

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
NMNM114971

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

OWL DRAW 27/22 B2MD FED COM 1H

2. Name of Operator

MEWBOURNE OIL COMPANY

Contact: JACKIE LATHAN

E-Mail: jlathan@mewbourne.com

9. API Well No.

30-015-43331

3a. Address

HOBBS, NM 88241

3b. Phone No. (include area code)

Ph: 575-393-5905

10. Field and Pool, or Exploratory

HAY HOLLOW BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 27 T26S R27E Mer NMP SWSW 170FSL 330FWL

11. County or Parish, and State

EDDY COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

## TYPE OF SUBMISSION

## TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☒ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ OtherChange to  
Original APD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Mewbourne Oil would like to make the following change to the approved casing design:

Deepen intermediate casing. Depth 0'-5850'. Casing will be 36# &amp; 40# J55 LT&amp;C, 40# N80 LT&amp;C &amp; 40# HCL80 LT&amp;C.

Cement as follows:

Lead - 960 sks Class C (35:65:4) yield 2.12 cuft/sk @ 12.5 lb/gal.

Tail - 200 sks Class C yield 1.34 cuft/sk @ 14.8 lb/gal

TOC @ 0'. Volumes calculated w/ 25% excess.

This will also change TOC &amp; total sks for production cement as follows:

1260 sks Class C (60:40:0) yield 2.97 cuft/sk @ 11.2 lb/gal

NM OIL CONSERVATION  
ARTESIA DISTRICT

OCT 05 2015

RECEIVED

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

Accepted for record

U2 NMOC 10/6/15

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #317470 verified by the BLM Well Information System  
For MEWBOURNE OIL COMPANY, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 09/28/2015 ()

Name (Printed/Typed) ANDY TAYLOR

Title ENGINEER

Signature (Electronic Submission)

Date 09/23/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

APPROVED  
PETROLEUM ENGINEER  
SEP 28 2015  
Kenneth Rennick

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED**  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**Additional data for EC transaction #317470 that would not fit on the form**

**32. Additional remarks, continued**

TOC @ 5650'. Volumes calculated w/ 25% excess.

All other casing strings will remain as submitted. See attached casing & cementing plan for details.

**Mewbourne Oil Company, Owl Draw 27/22 B2MD Fed Com #1H**

**Sec 27, T26S, R27E**

**SL: 170' FSL & 330' FWL, Sec 27**

**BHL: 330' FNL & 330' FWL, Sec 22**

**Casing Program**

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0'	375'	13.375"	48	H40	STC	3.79	8.87	17.89
12.25"	0'	3453'	9.625"	36	J55	LTC	1.13	1.96	2.06
12.25"	3453'	4393'	9.625"	40	J55	LTC	1.13	1.73	5.42
12.25"	4393'	5282'	9.625"	40	N80	LTC	1.13	2.09	12.65
12.25"	5282'	5850'	9.625"	40	HCL80	LTC	1.39	1.89	36.84
8.75"	0'	2948'	5.5"	17	P110	BTC	4.88	4.88	1.84
8.75"	2948'	7093'	5.5"	17	P110	LTC	2.03	2.88	1.80
8.75"	7093'	7843'	5.5"	17	P110	BTC	1.90	2.70	3.10
8.75"	7843'	17458'	5.5"	17	P110	LTC	1.90	2.70	2.72
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	

**Mewbourne Oil Company, Owl Draw 27/22 B2MD Fed Com #1H**

**Sec 27, T26S, R27E**

**SL: 170' FSL & 330' FWL, Sec 27**

**BHL: 330' FNL & 330' FWL, Sec 22**

Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

**3. Cementing Program**

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H <sub>2</sub> O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf	440	14.8	1.34	6.3	8	Class C + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
Inter.	960	12.5	2.12	11	10	Lead: Class C (35:65:4) + 5% Sodium Chloride +5#/sk LCM +0.25lb/sk Cello-Flake
	200	14.8	1.34	6.3	8	Tail: Class C + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
Prod.	1260	11.2	2.97	18	16	Class C (60:40:0)+4% MPA5+1.2% BA10A+10#/sk BA90+5%A10+0.65%ASA301+1.5%SMS+1.2%R21

A copy of cement test will be available on location at time of cement job providing pump times & compressive strengths.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	5650'	25%

**5. Mud Program**

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	375	FW Gel	8.6-8.8	28-34	N/C
375	5850	Saturated Brine	10.0-10.2	28-34	N/C
5850	7093	Cut Brine	8.5-9.3	28-34	N/C
7093	17458	FW/Polymer	8.5-9.3	28-34	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

## PECOS DISTRICT CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	Mewbourne Oil Company
<b>LEASE NO.:</b>	NMNM-114971
<b>WELL NAME &amp; NO.:</b>	Owl Draw 27 22 B2MD Fed Com 1H
<b>SURFACE HOLE FOOTAGE:</b>	0170' FSL & 0330' FWL
<b>BOTTOM HOLE FOOTAGE</b>	0330' FNL & 0330' FWL Sec. 22, T. 26 S., R 27 E.
<b>LOCATION:</b>	Section 27, T. 26 S., R 27 E., NMPM
<b>COUNTY:</b>	Eddy County, New Mexico

**Original COA still applies, except for the replacement of the cement filled requirement for the intermediate casing and for the production casing. This has been replaced with the following:**

1. The minimum required fill of cement behind the **9-5/8** inch intermediate casing, which shall be set at approximately **5850 feet**, is:

- ☒ Cement to surface. If cement does not circulate contact the appropriate BLM Office. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst. Excess calculates to 23% - Additional cement may be required.**

**Intermediate casing must be kept fluid filled to satisfied Collapse Design Factors.**

**Centralizers required on horizontal leg, must be type for horizontal service and a minimum of one every other joint.**

2. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- ☒ Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.