

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

|                                                                                                                                                               |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|---------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|--------------------------------------|--|------------------------------------------------------|--|----------------------------------------------|--|-------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|----------------------------|--|
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/> |  | 2. NAME OF OPERATOR<br>Mallon Oil Company |  | 3. ADDRESS OF OPERATOR<br>1099 18th Street, Suite 2750, Denver, CO 80202        |  | 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)<br>At surface 795' FSL & 2145' FEL<br>At top prod. interval reported below same<br>At total depth same |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-04077 |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |  | 7. UNIT AGREEMENT NAME                               |  | 8. FARM OR LEASE NAME<br>Davis Federal Com 3 |  | 9. WELL NO.<br>15                                                 |  | 10. FIELD AND POOL, OR WILDCAT<br>Mesa Verde                                                  |  | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br>Sec. 3, T25N, R2W |  | 12. COUNTY OR PARISH<br>Rio Arriba                                                  |  | 13. STATE<br>NM            |  |
| 15. DATE SPUDDED<br>07-30-86                                                                                                                                  |  | 16. DATE T.D. REACHED<br>08-26-86         |  | 17. DATE COMPL. (Ready to prod.)<br>12-10-87                                    |  | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>7458' GL                                                                                                                                                |  | 19. ELEV. CASINGHEAD<br>7469' KB                |  | 20. TOTAL DEPTH, MD & TVD<br>8277'   |  | 21. PLUG BACK T.D., MD & TVD<br>see back of form     |  | 22. IF MULTIPLE COMPL., HOW MANY*            |  | 23. INTERVALS DRILLED BY<br>ROTARY TOOLS<br>CABLE TOOLS<br>O-T.D. |  | 24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>5431 - 5800' |  | 25. WAS DIRECTIONAL SURVEY MADE<br>no                                  |  | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>Perf. correlation log and after frac survey |  | 27. WAS WELL CORRED<br>yes |  |
| 28. CASING RECORD (Report all strings set in well)                                                                                                            |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| CASINO SIZE                                                                                                                                                   |  | WEIGHT, LB./FT.                           |  | DEPTH SET (MD)                                                                  |  | HOLE SIZE                                                                                                                                                                                          |  | CEMENTING RECORD                                |  |                                      |  |                                                      |  |                                              |  | AMOUNT PULLED                                                     |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 9 5/8"                                                                                                                                                        |  | 24#/ft                                    |  | 271'                                                                            |  | 12 1/4"                                                                                                                                                                                            |  | 236 ft <sup>3</sup> Class B w/ 2% CaC           |  |                                      |  |                                                      |  |                                              |  | 2                                                                 |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 5 1/2"                                                                                                                                                        |  | 17 #/ft                                   |  | 8277'                                                                           |  | 8 3/4"                                                                                                                                                                                             |  | 630 ft <sup>3</sup> 50-50 pozmix w/ 2%          |  |                                      |  |                                                      |  |                                              |  | gel, 10% salt                                                     |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
|                                                                                                                                                               |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  | 2nd: 206 ft <sup>3</sup> Class B w/ 2%          |  |                                      |  |                                                      |  |                                              |  | econolite tailed                                                  |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
|                                                                                                                                                               |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  | by 284 ft <sup>3</sup> 50-50 pozmix w/          |  |                                      |  |                                                      |  |                                              |  | 2% gel, 10% salt                                                  |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 29. LINER RECORD                                                                                                                                              |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| SIZE                                                                                                                                                          |  | TOP (MD)                                  |  | BOTTOM (MD)                                                                     |  | BACKS CEMENT*                                                                                                                                                                                      |  | SCREEN (MD)                                     |  | SIZE                                 |  | DEPTH SET (MD)                                       |  | PACKER SET (MD)                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
|                                                                                                                                                               |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  | 2 7/8"                               |  | 5659'                                                |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 30. TUBING RECORD (cont. on back)                                                                                                                             |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                            |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.       |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 5431 5463 5549 5561 5649 Total: 29 perforations (0.43" dia-meter)                                                                                             |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  | DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 5433 5468 5551 5563 5651                                                                                                                                      |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  | 5431-5800 500 gals of 7 1/2% HCL acid                |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 5442 5506 5553 5567 5653                                                                                                                                      |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  | Fraced w/ 100,000 gals slick                         |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 5454 5509 5555 5569 5798                                                                                                                                      |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  | H <sub>2</sub> O, 80,000 # of sand at 61 BPM         |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 5459 5545 5557 5645 5800                                                                                                                                      |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 5461 5547 5559 5647                                                                                                                                           |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 33. PRODUCTION                                                                                                                                                |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| DATE FIRST PRODUCTION<br>12/24/88                                                                                                                             |  |                                           |  | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>flowing |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  | WELL STATUS (Producing or shut-in)<br>shut-in                     |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| DATE OF TEST<br>1/17/89                                                                                                                                       |  | HOURS TESTED<br>24                        |  | CHOKE SIZE<br>-                                                                 |  | PROD'N. FOR TEST PERIOD<br>→                                                                                                                                                                       |  | OIL—BBL.<br>44.46                               |  | GAS—MCF.<br>1628                     |  | WATER—BBL.<br>36617                                  |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| FLOW. TUBING PRESS.<br>450                                                                                                                                    |  | CASING PRESSURE<br>660                    |  | CALCULATED 24-HOUR RATE<br>→                                                    |  | OIL—BBL.                                                                                                                                                                                           |  | GAS—MCF.                                        |  | WATER—BBL.                           |  | OIL GRAVITY-API (CORR.)<br>39.9                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.)<br>vented                                                                                          |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 35. LIST OF ATTACHMENTS<br>FARMINGTON RESOURCE AREA                                                                                                           |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                             |  |                                           |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  |                                              |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |
| SIGNED<br>[Signature]                                                                                                                                         |  | TITLE<br>Engineer                         |  |                                                                                 |  |                                                                                                                                                                                                    |  |                                                 |  |                                      |  |                                                      |  | DATE<br>02-10-89                             |  |                                                                   |  |                                                                                               |  |                                                                        |  |                                                                                     |  |                            |  |

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

| FORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------------------------|
| Ojo Alamo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3168 | 3518   | Water                       |
| Pictured Cliffs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3632 | 3680   | Water                       |
| Lewis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3721 | 5416   | Water                       |
| Cliffhouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5416 | 5474   | Oil, Gas, Water             |
| Menefee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5474 | 5791   | Oil, Gas, Water             |
| Point Lookout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5791 | 5979   | Oil, Gas, Water             |
| Mancos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5979 | 6797   | Water                       |
| Gallup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6797 | 7825   | Oil, Gas                    |
| Greenhorn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7825 | 8012   | Water                       |
| Dakota                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8012 | 8190   | Oil, Gas, Water             |
| <p>21. cont. P.B.T.D. - 6658' - As requested by Steve Mason of the Farmington BLM, a CIBP was set at 6750' w/ 92' of cement in order to isolate the Gavilan-Mancos, and a CIBP was set at 7900' w/ 92' of cement in order to isolate the Upper Dakota perfs.</p> <p>28. cont.</p> <p>3rd: 515 ft<sup>3</sup> Class B w/ 2% econolite tailed by 158 ft<sup>3</sup> 50-50 pozmix w/ 2% gel, 10% salt.</p> <p>4600'-5350' and 5700'-5840' - squeezed two intervals w/ 450 sx cement in four squeeze jobs.</p> <p>**Please note that all of the perforations from the previously completed zones have been abandoned.</p> |      |        |                             |

38. GEOLOGIC MARKERS

| NAME            | TOP         |                  |
|-----------------|-------------|------------------|
|                 | MEAS. DEPTH | TRUE VERT. DEPTH |
| Ojo Alamo       | 3168        | Same             |
| Pictured Cliffs | 3632        | "                |
| Lewis           | 3721        | "                |
| Cliffhouse      | 5416        | "                |
| Menefee         | 5474        | "                |
| Point Lookout   | 5791        | "                |
| Mancos          | 5979        | "                |
| Gallup          | 6797        | "                |
| Greenhorn       | 7825        | "                |
| Dakota          | 8012        | "                |