

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

1. 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**

3a. Phone No. (include area code)  
**505-564-3100**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **1710' FSL & 765' FEL Sec. 15 T28N-R8W**  
 At top prod. interval reported below  
 At total depth **Same as above**

5. Lease Serial No. **MSF-078499**

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

7. Unit or CA Agreement Name and No.  
**9634**

8. Lease Name and Well No.  
**Federal 24-15 #2**

9. AFI Well No.  
**30-045-31953**

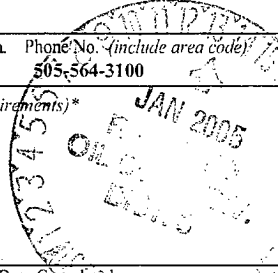
10. Field and Pool, or Exploratory  
**Basin Fruitland Coal**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 15 T28N-R8W**

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

14. Date Spudded **06/23/2004** | 15. Date T.D. Reached **06/29/2004** | 16. Date Completed **12/18/2004**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**6405' GL**



18. Total Depth: MD **3040'** | 19. Plug Back T.D.: MD **3020'** | 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8 3/4"	7" H-40	17#	-1' GL	298'		140sx Class B	30 bbl	Surface	Circ. 9 bbl
6 1/4"	4.5" J-55	11.6#	+1' GL	3020'		222sx Class B	111 bbl	Surface	Circ. 28 bbl
						100sx Class B	22 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"	2864'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	2696'	2864'	2735'; 2774'-2777';		1spf; 4 holes	Open
B)			2781'-2784'; 2797'-2800'		1spf; 6 holes	Open
C)			2820'		1spf; 1 hole	Open
D)			2850'-2864'		4spf; 56holes	Open

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

Depth Interval	Amount and Type of Material
2735'-2864'	Spearhead with 1000gal 15% HCl
	Frac with 66122gal gelled fluid, 1001895scf N2, 94100# 20/40 Brady sand, 20900# 20/40 SuperLC, in 5 stages
	Flush with 1827gal 60Q N2 foam / 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	
			→						

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	
			→						

ACCEPTED FOR RECORD  
 JAN 11 2005  
 FARMINGTON FIELD OFFICE  
 BY *[Signature]*

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

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	2696'	2864'			

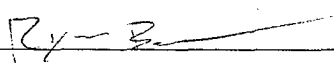
32. Additional remarks (include plugging procedure):

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) Ryan Bruner Title Engineering Geologist

Signature  Date \_\_\_\_\_

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.