

Distribution: O+3 (BLM); 1-Accounting; 1- Land; 1-File; 1-NMOCD (INFO ONLY)

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FORM 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, NM
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)

990' fnl & 1650' fwl (ne nw)
Section 20, T26N, R11W

5. Lease Designation and Serial No.

SF-078899-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Blackrock D Com No. 1

9. API Well No.

30-045-05776

10. Field and Pool, or Exploratory Area

Basin 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 (Final)
☐ 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 wellbore according to the attached procedure.

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

Signed

Connie S. Dinning

Title Production Engineer

Date 12/15/03

(This space for Federal or State office use)

Original Signed: Stephen Mason

Approved By

Title

Date

JAN 09 2004

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

NMOCD

PLUG AND ABANDONMENT PROCEDURE

December 9, 2003

Blackrock D Com #1

Basin ~~Gallup~~ *Dakota*

990' FNL and 1650' FWL, Section 20, T26N, R11W
San Juan County, New Mexico / API #30-045-05776

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Merriam safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. Tally and prepare a 2-3/8" tubing workstring.
3. **Plug #1 (Dakota perforations: 5870' – 5770')**: TIH with open ended tubing and tag existing RBP at 5870' or as deep as possible. Load the casing with water and circulate the well clean. Mix 12 sxs cement and spot a balanced plug inside the casing to isolate the Dakota interval. PUH to 4960'. Note: casing has several leaks and will not pressure test.
4. **Plug #2 (Gallup top, 4960' - 4860')**: Mix 12 sxs cement and spot a balanced plug inside the casing to cover the Gallup top. PUH with tubing. PUH to 3378.
5. **Plug #3 (Mesaverde top, ^{2283 2183}3378' – 3278')**: Mix 20 sxs cement (excess due to casing leaks) and spot a balanced plug inside casing to cover the Mesaverde top. PUH and WOC. TIH and tag cement, must be at least ²¹⁸³3278'. Attempt to pressure test casing. If casing does not test, then spot or tag subsequent as appropriate. TOH with tubing.
6. **Plug #4 (Pictured Cliffs top, 1415' – 1315')**: Perforate 3 HSC holes at 1415'. Set a 4-1/2" CR at 1365'. Establish an injection rate into the squeeze holes. Mix and pump 51 sxs cement, squeeze 39 sxs outside 4-1/2" casing and leave 12 sxs inside casing to cover Pictured Cliffs top. TOH.
7. **Plug #5 (Fruitland top, ^{1148 1048}990' – ¹¹⁴⁸890')**: Perforate 3 HSC holes at ¹¹⁴⁸990'. Set a 4-1/2" CR at ¹¹⁴⁸940'. Establish an injection rate into the squeeze holes. Mix and pump 51 sxs cement, squeeze 39 sxs outside 4-1/2" casing and leave 12 sxs inside casing to cover the Pictured Cliffs top. TOH and LD tubing.
8. **Plug #6 (Surface casing, 490' – Surface)**: Perforate 3 squeeze holes at 490'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 220 sxs cement down the 4-1/2" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
9. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Blackrock D Com #1

Current

Basin Dakota

990' FNL & 1650' FWL, Section 20, T-26-N, R-11-W

San Juan County, NM, API #30-045-05776

Today's Date: 12/9/03

Spud: 5/15/61

Completed: 6/5/61

Elevation: 4158' KB

12-1/4" hole

Ojo Alamo @ 300'

Kirtland @ 440'

Fruitland @ 940'

Pictured Cliffs @ 1365'

Holes in casing 1472' - 1654'
Sqz w/total 98 sxs, (10/03)

Holes in casing 3317' - 2669'
Sqz w/total 50 sxs, (11/03)

Mesaverde @ 3328'

Holes in casing, 2864' - 3482'
Sqz w/total 55 sxs, (10/03)

Holes in casing 2888' - 2626'
Sqz w/total 20 sxs, (10/03)

Gallup @ 4910'

Dakota @ 5911'

7-7/8" hole

8-5/8" 24#, Casing set @ 223'
Cmt with 175 sxs (Circulated to Surface)

Well History:

Oct '67: Ran casing inspection log: isolated casing holes 3700' - 3775', sqz with 350 sxs.

Apr '70: Sqz holes in casing 2883- 2976' with total 225 sxs cement.

Oct '03: Planned Gallup Pay Add: Found numerous holes in casing from 1476' to 3482' and did 4 cement squeeze with total 223 sxs cement. Ran casing inspection log from 3550' to surface, found multiple holes in casing. Also suspect parted casing at 3087' to 3051' where interval was swaged and milled. Left RBP at 5870' with packer parts above.

TOC @ 2580' ('67 T.S., after squeeze)

Holes in casing 2883' - 2976'
Sqz w/total 150 sxs, (4/70)

Holes in casing 3700' - 3775'
Sqz w/total 350 sxs, (10/67)

TOC @ 4600' ('61 T.S.)

RBP lost @ 5870' (11/03)
(Note: covered with pieces of packer slips)
Baker Model D Packer @ 5935'

Dakota Perforations:
5946' - 5980'

4-1/2" 9.5# Casing set @ 6093'
Cmt with 186 sxs (450 cf)

TD 6131'

TD 6131'