

**Well Name:** BUFFALO TRACE 1/36  
H3PA FEDCOM**Well Location:** T26S / R29E / SEC 12 /  
NENE / 32.0627726 / -103.9308482**County or Parish/State:** EDDY /  
NM**Well Number:** 2H**Type of Well:** CONVENTIONAL GAS  
WELL**Allottee or Tribe Name:****Lease Number:** NMNM057261,  
NMNM57261**Unit or CA Name:****Unit or CA Number:****US Well Number:** 3001546801**Well Status:** Approved Application for  
Permit to Drill**Operator:** MEWBOURNE OIL  
COMPANY

### Notice of Intent

**Sundry ID:** 2652412**Type of Submission:** Notice of Intent**Type of Action:** Other**Date Sundry Submitted:** 01/13/2022**Time Sundry Submitted:** 09:32**Date proposed operation will begin:** 01/17/2022

**Procedure Description:** Mewbourne Oil Company requests that the following changes be made to Buffalo Trace 1/36 H3PA Fed Com #2H well: 1. Change intermediate csg setting depth from 3200' to 4500' 2. Adjust intermediate csg design corresponding to depth change 3. Adjust cmt & mud program corresponding to new intermediate setting depth as included in attachment

### Surface Disturbance

**Is any additional surface disturbance proposed?:** No

### NOI Attachments

#### Procedure Description

Buffalo\_Trace\_1\_36\_H3PA\_Fed\_Com\_2H\_Sundry\_Request\_20220113093135.pdf

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## Conditions of Approval

### Specialist Review

BUFFALO\_TRACE\_1\_36\_H3PA\_Fed\_Com\_2H\_Sundry\_2652412\_Drilling\_COA\_OTA\_20220118180350.pdf

## 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:** JAN 13, 2022 09:31 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:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**

## 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:** 01/18/2022

**Mewbourne Oil Company, Buffalo Trace 1/36 H3PA Fed Com #2H**  
**Sec 1 & 36, T26S, R29E**  
**SL: 575' FNL & 500' FEL (Sec 12, T26S, R29E)**  
**BHL: 100' FNL & 990' FEL (Sec 36, T25S, R29E)**

**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'	935'	13.375"	48	H40	STC	1.80	4.04	7.17	12.05
12.25"	0'	3452'	9.625"	36	J55	LTC	1.13	1.96	2.73	3.39
12.25"	3452'	4393'	9.625"	40	J55	LTC	1.13	1.73	12.40	15.03
12.25"	4393'	4500'	9.625"	40	L80	LTC	1.32	2.46	169.86	214.02
8.75"	0'	9700'	7"	26	P110	LTC	1.32	2.11	2.75	3.29
6.125"	9091'	20288'	4.5"	13.5	P110	LTC	1.94	2.26	2.24	2.79
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?	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?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

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### Cementing Program

Casing	# Sks	Wt. lb/gal	Yld ft3/sack	Cu. Ft	% Excess	Slurry Description
Surf.	490	12.5	2.12	1039	100	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	268	100	Tail: Class C + Retarder
Inter.	700	12.5	2.12	1484	25	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	268	25	Tail: Class C + Retarder
Prod.	280	12.5	2.12	594	25	Lead: Class C + Salt + Gel + Extender + LCM
	400	15.6	1.18	472	25	Tail: Class H + Retarder + Fluid Loss + Defoamer
Liner	450	11.2	2.97	1337	25	Class C + Salt + Gel + Fluid Loss + Retarder + Dispersant + Defoamer + Anti-Settling Agent

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	3000'	25%
Liner	9352'	25%

### Mud Program

TVD		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0'	935'	Spud Mud	8.6-8.8	28-34	N/C
935'	4500'	Saturated Brine	10.0	28-34	N/C
4500'	9533'	Water Based Mud	8.6-9.7	28-34	N/C
9533'	9602'	OBM	10.0-11.0	30-40	<10cc

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

What will be used to monitor the loss or gain of fluid?	Pason/PVT/Visual Monitoring
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**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**

COMMENTS  
  
Action 78301

COMMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 78301
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Approved, John Garcia, Petroleum Engineer	3/9/2022

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jagarcia	None	3/9/2022