

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                                                    |                                                                                                                                              |                                                                                                   |                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 1a. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input checked="" type="checkbox"/> unsuccessful                                                                       |                                                                                                                                              | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-0426782                                                 |                                                      |
| 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 <input type="checkbox"/> |                                                                                                                                              | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>---                                                       |                                                      |
| 2. NAME OF OPERATOR<br>Exxon Corporation ✓                                                                                                                                                                                                         |                                                                                                                                              | 7. UNIT AGREEMENT NAME<br>---                                                                     |                                                      |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 1600, Midland, TX 79702                                                                                                                                                                                        |                                                                                                                                              | 8. FARM OR LEASE NAME<br>Mary Federal                                                             |                                                      |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)<br>At surface 1906' FNL and 807' FEL of Sec.<br>At top prod. interval reported below<br>At total depth                                                 |                                                                                                                                              | 9. WELL NO.<br>3Y                                                                                 |                                                      |
| 14. PERMIT NO.<br>30-015-25046                                                                                                                                                                                                                     |                                                                                                                                              | 13. STATE<br>New Mexico                                                                           |                                                      |
| 16. DATE T.D. REACHED<br>9-17-84                                                                                                                                                                                                                   |                                                                                                                                              | 18. ELEVATIONS (DF, REB, RT, GR, ETC.)*<br>3738' GR                                               |                                                      |
| 17. DATE COMPL. (Ready to prod.)<br>P & A 1-7-85                                                                                                                                                                                                   |                                                                                                                                              | 19. ELEV. CASINGHEAD                                                                              |                                                      |
| 20. TOTAL DEPTH, MD & TVD<br>5195'                                                                                                                                                                                                                 |                                                                                                                                              | 23. INTERVALS DRILLED BY<br>10 - 5195                                                             |                                                      |
| 21. PLUG, BACK T.D., MD & TVD<br>---                                                                                                                                                                                                               |                                                                                                                                              | 25. WAS DIRECTIONAL SURVEY MADE<br>No                                                             |                                                      |
| 22. IF MULTIPLE COMPL., HOW MANY*                                                                                                                                                                                                                  |                                                                                                                                              | 27. WAS WELL CORED<br>No                                                                          |                                                      |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>---                                                                                                                                                               |                                                                                                                                              |                                                                                                   |                                                      |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>LDT-CNL; DLL-MSFL; BHC; SHDT                                                                                                                                                                               |                                                                                                                                              |                                                                                                   |                                                      |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                 |                                                                                                                                              |                                                                                                   |                                                      |
| CASING SIZE                                                                                                                                                                                                                                        | WEIGHT, LB./FT.                                                                                                                              | DEPTH SET (MD)                                                                                    | HOLE SIZE                                            |
| 8-5/8"                                                                                                                                                                                                                                             | 24#                                                                                                                                          | 1329                                                                                              | 12-1/4"                                              |
| 5-1/2"                                                                                                                                                                                                                                             | 15.5#                                                                                                                                        | 5167                                                                                              | 7-7/8"                                               |
| 29. LINER RECORD                                                                                                                                                                                                                                   |                                                                                                                                              |                                                                                                   |                                                      |
| SIZE                                                                                                                                                                                                                                               | TOP (MD)                                                                                                                                     | BOTTOM (MD)                                                                                       | SACKS CEMENT*                                        |
| 30. TUBING RECORD                                                                                                                                                                                                                                  |                                                                                                                                              |                                                                                                   |                                                      |
| SIZE                                                                                                                                                                                                                                               | DEPTH SET (MD)                                                                                                                               | PACKER SET (MD)                                                                                   |                                                      |
| 31. PERFORATION RECORD (Interval, size and number)<br>4783 - 4792' w/ 36 shots, 4 spf, 4"                                                                                                                                                          |                                                                                                                                              |                                                                                                   |                                                      |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                                     |                                                                                                                                              |                                                                                                   |                                                      |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                                                |                                                                                                                                              | AMOUNT AND KIND OF MATERIAL USED                                                                  |                                                      |
| 4783-4792                                                                                                                                                                                                                                          |                                                                                                                                              | 1000 gals. 12% HCl; 32000 gals. foam, 18,000# 20-40, 16,000# 10-20 sd, 651,600 scf N <sub>2</sub> |                                                      |
| *See Back                                                                                                                                                                                                                                          |                                                                                                                                              |                                                                                                   |                                                      |
| 33. PRODUCTION                                                                                                                                                                                                                                     |                                                                                                                                              |                                                                                                   |                                                      |
| DATE FIRST PRODUCTION<br>9-27-84                                                                                                                                                                                                                   | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>This well produced approximately 250 bbls. of oil prior to plugging. |                                                                                                   | WELL STATUS (Producing or shut-in)<br>shut-in        |
| DATE OF TEST                                                                                                                                                                                                                                       | HOURS TESTED                                                                                                                                 | CHOKE SIZE                                                                                        | PROD'N. FOR TEST PERIOD                              |
| FLOW. TUBING PRESS.                                                                                                                                                                                                                                | CASING PRESSURE                                                                                                                              | CALCULATED 24-HOUR RATE                                                                           | OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.) |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>JAN 23 1985                                                                                                                                                                          |                                                                                                                                              |                                                                                                   |                                                      |
| 35. LIST OF ATTACHMENTS                                                                                                                                                                                                                            |                                                                                                                                              |                                                                                                   |                                                      |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                                                  |                                                                                                                                              |                                                                                                   |                                                      |
| SIGNED <i>Melvin Knippling</i>                                                                                                                                                                                                                     |                                                                                                                                              | TITLE Unit Head                                                                                   |                                                      |
| DATE 1-17-85                                                                                                                                                                                                                                       |                                                                                                                                              |                                                                                                   |                                                      |

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

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

It is noted prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

<sup>13</sup>CIBP @ 4750, top w/ 35' cmt.

2764 - 2864 w/ 15 sx CLC

1279 - 1379 w/ 15 sx ClC

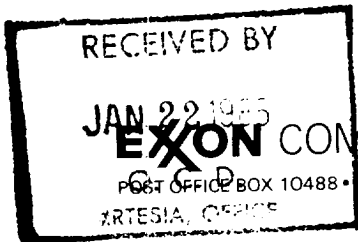
0 - 30 w/ 10 sx ClC

~~0 = 90 between 3-5/8" & 5-1/2" w/ 10 sy C~~

## 17. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; COBED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| 38. GEOLOGIC MARKERS                                                                                                                                                                                               |     |        |                             |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|-----------------------------|--|
| 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. |  |
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MIDCONTINENT PRODUCTION DIVISION  
SOUTHERN DRILLING ORGANIZATION

E. W. THOMAS, Manager

W. F. BURCHARD, Operations Superintendent  
K. S. ROSE, Operations Superintendent  
M. C. WELBORN, Operations Superintendent  
T. D. HOWELL, Engineering Manager

Sept. 26, 1984

LISTED BELOW ARE THE DEVIATION TESTS TAKEN ON MARY FEDERAL NO. 3-Y :

| <u>DEPTH</u> | <u>DEGREES OF DEVIATION</u> |
|--------------|-----------------------------|
| 400          | 1 1/4                       |
| 806          | 1                           |
| 1570         | 1 3/4                       |
| 1672         | 1 1/2                       |
| 1730         | 1 3/4                       |
| 1787         | 2                           |
| 1870         | 2                           |
| 2040         | 1 3/4                       |
| 2220         | 1 1/2                       |
| 2716         | 1                           |
| 3213         | 1                           |
| 3785         | 1                           |
| 4226         | 1/2                         |
| 4722         | 3/4                         |
| 5195         | 1/2                         |

BY P. K. Mendenhall

SWORN TO and subscribed before me this 26<sup>th</sup> day of September, 1984

Linda S. Jones  
Notary Public  
Midland, Texas

My commission expires: November 1985