

(October 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                                                   |                                                                                                                   |                                                                                       |                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1a. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>                                                                                   |                                                                                                                   | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-0764                                        |                                                                                         |
| b. TYPE OF COMPLETION:<br>NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. CENVR <input checked="" type="checkbox"/> Other <input type="checkbox"/> |                                                                                                                   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                                  |                                                                                         |
| 2. NAME OF OPERATOR<br>Meridian Oil Inc.                                                                                                                                                                                                          |                                                                                                                   | 7. UNIT AGREEMENT NAME                                                                |                                                                                         |
| 3. ADDRESS AND TELEPHONE NO.<br>PO Box 4289, Farmington, NM 87499                                                                                                                                                                                 |                                                                                                                   | 8. FARM OR LEASE NAME, WELL NO.<br>Knauff #1                                          |                                                                                         |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 790'FNL, 990'FEL<br>At top prod. interval reported below<br>At total depth                                                             |                                                                                                                   | 9. API WELL NO.<br>30-045- 06554                                                      |                                                                                         |
| 14. PERMIT NO. DATE ISSUED                                                                                                                                                                                                                        |                                                                                                                   | 10. FIELD AND POOL, OR WILDCAT<br>Basin Fruitland Coal/<br>Fulcher Kutz Pic.Cliffs    |                                                                                         |
| 15. DATE SPUDDED<br>1-29-55                                                                                                                                                                                                                       |                                                                                                                   | 11. SEC. T., R., M. ON BLOCK AND SURVEY<br>OR AREA<br>Sec.13, T-27-N, R-10-W<br>NMMPM |                                                                                         |
| 16. DATE T.D. REACHED<br>2-9-55                                                                                                                                                                                                                   |                                                                                                                   | 12. COUNTY OR PARISH<br>San Juan                                                      |                                                                                         |
| 17. DATE COMPL. (Ready to prod.)<br>08-26-92                                                                                                                                                                                                      |                                                                                                                   | 13. STATE<br>NM                                                                       |                                                                                         |
| 18. ELEVATIONS (OF RKB, RT, CR, ETC.)*                                                                                                                                                                                                            |                                                                                                                   | 19. ELEV. CASINGHEAD                                                                  |                                                                                         |
| 20. TOTAL DEPTH, MD & TVD<br>2069'                                                                                                                                                                                                                |                                                                                                                   | 21. PLUG. BACK T.D., MD & TVD                                                         |                                                                                         |
| 22. IF MULTIPLE COMPL., HOW MANY*<br>2                                                                                                                                                                                                            |                                                                                                                   | 23. INTERVALS DRILLED BY<br>ROTARY TOOLS<br>CABLE TOOLS                               |                                                                                         |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>Fruitland Coal (1918-2019') (commingle w/Pic.Cliffs<br>DHC-841)                                                                                                  |                                                                                                                   | 25. WAS DIRECTIONAL SURVEY MADE<br>no                                                 |                                                                                         |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>GR-CNL-CCL, GR-CBL-CCL                                                                                                                                                                                    |                                                                                                                   | 27. WAS WELL CORRED<br>no                                                             |                                                                                         |
| 29. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                |                                                                                                                   |                                                                                       |                                                                                         |
| CASING SIZE/GRADE                                                                                                                                                                                                                                 | WEIGHT, LB./FT.                                                                                                   | DEPTH SET (MD)                                                                        | HOLE SIZE                                                                               |
| 9 5/8"                                                                                                                                                                                                                                            |                                                                                                                   | 99'                                                                                   |                                                                                         |
| 5 1/2"                                                                                                                                                                                                                                            |                                                                                                                   | 2035'                                                                                 |                                                                                         |
| 30. LINER RECORD                                                                                                                                                                                                                                  |                                                                                                                   |                                                                                       |                                                                                         |
| SIZE                                                                                                                                                                                                                                              | TOP (MD)                                                                                                          | BOTTOM (MD)                                                                           | SCREEN (MD)                                                                             |
|                                                                                                                                                                                                                                                   |                                                                                                                   |                                                                                       |                                                                                         |
| 31. TUBING RECORD                                                                                                                                                                                                                                 |                                                                                                                   |                                                                                       |                                                                                         |
| SIZE                                                                                                                                                                                                                                              | DEPTH SET (MD)                                                                                                    | PACKER SET (MD)                                                                       |                                                                                         |
| 2 3/8"                                                                                                                                                                                                                                            | 2035'                                                                                                             |                                                                                       |                                                                                         |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                                    |                                                                                                                   |                                                                                       |                                                                                         |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                                               | AMOUNT AND KIND OF MATERIAL USED                                                                                  |                                                                                       |                                                                                         |
| 1918-1970'                                                                                                                                                                                                                                        | 51,400#20/40sand;foam&acid                                                                                        |                                                                                       |                                                                                         |
| 2007-2019'                                                                                                                                                                                                                                        | 42,200#20/40sand;foam&acid                                                                                        |                                                                                       |                                                                                         |
| 240-340'                                                                                                                                                                                                                                          | sq w/275 sx Cl B w/2% CaCl2                                                                                       |                                                                                       |                                                                                         |
| 240'                                                                                                                                                                                                                                              | sq w/50 sx Cl B w/2% CaCl2                                                                                        |                                                                                       |                                                                                         |
| 33. PRODUCTION                                                                                                                                                                                                                                    |                                                                                                                   |                                                                                       |                                                                                         |
| DATE FIRST PRODUCTION<br>08-26-92                                                                                                                                                                                                                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Flowing-capable of comm.hydrocarbon prod. |                                                                                       | WELL STATUS (Producing or shut-in)<br>shut in                                           |
| DATE OF TEST<br>09-16-92                                                                                                                                                                                                                          | HOURS TESTED<br>3 hrs                                                                                             | CHOKE SIZE<br>3/4"                                                                    | PROD'N. FOR TEST PERIOD<br>OIL—BBL.<br>GAS—MCF<br>WATER—BBL.<br>OIL GRAVITY-API (CORR.) |
| 242                                                                                                                                                                                                                                               | 244                                                                                                               | 244                                                                                   | 854                                                                                     |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>to be sold                                                                                                                                                                          |                                                                                                                   |                                                                                       |                                                                                         |
| 35. LIST OF ATTACHMENTS<br>none                                                                                                                                                                                                                   |                                                                                                                   |                                                                                       |                                                                                         |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from a FIELD INSPECTION OF SURFACE AREA                                                                                                    |                                                                                                                   |                                                                                       |                                                                                         |
| SIGNED <u>Peggy Bradfield</u>                                                                                                                                                                                                                     |                                                                                                                   | TITLE <u>Peggy Bradfield</u> BY <u>9-28-92</u> DATE                                   |                                                                                         |

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

NMOCD

37. SUMMARY OF POROUS ZONES: (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);

38. GEOLOGIC MARKERS

| FORMATION       | TOP   | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                            | NAME       | TOP         |                  |
|-----------------|-------|--------|------------------------------------------------------------------------|------------|-------------|------------------|
|                 |       |        |                                                                        |            | MEAS. DEPTH | TRUE VERT. DEPTH |
| Ojo Alamo       | 1120' | 1261'  | White, cr-gr ss.                                                       | Ojo Alamo  | 1120'       |                  |
| Kirtland        | 1261' | 1846'  | Gry sh interbedded w/tight, gry, fine-gr ss.                           | Kirtland   | 1261'       |                  |
| Fruitland       | 1846' | 2051'  | Dk gry gry carb sh, coal, grn silts, tight med gry, tight, fine gr ss. | Fruitland  | 1846'       |                  |
| Pictured Cliffs | 2051' | 2069'  | Bn-Gry, fine grn, tight ss.                                            | Pic.Cliffs | 2051'       |                  |