

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 20045. Lease Serial No.  
NMNM-990031a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Otherb. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resur.

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 890' FNL &amp; 909' FWL

At top prod. interval reported below

At total depth

14. Date Spudded

10/18/01

15. Date T.D. Reached

10/20/01

16. Date Completed

☒ D&A ☒ Ready to Prod.

8/15/03

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

WF Federal 31 #2

9. API Well No.

30-045-30726

10. Field and Pool, or Exploratory

Pictured Cliffs

11. Sec., T., R., M., on Block and Survey  
or Area Sec 31, T30N, R14W, NMPM

12. County or Parish

San Juan

13. State

NM

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

5360' GL

18. Total Depth: MD 880'  
TVD19. Plug Back T.D.: MD 831'  
TVD20. Depth Bridge Plug Set: MD  
TVD

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

CNL/GR

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" J-55	20	Surf	139		60 sk 'B'	13	0	0
6 1/4	4.5" J-55	9.5	Surf	875		50 100' 'B'	28	0	0

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	720'							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	709'	710'	709'-710'	.38"	4	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
709'-710'	250 gals 15% HCl, 30150 # Brady sand

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	SI - Waiting for C104

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	Call Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

NMOCD

ACCEPTED FOR RECORD

SEP 8 2003

FARMINGTON FIELD OFFICE

## 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.)

Sold

## 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	180	708			
Pictured Cliffs	708	TD			

## 32. Additional remarks (include plugging procedure):

Well test data will be provided via a sundry notice after well has produced and rates have been established.

## 33. Circle enclosed attachments:

- ① Electrical/Mechanical Logs (1 full set req'd.)    2 Geologic Report    3 DST Report    ④ Directional Survey  
 5 Sundry Notice for plugging and cement verification    6 Core Analysis    7 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) Drew CarnesTitle Operations ManagerSignature Date 9/4/03

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.