

Well Name: FORTY NINER RIDGE UNIT	Well Location: T23S / R30E / SEC 16 / SWNE /	County or Parish/State: EDDY / NM
Well Number: 107H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM104965	Unit or CA Name: FORTY NINER RIDGE UNIT-BONE SP	Unit or CA Number: NMNM70951D
US Well Number: 3001544652	Well Status: Drilling Well	Operator: MEWBOURNE OIL COMPANY

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 05/28/2021	Time Sundry Submitted: 10:25
Date proposed operation will begin: 05/19/2021	
Procedure Description: Mewbourne Oil Co. intends to change the intermediate casing design to a tapered string design of 9 5/8" 36# J55 and 9 5/8" 40# J55 as mentioned in the attached document.	

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Forty\_Niner\_Ridge\_Unit\_107H\_Sundry\_20210528101831.doc

Conditions of Approval

Specialist Review

FORTY\_NINER\_RIDGE\_UNIT\_107H\_\_Sundry\_2387932\_Drilling\_COA\_OTA\_20210601222220.pdf

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Page 2 of 8

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Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BRADLEY BISHOP  
Signed on: MAY 28, 2021 10:24 AM  
Name: MEWBOURNE OIL COMPANY  
Title: Regulatory  
Street Address: PO Box 5270  
City: Hobbs State: NM  
Phone: (575) 393-5905  
Email address: bbishop@mewbourne.com

Field Representative

Representative Name: Landon Stallings  
Street Address: PO Box 5270  
City: Hobbs State: NM Zip: 88260  
Phone: (575)393-5905  
Email address: lstallings@mewbourne.com

BLM Point of Contact

BLM POC Name: AJIBOLA OLABODE  
BLM POC Title: Engineer  
BLM POC Phone: 5752342231  
BLM POC Email Address: OAJIBOLAEIT@BLM.GOV  
Disposition: Approved  
Disposition Date: 06/01/2021  
Signature: Olabode Thomas Ajibola

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BLM POC Name: AJIBOLA OLABODE	BLM POC Title: Engineer
BLM POC Phone: 5752342231	BLM POC Email Address: OAJIBOLAEIT@BLM.GOV
Disposition: Approved	Disposition Date: 06/01/2021
Signature: Olabode Thomas Ajibola	

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>MEWBOURNE OIL COMPANY</b>
<b>LEASE NO.:</b>	<b>NMNM104965</b>
<b>WELL NAME &amp; NO.:</b>	<b>FORTY NINER RIDGE UNIT 107H</b>
<b>SURFACE HOLE FOOTAGE:</b>	<b>2323'/S &amp; 2562'/E</b>
<b>BOTTOM HOLE FOOTAGE:</b>	<b>330'/S &amp; 1980'/E</b>
<b>LOCATION:</b>	<b>Section 16, T.23 S., R.30 E., NMPM</b>
<b>COUNTY:</b>	<b>EDDY County, New Mexico</b>

### COA

H2S	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Potash	<input type="radio"/> None	<input type="radio"/> Secretary	<input checked="" type="radio"/> R-111-P
Cave/Karst Potential	<input type="radio"/> Low	<input type="radio"/> Medium	<input checked="" type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input checked="" type="checkbox"/> Unit

**All Previous COAs Still Apply.**

### A. CASING

#### Casing Design:

1. The **13-3/8 inch** surface casing shall be set at approximately **400 feet** (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **24 hours in the Potash Area** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours

- after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **9 5/8 X 9 5/8** inch intermediate casing which shall be set at approximately **3790** feet is:
- Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash. Excess cement calculates to 22%, additional cement might be required.**
  - ❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
  - ❖ In Secretary Potash Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
  - ❖ In R111 Potash Areas if cement does not circulate to surface on the first two salt protection casing strings, the cement on the 3rd casing string must come to surface.
3. The minimum required fill of cement behind the **7** inch production casing is:
- Cement to surface. If cement does not circulate, contact the appropriate BLM office. **Excess cement calculates to -22%, additional cement might be required.**
4. The minimum required fill of cement behind the **4-1/2** inch production liner is:
- Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.

**B. PRESSURE CONTROL**

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
  - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

**C. SPECIAL REQUIREMENT (S)****Unit Wells**

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

**Commercial Well Determination**

A commercial well determination shall be submitted after production has been established for at least six months. (This is not necessary for secondary recovery unit wells)

**OTA06012021**

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 40224

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 40224
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	8/6/2021