

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.  
NMLC066087

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. ZIRCON 12 7 B2ON FED COM 1H
2. Name of Operator MEWBOURNE OIL COMPANY Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com		9. API Well No. 30-015-43122-00-X1
3a. Address P O BOX 5270 HOBBS, NM 88241	3b. Phone No. (include area code) Ph: 575-393-5905	10. Field and Pool, or Exploratory TURKEY TRACK
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T19S R29E NESW 2517FSL 1863FWL 32.674592 N Lat, 104.030373 W Lon		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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompleat 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 recompleat 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 Co. would like to make the following changes to the approved casing design:

Deepen 13 3/8" surface casing from 350' to 418'. — *Beke OK 12/21/15*

13 3/8" surface casing:

Depth: 0' to 418' (TD). 13 3/8" 48# H40 STC.

Lead w/ 180 sks Class C w/ yield 1.61 cuft/sk @ 14.4 ppg. Tail w/ 400 sks Class C w/ yield 1.34 cuft/sk @ 14.8 ppg. TOC @ 0'. Volume calculated w/ 100% excess.

We also request approval to change the 4 1/2" liner with packers &amp; ports system to a 4 1/2" cemented liner.

NM OIL CONSERVATION  
ARTESIA DISTRICT

JAN 04 2016

RECEIVED  
SEE ATTACHED FOR  
CONDITIONS OF APPROVAL*accepted for record*  
*NO NMOCD 1/5/16*

14. I hereby certify that the foregoing is true and correct. Electronic Submission #327117 verified by the BLM Well Information System For MEWBOURNE OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 12/22/2015 (16PP0026SE)	
Name (Printed/Typed) ANDREW W TAYLOR	Title ENGINEER
Signature (Electronic Submission)	Date 12/22/2015
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By <b>Teungku Muchlis Krueng</b>	Title <b>PETROLEUM ENGINEER</b>
BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE	

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.

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.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

**Additional data for EC transaction #327117 that would not fit on the form**

**32. Additional remarks, continued**

4 1/2" cemented liner:

Depth: 7600' to 14535' (TD). 4 1/2" 13.5# HCP110 LTC.

Cement w/ 295 sks Class C (60:40:0) w/ yield 2.97 cuft/sk @ 11.2 ppg. TOC @ 7600'. Volume calculated w/ 25% excess.

Any changes to other casing strings were made to conform w/ original APD CoA. See attachment for additional information.

**Mewbourne Oil Company, Zircon 12/7 B2ON Fed Com #1H**

**Sec 12, T19S, R29E**

**SL: 2517' FSL & 1863' FWL, Sec 12**

**BHL: 330' FSL & 23100' FWL, Sec 7**

**2. Casing Program**

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0'	418'	13.375"	48	H40	STC	1.98	4.62	9.32
12.25"	0'	1400'	9.625"	36	J55	LTC	1.29	2.25	4.18
8.75"	0'	7600'	7"	26	P110	LTC	1.78	2.27	2.91
8.75"	7600'	9858'	7"	26	P110	BTC	1.69	2.15	42.56
6.125"	7600'	14535'	4.5"	13.5	P110	LTC	2.31	2.68	3.15
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
Does casing meet API specifications? 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 intermediate 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?	Y
If yes, are the first three strings cemented to surface?	Y
Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	Y
If yes, are there two strings cemented to surface?	Y
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

**Mewbourne Oil Company, Zircon 12/7 B2ON Fed Com #1H**

**Sec 12, T19S, R29E**

**SL: 2517' FSL & 1863' FWL, Sec 12**

**BHL: 330' FSL & 23100' FWL, Sec 7**

**3. Cementing Program**

Casing	# Sks	Wt. lb/ gal	Yld ft <sup>3</sup> / sack	H <sub>2</sub> O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	180	12.5	2.12	11	10	Lead: Class C w/ CaCl <sub>2</sub> + Thixotropic + Kolseal
	400	14.8	1.34	6.3	5	Tail: Class C + 2% CaCl <sub>2</sub>
Inter.	160	12.5	2.12	11	10	Lead: Class C (35:65:4) w/ Salt + LCM
	200	14.8	1.34	6.3	5	Tail: Class C + 2% CaCl <sub>2</sub>
Prod.	660	12.5	2.12	11.3	10	Lead: Class H (35:65:4) w/ Fluid Loss + LCM + Salt
	400	15.6	1.18	5.2	5	Tail: Class H w/ Fluid Loss
Liner	295	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

DV tool depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	0'	25%
Liner	7600'	25%

**Zircon 12 7 B2ON Fed Com 1H**  
**Conditions of Approval**

1. The minimum required fill of cement behind the 4-1/2 inch production liner is:

- ☒ Cement should tie-back to the top of the liner. Operator shall provide method of verification.

TMAK 12/23/15