

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil ☐ Well Gas ☒ Well Other ☐

2. Name of Operator

Merrion Oil &amp; Gas Corporation (14634)

3. Address and Telephone No.

610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

465' fnl & 1780' fwl (ne nw)  
Section 10, T20N, R6W

5. Lease Designation and Serial No.

NM-24964

6. If Indian, Allottee or Tribe Name

7. Unit or CA. Agreement Designation

8. Well Name and No.

Pot Mesa No. 4

9. API Well No.

30-031-20890

10. Field and Pool, or Exploratory Area

Pot Mesa Mesaverde

11. County or Parish, State

McKinley County,  
New Mexico

## 12. CHECK APPROPRIATE BOX (s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

## TYPE OF ACTION

☒ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☐ Other☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water(Note: Report results of multiple completion on  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Merrion Oil &amp; Gas proposes to plug and abandon the subject well according to the attached procedure. We are continuing study on the development of a productive Fruitland sand or coal in the area. If logs indicate that this formation will not produce hydrocarbons in paying quantities, we request that the Fruitland plug be deleted.

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

Signed

Connie S. Dinning

Title Engineer

Date 9/19/00

(This space for Federal or State office use)

Approved By

Title

Date

10/5/00

Conditions of approval, if any:

## PLUG & ABANDONMENT PROCEDURE

9/18/00

### **Pot Mesa #4**

WC Mesaverde

465' FNL and 1780' FWL, Section 10, T-20-N, R-6-W

McKinley Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Merrion safety regulations. MOL and RU daylight pulling unit. NU relief line. Blow down well and kill with water as necessary.
2. POH and LD rods and pump. Hot oil tubing if necessary. TOH and tally 2-7/8" tubing (90 joints, total 2975'); visually inspect the tubing, if necessary LD bad tubing and PU workstring. Round-trip 5-1/2" gauge ring or casing scraper to 2100'.
3. **Plug #1 (Menefee interval, 2100' – 2004')**: Set a 5-1/2" CIBP or CR at 2100'. TIH with open ended tubing workstring and tag. Load casing with water and circulate clean. Pressure test casing to 500#, if casing does not test then spot or tag subsequent plug as appropriate. Mix 18 sacks Class B cement and spot a balanced plug above the CIBP to isolate the Menefee perforations. PUH to 1470'.
4. **Plug #2 (LaVentana top, 1470' – 1370')**: Mix and pump 18 sxs Class B cement and spot a balanced plug inside the casing to cover LaVentana top. TOH to 713'.
5. **Plug #3 (Pictured Cliffs top, 713' – 613')**: Mix and pump 18 sxs Class B cement and spot a balanced plug inside the casing to cover PC top. TOH 460'.
6. **Plug #4 (Fruitland, Kirtland, Ojo Alamo and Surface casing shoe, 460' – Surface)**: Establish circulation out casing valve. Mix and pump approximately 52 sxs Class B cement to fill the inside of the casing from 307' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut in well and WOC.
7. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, Move off location, cut off anchors and restore location.

# Pot Mesa #4

Current

WC Mesaverde

NW Section 10, T-20-N, R-6-W, McKinley County, NM

Today's Date: 9/18/00  
Spud: 10/29/85  
Completed: 12/27/85  
Elevation: 6850' GI  
6858' KB

12-1/4" hole

Ojo Alamo @ 202'

Kirtland @ 257'

Fruitland @ 410'

Pictured Cliffs @ 663'

LaVentana @ 1420'

Menefee @ 2047'

7-7/8" hole

PBTD 3116'

TD 3190'

Circulate cement to surface

8-5/8" 23# J-55 Casing set @ 88'  
Cmtd with 95 cf (Circulated to Surface)

## Well History

Nov '89: Locate hole in tubing; repair.

Sep '93: Hot oil tubing; change out pump.

Feb '98: Pumping, fluid level at 2835';  
Tubing and casing - 150#.

2-7/8" Tubing set at 2975'  
(90 joints with SN 2937',  
with rods and pump)

Menefee Perforations:  
2147' - 2920"

5-1/2" 14#, J-55 Casing set @ 3177'  
Cmt with 738 cf (460 sxs)  
Circulate 21 bbls cement to surface

# Pot Mesa #4

## Proposed P&A

WC Mesaverde

NW Section 10, T-20-N, R-6-W, McKinley County, NM

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Completed: 12/27/85  
Elevation: 6850' GI  
6858' KB

