

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, 19935. Lease Designation and Serial No.
NM-24961

6. If Indian, Allottee or Tribe Name

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

Water Injection

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)

330' FSL 7 330' FEL
Section 11, T19N, R4W

7. If Unit or CA, Agreement Designation

Eagle Mesa Unit

8. Well Name and No.

Eagle Mesa Unit No. 6

9. API Well No.

30-043-20180

10. Field and Pool, or Exploratory Area

Eagle Mesa Entrada

11. County or Parish, State

Sandoval 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 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.)*

12/26/95 Removed dry hole marker, weld on bell nipples and 7' casing nipple to install wellhead.
workover pit.1/2/96 MOL&RU Big A Well Service Rig No. 16. Spot all surface equipment (pump, pit and 300 bbl
tank). Received 115 joints of 2-7/8" tubing and 6 joints of 3-1/8" drill collars. Install tubing
head and NU BOP. Change out rams and slips.1/3/96 Start drilling 1st cement plug at surface. Pump froze, shut down to thaw out. Continued
drilling. Drilled to a depth of 51.93'. Drain pump. SD for night.

CONTINUED OTHER SIDE

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

Signed

Steven S. Dunn

Title

Operations Manager

Date

1/22/96

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Chief, Lands and Mineral Resources

Date

FEB 23 1996

1/4/96 Continued drilling cement. Alternated between conventional and reverse circulation. Drilled to a depth of 111.18' KB (drill rate approx. 7-8 ft/hr). Drained pump and SDFN.

1/5/96 Finished drilling through 1st cement plug. TIH and tag 2nd cement plug at 520' KB. Start drilling 2nd cement plug. While drilling at approx. 545' KB, noticed returns circulating out around wellhead. Still had good circulation (reverse circulating at the time). Lost approx. 7 bbls of fluid around wellhead. TOH with bit, drill collars and tubing. Shut well in and SD for weekend.

1/8/96 PU Mountain States 7" x 2-7/8" retrievable packer and RIH on 1 stand of 2-7/8" tubing. Set packer. Pressured up down backside, would not hold pressure. Release packer and move up hole 1 joint, set packer and pressure again, still up down backside. Noticed that 7" sub was not tight and fluid was leaking through the threads and that the straps holding the 7" casing to the surface casing were busted. Tightened collar and 7" sub. Pressure tested casing from surface - held OK. TIH with new blade bit, 6 drill collars and 13 joints of 2-7/8" tubing and continued drilling cement. SD to weld 7" casing to surface casing. Continued drilling. Finished drilling 2nd cement plug at 765.01' KB. Circulated for 30 mins.

1/9/96 LD power swivel and TIH with 2-7/8" tbg and tag 3rd plug at 3004.44' KB. PU power swivel and circulated drilling mud out with 1000# pump pressure. Continue drilling cement (3rd plug). Finish drilling 3rd plug at 3275' KB. LD swivel and TIH with 31 more joints of 2-7/8" tubing and tag 4th cement plug at 4250.29' KB. PU power swivel and circulated for 30 mins. SDFN.

1/10/96 Start drilling 4th cement plug at 4250' KB. Because of circulation problems has to alternate between conventional and reverse circulation to keep from plugging. Finished drilling 4th plug at 4500.17' KB. Circulate hole.

1/11/96 TIH and tag 5th cement plug at 5151.21' KB. Circulate drilling mud out of hole. Drill out cement to 5453' KB. Pressure test casing to 600# for 15 mins - held OK. Continue drilling cement to 5487.62' KB. (Casing shoe at 5465' KB). Circulate hole. Pull up 1 stand and clean out rig pit. SDFN.

1/12/96 TOH with bit, bit sub, drill collars and 170 joints of 2-7/8" tbg. Change out blade bit for cone bit and TIH as before. SD and change out liner in rig pump. Continue drilling cement. Finish drilling cement at 5488' KB. Circulate hole for 1 hour. Start drilling new hole. Drilled to 5560.12' KB. Drilling string became differentially stuck. Worked to get free for approx. 45 mins (never lost circulation). Eventually pulled free after holding 80,000# for approx. 10 mins. Pulled up to 5514' KB and circulated hole for 30 mins. Run back in and tag fill at 5545' KB (approx. 15' of fill). Broke circulation and lay down power swivel. TOH with tubing to 5245' KB. SDFN.

1/13/96 TOH with bit, bit sub, drill collars and 2-7/8" tubing. Lay down drill collars. PU 7" casing scraper and bit. TIH on 176 joints of 2-7/8" tbg to 5455.78' KB. Circulate hole for 1 hour. TOH with bit and casing scraper. SD for weekend. 1/15/96 PU Baker 7" x 2-7/8" packer and TIH on 175 jts of 2-7/8" tubing. Set packer at 5433' KB. RU Cementers, Inc. Pressure tested down backside to 600# - held OK. RU to pump down tubing for step-rate-injection test (see attach report of test). Pumped up to 5 BPM and used a total of 524 bbls of water for the test. RD Cementers, Inc. Release packer and TOH with same, laying down 2-7/8" tbg.

1/16/96 PU Baker 7" 47B4 x 3.00" AL-2 large bore lok-set-retrievable casing packer, 3-1/2" EUE x 2.75" I.D. Chevron Seal, L-10 scaling connector, On-Off tool and 3-1/2" x 4-1/2" change over. TIH on 1 joint 4-1/2" casing, 1 joint 4-1/2" casing to 4-1/2" tubing crossover < 40 joints of 4-1/2" tubing, 1 joint 4-1/2" tubing to 4-1/2" casing crossover and 91 joints of 4-1/2", 10.5# casing. Set packer in compression at 5410.35' KB. ND BOP and landed tubing. ND WH. Release Big 'A' Well Service Rig No. 16 on 1/16/96.

1/17/96 ND WH & back off 4-1/2" string out of on-off tool. RU Cementers Inc. and pump 80 bbls of packer fluid (oxygen inhibitor) down annulus between 4-1/2" & 7" while circulating out 4-1/2". Break circulation and sting back into packer. Filled up annulus with 10 more bbls of packer fluid. Pressured up to 600# - held OK. RD Cementers Inc. ND WH & SDFN. Released rig.