

**Carlsbad Field Office**  
 UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT  
**OCB Artesia**

FORM APPROVED  
 OMB NO. 1004-0137  
 Expires: January 31, 2018

**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.  
 NMLC028990B

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. VIRGO 24/23 B2HE FED COM 1H
2. Name of Operator MEWBOURNE OIL COMPANY      Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com		9. API Well No. 30-015-44655-00-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 Area SHUGRT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Sec 24 T18S R30E SENE 1850FNL 185FEL 32.735077 N Lat, 103.917496 W Lon		11. County or Parish, State  EDDY COUNTY, NM

**12. CHECK THE 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 type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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 checked="" type="checkbox"/> Other Change to Original A PD
	<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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

MOC requests a change to the original casing design. MOC requests permission to set intermediate casing 100'+ below the salt. Permitted setting depth is currently @ 4550'. New setting depth @ 1910'. See attached csg specifications and calculated safety factors.

**NM OIL CONSERVATION**  
 ARTESIA DISTRICT  
 DEC 12 2018  
 RECEIVED

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

**Electronic Submission #445870 verified by the BLM Well Information System  
 For MEWBOURNE OIL COMPANY, sent to the Carlsbad  
 Committed to AFMSS for processing by PRISCILLA PEREZ on 11/30/2018 (19PP0496SE)**

Name (Printed/Typed) <b>KLAY H KIRKES</b>	Title <b>ENGINEER</b>
Signature                    (Electronic Submission)	Date <b>11/29/2018</b>

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

Approved By <u>MUSTAFA HAQUE</u>	Title <b>PETROLEUM ENGINEER</b>	Date <b>12/04/2018</b>
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 <b>Carlsbad</b>

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.

(Instructions on page 2)

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

*RWP 12-21-18*

**Mewbourne Oil Company**  
**Virgo 24/23 B2HE Fed Com #1H**  
**Secs. 23 & 24, T18S, R30E**  
**SL: 1850' FNL & 185' FEL (24)**  
**BHL: 1850' FNL & 330' FWL (23)**

**Casing Program**

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
	From	To								
17.5"	0'	575'	13.375"	48	H40	STC	2.86	6.43	11.67	19.60
<b>12.25"</b>	<b>0'</b>	<b>1910'</b>	<b>9.625"</b>	<b>36</b>	<b>J55</b>	<b>LTC</b>	<b>2.03</b>	<b>3.54</b>	<b>6.59</b>	<b>8.20</b>
8.75"	0'	9032'	7"	26	P110	LTC	1.81	2.32	2.72	3.53
6.125"	8269'	18565'	4.5"	13.5	P110	LTC	2.35	2.73	2.57	3.21
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	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?	Y
If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?	Y
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?	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?	

*RUP/2-21-18*