

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**

RECEIVED  
070 FARMINGTON NM

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface **660' FSL, 1980' FEL, Sec. 36, T29N, R14W**

At top prod. interval reported below

At total depth **Same as above**

14. Date Spudded  
**01/16/1961**

15. Date T.D. Reached  
**01/29/1961**

16. Date Completed **09/21/2004**  
 D & A  Ready to Prod.

5. Lease Serial No.  
**DMSF 14-20-603-2172**

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

7. Unit or CA Agreement Name and No.  
**NW Cha Cha Unit**

8. Lease Name and Well No.  
**NW Cha Cha #74**

9. AFI Well No.  
**30-045-07598**

10. Field and Pool, or Exploratory  
**Pictured Cliffs**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 36, T29N, R14W**

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

17. Elevations (DF, RKB, RT, GL)\*  
**5967' KB**

18. Total Depth: MD **5656'**  
TVD

19. Plug Back T.D.: MD **1694'**  
TVD

20. Depth/Bridge Plug Set: MD **1804'**  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**Cased Hole CNL**

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
12-1/4"	7-5/8"	H40 24#	Surface	205'		150sx Class B	30 bbls	Surface	Unknown
6-1/4"	4.5" J-55	9.5#	Surface	5654'		175sx Class B	36 bbls	4262'	Unknown

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"	1500'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	1508'	1670'	1508-1516'	0.34"	32 holes	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
1508-1516'	Pump 500 gals 15% HCL, pump 5670 gals aquasafe X20 as pad, pump 4961 gals, 1#/gal, pump 4049 gals, 2#/gal pump 2984 gals, 3#/gal, pump 1306 gals @ 4#/gal, pump 2522 gals, 4#/gal with activator, pump 462 gals as flush

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
			→						ACCEPTED FOR RECORD
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)

SEP 24 2004

FARMINGTON FIELD OFFICE  
BY *SM*  
RMOC

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Cor. 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 Cor. 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
Ojo Alamo	Surf	1508'			
Fruitland Coal	1248'	1508'			
Pictured Cliffs	1508'	1670'			

32. Additional remarks (include plugging procedure):

SENT TO FARMINGTON OFFICE FOR SUBMITTAL ON THIS DATE

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) Tom Bergin

Title Operations Manager

Signature 

Date 06/23/2004

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.