Article Addressed to:  
Mr. Bill L. Miller  
P.O. Box 3396  
Evergreen, Colorado 80437  
City, State, ZIP+4

2. Article Number:  
(Transfer from service label)  
7012 3050 0000 6871 6837

PS Form 3811, February 2004 Domestic Return Receipt M CB SUB 10250c-02-14-1540

**U.S. Postal Service<sup>SM</sup>**  
**CERTIFIED MAIL<sup>SM</sup> RECEIPT**  
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For delivery information visit our website at [www.usps.com](http://www.usps.com).

**NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES**

|   |                 |
|---|-----------------|
| Postage   | \$ 41.52        |
| Certified Fee                                     | \$3.10          |
| Return Receipt Fee<br>(Endorsement Required)      | \$2.55          |
| Restricted Delivery Fee<br>(Endorsement Required) | \$0.06          |
| <b>Total Postage &amp; Fees</b>                   | <b>\$ 47.23</b> |

Postmark  
NOV 24 2013  
SANTA FE, NM 87501  
NOV 24 2013  
U.S. POST OFFICE

1. Article Addressed to:  
Rub ON Company, LLC  
P.O. Box 1212  
Eunice, New Mexico 88231  
City, State, ZIP+4

2. Article Number:  
(Transfer from service label)  
7012 3050 0000 6871 6851

PS Form 3811, February 2004 Domestic Return Receipt M CB SUB 10250c-02-14-1540

SENDER: COMPLETE THIS SECTION

- 1. Article Addressed to:  
Agape Corporation  
301 Veterans Airport Lane, Suite 1000  
Midland, Texas 79705-9909  
Attn: Mr. Christopher T. Lanning

COMPLETE THIS SECTION ON DELIVERY

Signature: *Alfreda Oubre*  
Postmark: *Midland TX 79705*  
Date of Delivery: *10/21/03*  
B. Received by (Printed Name) ☐ Agent ☐ Addressee  
C. Date of Delivery  
D. Is delivery address different from item 1? ☐ Yes ☒ No  
E. YES, enter delivery address below: ☐ No

3. Package Type  
☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ GDS  
4. Restricted Delivery (Extra Fee) ☐ Yes ☒ No

7012 3050 0000 6871 6899

PS Form 3811, February 2004

Domestic Return Receipt

See Reverse for Instructions

U.S. Postal Service

CERTIFIED MAIL RECEIPT

(Domestic Mail Only: No Insurance Coverage Provided)

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

NOT FOR POSTAL USE

Postage \$1.52  
Certified Fee \$2.10  
Return Receipt Fee (Endorsement Required) \$2.55  
Restricted Delivery Fee (Endorsement Required) \$2.50  
Total Postage & Fees \$8.67

Sent To: COG Operating LLC  
One Concho Center  
400 West Hancock  
Midland, Texas 79701  
Street, Apt. No.,  
or PO Box No. Attn: Mr. Sean Johnson  
City, State, ZIP+4



PS Form 3811, February 2004

See Reverse for Instructions

7012 3050 0000 6871 6899

U.S. Postal Service

CERTIFIED MAIL RECEIPT

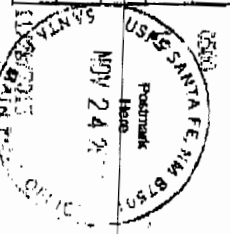
(Domestic Mail Only: No Insurance Coverage Provided)

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

NOT FOR POSTAL USE

Postage \$1.52  
Certified Fee \$2.10  
Return Receipt Fee (Endorsement Required) \$2.55  
Restricted Delivery Fee (Endorsement Required) \$2.50  
Total Postage & Fees \$8.67

Sent To: Agape Corporation  
301 Veterans Airport Lane, Suite 1000  
Midland, Texas 79705-9909  
Street, Apt. No.,  
or PO Box No. Attn: Mr. Christopher T. Lanning  
City, State, ZIP+4



PS Form 3811, February 2004

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- 1. Article Addressed to:  
COG Operating LLC  
One Concho Center  
400 West Hancock  
Midland, Texas 79701  
Attn: Mr. Sean Johnson

COMPLETE THIS SECTION ON DELIVERY

Signature: *Alfreda Oubre*  
Postmark: *Midland TX 79705*  
Date of Delivery: *10/21/03*  
B. Received by (Printed Name) ☐ Agent ☐ Addressee  
C. Date of Delivery  
D. Is delivery address different from item 1? ☐ Yes ☒ No  
E. YES, enter delivery address below: ☐ No

3. Package Type  
☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ GDS  
4. Restricted Delivery (Extra Fee) ☐ Yes ☒ No

7012 3050 0000 6871 6899

PS Form 3811, February 2004

Domestic Return Receipt

See Reverse for Instructions

7012 3050 0000 6871 6844

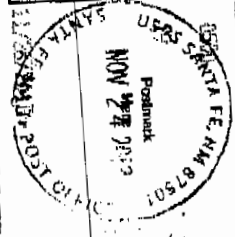
**U.S. Postal Service<sup>®</sup>**  
**CERTIFIED MAIL<sup>®</sup> RECEIPT**  
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**NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES**

Postage \$ 31.52  
 Certified Fee 12.10  
 Return Receipt Fee (Endorsement Required) \$2.55  
 Restricted Delivery Fee (Endorsement Required) \$0.00  
 Total Postage & Fees \$ 46.17

Sent To Lane Rock Resources 11-A, LP  
 Street, Apt. No. 1111 Bayley Street, Suite 4600  
 or PO Box No. Houston, Texas 77002  
 City, State, ZIP+4<sup>®</sup> Attn: Mr. Bobby Reynolds

PS Form 3811, August 2013 See Reverse for Instructions



2. Article Number (Transfer from service label) 7012 3050 0000 6871 6844

PS Form 3811, February 2004 Domestic Return Receipt PS Form 3811, February 2004

Lane Rock Resources 11-A, LP  
 1111 Bayley Street, Suite 4600  
 Houston, Texas 77002  
 Attn: Mr. Bobby Reynolds

**SENDER, COMPLETE THIS SECTION**

1. Article Addressed to:

Complete items 1, 2, and 3. Also verify that item 4 is marked (Delivery is desired).

1. ☒ Registered Mail<sup>®</sup> (Delivery is desired)  
 2. ☒ First-class mail and address on the reverse so that we can return the card to you.  
 3. Attach this card to the back of the mailpiece, or on the back if space permits.

**COMPLETE THIS SECTION ON DELIVERY**

1. Signature of Addressee ☒ Agent ☐ Addressee

2. Date of Delivery ☒ Date of Delivery

3. Is delivery address below? ☒ Yes ☐ No

4. Restricted Delivery (Extra Fee) ☐ Yes ☒ No

5. Signature Type ☒ Signature ☐ Express Mail ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Registered Mail ☐ COD ☐ No

7012 3050 0000 6871 6905

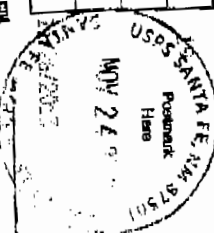
**U.S. Postal Service<sup>®</sup>**  
**CERTIFIED MAIL<sup>®</sup> RECEIPT**  
*(Domestic Mail Only; No Insurance Coverage Provided)*  
 For delivery information visit our website at [www.usps.com](http://www.usps.com).

**NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES**

Postage \$ 31.52  
 Certified Fee 12.10  
 Return Receipt Fee (Endorsement Required) \$2.55  
 Restricted Delivery Fee (Endorsement Required) \$0.00  
 Total Postage & Fees \$ 46.17

Sent To Bureau of Land Management  
 Street, Apt. No. 620 East Ocean  
 or PO Box No. Carlsbad, New Mexico 88720  
 City, State, ZIP+4<sup>®</sup> Attn: Mr. Bobby Reynolds

PS Form 3811, August 2013 See Reverse for Instructions



**SENDER, COMPLETE THIS SECTION**

1. Article Addressed to:

Complete items 1, 2, and 3. Also verify that item 4 is marked (Delivery is desired).

1. ☒ Registered Mail<sup>®</sup> (Delivery is desired)  
 2. ☒ First-class mail and address on the reverse so that we can return the card to you.  
 3. Attach this card to the back of the mailpiece, or on the back if space permits.

**COMPLETE THIS SECTION ON DELIVERY**

1. Signature of Addressee ☒ Agent ☐ Addressee

2. Date of Delivery ☒ Date of Delivery

3. Is delivery address below? ☒ Yes ☐ No

4. Restricted Delivery (Extra Fee) ☐ Yes ☒ No

5. Signature Type ☒ Signature ☐ Express Mail ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Registered Mail ☐ COD ☐ No

2. Article Number (Transfer from service label) 7012 3050 0000 6871 6905

PS Form 3811, February 2004 Domestic Return Receipt PS Form 3811, February 2004

Bureau of Land Management  
 620 East Ocean  
 Carlsbad, New Mexico 88720

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Do complete item 4 if Return Receipt Delivery is checked.
- Print your name and address in the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Navajo Refining Company, LLC  
501 East Main Street  
Aurora, New Mexico 88211

**COMPLETE THIS SECTION ON DELIVERY**

2. Article Number (Transfer from service label)  
7012 3050 0000 687J 6882

3. Service Type  
☒ Certified Mail  
☐ Registered Mail  
☐ Insured Mail  
☐ Registered Mail (Other Fee)  
☐ Yes  
☐ No

4. Return Receipt Delivery (Other Fee)  
☐ Yes  
☐ No

5. Domestic Return Receipt  
 M CB SWA 10235-0246-1590

**U.S. Postal Service**  
**CERTIFIED MAIL™ RECEIPT**  
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 For delivery information visit our website at [www.usps.com](http://www.usps.com)

**NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES**

|  |                 |
|--|-----------------|
| Postage  | \$ 64.32        |
| Certified Fee                                  | \$3.50          |
| Return Receipt Fee (Endorsement Required)      | \$2.55          |
| Registered Delivery Fee (Endorsement Required) | \$0.00          |
| <b>Total Postage &amp; Fees</b>                | <b>\$ 70.37</b> |

Start To: Navajo Refining Company, LLC  
 501 East Main Street  
 Aurora, New Mexico 88211  
 City, State, ZIP+4

Postmark Here  
 NOV 24 2013  
 SANTA FE, NM 87501

PS Form 3811, September 2012 See Reverse for Instructions

# Affidavit of Publication

State of New Mexico,  
County of Eddy, ss.

Kathy McCarroll, being first duly sworn,  
on oath says:

That she is the Classified Supervisor of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

November 27 2013

That the cost of publication is \$62.74 and that payment thereof has been made and will be assessed as court costs.

*Kathy McCarroll*

Subscribed and sworn to before me this

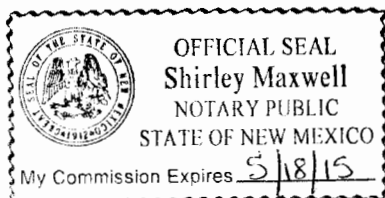
27th day of November, 2013

*Shirley Maxwell*

My commission Expires

May 18, 2015

Notary Public



November 27, 2013

## NOTICE

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval to re-enter the Chalk Bluff Fed. Com. Well No. 3, to be re-named the Chalk Bluff Fed. SWD Well No. 1, located 1980 feet from the south line and 990 feet from the east line (the NE/4SE/4) of Section 1, Township 18 South, Range 27 East, NMPM, Eddy County, New Mexico, and dispose of produced water into the Wolfcamp formation at depths of 6600-7400 feet subsurface and the Cisco formation at depths of 7690-8200 feet subsurface. The expected maximum injection rate is 20,000 BWPD, and the maximum injection pressure is 1320 psi. If you object to the application you must file a written objection or request for hearing with the Division within 15 days of the date this notice is published. The Division's address is 1220 South St. Francis

Drive, Santa Fe, New Mexico 87505. Failure to object will preclude you from contesting this matter at a later date. The name and address of the contact party for applicant is D. Paul Haden, Mewbourne Oil Company, Suite 1020, 500 West Texas, Midland, Texas 79701, (432)-682-3715. The well is located approximately 10 miles east of Atoka, New Mexico.





**C-108 Review Checklist:** Received 12/31/13 Add. Request: 03/02/14 Reply Date: 03/05/14 Suspended: — [Ver 12]

**PERMIT TYPE:** WFX / PMX (SWD) Number: 1466 Permit Date: 03/05/14 Legacy Permits/Orders: None

Well No. 3 Well Name(s): Chalk Bluff Fed. Com. [to be renamed Chalk Bluff Federal SWD]

API: 30-0 15-27163 Spud Date: 12/27/07 New or Old: New (UIC Class II Primacy 03/07/1982)

Footages 1980 FSL / 990 FEL Lot — or Unit I Sec i Tsp 18S Rge 27E County Eddy

General Location: ~10mi ESE of Artesia / 6mi. east of Pecos Pool No.: —

BLM 100K Map: Artesia Operator: Mowbourn Oil Comp. OGRID: 14744 Contact: Travis Code

**COMPLIANCE RULE 5.9:** Inactive Wells: 5 Total Wells: 744 Fincl Assur: Yes Compl. Order? No IS 5.9 OK? Yes Date: 03/05/14

**WELL FILE REVIEWED** ☒ Current Status: Depleted Morrow producer;

**WELL DIAGRAMS:** NEW: Proposed ☐ or RE-ENTER: Before Conv. ☒ After Conv. ☒ Logs in Imaging: PI Laterolog / MSG Gamma

Planned Rehab Work to Well: Install CBP @ 8250; perf WC and Cisco interval CBL C1340'-10,064'

| Well Construction Details:   |  | Sizes (in)<br>Borehole / Pipe | Setting<br>Depths (ft)          | Cement<br>(Sx or Cf) | Cement Top and<br>Determination Method  |
|--|--|-------------------------------|---------------------------------|----------------------|---|
| Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Conductor              |  |                               |                                 |                      |   |
| Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Surface     |  | 17 1/2 / 13 3/8               | 0 to 400                        | 465                  | Cir. to Surf.   |
| Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Intern/Prod |  | 12 1/4 / 9 5/8                | 0 to 2594                       | 790                  | Cir. to Surf.   |
| Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Prod/Intern |  | 8 3/4 / 7                     | 0 to 8969                       | 350/850              | 930'-Est (TS not good)  |
| Planned <input type="checkbox"/> or Existing <input checked="" type="checkbox"/> Liner/Prod  |  | 6 / 4 1/2                     | 8591 to 10150                   | 300                  | Circ TOL  |
| Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> OH / PERF   |  | Existing perf in Morrow/Liner | 6600-14600<br>7690-8200         | Inj Length<br>1600   |   |
| Injection Stratigraphic Units:   |  | Depths (ft)                   | Injection or Confining<br>Units | Tops?                | Completion/Operation Details:   |
| Adjacent Unit: Litho. Struc. Por.  |  | —                             | Tubing                          | 4760                 | Drilled TD <u>10,150</u> PBTD <u>10,102</u>   |
| Confining Unit: <u>Litho</u> Struc. Por.   |  | +125                          | Abq                             | 5745                 | NEW TD <u>—</u> NEW PBTD <u>8250</u>  |
| Proposed Inj Interval TOP:   |  | 6600                          | Wolfecamp                       | 6475                 | NEW Open Hole <input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/> |
| Proposed Inj Interval BOTTOM:  |  | 8200                          | Cisco                           | 7970                 | Tubing Size <u>3 1/2</u> in. Inter-Coated? <u>Yes</u>                                   |
| Confining Unit: Litho. Struc. <u>Por</u>   |  | -1300                         | Morrow LS                       | 8914                 | Proposed Packer Depth <u>6570</u> ft  |
| Adjacent Unit: Litho. Struc. Por.  |  | —                             | Strawn                          | 8932                 | Min. Packer Depth <u>6500</u> (100-ft limit)  |
|  |  |                               |                                 |                      | Proposed Max. Surface Press. <u>1320</u> psi  |
|  |  |                               |                                 |                      | Admin. Inj. Press. <u>1320</u> (0.2 psi per ft)   |

#### AOR: Hydrologic and Geologic Information

POTASH: R-111-P NA Noticed? NA BLM Sec Ord NA WIPP NA Noticed? NA SALADO: T: — B: — CLIFF HOUSE —

FRESH WATER: Aquifer Shallow Alluvial Max Depth ≤ 300 1-Mile Wells? No FW Analysis NA HYDRO AFFIRM STAT By Qualified Person ☒

Disposal Fluid: Formation Source(s) Yes wells in area Analysis? Yes On Lease ☐ Operator Only ☒ or Commercial ☐

Disposal Interval: Inject Rate (Avg/Max BWPD): 5000/20000 Protectable Waters?: No CAPITAN REEF: thru ☐ adj ☐ NA ☒

HC Potential: Producing Interval? No Formerly Producing? No Method: Logs/DST/P&A/Other Attached logs to application 2-Mile Radius Pool Map ☒

AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: 3 Horizontals? 0

Penetrating Wells: No. Active Wells 3 Num Repairs? 0 on which well(s)? ① Class I & ① Class II Diagrams? Yes

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

**NOTICE:** Newspaper Date 11/27/2013 Mineral Owner BLM Surface Owner BLM N. Date 11/24/2013

**RULE 26.7(A):** Identified Tracts UC Affected Persons: Apache / Navajo Refinery (Class I) / COG N. Date 11/24/13

**Permit Conditions:** Issues: Toe for 7-inch / estimated CBL in file for 5/8 Rock oil / Line Rock

Add Permit Cond: For CBL for TOC CBL good 1350 to / CBL for 7-inch

R 28 E

