

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)

330' fsl & 990' fel (se se)
Section 12, T20N, R6W

5. Lease Designation and Serial No.

NM-7774

6. If Indian, Allottee or Tribe Name

7. Unit or CA, Agreement Designation

8. Well Name and No.

McCollum No. 2

9. API Well No.

30-031-20496

10. Field and Pool, or Exploratory Area

Franciscan Lake MV

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 and Gas proposes to plug and abandon the subject wellbore as per the attached detailed procedure.

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

Signed

Connie S. Dinning

Title

Contract Engineer

Date

11/8/99

(This space for Federal or State office use)

Approved By

Title

Date

11/30/99

Conditions of approval, if any:

PLUG & ABANDONMENT PROCEDURE

11-4-99

McCollum #2

Franciscan Lake Mesaverde
330' FSL and 990' FEL, Section 12, 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. POH and LD rods and pump. Hot oil tubing if necessary. ND wellhead and NU BOP, test. TOH, tally and visually inspect 2-3/8" tubing (2725'). If necessary LD 2-3/8" tubing and PU workstring.
3. **Plug #1 (Mesaverde perforations, 2406' – 1760')**: TIH with open ended tubing workstring and tag RBP at 2406', or as deep as possible. Load casing with water and circulate clean. Mix 65 sacks Class B cement (long plug, 30% excess) to fill and cover the Mesaverde perforations. PUH to 1000' and WOC. TIH and tag cement. Pressure test casing to 500#. PUH to 1305'.
4. **Plug #2 (Mesaverde top, 1305' – 1205')**: Perforate 3 squeeze holes at 1305'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 1255'. Establish rate into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside casing and spot 12 sxs inside to cover Mesaverde top. POH with tubing.
5. **Plug #3 (Pictured Cliffs top and Surface casing shoe, 535' – Surface)**: Perforate 3 squeeze holes at 535'. Establish circulation out bradenhead valve. Mix and pump approximately 200 sxs Class B cement down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
6. 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.

McCollum #2

Current

Franciscan Lake Mesaverde

SE Section 12, T-20-N, R-6-W, McKinley County, NM

Today's Date: 11/4/99
Spud: 12/23/77
Completed: 3/24/78
Elevation: 6730' GL
6743' KB

12-1/4" hole

8-5/8" 20# Casing set @ 96'
Cmtd with 30 sxs (Circulated to Surface)

Well History

Nov '78: Complete Menefee: Pull tubing, rods; set RBP; perforate, acidize and frac Menefee zone from 2315' to 2324'; TOH with packer, TIH with retrieving head; swab well, started flowing strong, and apparently did not recover. Retrievable BP at 2406'; land tubing and flow well.

Apr '88: Rods parted

Jun '88: Change out pump, could not fish standing valve, pulled tubing, no problem.

Oct '91: tubing split; possible rod wear, change out pump from BHD to THD

Pictured Cliffs @ 485'

TOC @ 1222' (CBL, 1978)

Mesaverde @ 1255'

2-3/8" Tubing set at 2725'
(81 joints with 3/4" rods and pump)

Menefee @ 1810'

Menefee Perforations:
2315' - 2324'

Point Lookout @ 2720'

Baker Model "C" RBP @ 2406' (1978)

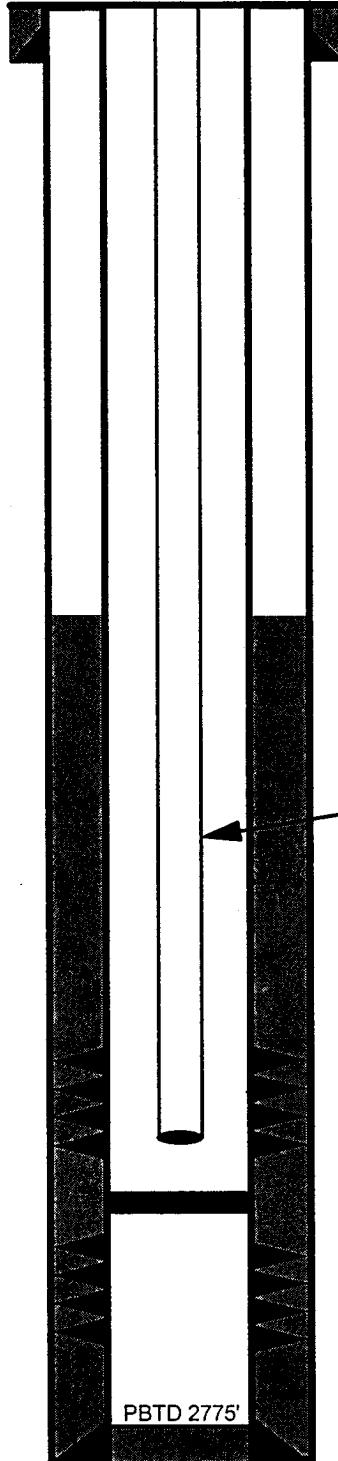
Mesaverde Perforations:
2727' - 2745', 2728' - 2739'

PBTD 2775'

7-7/8" hole

4-1/2" 9.5# Casing set @ 2817'
Cmt with 325 sxs

TD 2817'



McCollum #2

Proposed P&A

Franciscan Lake Mesaverde

SE Section 12, T-20-N, R-6-W, McKinley County, NM

Today's Date: 11/4/99
Spud: 12/23/77
Completed: 3/24/78
Elevation: 6730' GL
6743' KB

12-1/4" hole

8-5/8" 20# Casing set @ 96'
Cmt with 30 sxs (Circulated to Surface)

Pictured Cliffs @ 485'

Plug #3 535' - Surface
Cmt with 200 sxs Class B

Perforate @ 535'

Mesaverde @ 1255'

TOC @ 1222' (CBL, 1978)

Plug #2 1305' - 1205'
Cmt with 12 sxs Class B

Menefee @ 1810'

Plug #1 2406' - 1760'
Cmt with 65 sxs Class B,
(long plug, 30% excess)

Menefee Perforations:
2315' - 2324'

Point Lookout @ 2720'

Baker Model "C" RBP @ 2406' (1978)

Mesaverde Perforations:
2727' - 2745', 2728' - 2739'

7-7/8" hole

4-1/2" 9.5# Casing set @ 2817'
Cmt with 325 sxs

PBTD 2775'

TD 2817'