

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 ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

2. Name of Operator **Richardson Operating Company**

3. Address **3100 La Plata Highway, Farmington, NM 87401**

4. Location of Well (Report location clearly and in accordance with Federal requirements)  
At surface **1831' FSL & 1725' FEL Sec. 28 T29N - R14W**  
At top prod. interval reported below  
At total depth **Same as above**

14. Date Spudded **05/17/2004**

15. Date T.D. Reached **05/19/2004**

16. Date Completed **05/19/2004**  
☐ D & A ☒ Ready to Prod.

5. Lease Serial No. **14-20-603-2168A**

6. If Indian, Allottee or Tribe Name  
**Navajo**

Unit or CA Agreement Name and No. **NA**

8. Lease Name and Well No.  
**Navajo 28 #3**

9. AFI Well No.  
**30-045-30615**

10. Field and Pool, or Exploratory  
**W Kutz PC & Basin FC**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 28, T29N-R14W**

12. County or Parish **San Juan**

13. State **NM**

17. Elevations (DF, RKB, RT, GL)\*  
**5631' GL**

18. Total Depth: MD **1250' GL**  
TVD

19. Plug Back T.D.: MD  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**Compensated Neutron Log**

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ 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" K-55    | 20#         | Surface  | 129'        |                      | 55 sx Class B                | 12 bbl            | Surface     | Circ. 4 bbl   |
| 6 1/4"    | 4.5" J-55  | 10.5#       | Surface  | 1236'       |                      | 85 sx Class B                | 31 bbl            | Surface     | Circ. 15 bbl  |
|           |            |             |          |             |                      | 75 sx Class B                | 16 bbl            | Surface     | Circ. 15 bbl  |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |

## 24. Tubing Record

| Size   | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2 3/8" | 1140'          |                   |      |                |                   |      |                |                   |

## 25. Producing Intervals

| Formation       | Top   | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-----------------|-------|--------|---------------------|-------|-----------|--------------|
| A) West Kutz PC | 1035' | TD     | 1035'-1044'         | 0.38" | 18        | Open         |
| B)              |       |        |                     |       |           |              |
| C)              |       |        |                     |       |           |              |
| D)              |       |        |                     |       |           |              |

## 26. Perforation Record

## 27. Acid, Fracture, Treatment, Cement Squeeze, etc.

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 1035'-1044'    | Spearhead with 500 gal HCl  |
|                | Frac with 17,751 gal gelled fluid, with 42,517# 20/40 Brady/ Super LC sand, all in five stages. |
|                | Flush with 676 gal Aqua Safe L20  |

## 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         |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------|
|                     |                      |              | →               |         |         |           |                       |             | Sundry of tests to follow |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                           |
|                     |                      |              | →               |         |         |           |                       | SI:WOPL     |                           |

## 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

JUL 23 2004

FARMINGTON FIELD OFFICE  
BY *JB*

NMOCD

## 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 |
|--------------------------------|---------------|-------------|------------------------------|------|-----------------|
| Fruitland Coal Pictured Cliffs | 902'<br>1035' | 1035'<br>TD |                              |      |                 |

32. Additional remarks (include plugging procedure):

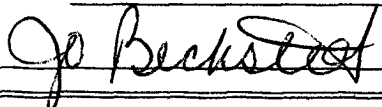
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ 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) Jo BeckstedTitle Compliance Administrator

Signature

Date 07/21/2004

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.