

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

| | | | | | |
|--|--|--|--|--|--|
| 1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other | | | 5. Lease Serial No. SF-078530 | | |
| b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other <u>ADD PAY ZONE</u> | | | 6. If Indian, Allottee or Tribe Name | | |
| 2. Name of Operator MERRION OIL & GAS CORPORATION | | | 7. Unit or CA Agreement Name and No. | | |
| 3. Address 610 REILLY AVENUE, FARMINGTON, NM 87401 | | | 8. Lease Name and Well No. FEDERAL 20-1R | | |
| 3a. Phone No. (include area code) 505-324-5300 | | | 9. AFI Well No. 30-045-25012-12 | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1850' FSL & 1850' FEL At top prod. interval reported below At total depth | | | 10. Field and Pool, or Exploratory WHITE WASH MANCOS DK | | |
| 14. Date Spudded 05/30/1981 | | | 15. Date T.D. Reached 06/13/1981 | | |
| 16. Date Completed 03/22/2005 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. | | | 11. Sec., T., R., M., on Block and Survey or Area S20,T25N,R9W | | |
| 18. Total Depth: MD 6610' TVD | | | 12. County or Parish SAN JUAN | | |
| 19. Plug Back T.D.: MD 6545' TVD | | | 13. State NM | | |
| 20. Depth Bridge Plug Set: MD TVD | | | 17. Elevations (DF, RKB, RT, GL)* 6689' KB; 6675' GL | | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CCL | | | 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy) | | |

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 12-1/4" | 8-5/8" | 23# | | 258' | | 250 sxs | | | |
| 7-7/8" | 4-1/2" | 10.5# | | 6609' | | 1940 sxs | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2-3/8" | 6470.62' KB | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-----------|-------|--------|---------------------|-------|-----------|--------------|
| A) Gallup | 5901' | 5383' | 5901'-5383' | 0.34" | 23 | |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 5901'-5383' | Frac well with 100,000# of 20/40 Brady in 20# x-link gel. Total fluid pumped 1268 bbls. |
| | |
| | |

28. Production - Interval A

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|----------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 03/22/2005 | 05/15/2005 | 24 | → | 10 | 17 | 10 | | | PUMPING |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. SI | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| NA | 85 | 85 | → | 10 | 17 | 10 | | | |

28a. Production - Interval B

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|----------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. SI | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| | | | → | | | | | | |

*(See instructions and spaces for additional data on page 2)

NMOCD

28b. Production - Interval C

| Date First Produced | Test Date | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |

28c. Production - Interval D

| Date First Produced | Test Date | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested; cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top Meas. Depth |
|-----------|-----|--------|------------------------------|-----------------|--------------------|
| | | | | OJO ALAMO | 1014' |
| | | | | KIRTLAND | 1250' |
| | | | | FRUITLAND | 1648' |
| | | | | PICTURED CLIFFS | 1876' |
| | | | | LEWIS | 2005' |
| | | | | CHACRA | 2668' |
| | | | | CLIFF HOUSE | 3440' |
| | | | | MENEFEE | 3490' |
| | | | | POINT LOOKOUT | 4268' |
| | | | | MANCOS | 4543' |
| | | | | GALLUP | 5344' |
| | | | | SANOSTEE | 5897' |
| | | | | GREENHORN | 6260' |
| | | | | GRANEROS | 6318' |
| | | | | DAKOTA | 6377' |

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) **CONNIE S. DINNING**Title **ENGINEER**

Signature

Date **05/18/2005**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.