

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 \*

| 1. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-011349-A                      |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------|----------------------------|----------------------------------------------------------------------|------------------------------------|-------------------------|------------------|---------------|-------------------------|---------------|---------|---------|--------------------------|------|-----------|-------------|----------|--------|----------------------------|----------------|--|--|--|--|----------------------------|----------------------------|
| 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. REVR. <input type="checkbox"/> Other _____                                                                                                                                                                                                                                                                                                                                                        |                                                                      | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                    |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 2. NAME OF OPERATOR<br>Phillips Petroleum Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                      | 7. UNIT AGREEMENT NAME<br>San Juan 29-5 Unit                            |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 3. ADDRESS OF OPERATOR<br>5525 Hwy 64 NBU 3004, Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      | 8. FARM OR LEASE NAME                                                   |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface Unit G, 1532' FNL & 1363' FEL<br>At top prod. interval reported below Same as above<br>At total depth Same as above                                                                                                                                                                                                                                                                                                                                                        |                                                                      | 9. WELL NO.<br>214                                                      |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 14. PERMIT NO.<br>30-039-24930                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      | 10. FIELD AND POOL, OR WILDCAT<br>Basin Fruitland Coal                  |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 15. DATE SPUDDED<br>10-26-90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                      | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br>Sec. 27, T29N, R5W |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 16. DATE T.D. REACHED<br>10-30-90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                      | 12. COUNTY OR PARISH<br>Rio Arriba                                      |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 17. DATE COMPL. (Ready to prod.)<br>Perf'd 12-30-91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      | 13. STATE<br>NM                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                      | 19. ELEV. CASINGHEAD                                                    |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 20. TOTAL DEPTH, MD & TVD<br>3883'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                      | 21. PLUG, BACK T.D., MD & TVD<br>3834'                                  |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 22. IF MULTIPLE COMPL., HOW MANY*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                      | 23. INTERVALS DRILLED BY<br>ROTARY TOOLS X CABLE TOOLS                  |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>3600' - 3816' Fruitland                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                      | 25. WAS DIRECTIONAL SURVEY MADE<br>NO                                   |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>GR/CBL/CCL/VDL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                      | 27. WAS WELL CORED<br>NO                                                |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                      |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| <table border="1"><thead><tr><th>CASINO 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#, K-55</td><td>288.31'</td><td>12-1/4"</td><td>250 Sx C1 B, Circ 109 Sx</td><td></td></tr><tr><td>5-1/2" LS</td><td>15.5#, J-55</td><td>3883.02'</td><td>8-3/4"</td><td>28 Sx 65/35 Poz, 100 Sx C1</td><td>B, (1st Stage)</td></tr><tr><td></td><td></td><td></td><td></td><td>722 Sx 65/35 Poz, 60 Sx C1</td><td>B, Circ 126 Sx (2nd Stage)</td></tr></tbody></table> |                                                                      |                                                                         |                         | CASINO SIZE                | WEIGHT, LB./FT.                                                      | DEPTH SET (MD)                     | HOLE SIZE               | CEMENTING RECORD | AMOUNT PULLED | 9-5/8"                  | 36#, K-55     | 288.31' | 12-1/4" | 250 Sx C1 B, Circ 109 Sx |      | 5-1/2" LS | 15.5#, J-55 | 3883.02' | 8-3/4" | 28 Sx 65/35 Poz, 100 Sx C1 | B, (1st Stage) |  |  |  |  | 722 Sx 65/35 Poz, 60 Sx C1 | B, Circ 126 Sx (2nd Stage) |
| CASINO SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | WEIGHT, LB./FT.                                                      | DEPTH SET (MD)                                                          | HOLE SIZE               | CEMENTING RECORD           | AMOUNT PULLED                                                        |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 9-5/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 36#, K-55                                                            | 288.31'                                                                 | 12-1/4"                 | 250 Sx C1 B, Circ 109 Sx   |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 5-1/2" LS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15.5#, J-55                                                          | 3883.02'                                                                | 8-3/4"                  | 28 Sx 65/35 Poz, 100 Sx C1 | B, (1st Stage)                                                       |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      |                                                                         |                         | 722 Sx 65/35 Poz, 60 Sx C1 | B, Circ 126 Sx (2nd Stage)                                           |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 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>2-3/8"</td><td>3793'</td><td>None</td></tr><tr><td>4.7#, J-55</td><td></td><td></td></tr></tbody></table>                                                                                                                                                                                                                                                                                                                                                        |                                                                      |                                                                         |                         | SIZE                       | DEPTH SET (MD)                                                       | PACKER SET (MD)                    | 2-3/8"                  | 3793'            | None          | 4.7#, J-55              |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DEPTH SET (MD)                                                       | PACKER SET (MD)                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 2-3/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3793'                                                                | None                                                                    |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 4.7#, J-55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                      |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 31. PERFORATION RECORD (Interval, size and number)<br>Perf'd w/2 spf<br>3758'-3775'; 3790'-3816' (Total 88 Holes)<br>3600'- 3692' OA                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                      |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br><table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>SEE ATTACHED</td><td></td></tr></tbody></table>                                                                                                                                                                                                                                                                                                                                                       |                                                                      |                                                                         |                         | DEPTH INTERVAL (MD)        | AMOUNT AND KIND OF MATERIAL USED                                     | SEE ATTACHED                       |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AMOUNT AND KIND OF MATERIAL USED                                     |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| SEE ATTACHED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                      |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 33. PRODUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| <table border="1"><thead><tr><th>DATE FIRST PRODUCTION</th><th>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</th><th>WELL STATUS (Producing or shut in)</th></tr></thead><tbody><tr><td>SI 1-8-92</td><td>Flowing</td><td></td></tr></tbody></table>                                                                                                                                                                                                                                                                                                           |                                                                      |                                                                         |                         | DATE FIRST PRODUCTION      | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut in) | SI 1-8-92               | Flowing          |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| DATE FIRST PRODUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut in)                                      |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| SI 1-8-92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flowing                                                              |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| <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>1-8-92</td><td>1</td><td>2"</td><td></td><td></td><td></td><td></td><td></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 | 1-8-92  | 1       | 2"                       |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| DATE OF TEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HOURS TESTED                                                         | CHOKE SIZE                                                              | PROD'N. FOR TEST PERIOD | OIL—BBL.                   | GAS—MCF.                                                             | WATER—BBL.                         | GAS-OIL RATIO           |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 1-8-92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                                                    | 2"                                                                      |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| <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>GM. GRAVITY-API (CORR.)</th></tr></thead><tbody><tr><td>SI 625</td><td>SI 625</td><td></td><td>---</td><td>1230</td><td>No Test</td><td></td></tr></tbody></table>                                                                                                                                                                                                                                          |                                                                      |                                                                         |                         | FLOW. TUBING PRESS.        | CASING PRESSURE                                                      | CALCULATED 24-HOUR RATE            | OIL—BBL.                | GAS—MCF.         | WATER—BBL.    | GM. GRAVITY-API (CORR.) | SI 625        | SI 625  |         | ---                      | 1230 | No Test   |             |          |        |                            |                |  |  |  |  |                            |                            |
| FLOW. TUBING PRESS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CASING PRESSURE                                                      | CALCULATED 24-HOUR RATE                                                 | OIL—BBL.                | GAS—MCF.                   | WATER—BBL.                                                           | GM. GRAVITY-API (CORR.)            |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| SI 625                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SI 625                                                               |                                                                         | ---                     | 1230                       | No Test                                                              |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>Waiting on Connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 35. LIST OF ATTACHMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                      |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined (and as) available records<br>SIGNED <u>R. A. Alfred</u> TITLE <u>Drilling Supervisor</u> 1-15-92                                                                                                                                                                                                                                                                                                                                                                              |                                                                      |                                                                         |                         |                            |                                                                      |                                    |                         |                  |               |                         |               |         |         |                          |      |           |             |          |        |                            |                |  |  |  |  |                            |                            |

\*(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 | MEAS. DEPTH          | TOP<br>TRUE<br>VERT. DEPTH |  |
| Ojo Alamo                                                                                                                                                                                                                                           | 3015' | 3235'  | Sandstone                   |      |                      |                            |  |
| Kirtland                                                                                                                                                                                                                                            | 3235' | 3510'  | Sandstone & Shale           |      |                      |                            |  |
| Fruitland                                                                                                                                                                                                                                           | 3510' | 3601'  | Sandstone & Shale & Coal    |      |                      |                            |  |
| Fruitland Coal                                                                                                                                                                                                                                      | 3601' | 3810'  | Shale & Coal                |      |                      |                            |  |
| Pictured Cliffs                                                                                                                                                                                                                                     | 3815' |        | Sandstone                   |      |                      |                            |  |
| THIS IS NOT AN OPEN                                                                                                                                                                                                                                 |       |        | HOLE COMPLETION             |      |                      |                            |  |

SAN JUAN 29-5 UNIT WELL NO. 214 FRAC INFORMATION

Frac'd from 3758'-3816'. Howco frac'd w/24,251 gals 30# gel, 750,300 SCF N<sub>2</sub>, 68,350 gals 70% quality foam and 120,000# sand. Max press. 2343 psi, avg press. 2000 psi, avg inj. rate 46 bpm, ISIP 621 psi.

Frac'd from 3600'-3692'. Frac'd w/1,225,600 SCF N<sub>2</sub> and 29,563 gals 30# gel, 83,773 gals 70% quality foam and 148,000# 16/30 sand. Max press. 3276 psi, avg press. 2693 psi, avg ing. rate 62 bpm. ISIP 2012 psi.