

District I1625 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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170**District IV**1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462**State of New Mexico****Energy Minerals and Natural Resources****Oil Conservation Division****1220 South St. Francis Dr.****Santa Fe, NM 87505**Form C-101
Revised July 18, 2013☐ AMENDED REPORT**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address Mewbourne Oil Company PO Box 5270, Hobbs NM 88240		2. OGRID Number 14744
		3. API Number 30-025-37615
4. Property Code 35339	5. Property Name Red Hawk 32 State	6. Well No. 1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	32	19S	34E		660'	North	660'	East	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name Quail Ridge Morrow	Pool Code 2260
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Additional Well Information

11. Work Type Plug Back	12. Well Type Gas	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3677'
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
H40	17 1/2"	13 3/8"	48#	520'	500	surface
J55/N80	12 1/4"	9 5/8"	40#	3615'	1350	surface
HCP110	8 3/4"	5 1/2"	17#	13748'	775	TOC @ 10040'

Casing/Cement Program: Additional Comments

All casing listed above are in place. See attached completion procedure

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000#	3000#	Schafer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☐, if applicable.

Signature:

*Jackie Lathan*Printed name: **Jackie Lathan**Title: **Regulatory**E-mail Address: **jlathan@mewbourne.com**Date: **10/09/17**Phone: **575-393-5905****OIL CONSERVATION DIVISION**

Approved By:

*[Signature]***Petroleum Engineer**

Title:

Approved Date: **10/10/17**Expiration Date: **10/10/19**

Conditions of Approval Attached

COMPLETION PROCEDURE

Submitted By: A. Magana & T Bailey

Wellname: **Red Hawk "32" State #1**

Location: 660' FNL & 660' FEL
Sec 32, T19S, R34E
Lea Co, NM

Date: 5-31-17

Csg Set: 5 1/2" 17# HCP110 (0' - 13225')

Tbg Spool: 11" x 7 /16" 5K

Cement

Top: 10,040'

Packer Depth: 13,007

Squeeze

hole @: 8,940' to 8,971'

2 7/8" P-110 6.5# tbg)

Current

Perf: 13,210' - 13,218'

Tbg: 13048' 400 jts

New Perfs: 10,838'-10,866' (28')

PBTD: 13,225'

: 10,915'-10,920' (5')

Procedure:

- 1 MIRU WS rig.
- 2 POOH & lay down 2 7/8" tbg.
- 3 MIRU WL. Set CIBP @ 13160' and dump bail cmt on plug.
- 4 Perforate 3rd **Bone springs @ 10,838'-10,866'(28', 2 SPF, 56 holes, 19 GC, 39" Pen, .39 EHD, 60 degree phasing); 10915'-10,920'(5', 2 SPF, 10 holes, 19 GC, 39" Pen, .39 EHD, 60 degree phasing).**
- 5 MIRU tubing testers. RIH /1X packer (5 1/2" x 2 7/8") and 10800' of rental 3 1/2" (ph-6, P-110, 2.687" I.D. Test tubing to 10,000# above the slips. RDMO tubing testers.
- 6 Set Packer & NU wellhead.
- 7 MIRU frac crew & rental equipment. **Frac 3rd Bone springs w/378046 gals Slickwater carrying 277,225# 100 mesh sand & 130,650# 30/50 white sand.** Frac Design attached below. Rates 50-60 BPM. Max Pressures not to exceed 9000#.
- 8 Flowback well.
- 9 MIRU WS rig. ND wellhead & NU BOP.
- 10 Release Packer & POOH & LD w/ 3 1/2 PH-6 DP.
- 11 RIH w/tbg as follows: **Non-slotted MH w/BP, 2 7/8" Perforated Sub, 2 7/8" SN, 1 jt 2 7/8" 6.5# P-110 tbg, 7 joints P-110 Tubing, 2 7/8" x 5 1/2" TAC (35k) & 325 jts 2 7/8" 6.5# P-110 tbg (Land SN @ ~10,803')(conservatively 35' above top perf interval f/ sand control).**
- 12 Set TAC w/14 pts tension @ 10579'.
- 13 NU WH.
- 14 RIH w/rods & pump.
- 15 PWOL