

UNITED STATES

SUBMIT IN DUPLICATE*

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

OMB NO. 1004-0137

Expires: February 28, 1995

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-2198

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

WF Navajo 14 #1

9. API WELL NO.

30-045-30485

10. FIELD AND POOL, OR WILDCAT

West Kutz Pictured Cliffs

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

14-T29N-R14W

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR: Richardson Operating Company

3. ADDRESS AND TELEPHONE NO.: 1700 Lincoln, Suite 1700, Denver, CO 80203 (303) 830-8000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface: 1690' FSL & 660' FEL
At top prod. interval reported below: same
At total depth: same

14. PERMIT NO. DATE ISSUED: OCT 2001

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

15. DATE SPUNDED: 3/26/2001

16. DATE T.D. REACHED: 3/8/2001

17. DATE COMPL. (Ready to prod.): 4/13/01

18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 5234 GR

19. ELEV. CASINGHEAD: 5234

20. TOTAL DEPTH, MD & TVD: 1035'

21. PLUG, BACK T.D., MD & TVD: 970'

22. IF MULTIPLE COMPL. HOW MANY?:

23. INTERVALS DRILLED BY: ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD): 834' - 842' PICTURED CLIFFS

25. WAS DIRECTIONAL SURVEY MADE: yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: Compensated Neutron Log; Gamma Ray Collar Log

27. WAS WELL CORED:

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
7"	20.7	130'	8 3/4"	30 sx	
4-1/2"	10.5#	1026.31'	6 1/4"	55 sx	
				60 sx	to pit

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	826'	

31. PERFORATION RECORD (Interval, size and number): 834' - 842' 4 SPF 32 HOLES .42"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
834' - 842'	44,000 # 20/40 BRADY SAND

33. PRODUCTION

DATE FIRST PRODUCTION: 4/16/2001

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): FLOWING

WELL STATUS (Producing or shut-in): PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
4/16/2001	24 HR	1/2"			210	310	

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER-BBL.	OIL GRAVITY-API (CORR.)
35 PSI	170 PSI			210	310	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.):

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: [Signature] TITLE: OPERATIONS MANAGER DATE: 6/1/2001

*(See Instructions and Spaces for Additional Data on Reverse Side.)

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37. SUMMARY OF POROUS ZONES: (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):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP MEAS. DEPTH	TRU VERT. D.
Pictured Cliffs	834'	842'				