

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. Resrv.
Other _____

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

3. Address **3100 La Plata Highway, Farmington, NM 87401** 3a. Phone No. (include area code) **505-264-3800**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **2010' FSL & 1785' FEL, Sec. 14, T28N, R8W**
At top prod. interval reported below
At total depth **Same as above**

5. Lease Serial No. **NMSF-078390**
6. If Indian, Allottee or Tribe Name **NA**
7. Unit or CA Agreement Name and No. **9629 NM**
8. Lease Name and Well No. **Federal 14-14 #2**
9. AFI Well No. **30-045-31950**
10. Field and Pool, or Exploratory **Basin Fruitland Coal**
11. Sec., T., R., M., on Block and Survey or Area **Sec. 14, T28N, R8W**
12. County or Parish **San Juan** 13. State **NM**
14. Date Spudded **06/02/2004** 15. Date T.D. Reached **06/09/2004** 16. Date Completed **08/22/2004**
☒ D. & A. ☒ Ready to Prod.
17. Elevations (DF, RKB, RT, GL)* **6340' GL**

18. Total Depth: MD **3010' GL** 19. Plug Back T.D.: MD **2950' GL** 20. Depth Bridge Plug Set: MD
TVD TVD 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" H-40	17#	-1' GL	304'		120sx Class B	25 bbl	Surface	Circ. 12 bbl
6 1/4"	4.5" J-55	11.6#	+1' GL	2992'		225sx Class B	113 bbl		
						100sx Class B	21 bbl	Surface	Circ. 9ppg cmt

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"	2900'								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	2678'	2851'		2678':2680':2712':2730'	0.38"	16 total holes	Open
B)				2732':2736':2745':2748'			
C)				2750':2754':2757':2765'			
D)				2770':2772':2783':2785'			See page 2

27. Acid, Fracture, Treatment, Cement Squeeze, etc.		Amount and Type of Material	
Depth Interval			
2678'-2851'		Frac with 88487 gal gelled fluid, 1374441 scf N2, 173302# 20/40 Brady sand, all in seven stages.	
		Flush with 1418 gal 60Q N2 Foam/ Aqua Safe X20	

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

SEP 08 2004

FARMINGTON FIELD OFFICE
BY JB

NMOCD

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):				31. Formation (Log) Markers	
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.					
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Fruitland Coal Pictured Cliffs	2578' 2860'	2860' TD			
Perfs cont. Fruitland Coal			Perforated Interval: 2787';2806';2814';2817 2834'-2840' 2851'	Size: 0.38" 0.38" 0.38"	# of holes: 4 holes 1 spf, 6 holes 1 hole
					Perf Status: Open Open Open

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 Becksted

Title Compliance Administrator

Signature

Jo Becksted

Date 09/03/2004

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.