

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

Form approved.  
Budget Bureau No. 1004-013  
Expires August 31, 1985

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: <u>None</u>                                                                                    |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>SF-080382-A                                                                                |  |
| b. TYPE OF COMPLETION:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other: <u>None</u> |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>Navajo                                                                                    |  |
| 2. NAME OF OPERATOR<br>Marathon Oil Company                                                                                                                                                                                            |  | 7. UNIT AGREEMENT NAME                                                                                                            |  |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 552, Midland, Texas 79702                                                                                                                                                                           |  | 8. FARM OR LEASE NAME<br>Schwerdtfeger "21"                                                                                       |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)<br>At surface Unit Letter "M"; 1305' FSL & 1185' FWL<br>At top prod. interval reported below<br>At total depth                             |  | 9. WELL NO.<br>1                                                                                                                  |  |
| 10. FIELD AND POOL, OR W.L. CAT<br>Basin Fruitland Coal                                                                                                                                                                                |  | 11. SEC. T., R., M., OR BLOCK AND SURV OR AREA<br>Section 21, T-27-N, R-11                                                        |  |
| 12. COUNTY OR PARISH<br>San Juan                                                                                                                                                                                                       |  | 13. STATE<br>New Mexico                                                                                                           |  |
| 14. PERMIT NO.<br>30-045-27821                                                                                                                                                                                                         |  | DATE ISSUED<br>05-21-90                                                                                                           |  |
| 15. DATE SPUNDED<br>9-28-90                                                                                                                                                                                                            |  | 16. DATE T.D. REACHED<br>9-30-90                                                                                                  |  |
| 17. DATE COMPL. (Ready to prod.)<br>10-10-90                                                                                                                                                                                           |  | 18. ELEVATIONS (DF. RKB, RT, GE, ETC.)<br>6281' KB                                                                                |  |
| 19. ELEV. CASINGHEAD<br>6274' G                                                                                                                                                                                                        |  | 20. TOTAL DEPTH, MD & TVD<br>2035'                                                                                                |  |
| 21. PLUG, BACK T.D., MD & TVD<br>1977'                                                                                                                                                                                                 |  | 22. IF MULTIPLE COMPL., HOW MANY*                                                                                                 |  |
| 23. INTERVALS DRILLED BY<br>All                                                                                                                                                                                                        |  | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>Fruitland Coal 1857'-60'; 1863'-73'; 1888'-94.   |  |
| 25. WAS DIRECTIONAL SURVEY MADE<br>Yes                                                                                                                                                                                                 |  | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>DIL-SFL, CNL-LDT-GR                                                                       |  |
| 27. WAS WELL CORDED<br>No                                                                                                                                                                                                              |  | 28. CASING RECORD (Report all strings set in well)                                                                                |  |
| Casing Size                                                                                                                                                                                                                            |  | Weight, LB./FT.                                                                                                                   |  |
| 8 5/8"                                                                                                                                                                                                                                 |  | 24#                                                                                                                               |  |
| 5 1/2"                                                                                                                                                                                                                                 |  | 15.5#                                                                                                                             |  |
| Depth Set (MD)                                                                                                                                                                                                                         |  | Hole Size                                                                                                                         |  |
| 340'                                                                                                                                                                                                                                   |  | 12 1/4"                                                                                                                           |  |
| 2025'                                                                                                                                                                                                                                  |  | 7 7/8"                                                                                                                            |  |
| Cementing Record                                                                                                                                                                                                                       |  | Amount Pulled                                                                                                                     |  |
| 275 sx (CIRC 185 sx)                                                                                                                                                                                                                   |  | None                                                                                                                              |  |
| 300 sx (CIRC 255 sx)                                                                                                                                                                                                                   |  | None                                                                                                                              |  |
| 29. LINER RECORD                                                                                                                                                                                                                       |  | 30. TUBING RECORD                                                                                                                 |  |
| Size                                                                                                                                                                                                                                   |  | Top (MD)                                                                                                                          |  |
| Bottom (MD)                                                                                                                                                                                                                            |  | Sacks Cement*                                                                                                                     |  |
| Screen (MD)                                                                                                                                                                                                                            |  | Size                                                                                                                              |  |
| Depth Set (MD)                                                                                                                                                                                                                         |  | Packer Set (MD)                                                                                                                   |  |
| 2 3/8"                                                                                                                                                                                                                                 |  | 1885'                                                                                                                             |  |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                                     |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                    |  |
| FRUITLAND COAL                                                                                                                                                                                                                         |  | Depth Interval (MD)                                                                                                               |  |
| 1857'-60' (7 Holes) W/2 JSPF                                                                                                                                                                                                           |  | Amount and Kind of Material Used                                                                                                  |  |
| 1863'-73' (21 Holes) W/2 JSPF                                                                                                                                                                                                          |  | 1857'-1894' Acid W/1500 GAL 15% NEEF                                                                                              |  |
| 1888'-94' (13 Holes) W/2 JSPF                                                                                                                                                                                                          |  | 1857'-1894' FRAC W/55,000 GAL & 80,000# Sand                                                                                      |  |
|                                                                                                                                                                                                                                        |  | 1857'-1894' Acid W/2500 GAL 15% NEEF                                                                                              |  |
| 33. PRODUCTION                                                                                                                                                                                                                         |  | 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)                                                                        |  |
| Date First Production                                                                                                                                                                                                                  |  | Production Method (Flowing, gas lift, pumping—size and type of pump)                                                              |  |
| 10-10-90                                                                                                                                                                                                                               |  | Flowing                                                                                                                           |  |
| Well Status (Producing or shut-in)                                                                                                                                                                                                     |  | Shut-In                                                                                                                           |  |
| Date of Test                                                                                                                                                                                                                           |  | Hours Tested                                                                                                                      |  |
| 3-08-91                                                                                                                                                                                                                                |  | 24                                                                                                                                |  |
| Choke Size                                                                                                                                                                                                                             |  | Prod'n. for Test Period                                                                                                           |  |
| 64/64"                                                                                                                                                                                                                                 |  | Oil—BBL.                                                                                                                          |  |
| 0                                                                                                                                                                                                                                      |  | Gas—BBL.                                                                                                                          |  |
| 0                                                                                                                                                                                                                                      |  | Water—BBL.                                                                                                                        |  |
| 27                                                                                                                                                                                                                                     |  | Gas-Oil Ratio                                                                                                                     |  |
| 25                                                                                                                                                                                                                                     |  | 150                                                                                                                               |  |
| 0                                                                                                                                                                                                                                      |  | 108                                                                                                                               |  |
| 27                                                                                                                                                                                                                                     |  |                                                                                                                                   |  |
| 35. LIST OF ATTACHMENTS                                                                                                                                                                                                                |  | 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records |  |
| DIL-SFL, CNL-LDT-GR, & Inclination Report                                                                                                                                                                                              |  | SIGNED <u>J.R. Jenkins</u> TITLE <u>Production Superintendent</u> DATE <u>3-28-91</u>                                             |  |

\*(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):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|-----------|-----|--------|-----------------------------|
|           |     |        |                             |

38. GEOLOGIC MARKERS

| NAME            | TOP         |                  |
|-----------------|-------------|------------------|
|                 | MEAS. DEPTH | TRUE VERT. DEPTH |
| Ojo Alamo       | 772'        |                  |
| Kirtland        | 901'        |                  |
| Fruitland       | 1702'       |                  |
| Pictured Cliffs | 1944'       |                  |