

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ARTESIA, NM 88210  
SUBMIT IN DUPLICATE  
(S. other instructions on reverse side)

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

951

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                          |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------|------------------------------------|-------------------------------------------------------------------|-------------|
| 1a. TYPE OF WELL:                                                                                                                                                                                        |  | OIL WELL <input checked="" type="checkbox"/>                                                                | GAS WELL <input type="checkbox"/>  | DRY <input type="checkbox"/>                | Other _____                        |                                                                   |             |
| 1b. 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>Ray Westall                                                                                                                                                                       |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 4 Loco Hills, New Mexico 88255                                                                                                                                        |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State well location laws)<br>At surface 1980' FNL & 610' FWL<br>At top prod. interval reported below same<br>At total depth same |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 14. PERMIT NO. ARTESIA, NM 88210<br>O. C. D.                                                                                                                                                             |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-27278                                                                                                                                                          |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                                                        |                                    |                                             |                                    |                                                                   |             |
| 7. UNIT AGREEMENT NAME                                                                                                                                                                                   |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 8. FARM OR LEASE NAME<br>Featherstone Federal                                                                                                                                                            |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 9. WELL NO.<br>2                                                                                                                                                                                         |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 10. FIELD AND POOL, OR WILDCAT<br>Shugart-Y-5R-B-G                                                                                                                                                       |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA<br>26-18S-30E                                                                                                                                           |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 12. COUNTY OR PARISH<br>Eddy                                                                                                                                                                             |  |                                                                                                             |                                    | 13. STATE<br>NM                             |                                    |                                                                   |             |
| 15. DATE SPUDDED<br>6-6-86                                                                                                                                                                               |  | 16. DATE T.D. REACHED<br>6-12-86                                                                            |                                    | 17. DATE COMPL. (Ready to prod.)<br>7-16-86 |                                    | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>3406. GL               |             |
| 19. ELEV. CASINGHEAD<br>3407'                                                                                                                                                                            |  | 20. TOTAL DEPTH, MD & TVD<br>3500'                                                                          |                                    | 21. PLUG, BACK T.D., MD & TVD<br>3500'      |                                    | 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>3044-3400 Penrose Grayburg |                                    | 25. WAS DIRECTIONAL SURVEY MADE<br>Yes      |                                    | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>ABCL/GR, DLML/GR, CDCN/GR |             |
| 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                                                         |             |
| 13 3/8"                                                                                                                                                                                                  |  | 61#                                                                                                         |                                    | 572'                                        |                                    | 17 1/2"                                                           |             |
| 8 5/8"                                                                                                                                                                                                   |  | 24#                                                                                                         |                                    | 1710'                                       |                                    | 12 1/4"                                                           |             |
| 5 1/2"                                                                                                                                                                                                   |  | 15.5#                                                                                                       |                                    | 3500'                                       |                                    | 7 7/8"                                                            |             |
| CEMENTING RECORD                                                                                                                                                                                         |  | AMOUNT PULLED                                                                                               |                                    |                                             |                                    |                                                                   |             |
| 500-circulated                                                                                                                                                                                           |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 675-                                                                                                                                                                                                     |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 450                                                                                                                                                                                                      |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 29. LINER RECORD                                                                                                                                                                                         |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| SIZE                                                                                                                                                                                                     |  | TOP (MD)                                                                                                    |                                    | BOTTOM (MD)                                 |                                    | SACKS CEMENT*                                                     |             |
| 2 7/8"                                                                                                                                                                                                   |  | 3300'                                                                                                       |                                    |                                             |                                    |                                                                   |             |
| 30. TUBING RECORD                                                                                                                                                                                        |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| SIZE                                                                                                                                                                                                     |  | DEPTH SET (MD)                                                                                              |                                    | PACKER SET (MD)                             |                                    |                                                                   |             |
| 2 7/8"                                                                                                                                                                                                   |  | 3300'                                                                                                       |                                    |                                             |                                    |                                                                   |             |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                       |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 3412-3418 - squeezed w/100 sx's                                                                                                                                                                          |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 3390-92,94,96,98,3400 - 1 hole per interv.                                                                                                                                                               |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 3044-3109 15 holes                                                                                                                                                                                       |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                           |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| DEPTH INTERVAL (MD)                                                                                                                                                                                      |  |                                                                                                             |                                    | AMOUNT AND KIND OF MATERIAL USED            |                                    |                                                                   |             |
| 3390-3400                                                                                                                                                                                                |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 3044-3109                                                                                                                                                                                                |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 33. PRODUCTION                                                                                                                                                                                           |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| DATE FIRST PRODUCTION<br>7-16-86                                                                                                                                                                         |  | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Pumping                             |                                    |                                             |                                    | WELL STATUS (Producing or shut-in)<br>Producing                   |             |
| DATE OF TEST<br>7-19-86                                                                                                                                                                                  |  | HOURS TESTED<br>24                                                                                          |                                    | CHOKE SIZE                                  |                                    | PROD'N. FOR TEST PERIOD                                           |             |
| FLOW. TUBING PRESS.                                                                                                                                                                                      |  | CASING PRESSURE                                                                                             |                                    | CALCULATED 24-HOUR RATE                     |                                    | OIL—BBL.<br>50                                                    |             |
|                                                                                                                                                                                                          |  |                                                                                                             |                                    |                                             |                                    | GAS—MCF.<br>40                                                    |             |
|                                                                                                                                                                                                          |  |                                                                                                             |                                    |                                             |                                    | WATER—BBL.<br>0                                                   |             |
|                                                                                                                                                                                                          |  |                                                                                                             |                                    |                                             |                                    | OIL GRAVITY-API (CORR.)<br>80-1                                   |             |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>sold                                                                                                                                       |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 35. LIST OF ATTACHMENTS<br>Deviation Survey & Logs                                                                                                                                                       |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                        |  |                                                                                                             |                                    |                                             |                                    |                                                                   |             |
| SIGNED<br>Ray Westall                                                                                                                                                                                    |  | TITLE<br>Operator                                                                                           |                                    | DATE<br>9-11-86                             |                                    | TEST WITNESSED BY<br>Ray Westall                                  |             |

\*(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):

38. GEOLOGIC MARKERS

| FORMATION        | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP         |                  |
|------------------|------|--------|-----------------------------|------|-------------|------------------|
|                  |      |        |                             |      | MEAS. DEPTH | TRUE VERT. DEPTH |
| Yates            | 1768 |        |                             |      |             |                  |
| 7 RVS            | 2156 |        |                             |      |             |                  |
| Queen            | 2820 | 2860   |                             |      |             |                  |
| Middle Queen     | 2928 | 2943   |                             |      |             |                  |
| Penrose          | 3038 | 3064   |                             |      |             |                  |
| Grayburg         | 3314 | 3326   |                             |      |             |                  |
| GB Upper Premier | 3388 | 3400   |                             |      |             |                  |
| GB-Lower Premier | 3414 | 3426   |                             |      |             |                  |
| San Andres       | 3446 |        |                             |      |             |                  |