

UNITED STATES

SUBMIT IN DUPLICATE

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

**CONFIDENTIAL**  
BUREAU OF LAND MANAGEMENT  
RECEIVED

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

|                                                                                                                                                         |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|--|--------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|----------------------------------------------|--|----------------------------------------------------|--|--------------------------------------|--|---------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|-----------------------------------------------------------------------------|--|--------------------------------------------------------|--|--------------------------------------------------------------------------|--|------------------------------|--|-------------------------|--|
| 1a. TYPE OF WELL:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/>                        |  | 1b. 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"/> |  | 2. NAME OF OPERATOR<br>Marathon Oil Company |  | 3. ADDRESS OF OPERATOR<br>P.O. Box 552, Midland, Texas 79702 |  | 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):<br>At surface 2310' FNL & 2160' FWL, Sec. 11, T-18-S, R-31-E.<br>At top prod. interval reported below<br>At total depth |  | 14. PERMIT NO.<br>30-015-25929           |  | DATE ISSUED<br>6-7-88                        |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>LC-229388-D |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |  | 7. UNIT AGREEMENT NAME                                                                                        |  | 8. FARM OR LEASE NAME<br>Johnson "B" Federal A/C 1 |  | 9. WELL NO.<br>7                                                            |  | 10. FIELD AND POOL, OR WILDCAT<br>Tamano (Bone Spring) |  | 11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA<br>Sec. 11, T-18-S, R-31-E |  | 12. COUNTY OR PARISH<br>Eddy |  | 13. STATE<br>New Mexico |  |
| 15. DATE SPUDDED<br>6-16-88                                                                                                                             |  | 16. DATE T.D. REACHED<br>7-6-88                                                                                                                                                                                      |  | 17. DATE COMPL. (Ready to prod.)<br>7-18-88 |  | 18. ELEVATIONS (OF. RKB, RT. GR. ETC.)*<br>3736.6 GL         |  | 19. ELEV. CASINGHEAD<br>3736.6 GL                                                                                                                                                                                    |  | 20. TOTAL DEPTH, MD & TVD<br>9,000' (MD) |  | 21. PLUG. BACK T.D., MD & TVD<br>9,000' (MD) |  | 22. IF MULTIPLE COMPL., HOW MANY?<br>N/A           |  | 23. INTERVALS DRILLED BY<br>All      |  | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>Bone Spring 8070'-8160' (MD) |  | 25. WAS DIRECTIONAL SURVEY MADE<br>No              |  | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>DLL-MSFL-NGT, GR-CNL, DIL, LSS, CBL |  | 27. WAS WELL CORRED<br>No                              |  |                                                                          |  |                              |  |                         |  |
| 28. CASING RECORD (Report all strings set in well)                                                                                                      |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| CASING SIZE                                                                                                                                             |  | WEIGHT, LB./FT.                                                                                                                                                                                                      |  | DEPTH SET (MD)                              |  | HOLE SIZE                                                    |  | CEMENTING RECORD                                                                                                                                                                                                     |  | AMOUNT PULLED                            |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 13-3/8"                                                                                                                                                 |  | 48#                                                                                                                                                                                                                  |  | 796'                                        |  | 17-1/2"                                                      |  | 526 sx Class "C" (circ'd)                                                                                                                                                                                            |  | 575                                      |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 8-5/8"                                                                                                                                                  |  | 32# & 24#                                                                                                                                                                                                            |  | 2,702'                                      |  | 11"                                                          |  | 950 sx Class "C" (circ'd)                                                                                                                                                                                            |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 5-1/2"                                                                                                                                                  |  | 17# & 15.5#                                                                                                                                                                                                          |  | 9,000'                                      |  | 7-7/8"                                                       |  | 1490 sx Class "H"                                                                                                                                                                                                    |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 29. LINER RECORD                                                                                                                                        |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| SIZE                                                                                                                                                    |  | TOP (MD)                                                                                                                                                                                                             |  | BOTTOM (MD)                                 |  | SACKS CEMENT*                                                |  | SCREEN (MD)                                                                                                                                                                                                          |  | 30. TUBING RECORD                        |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
|                                                                                                                                                         |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  | SIZE                                     |  | DEPTH SET (MD)                               |  | PACKER SET (MD)                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
|                                                                                                                                                         |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  | 2-7/8"                                   |  | 7974'                                        |  | 7974'                                              |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                      |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 8070'-8160' w/2 JSPF (182 Holes, .41" Dia)                                                                                                              |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                          |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| DEPTH INTERVAL (MD) 7958'-8160' AMOUNT AND KIND OF MATERIAL USED 200 gals 15% HCl                                                                       |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 33. PRODUCTION                                                                                                                                          |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| DATE FIRST PRODUCTION 7-16-88 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| DATE OF TEST                                                                                                                                            |  | HOURS TESTED                                                                                                                                                                                                         |  | CHOKES SIZE                                 |  | PROD'N. FOR TEST PERIOD                                      |  | OIL—BBL.                                                                                                                                                                                                             |  | GAS—MCF.                                 |  | WATER—BBL.                                   |  | GAS-OIL RATIO                                      |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 7-18-88                                                                                                                                                 |  | 22                                                                                                                                                                                                                   |  | 24/64"                                      |  | 444                                                          |  | 284                                                                                                                                                                                                                  |  | 0                                        |  | 639.6                                        |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| FLOW. TUBING PRESS.                                                                                                                                     |  | CASING PRESSURE                                                                                                                                                                                                      |  | CALCULATED 24-HOUR RATE                     |  | OIL—BBL.                                                     |  | GAS—MCF.                                                                                                                                                                                                             |  | WATER—BBL.                               |  | OIL GRAVITY-API (CORR.)                      |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 240 psig                                                                                                                                                |  | 0 psig                                                                                                                                                                                                               |  | 484.36                                      |  | 309.82                                                       |  | 0                                                                                                                                                                                                                    |  | 39.8                                     |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)                                                                                              |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| Vented                                                                                                                                                  |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 35. LIST OF ATTACHMENTS                                                                                                                                 |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| Inclination Survey, Log list from #26 Above                                                                                                             |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                       |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |
| SIGNED -J. R. Jenkins TITLE Hobbs Production Superintendent DATE 7-19-88                                                                                |  |                                                                                                                                                                                                                      |  |                                             |  |                                                              |  |                                                                                                                                                                                                                      |  |                                          |  |                                              |  |                                                    |  |                                      |  |                                                                                                               |  |                                                    |  |                                                                             |  |                                                        |  |                                                                          |  |                              |  |                         |  |

\*(See Instructions and Spaces for Additional Data on Reverse Side) CARLSBAD, NEW MEXICO

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.

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 |
| Delaware<br>Bone Spring | 4541<br>5637 | 5637<br>TD | Water<br>Oil, Gas, & Water  | Rustler<br>Base of Salt<br>Yates<br>Seven Rivers<br>Queen<br>Grayburg<br>San Andres<br>Delaware<br>Bone Spring<br>1st Carbonate<br>1st Sand<br>2nd Carbonate<br>2nd Sand<br>3rd Carbonate | 790<br>2056<br>2214<br>2666<br>3451<br>3794<br>4306<br>4541<br><br>5637<br>7554<br>7868<br>8162<br>8840 |                  |

WELL Johnson "B" Fed #7

LOCATION Sec. 11-18S-31E Eddy County, NM  
(Give Unit, Section, Township, And Range)

OPERATOR Marathon

DRILLING CONTRACTOR Exeter Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

| <u>Degrees @ Depth</u> | <u>Degrees @ Depth</u> | <u>Degrees @ Depth</u> |
|------------------------|------------------------|------------------------|
| <u>1/2° 261'</u>       | <u>1 3/4° 6,120'</u>   | <u>2 1/4° 7,890'</u>   |
| <u>3/4° 408'</u>       | <u>3° 6,582'</u>       | <u>2° 8,017'</u>       |
| <u>3/4° 498'</u>       | <u>3 1/4° 6,710'</u>   | <u>2 1/2° 8,143'</u>   |
| <u>3/4° 560'</u>       | <u>2 1/2° 6,833'</u>   | <u>1 3/4° 8,298'</u>   |
| <u>3/4° 616'</u>       | <u>1 1/2° 6,957'</u>   | <u>2 1/2° 8,485'</u>   |
| <u>1/4° 1,196'</u>     | <u>2° 7,083'</u>       | <u>2° 8,618'</u>       |
| <u>1 1/4° 1,584'</u>   | <u>2° 7,178'</u>       | <u>1° 9,000'</u>       |
| <u>3/4° 1,739'</u>     | <u>2 1/2° 7,330'</u>   |                        |
| <u>1 1/4° 2,007'</u>   | <u>2 3/4° 7,390'</u>   |                        |
| <u>3/4° 2,704'</u>     | <u>2 3/4° 7,453'</u>   |                        |
| <u>1° 3,191'</u>       | <u>2 3/4° 7,515'</u>   |                        |
| <u>1° 3,673'</u>       | <u>2 1/2° 7,578'</u>   |                        |
| <u>1 1/4° 4,228'</u>   | <u>2 3/4° 7,640'</u>   |                        |
| <u>1° 4,754'</u>       | <u>3° 7,702'</u>       |                        |
| <u>1 1/2° 5,220'</u>   | <u>2 3/4° 7,766'</u>   |                        |
| <u>1 3/4° 5,810'</u>   | <u>2 3/4° 7,796'</u>   |                        |

Drilling Contractor Exeter Drilling Company

By Bruce D. Houtchens  
Bruce D. Houtchens, Drilling Manager

Subscribed and sworn to before me this 18th day of July, 19 88

Sherri K. Brannon  
Notary Public Sherri K. Brannon

My Commission Expires: 3-10-90 Midland County Texas