

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 Operations**

3. Address **3100 LaPlata Highway, Farmington, NM 87401** 3a. Phone No. (include area code) **505-564-3100**

4. Location of Well (Report location clearly and in accordance with Federal requirements)  
At surface **1025' FNL - 765' FWL**  
At top prod. interval reported below  
At total depth

5. Lease Serial No. **NM-89026**

6. If Indian, Allottee or Tribe Name **N/A**

7. Unit or CA Agreement Name and No. **N/A**

8. Lease Name and Well No. **WF Federal 6-3**

9. AFI Well No. **30-045-31725**

10. Field and Pool, or Exploratory **Basin Fruitland Coal**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 6-T29N-R14W**

12. County or Parish **San Juan** 13. State **NM**

14. Date Spudded **01/13/2004** 15. Date T.D. Reached **01/17/2004** 16. Date Completed **01/23/2004**  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\* **5326 GL**

18. Total Depth: MD **815'** 19. Plug Back T.D.: MD **759'** 20. Depth Bridge Plug Set: MD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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"	7.0"	20	Surf	128'		70 sx Class B		Circ	Surf
6-1/4"	4.5"	10.5	Surf	803'		100 sx Class B		Circ	Surf

## 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"	669.08'							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal	550	622	550-54'	.45	8	
B)			591-594'	.45	6	
C)			608-622'	.45	56	
D)						

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

Depth Interval	Amount and Type of Material
550-622'	750 gals. 15% HCL spearhead, pumped 8442 gals ambormax 1020 gell as pad, 5384 gals @ 1 ppg, 5395 gals @ 7 ppg, 5510 gals @ 3 ppg, 5406 gals @ 20/40 brady, 3617 gals @ 5 ppg slc w/activator. Flush with 449 gals. Chemicals used, bio-4. 10 ppt, wga-1a sir 5 gpt, prosurf 1 1 gpt, prosurf 11 .50 gpt, ba-2.5 gpt, sx-9 1 gpt, supersert-w 10 gpt.

## 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

FEB 09 2004

FARMINGTON FIELD OFFICE

BY

NMOC

## 28b. Production - Interval C

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	

## 28c. Production - Interval D

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	

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	550'	622'			

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 AdministratorSignature Jo BeckstedDate 02/03/2004

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.