

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.  
14-20-603-21981a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Otherb. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resv. 32

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 1978' FNL &amp; 1221' FWL

At top prod. interval reported below Same

At total depth Same

## 14. Date Spudded

02/07/02

## 15. Date T.D. Reached

02/12/02

## 16. Date Completed

☐ D&A☒ Ready to Prod.

8-1-02

## 6. If Indian, Allottee or Tribe Name

Navajo

## 7. Unit or CA Agreement Name and No.

N/A

## 8. Lease Name and Well No.

Navajo 13-2

## 9. API Well No.

30-045-30653

## 10. Field and Pool, or Exploratory

West Kutz PC

## 11. Sec., T., R., M., on Block and Survey or Area

13-29N-14W NMPM

## 12. County or Parish

San Juan

## 13. State

NM

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

5,220'

18. Total Depth: MD 1007'  
TVD19. Plug Back T.D.: MD 957'  
TVD20. Depth Bridge Plug Set: MD  
TVD

## 21. Type Electric &amp; 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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8 3/4"	7"	20	Surface	133'	135'	50 sks		To Surface	
6 1/4"	4 1/2"	10.5	133'	1007'	1007'	102 sks		To Surface	

## 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"	852'							

## 25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	852'	859'	852' - 859'	0.43"	28	
B)						
C)						
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material

## 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
	8/1/02	12	→	0	83	180			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
	305	330	→	0	83	180		SHUT-IN	

ACCEPTED FOR RECORD

SEP 23 2002

FARMINGTON FIELD OFFICE  
RY

## 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	

OPERATOR

**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
Kirtland Shale	000'	5'			
Fruitland Coal	670'	675'			
Pictured Cliffs	865'	870'			

**32. Additional remarks (include plugging procedure):**
**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) Lori McCabe

Title Land Department

Signature

*Lori McCabe*

Date 9/10/02

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.