

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, 2004

5. Lease Serial No.
14-20-603-2198

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 #1

9. API Well No.

30-045-30652

10. Field and Pool, or Exploratory

W. Katz PC

11. Sec., T., R., M., on Block and Survey
or Area 13-29N-14W NMPM

12. County or Parish 13. State

San Juan NM

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

5,240'

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Replug

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 1300' FNL & 1230' FEL

At top prod. interval reported below SAME

At total depth SAME

14. Date Spudded

02/19/02

15. Date T.D. Reached

02/22/02

16. Date Completed

☐ D&A ☒ Ready to Prod.

8-5-2002

18. Total Depth: MD 1,010'
TVD

19. Plug Back T.D.: MD 1,002'
TVD

20. ---Depth Bridge Plug Set: MD
TVD

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run? ☒ No ☐ Yes (Submit report)

Directional Survey? ☐ No ☒ Yes (Submit copy)

Compensated Neutron Log

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"	20	Surface	120'	120'	30 sks		To Surface	
6 1/4"	4 1/2"	10.5	120'	1006'	1006'	116 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"	898'							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	898'	908'	898' - 908'	0.43"	40	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
	ENTERED AFM68 OCT 07 2002 BY <i>SK</i>

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
	8/5/02	22		0	110	120			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Cog. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
	300	325	→	0	110	120		SHUT-IN	

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

ACCEPTED FOR RECORD

OCT 07 2002

FARMINGTON FIELD OFFICE
BY *SK*

FARMINGTON COPY

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	Section Method
Choke Size	Thg. 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	Thg. 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	590'	595'			
Pictured Cliffs	905'	910'			

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 Sandry 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 McCabeTitle Land DepartmentSignature Lori McCabeDate 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.