

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

|   |                      |  |                 |                     |                        |                              |                       |                   |                   |
|---|----------------------|--|-----------------|---------------------|------------------------|------------------------------|-----------------------|-------------------|-------------------|
| 1a. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Other   |                      | 2005 JAN 1 1 11  |                 |                     |                        |                              |                       |                   |                   |
| b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. |                      | RECEIVED   |                 |                     |                        |                              |                       |                   |                   |
| Other <u>Dry Hole</u>   |                      |  |                 |                     |                        |                              |                       |                   |                   |
| 2. Name of Operator <b>Richardson Operating Company</b>   |                      |  |                 |                     |                        |                              |                       |                   |                   |
| 3. Address <b>3100 La Plata Highway, Farmington, NM 87401</b>   |                      |  |                 |                     |                        |                              |                       |                   |                   |
| 3a. Phone No. (include area code)   |                      | 505-564-3900   |                 |                     |                        |                              |                       |                   |                   |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| At surface <b>1020' FNL &amp; 1910' FWL Sec. 13 T28N-R8W</b>  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| At top prod. interval reported below  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| At total depth <b>Same as above</b>   |                      |  |                 |                     |                        |                              |                       |                   |                   |
| 14. Date Spudded<br><b>06/15/2004</b>   |                      | 15. Date T.D. Reached<br><b>06/19/2004</b>   |                 |                     |                        |                              |                       |                   |                   |
| 16. Date Completed<br><input checked="" type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod.   |                      | 17. Elevations (DF, RKB, RT, GL)*<br><b>6370' GL</b>   |                 |                     |                        |                              |                       |                   |                   |
| 18. Total Depth: MD <b>3025'</b><br>TVD   |                      | 19. Plug Back T.D.: MD <b>3000'</b><br>TVD   |                 |                     |                        |                              |                       |                   |                   |
| 20. Depth Bridge Plug Set: MD<br>TVD  |                      | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br><b>None</b>               |                 |                     |                        |                              |                       |                   |                   |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)   |                      | Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) |                 |                     |                        |                              |                       |                   |                   |
| Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)   |                      |  |                 |                     |                        |                              |                       |                   |                   |
| 23. Casing and Liner Record (Report all strings set in well)  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| Hole Size   | Size/Grade           | Wt. (#/ft.)  | Top (MD)        | Bottom (MD)         | Stage Cementer Depth   | No. of Sks. & Type of Cement | Slurry Vol. (BBL)     | Cement Top*       | Amount Pulled     |
| 8 3/4"  | 7" H-40              | 17#  | -1' GL          | 302'                |                        | 120sx Class B                | 26 bbl                | Surface           | Circ. 11 bbl      |
| 6 1/4"  | 4.5" J-55            | 10.5#  | +1' GL          | 2999'               |                        | 177sx Class B                | 65 bbl                |                   | Did not circ      |
| 24. Tubing Record   |                      |  |                 |                     |                        |                              |                       |                   |                   |
| Size  | Depth Set (MD)       | Packer Depth (MD)  | Size            | Depth Set (MD)      | Packer Depth (MD)      | Size                         | Depth Set (MD)        | Packer Depth (MD) |                   |
| NA  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| 25. Producing Intervals   |                      |  |                 |                     | 26. Perforation Record |                              |                       |                   |                   |
| Formation   |                      | Top  | Bottom          | Perforated Interval |                        | Size                         | No. Holes             | Perf. Status      |                   |
| A)  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| B)  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| C)  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| D)  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| 27. Acid, Fracture, Treatment, Cement Squeeze, etc.   |                      |  |                 |                     |                        |                              |                       |                   |                   |
| Depth Interval  |                      | Amount and Type of Material  |                 |                     |                        |                              |                       |                   |                   |
|   |                      |  |                 |                     |                        |                              |                       |                   |                   |
|   |                      |  |                 |                     |                        |                              |                       |                   |                   |
| 28. Production - Interval A   |                      |  |                 |                     |                        |                              |                       |                   |                   |
| Date First Produced   | Test Date            | Hours Tested   | Test Production | Oil BBL             | Gas MCF                | Water BBL                    | Oil Gravity Corr. API | Gas Gravity       | Production Method |
|   |                      |  | →               |                     |                        |                              |                       |                   |                   |
| Choke Size  | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL             | Gas MCF                | Water BBL                    | Gas/Oil Ratio         | Well Status       |                   |
|   |                      |  | →               |                     |                        |                              |                       |                   |                   |
| 28a. Production - Interval B  |                      |  |                 |                     |                        |                              |                       |                   |                   |
| Date First Produced   | Test Date            | Hours Tested   | Test Production | Oil BBL             | Gas MCF                | Water BBL                    | Oil Gravity Corr. API | Gas Gravity       | Production Method |
|   |                      |  | →               |                     |                        |                              |                       |                   |                   |
| Choke Size  | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL             | Gas MCF                | Water BBL                    | Gas/Oil Ratio         | Well Status       |                   |
|   |                      |  | →               |                     |                        |                              |                       |                   |                   |

\*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

JAN 14 2005

NMOCD

FARMINGTON FIELD OFFICE  
BY gmm

## 28b. Production - Interval C

| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

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.

## 31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top         |
|-----------|-----|--------|------------------------------|------|-------------|
|           |     |        |                              |      | Meas. Depth |
|           |     |        |                              |      |             |

## 32. Additional remarks (include plugging procedure):

Well was plugged and abandoned. Pressure test casing to 800psi for 30 min, held ok. Shoot sqz holes @ 2712'. TIH w/ cement retainer & tbg. Set retainer @ 2696'. Pump 22sx cement below retainer and 10sx cement above retainer. Shoot sqz holes @ 2180'. TIH w/ retainer & tbg. Set retainer @ 2138'. Pump 22sx cement below retainer and 10sx cement above retainer. Shoot sqz holes @ 620'. Pump down casing, circ. up bradenhead. Pump 137sx cement. Cement did not come to surface, TIH w/ tbg to 470'. Reverse cement out of casing. Run CBL from 456' to surface. Top of cement @ 10'. TIH w/ tbg to 410'. Fill casing w/ cement. Set temporary cap and mark per BLM.

## 33. Indicate which times have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)    ☐ Geologic Report    ☐ DST Report    ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification    ☐ Core Analysis    ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Ryan BrunerTitle Engineering GeologistSignature Date 12/20/2004

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.