

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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.

Use "APPLICATION FOR PERMIT--" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well
Oil ☐ Gas ☐
☒ Well ☐ Well ☐ Other

2. Name of Operator

Merrion Oil & Gas Corporation

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)

465' FSL & 2300' FWL (SE SW)

Section 3, T20N, R6W

5. Lease Designation and Serial No.
NM-53926

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

CORRALES No. 2

9. API Well No.

30-031-20898

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

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other Add Mesaverde☐ 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.)*

9/04/01 Road rig to location. Find anchors.

9/05/01 U Professional Well Service Rig No. 3. RD WH. Unset pumps. Rods paraffin up. WO hot oiler and water. Tried to hot water rods and tubing, tubing plugged. RU to strip rods and tubing out of hole. Backed off rods. TOH with 37 - 3/4" rods. PU tubing and tagged 25' lower.

9/06/01 Finish stripping rods and tubing out of hole, 78 joints of 2-3/8" tbg, seating nipple, 4' perforated sub, 1 joint mud anchor - 256' total. TIH with 2-7/8" tubing and hot water. TOH. TIH with 5-1/2" casing scraper to 2176'. TOH with scraper.

9/07/01 TIH with 5-1/2" CIBP on 2-7/8" tubing set at 2140'. Circulate hole with 2% KCl water. TOH. RD BOPs. RU frac valve. Pressure tested bridge plug and casing to 3000 psi for 15 mins - held OK. RD frac valve, RU BOPs. TIH with 2-7/8" tubing, seating nipple 1 joint off bottom at 1747'. Swabbed well dry. TOH with tubing. RU Blue Jet, run DCL log (2141' to 1000'). Perforated top down (1 JSPF, 3-1/8" casing gun, total of 48 holes, .34" hole size) at: 1774'-80' (6' - 7 holes); 1803'-07' (4' - 5 holes); 1815'-19' (4' - 5 holes); 1822'-32' (10' - 11 holes); 1864'-74' (10' - 11 holes); 1884'-96' (8' - 9 holes). RD Blue Jet. No fluid flow from well after perforating. SD for weekend.

*** CONTINUED OTHER SIDE ***

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

Signed

Steven S. Dunn

Title Drlg & Prod Manager

Date 9/21/01

(This space for Federal or State office use)

Approved By

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

2 2 6 2001

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.

ARMED OFFICE

NMOCD

9/10/01

MIRV American Energy. Wellhead pressure 0 psi. Bullhead 250 gal 10% formic acid followed by water pad. Caught pressure with 31 bbls in hole. (Had approx. 12 bbls inflow over weekend). Pump pad at 30 BPM at 2800 psi. Start 1/2# sand and screen out with 2974# total in hole. Flush with 48 bbls at 5 BPM at 3120#. ISIP 1200#. 5 m-355#, 10m-210#, 15m-130#. (Calculated frac gradient = 1.11 psi/ft). Pump step-rate test to calculate open perfs: (Perforate Delta Press assumes 1200 psi frac press and neglects pipe friction)

Rate	(BPM)	Press	*Perf	Open Perfs
0	23	--	--	--
0.5	1350	150	0.4	0.4
1.5	1460	260	1.4	1.4
2.2	1540	340	1.8	1.8
3.2	1540	340	2.6	2.6
4.2	1620	420	3.0	3.0
5.0	1660	440	3.5	3.5

Shut down 4 hours and wait on 15% HCl. Load hole with 500 gal (12 bbls) 15% HCl. Caught pressure with 6.5 bbls pumped. Overdisplace acid 3 bbls beyond bottom perf with 37 bbls water. ISIP 700 psi (calculated frac press = 0.83 psi/ft) conducted step-rate test during displacement as follows: (Perf Delta Press assumes 700 psi frac press neglects pipe friction)

Rate	(BPM)	Press	*Perf	Delta Press	Open Perfs
1.0	160	--	--	--	--
2.0	800	100	1.4	1.4	1.4
3.0	1050	350	2.4	2.4	2.4
4.3	1450	750	2.3	2.3	2.3
4.3	1580	880	2.1	2.1	2.1
5.1	1730	1030	2.4	2.4	2.4
5.1	1800	1100	2.3	2.3	2.3
9.3	2450	1750	3.3	3.3	3.3
9.3	1504	804	4.9	4.9	4.9
0	700	---	---	---	---

Shut in well for 40 minutes and let acid soak. Attempt to frac well second time with slick water. Pump 120 bbls pad at 53 BPM at 2600 psi. (Calculated Perf Delta Press = 2600-700 frac -100 pipe = 1800#. Calculated open perfs = 18). Pump 150 bbls at 0.5#/gal and well started screening out. Drop rate to 28 BPM and continue at 0.5# for another 150 bbls. Well is SERIOUS about screening out. Drop to 10 BPM and flush 44 bbls at 3200#. ISIP 830#. 5m 524#, 10m 414#, 15m 365#. Pump total of 8080# sand through blender (+ 7500# in formation). RD American Energy. Leave well shut in. Total sand pumped both jobs - 11,000#. Total fluid pumped during day 850 bbls.

9/11/01

TIH with bailer. Bailed 115' sand to 1941'. TOH, TIH with tubing. Set with seating nipple at 1747'. RU to swab. Initial fluid level 500' (27 bbls fluid over perfs). Swab 58 bbls in 17 runs over 2 hours. No gas on swab runs, however, slight H₂C gas buildup on backside. Final FL at 1200'-1300'. Final rate + 25 BPH. Load to recover = 792 bbls.

9/12/01

No pressure on well. TIH to 2140', no fill. POH landed tubing at 1941' (bottom of tubing). 59 joints of 2-7/8" tbg, seating nipple @ 1908', tail joint at 1941'. RD BOP. RU to run rods, ran 75 - 3/4" guided rods, 2-1/2" x 1-1/2" x 14' RWAC pump. Max. stroke 96", Barrel type regular CPID, Valve alloy 8C, and space pump. RDMOL.