

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                                                                  |  |                                                                      |                                              |                                   |                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------|----------------------------------------------|-----------------------------------|------------------------------------|
| 1a. TYPE OF WELL:                                                                                                                                                                                                                                                |  | OIL WELL <input type="checkbox"/>                                    | GAS WELL <input checked="" type="checkbox"/> | DRY <input type="checkbox"/>      | Other _____                        |
| b. TYPE OF COMPLETION:                                                                                                                                                                                                                                           |  |                                                                      |                                              |                                   |                                    |
| NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVR. <input type="checkbox"/> Other _____                                                             |  |                                                                      |                                              |                                   |                                    |
| 2. NAME OF OPERATOR<br>Meridian Oil Inc.                                                                                                                                                                                                                         |  |                                                                      |                                              |                                   |                                    |
| 3. ADDRESS OF OPERATOR<br>PO Box 4289, Farmington, NM 87499                                                                                                                                                                                                      |  |                                                                      |                                              |                                   |                                    |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 435'N, 1555'E<br>At top prod. interval reported below 1895'FNL, 1359'FEL<br>At total depth 313'FSL, 1069'FEL                                          |  |                                                                      |                                              |                                   |                                    |
| 14. PERMIT NO.                                                                                                                                                                                                                                                   |  | DATE ISSUED                                                          |                                              |                                   |                                    |
| 30-045-27563                                                                                                                                                                                                                                                     |  |                                                                      |                                              |                                   |                                    |
| 15. DATE SPUDDED                                                                                                                                                                                                                                                 |  | 16. DATE T.D. REACHED                                                |                                              | 17. DATE COMPL. (Ready to prod.)  |                                    |
| 04-17-90                                                                                                                                                                                                                                                         |  | 6-3-90                                                               |                                              | 09-15-90                          |                                    |
| 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)*                                                                                                                                                                                                                          |  | 19. ELEV. CASINGHEAD                                                 |                                              |                                   |                                    |
| 5802'GL                                                                                                                                                                                                                                                          |  |                                                                      |                                              |                                   |                                    |
| 20. TOTAL DEPTH, MD & TVD                                                                                                                                                                                                                                        |  | 21. PLUG. BACK T.D., MD & TVD                                        |                                              | 22. IF MULTIPLE COMPL., HOW MANY* |                                    |
| 7490'MD; 5280'TVD                                                                                                                                                                                                                                                |  | 7101'MD; 5171'TVD                                                    |                                              |                                   |                                    |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>Mesa Verde (5300-6664') MD; (4446-5022') TVD                                                                                                                                    |  |                                                                      |                                              | 25. WAS DIRECTIONAL SURVEY MADE?  |                                    |
|                                                                                                                                                                                                                                                                  |  |                                                                      |                                              | yes                               |                                    |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>CNL/CET/HLDT/SDT/TDTP/CIS                                                                                                                                                                                                |  |                                                                      |                                              | 27. WAS WELL CORRED               |                                    |
|                                                                                                                                                                                                                                                                  |  |                                                                      |                                              | no                                |                                    |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                               |  |                                                                      |                                              |                                   |                                    |
| CASING SIZE                                                                                                                                                                                                                                                      |  | WEIGHT, LB./FT.                                                      |                                              | DEPTH SET (MD)                    |                                    |
| 13 3/8"                                                                                                                                                                                                                                                          |  | 61.0#                                                                |                                              | 494'                              |                                    |
| 9 5/8"                                                                                                                                                                                                                                                           |  | 40.0#                                                                |                                              | 4455'                             |                                    |
| 5 1/2"                                                                                                                                                                                                                                                           |  | 17.0#                                                                |                                              | 7148'                             |                                    |
| HOLE SIZE                                                                                                                                                                                                                                                        |  | CEMENTING RECORD                                                     |                                              | AMOUNT PULLED                     |                                    |
| 17 1/2"                                                                                                                                                                                                                                                          |  | 607 cu.ft.                                                           |                                              | 514 SX                            |                                    |
| 12 1/4"                                                                                                                                                                                                                                                          |  | 1158 cu.ft.                                                          |                                              | 750 SX                            |                                    |
| 8 3/4"                                                                                                                                                                                                                                                           |  | 1281 cu.ft.                                                          |                                              | 1050 SX                           |                                    |
| 29. LINER RECORD                                                                                                                                                                                                                                                 |  |                                                                      |                                              |                                   |                                    |
| SIZE                                                                                                                                                                                                                                                             |  | TOP (MD)                                                             |                                              | BOTTOM (MD)                       |                                    |
|                                                                                                                                                                                                                                                                  |  |                                                                      |                                              |                                   |                                    |
| SACKS CEMENT*                                                                                                                                                                                                                                                    |  | SCREEN (MD)                                                          |                                              |                                   |                                    |
|                                                                                                                                                                                                                                                                  |  |                                                                      |                                              |                                   |                                    |
| 30. TUBING RECORD                                                                                                                                                                                                                                                |  |                                                                      |                                              |                                   |                                    |
| SIZE                                                                                                                                                                                                                                                             |  | DEPTH SET (MD)                                                       |                                              | PACKER SET (MD)                   |                                    |
| 2 3/8"                                                                                                                                                                                                                                                           |  | 6652'                                                                |                                              |                                   |                                    |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                                                               |  |                                                                      |                                              |                                   |                                    |
| 6314-16', 6328-30', 6345-46', 6400-02', 6418-19', 6490-92', 6514-16', 6534-36', 6572-74', 6617-18', 6645-46', 6663-64', 6671-72', 6698-99', 6710-11', 6824-25', 6980-81', 6002-03', 6038-39', 6139-40', 6150-51', 6159-60', 6178-80', 6198-6200'; cont'd on back |  |                                                                      |                                              |                                   |                                    |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                                                   |  |                                                                      |                                              |                                   |                                    |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                                                              |  | AMOUNT AND KIND OF MATERIAL USED                                     |                                              |                                   |                                    |
| 5300-6664'                                                                                                                                                                                                                                                       |  | 28,200# 40/70 sand                                                   |                                              |                                   |                                    |
|                                                                                                                                                                                                                                                                  |  | 502,800# 20/40 sand                                                  |                                              |                                   |                                    |
|                                                                                                                                                                                                                                                                  |  | 355,262 gal. fluid                                                   |                                              |                                   |                                    |
| 33. PRODUCTION                                                                                                                                                                                                                                                   |  |                                                                      |                                              |                                   |                                    |
| DATE FIRST PRODUCTION                                                                                                                                                                                                                                            |  | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                                              |                                   | WELL STATUS (Producing or shut-in) |
| shut in, waiting on pipeline connection; capable of commercial hydrocarbon prod.                                                                                                                                                                                 |  |                                                                      |                                              |                                   |                                    |
| DATE OF TEST                                                                                                                                                                                                                                                     |  | HOURS TESTED                                                         |                                              | CHOKE SIZE                        |                                    |
| 9-27-90                                                                                                                                                                                                                                                          |  | 3 hrs                                                                |                                              | 1 1/2"                            |                                    |
| FLOW, TUBING PRESS.                                                                                                                                                                                                                                              |  | CASING PRESSURE                                                      |                                              | CALCULATED 24-HOUR RATE           |                                    |
| 121                                                                                                                                                                                                                                                              |  | 363                                                                  |                                              | 12,200                            |                                    |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)                                                                                                                                                                                                       |  | to be sold                                                           |                                              |                                   |                                    |
| 35. LIST OF ATTACHMENTS<br>temp. survey                                                                                                                                                                                                                          |  |                                                                      |                                              |                                   |                                    |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                                                                |  |                                                                      |                                              |                                   |                                    |
| SIGNED                                                                                                                                                                                                                                                           |  | TITLE                                                                |                                              | DATE                              |                                    |
| [Signature]                                                                                                                                                                                                                                                      |  | Regulatory Affairs                                                   |                                              | 9-28-90                           |                                    |

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

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):

| FORMATION            |       | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                                                                  | TOP           |                  |
|----------------------|-------|-----|--------|--------------------------------------------------------------------------------------------------------------|---------------|------------------|
|                      |       |     |        |                                                                                                              | NAME          | MEAS. DEPTH      |
|                      |       |     |        |                                                                                                              |               | TRUE VERT. DEPTH |
| Ojo Alamo            | 1573' |     | 1722'  | White, cr-gr ss..                                                                                            | Ojo Alamo     | 1573'            |
| Kirtland             | 1722' |     | 2353'  | Gry sh interbedded w/tight, gry, fine-gr ss.                                                                 | Kirtland      | 1722'            |
| Fruitland            | 2353' |     | 2693'  | Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.                                       | Fruitland     | 2353'            |
| Pictured Cliffs      | 2693' |     | 3356'  | Br-Gry, fine grn, tight ss.                                                                                  | Pic.Cliffs    | 2693'            |
| Chacra               | 3356' |     | 4568'  | Gry fn grn silty, glauconitic sd stone w/drck gry shale                                                      | Chacra        | 3356'            |
| Mesa Verde           | 4568' |     | 5595'  | Light gry, med-fine gr ss, carb sh & coal                                                                    | Mesa Verde    | 4568'            |
| Menefee              | 5595' |     | 5308'  | Med-dark gry, fine gr ss, carb sh & coal                                                                     | Menefee       | 5595'            |
| Point Lookout        | 6308' |     |        | Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation                               | Point Lookout | 6308'            |
| perforations cont'd: |       |     |        | 5300-02', 5326-28', 5384-86'; 5401-03', 5482-83', 5492-94', 5506-07', 5520-22', 5559-61', 5590-92'; 5614-16' |               |                  |