

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)

1650' fsl & 1650' fel (nw se)

Section 3, T24N, R8W

5. Lease Designation and Serial No.

NM-23751

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

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9. API Well No.

30-045-22224

10. Field and Pool, or Exploratory Area

Dufers Pt. Gallup/Dakota

11. County or Parish, State

San Juan 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 well according to the detailed procedure attached.

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

Signed

Connie S. Dinning

Title

Contract Engineer

Date

1/8/99

(This space for Federal or State office use)

Approved By

/s/ Duane W. Spencer

Title

Date

JAN 19 1999

Conditions of approval, if any:

PLUG & ABANDONMENT PROCEDURE

1-6-99

Federal B #1

Dufers Gallup/Dakota
1650' FSL and 1650' FEL, Section 3, T-24-N, R-8-W
San Juan County, 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 rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Merriam safety rules and regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line to blow well down; kill with water as necessary.
2. POH and LD rods with pump, hot oil rods and tubing as necessary. ND wellhead and NU BOP and stripping head; test BOP. TOH and tally 2-3/8" tubing (219 joints 6950'); visually inspect the tubing. If necessary LD tubing and PU 2" workstring.
3. **Plug #1 (Dakota and Graneros perforations and tops, 7020' – 6794')**: TIH with open ended tubing and tag CIBP at 7031' or as deep as possible. Load casing with water and attempt to establish circulation. Mix 55 sxs Class B cement and spot a plug inside casing above the CIBP to isolate the Dakota perforations, cover Dakota top and fill Graneros perforations and cover top. POH and WOC. RIH and tag cement. POH with tubing.
4. **Plug #2 (Gallup perforations and top, 5824' - 5774')**: Round trip wireline gauge ring or casing scraper to 5824'. RIH with 5-1/2" wireline CIBP and set at 5824'. TIH with open ended tubing 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 plug as appropriate. Mix 12 sxs Class B cement and spot a balanced plug inside casing above the CIBP to isolate Gallup interval. POH with tubing.
5. **Plug #3 (Mesaverde top, 3350' - 3250')**: Perforate 3 squeeze holes at 3350'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 3300'. Establish rate into squeeze holes. Mix 47 sxs Class B cement, squeeze 30 sxs outside casing and spot 17 sxs inside to cover Mesaverde top. POH with tubing.
6. **Plug #4 (Pictured Cliffs and Fruitland tops, 2510' - 2272')**: Perforate 3 squeeze holes at 2510'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 2460'. Establish rate into squeeze holes. Mix 103 sxs Class B cement, squeeze 70 sxs outside casing and spot 33 sxs inside to cover Fruitland top. POH with tubing.
7. **Plug #5 (Kirtland and Ojo Alamo tops, 1894' - 1680')**: Perforate 3 squeeze holes at 1894'. Establish rate into squeeze holes if casing tested. Set 5-1/2" cement retainer at 1844'. Establish rate into squeeze holes. Mix 93 sxs Class B cement, squeeze 63 sxs outside casing and spot 30 sxs inside to cover Ojo Alamo top. POH and LD tubing.
8. **Plug #6 (8-5/8" Surface Casing at 364')**: Perforate 3 HSC squeeze holes at 414'. Establish circulation out bradenhead valve. Mix and pump approximately 115 sxs Class B cement down 5-1/2" casing, circulate good cement out bradenhead valve. Shut in well.
9. 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.

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Current

Dufers Gallup/Dakota

SE, Section 3, T-24-N, R-8-W, San Juan County, NM

Today's Date: 1/6/99
Spud: 11/22/76
Dk Comp: 1/19/77
Gn Re-Comp: 6/5/77
GI Re-Comp: 8/14/85
Elevation: 7203' (GL)
7217' (KB)

Ojo Alamo @ 1730'

Kirtland @ 1844'

Fruitland @ 2322'

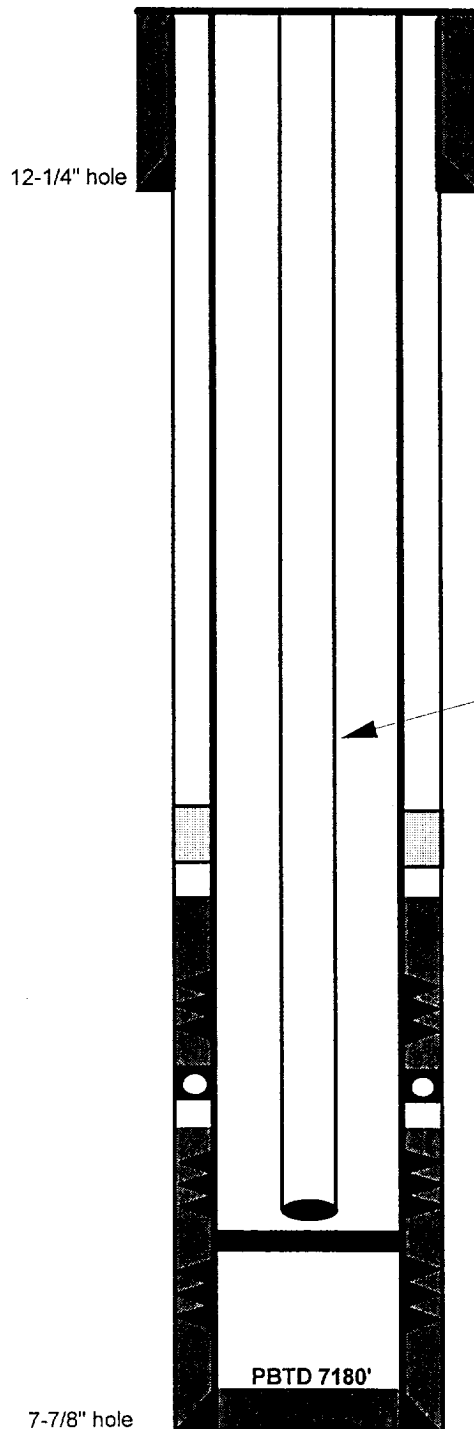
Pictured Cliffs @ 2460'

Mesaverde @ 3300'

Gallup @ 5874'

Graneros @ 6844'

Dakota @ 6922'



8-5/8" 24#, Csg set @ 362'
250 sxs cement (Circulated to Surface)

Workover History

May '77: Set BP at 6200'; perforate Gallup 5876' to 6156'; frac and return to production.

Aug '82: Rod job; heavy paraffin.

Aug '85: Pull rods and tubing; clean out to 7031'; perforate and frac Graneros 6858' to 6880'; land tubing and run rods.

Jun '88: Hole in tubing, replace.

May '89: Casing leak at 4250'; first squeeze was 50 sxs, then 75 sxs; swab tested, no fluid.

May '90: Rod job, heavy paraffin buildup; had to strip out rods.

Aug '92: Rod job, replaced pump.

Jul '96: Rod job, heavy paraffin.

2-3/8" Tubing set at 6950'
(219 jts, with rods and pump,
well has history of heavy paraffin)

Sgz csg leak at 4250'
with 125 sxs cmt (May '89)

TOC @ 5280' (CBL)

Gallup Perforations:
5876' - 6156'

DV Tool @ 6283'
w/200 sxs

TOC @ 6468' (CBL)
Graneros Perforations:
6858' - 6880'

CIBP @ 7031'
(85 workover tagged hard)

Dakota Perforations:
7061' - 7164'

5-1/2" 14, 15.5 & 17# Csg set @ 7216'
Cmt with 150 sxs

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Proposed P&A

Dufers Gallup/Dakota

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Elevation: 7203' (GL)
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Ojo Alamo @ 1730'

Kirtland @ 1844'

Fruitland @ 2322'

Pictured Cliffs @ 2460'

Mesaverde @ 3300'

Gallup @ 5874'

Grangerous @ 6844'

Dakota @ 6922'

