

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 & 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)

660' fnl & 1980' fel (nw ne)
Section 10, T20N, R6W

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Pot Mesa No. 1

9. API Well No.

30-031-20882

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 & 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 #1

WC Mesaverde

660' FNL and 1980' FEL, 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 Merriam safety regulations. MOL and RU daylight pulling unit. NU relief line. Blow down well and kill with water as necessary.
2. If present, LD rods and pump; most likely will have to hot oil tubing. TOH and tally 2-3/8" tubing (86 joints, total 2548'); visually inspect the tubing, if necessary LD tubing and PU workstring. Round-trip 4-1/2" gauge ring or casing scraper to 2148'.
3. **Plug #1 (Menefee interval, 2148' – 2040')**: Set a 4-1/2" CIBP at 2148'. TIH with open ended tubing workstring and tag CIBP. Load casing with water and circulate clean. Pressure test casing to 500#, if casing does not test then spot or tag subsequent plugs as appropriate. Mix 12 sacks cement and spot above the CIBP to isolate the Menefee perforations. PUH to 1476'.
4. **Plug #2 (LaVentana top, 1476' – 1376')**: Mix 12 sxs cement and spot a balanced plug inside the casing to cover LaVentana top. TOH to 765'.
5. **Plug #3 (Pictured Cliffs top, 765' – 665')**: Perforate 3 squeeze holes at 765'. Establish injection rate into squeeze holes. TIH with tubing to 765'. Mix 36 sxs cement and spot inside the casing, PUH out of cement and squeeze 24 sxs outside the casing and leave 12 sxs inside the casing to cover PC top. TOH and LD tubing.
6. **Plug #4 (Fruitland, Kirtland, Ojo Alamo and Surface casing shoe, 510' – Surface)**: Perforate 3 squeeze holes at 510'. Establish circulation out bradenhead valve. Mix and pump approximately 160 sxs cement down 4-1/2" casing, circulate good cement out bradenhead valve. 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.

Current

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

6900' KB

Ojo Alamo @ 100'

Kirtland @ 290'

Fruitland @ 460'

Pictured Cliffs @ 715'

LaVentana @ 1426'

Menefee @ 2090'

8-5/8" 23# J-55 Casing set @ 93'
Cmtd with 95 cf (Circulated to Surface)

Well History

May '85: Complete well, middle perfs
2514'-2518'

Jul '85: Hot oil to pull rods; then perforate and swab test lower Menefee, 2748'-2754.

Oct '85: Hot oil to pull rods; frac lower Menefee, 2748'-2754'.

Nov '85: Hot oil to pull rods; then perforate additional zones in upper Menefee, foam frac.

Mar '91: Hot oil and rod job.

May '93: Change out pump.

Feb '98: Shot fluid level at 1890'; tubing and casing have 150#; possible hole in tubing.

Top of cement @ 850' (TS)

2-3/8" Tubing set at 2548'
(86 joints, SN 2514',
with rods and pump)

Menefee Perforations:
2198' - 2754'

4-1/2" 10.5#, K-55 Casing set @ 3151'
Cmt with 431 cf (250 sxs)

PBTD 3109'

TD 3158'

Pot Mesa #1

Proposed P&A

WC Mesaverde

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

Today's Date: 9/18/00

Spud: 4/30/85

Completed: 5/30/85

Elevation: 6891' GI
6900' KB

