

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

| 1a. TYPE OF WELL:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>                                                                                                                                                                                                                                                              |                                                                      | 5. LEASE DESIGNATION AND SERIAL NO.<br>Nm 69072                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------|-----------------------|----------------------------------------------------------------------|------------------------------------|--------------------------|------------------|---------------------------|-------------------------|---------------------|---------------|-------------------------|--------|----|---------------|------|-------|--------|-----------------------|---------------|
| 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                                      |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 2. NAME OF OPERATOR<br>Amoco Production Co.                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      | 7. UNIT AGREEMENT NAME                                                    |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 3. ADDRESS OF OPERATOR<br>2325 E. 30th St, Farmington NM 87401                                                                                                                                                                                                                                                                                                                                                               |                                                                      | 8. FARM OR LEASE NAME<br>Robert English                                   |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)<br>At surface 530' FWL x 2310' FNL<br>At top prod. interval reported below Same<br>At total depth Same                                                                                                                                                                                                                            |                                                                      | 9. WELL NO.<br>1                                                          |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 14. PERMIT NO.<br>OIL CON. DIV. DIST. 3                                                                                                                                                                                                                                                                                                                                                                                      |                                                                      | 10. FIELD AND POOL, OR WILDCAT<br>Gavilan-Mancos                          |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 15. DATE SPUDDED<br>* 1-17-88                                                                                                                                                                                                                                                                                                                                                                                                |                                                                      | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br>SWNW Sec 1 T26N R24W |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 16. DATE T.D. REACHED<br>* 2-7-88                                                                                                                                                                                                                                                                                                                                                                                            |                                                                      | 12. COUNTY OR PARISH<br>Rio Arriba                                        |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 17. DATE COMPL. (Ready to prod.)<br>* 3-5-88                                                                                                                                                                                                                                                                                                                                                                                 |                                                                      | 13. STATE<br>Nm                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)<br>7355' Gr                                                                                                                                                                                                                                                                                                                                                                           |                                                                      | 19. ELEV. CASINGHEAD                                                      |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 20. TOTAL DEPTH, MD & TVD<br>* 8387'                                                                                                                                                                                                                                                                                                                                                                                         |                                                                      | 21. PLUG, BACK T.D., MD & TVD<br>7320'                                    |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 22. IF MULTIPLE COMPL., HOW MANY*                                                                                                                                                                                                                                                                                                                                                                                            |                                                                      | 23. INTERVALS DRILLED BY<br>O-Td                                          |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>7168'-7270' *work done by Hixon Development                                                                                                                                                                                                                                                                                                 |                                                                      | 25. WAS DIRECTIONAL SURVEY MADE                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>* Ind log with gamma ray, Spec. den-neu log                                                                                                                                                                                                                                                                                                                                          |                                                                      | 27. WAS WELL CORED<br>No                                                  |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| <table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>9-5/8"</td><td>36 #</td><td>595'</td><td>12-1/4"</td><td>350 sx</td><td></td></tr><tr><td>8-3/4" (5/8")</td><td>17 #</td><td>8386'</td><td>8-3/4"</td><td>545 sx, 490 sx, 50 sx</td><td>cmt top 5700'</td></tr></tbody></table> |                                                                      |                                                                           |                         | CASING SIZE           | WEIGHT, LB./FT.                                                      | DEPTH SET (MD)                     | HOLE SIZE                | CEMENTING RECORD | AMOUNT PULLED             | 9-5/8"                  | 36 #                | 595'          | 12-1/4"                 | 350 sx |    | 8-3/4" (5/8") | 17 # | 8386' | 8-3/4" | 545 sx, 490 sx, 50 sx | cmt top 5700' |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                                                                  | WEIGHT, LB./FT.                                                      | DEPTH SET (MD)                                                            | HOLE SIZE               | CEMENTING RECORD      | AMOUNT PULLED                                                        |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 9-5/8"                                                                                                                                                                                                                                                                                                                                                                                                                       | 36 #                                                                 | 595'                                                                      | 12-1/4"                 | 350 sx                |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 8-3/4" (5/8")                                                                                                                                                                                                                                                                                                                                                                                                                | 17 #                                                                 | 8386'                                                                     | 8-3/4"                  | 545 sx, 490 sx, 50 sx | cmt top 5700'                                                        |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 29. LINER RECORD                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| <table border="1"><thead><tr><th>SIZE</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>SACKS CEMENT*</th><th>SCREEN (MD)</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>                                                                                                                                                                                                          |                                                                      |                                                                           |                         | SIZE                  | TOP (MD)                                                             | BOTTOM (MD)                        | SACKS CEMENT*            | SCREEN (MD)      |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                                                         | TOP (MD)                                                             | BOTTOM (MD)                                                               | SACKS CEMENT*           | SCREEN (MD)           |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 30. TUBING RECORD                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| <table border="1"><thead><tr><th>SIZE</th><th>DEPTH SET (MD)</th><th>PACKER SET (MD)</th></tr></thead><tbody><tr><td>2-7/8"</td><td>7287'</td><td></td></tr><tr><td>*CIBP</td><td>8000'</td><td>*CIBP 7320'</td></tr></tbody></table>                                                                                                                                                                                        |                                                                      |                                                                           |                         | SIZE                  | DEPTH SET (MD)                                                       | PACKER SET (MD)                    | 2-7/8"                   | 7287'            |                           | *CIBP                   | 8000'               | *CIBP 7320'   |                         |        |    |               |      |       |        |                       |               |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                                                         | DEPTH SET (MD)                                                       | PACKER SET (MD)                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 2-7/8"                                                                                                                                                                                                                                                                                                                                                                                                                       | 7287'                                                                |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| *CIBP                                                                                                                                                                                                                                                                                                                                                                                                                        | 8000'                                                                | *CIBP 7320'                                                               |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| * 8248'-8262', 2jspf, 29 holes<br>* 7620'-7680', 2jspf, 61 holes<br>* 7345'-7490', 2jspf, 146 holes<br>7168'-7270', 2jspf, 204 holes, .5" dia                                                                                                                                                                                                                                                                                |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                                                                                                                                                                                                               |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| <table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>* 8248'-8262'</td><td>1000 gal acid CIBP 8000'</td></tr><tr><td>* 7620'-7680'</td><td>225000 gal 30 # xlink gel</td></tr><tr><td>* 7345'-7490'</td><td>325000 # 20-40 sand</td></tr><tr><td>* 7620'-7680'</td><td>3000 gal 15% HCL (over)</td></tr></tbody></table>                            |                                                                      |                                                                           |                         | DEPTH INTERVAL (MD)   | AMOUNT AND KIND OF MATERIAL USED                                     | * 8248'-8262'                      | 1000 gal acid CIBP 8000' | * 7620'-7680'    | 225000 gal 30 # xlink gel | * 7345'-7490'           | 325000 # 20-40 sand | * 7620'-7680' | 3000 gal 15% HCL (over) |        |    |               |      |       |        |                       |               |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                                                                                                                                                                                                                          | AMOUNT AND KIND OF MATERIAL USED                                     |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| * 8248'-8262'                                                                                                                                                                                                                                                                                                                                                                                                                | 1000 gal acid CIBP 8000'                                             |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| * 7620'-7680'                                                                                                                                                                                                                                                                                                                                                                                                                | 225000 gal 30 # xlink gel                                            |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| * 7345'-7490'                                                                                                                                                                                                                                                                                                                                                                                                                | 325000 # 20-40 sand                                                  |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| * 7620'-7680'                                                                                                                                                                                                                                                                                                                                                                                                                | 3000 gal 15% HCL (over)                                              |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 33. PRODUCTION                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
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| DATE FIRST PRODUCTION                                                                                                                                                                                                                                                                                                                                                                                                        | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in)                                        |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 3-5-88                                                                                                                                                                                                                                                                                                                                                                                                                       | Pumping                                                              | Shut-in                                                                   |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| <table border="1"><thead><tr><th>DATE OF TEST</th><th>HOURS TESTED</th><th>CHOKE SIZE</th><th>PROD'N. FOR TEST PERIOD</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>GAS-OIL RATIO</th></tr></thead><tbody><tr><td>5-1-89</td><td>24</td><td></td><td></td><td>3</td><td>98</td><td>13</td><td>32667</td></tr></tbody></table>                                                                                 |                                                                      |                                                                           |                         | DATE OF TEST          | HOURS TESTED                                                         | CHOKE SIZE                         | PROD'N. FOR TEST PERIOD  | OIL—BBL.         | GAS—MCF.                  | WATER—BBL.              | GAS-OIL RATIO       | 5-1-89        | 24                      |        |    | 3             | 98   | 13    | 32667  |                       |               |
| DATE OF TEST                                                                                                                                                                                                                                                                                                                                                                                                                 | HOURS TESTED                                                         | CHOKE SIZE                                                                | PROD'N. FOR TEST PERIOD | OIL—BBL.              | GAS—MCF.                                                             | WATER—BBL.                         | GAS-OIL RATIO            |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 5-1-89                                                                                                                                                                                                                                                                                                                                                                                                                       | 24                                                                   |                                                                           |                         | 3                     | 98                                                                   | 13                                 | 32667                    |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| <table border="1"><thead><tr><th>FLOW. TUBING PRESS.</th><th>CASING PRESSURE</th><th>CALCULATED 24-HOUR RATE</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>OIL GRAVITY-API (CORR.)</th></tr></thead><tbody><tr><td>80</td><td>85</td><td></td><td>3</td><td>98</td><td>13</td><td></td></tr></tbody></table>                                                                                                  |                                                                      |                                                                           |                         | FLOW. TUBING PRESS.   | CASING PRESSURE                                                      | CALCULATED 24-HOUR RATE            | OIL—BBL.                 | GAS—MCF.         | WATER—BBL.                | OIL GRAVITY-API (CORR.) | 80                  | 85            |                         | 3      | 98 | 13            |      |       |        |                       |               |
| FLOW. TUBING PRESS.                                                                                                                                                                                                                                                                                                                                                                                                          | CASING PRESSURE                                                      | CALCULATED 24-HOUR RATE                                                   | OIL—BBL.                | GAS—MCF.              | WATER—BBL.                                                           | OIL GRAVITY-API (CORR.)            |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                           | 85                                                                   |                                                                           | 3                       | 98                    | 13                                                                   |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>To be sold                                                                                                                                                                                                                                                                                                                                                     |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 35. LIST OF ATTACHMENTS<br>None                                                                                                                                                                                                                                                                                                                                                                                              |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                                                                                                                                                                                                                            |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |
| SIGNED <u>AS Shaw</u> <u>Amoco</u> Adm. Supv. DATE <u>6-6-89</u>                                                                                                                                                                                                                                                                                                                                                             |                                                                      |                                                                           |                         |                       |                                                                      |                                    |                          |                  |                           |                         |                     |               |                         |        |    |               |      |       |        |                       |               |

\*(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 |
| Pictured Cliffs | 3704' |        |                                                           |      |             |                  |
| Lewis           | 4020' |        |                                                           |      |             |                  |
| Cliffhouse      | 5572' | *      | #32 Cont.<br>7345'-7490' 4000 gal 15% HCL                 |      |             |                  |
| Menefee         | 5705' | *      | 7345'-7490' 120000 gal 30# gel<br>112000# 20-40 sand      |      |             |                  |
| Pt. Lookout     | 5905' |        | CIBP 7320'                                                |      |             |                  |
| Mancos          | 6102' |        | 7168'-7270' 93954 gal 30# xlink gel<br>94320 # 20-40 sand |      |             |                  |
| Gallup          | 7170' |        |                                                           |      |             |                  |
| Greenhorn       | 7984' |        |                                                           |      |             |                  |
| Dakota          | 8120' |        |                                                           |      |             |                  |