

Distribution:

Orig+4 (BLM); 1-Crystal; 1-Accounting; 1-Well File

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993Lease Designation and Serial No.
SR-079086

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

3. Address and Telephone No.

P. O. Box 840, Farmington, New Mexico 87499

(505) 327-9801

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

1850' fsl & 790' fel
Section 24, T24N, R6W

6. If Indian, Allottee or Tribe Name

If Indian or CA, Agreement Designation

8. Well Name and No.

Canada Mesa No. 2

9. API Well No.

30-039-20571

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

Rio Arriba,
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 Workover☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water

(Note: Report results of multiple completion on Well 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.)*

10/11/95 MIRU Big A Rig No. 16 at 12:00 noon 10/11/95 to swab. Initial fluid level at 400'. Made 9 swab runs and fluid level dropped to approximately 2400'. Recovered approximately 66 bbls of fluid. The first run was mostly condensate but the remaining 8 runs were grey water with fine particulate that would settle out in 10 mins. Waited for 30 mins and fluid level built up to 2000'. Made two more swab runs and fluid level stayed at 2000'. RD swab equipment. ND WH & NU BOP. Release donut and removed. TIH with extra joint and tagged soft fill 28' below bottom of the tubing (6690' KB according to previous tally; PBD 6698' KB). TOH with 60 stands of tubing. SDON.

10/12/95 TOH with remaining 48 stands of 2-3/8" tubing, total 216 joints. Seating nipple was on top of bottom joint. Bottom of tubing was at 6511' KB (bottom perf at 6506' KB). PBD @ 6538'. LD 1 bad joint and 1 split collar. PU Mountain States RBP and tension packer and TIH. Set RBP at 6345' KB (top perf at 6450' KB). Reverse circulated hole clean with 2% KCl water. POH, set packer at 6280' KB. Press tested tubing and RBP to 750# - held OK. Pumped into casing annulus and established circulation through the bradenhead at 1 BPM at 700#. Release packer, spot 5 gal of sand on RBP, and POH. Isolated several holes from 1067' KB to 494' KB. TOH and removed packer. TIH open ended to 1088'. Spotted 45 sxs of Class 'B' neat cement from 1088' to 594'. POH to 316' and reverse circulated hole clean. TOH and PU packer. TIH and set packer at 253' KB. Pressured annulus to 200#. Established circulation through the bradenhead with 2% KCl water at 1.75 BPM at 700#. Pumped 200 sxs of Class 'B' cement with 3% CaCl₂ and circulated 4 bbls of good cement to surface. Closed bradenhead valve and pumped an additional 50 sx of Class 'B' cement with 3% CaCl₂. Maximum squeeze pressure was 500#. Final pressure was 300#. Displaced cement below packer with 1.5 bbls of water at 0.5 BPM at 300#. Shut well in for 15 mins. Pressure bled back to 100#. Pumped another 0.75 at 0.4 BPM at 300#. Shut well in for another 15 mins. Pressure bled back to 100#. Pumped 1.25 bbls at 9.4 BPM at 450#. Bled back to 100#. Shut well in for another 15 mins and then pumped the final 1.0 bbls of displacement at 0.4 BPM and 600#. Pressure bled back to 300#.

*** CONTINUED OTHER SIDE ***

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

Signed

Steven S. Dunn

Title Operations Manager

Date 11/1/95

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

ACCEPTED FOR RECORD

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 statements or representations as to any matter within its jurisdiction.

FARMINGTON DISTRICT OFFICE
BY *mm*

NMOcn

10/13/95 Release packer and TOH. LD pkr. PU 3-7/8" three blade paddle mill and TIH. Tag cement at 429' KB. Drill good cement to 911' KB. Bottom of cement should be at approx. 1088' KB. Shut well in for weekend.

10/16/95 Press test casing to 911' KB to 500#. Press dropped to 300# in 5 mins but holds at 300#. Continued drilling cement to approx. 1130' KB (last 80' was relatively soft and had stringers). Circulated hole clean and TOH. PU casing scraper and TIH to 1396'. Press tested casing to 500#. Press dropped to 300# in 15 seconds and to 200# in 5 mins. Holds steady at 200#. TOH and LD casing scraper. PU tension packer and isolated holes from 525' to 555' KB. TOH and LD packer. PU retrieving head and seating nipple, TIH to 4411' KB. RU swab tools and swabbed well down to approx. 2000'. Marked line and will leave well open overnight for dry test. Will check for fluid level 10/17/95.

10/17/95 Run swab and tag fluid level at 1000' (approx. 14.5 bbls of inflow in 15 hrs). RD swab tools and TOH with tubing. LD retrieving head and seating nipple. TIH open-ended to 548' KB. Cementers Inc. spotted 25 sxs of Class 'B' cement with 2% CaCl₂ from 548' to 200' KB. Slowly TOH. Displaced cement with 2.5 bbls at 0.5 BPM. Maximum squeeze pressure was 1000#. Shut in well for 15 mins and pressure bled back to 350#. Displaced cement with another 0.5 bbls at 0.25 BPM up to 1000#. Shut well in. Pressure bled back to 400# in 15 mins. Displaced cement with another 0.5 bbls at 0.25 BPM to a maximum of 950#. Shut well in and pressure dropped to 450# in 15 mins. WOC overnight. Total displacement was 3.5 bbls and top of cement should be 420' KB.

10/18/95 SICP at 7:30 AM - 275#. PU paddle mill and TIH. Tagged cement top at 460' KB. PU swivel and drld cement to 565' KB (last 15' was stringers). Pressure tested casing to 550# - held OK. TOH, PU casing scraper, TIH to 735'. Circulated hole and TOH. PU retrieving head and seating nipple. TIH to 4411' KB. RU swab tools and swd well down to 1200'. Dry tested well for 3 hrs - no inflow. TIH to RBP and reverse circulate off sand. Release RBP and TOH. Shut well in overnight.

10/19/95 TIH with 1 joint, seating nipple and 215 joints of 2-3/8" tubing. Landed at 6460' KB. ND BOP, NU WH. Prep rig to start swabbing. Made a total of 20 swabbing runs. Hit first fluid level at 1700'. Fluid level was down to 3700' by the last run. Recovered approx. 120 bbls of fluid. Started to hit gas pockets in tubing while swabbing. Casing pressure was 0 psi (or on a vacuum), until the last 6 runs when it started to blow slightly (not enough to move a gauge). Temperature of fluid at surface was 120°. Shut well in overnight. Will continue swabbing in AM. Made a total of 27 swab runs. Hit fluid level on first run at 1700'. Final fluid level at 4100'. Recovered approx. 150 bbls of fluid for the day. After run #7, casing press started to increase. Final casing pressure at end of day 40 psi. Shut in well and shut down for weekend.

10/23/95 Pressures: 0/60 psi. SI over weekend. Blow down casing. Swab 90 bbls, 100% water to pit. Shut-in. SDON.

10/24/95 SIP 0/0 psi. IFL 1800'. Swab 194 bbls gray water. FFL 3800'. (Suspect casing leak). SDON.

10/25/95 Pressures: Tbg 5 psi./Csg 40 psi. Blew tubing and casing down. NU BOP. TOH with tubing. TIH with BP and packer. Set BP @ 6347' KB. Set packer at 6300' KB. Tested BP to 1000 psi - OK. Unset packer, swabbed 46 bbls water from 1600'-4200'. SDON.

10/26/95 Pressures: Tbg 0 psi./Csg 0 psi. Ran swab and tagged FL @ 4200' KB, no fluid entry overnight. Swabbed to 5600'. Determined water must be coming from Dakota. Caught BP from 6347' KB. TOH, LD tools. TIH with tubing. Production string swabbed 67 BW, starting FL 2500' KB ending FL 3200'. SDON.

10/27/95 Pressures: Tbg 0 psi./Csg 0 psi. IFL 2400'. Swab 170 bbls fresh water. Gas cut and gas blow behind swab. Casing open while swabbing. Left well open. SD for weekend.

10/30/95 RDMOL. Left well shut in. Waiting on rental pumping unit.