

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

NM-25857

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
WF Federal 21-1R

9. API WELL NO.

30-045-29597 30031

10. FIELD AND POOL OR WILDCAT
Harper Hill FR Sand/PC EXT
71860

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

Sec. 21, T30N, R14W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

1. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☒

DRY ☐

Other

2. TYPE OF COMPLETION:

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF. GENV. ☐

Other

3. NAME OF OPERATOR

RICHARDSON OPERATING COMPANY

019219

4. ADDRESS AND TELEPHONE NO.

c/o Walsh Engr. & Prod. Corp.

7415 E. Main

Farmington, N.M. 87402

505-327-4892

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

885' FSL & 906' FWL

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

JUL 29 1999

15. DATE SPUDDED

6/4/98

16. DATE T.D. REACHED

6/7/98

17. DATE COMPL. (Ready to produce)

3/23/99

20. TOTAL DEPTH, MD & TVD

1250'

21. PLUG BACK T.D., MD & TVD

1208'

22. IF MULTIPLE COMPL., HOW MANY*

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

1076-1086' Pictured Cliffs

26. TYPE ELECTRIC AND OTHER LOGS RUN

IND/GR & Density

25. WAS DIRECTIONAL SURVEY MADE

Yes

27. WAS WELL CORED

NO

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#	128'	8-3/4"	50 sxs (59 cuft) C1 "G"	Surface
4-1/2"	10.5#	1250'	6-1/4"	70 sxs (144 cuft) C1 "B"	Surface
				50 sxs (59 cuft) C1 "B"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
					SIZE
					DEPTH SET (MD)
					PACKER SET (MD)
					2-3/8"
					1064'

31. PERFORATION RECORD (Interval, size and number)

1076-1086' 3 spf
30 holes 0.30"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1076-1086'	40,560# 16/30 Arizona Sand in 70% Nitrogen Foam

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO	
3/21/99	24	1/2"	→		80	170		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (°C)		
90	130	→		80	170	100 RECORD		

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

Venting Gas

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 John C. Thompson TITLE Agent BY John C. Thompson DATE 6/21/99

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

Title 18 U.S.C. Section 1001, makes 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.

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	TRUE VERT. DEPTH
Fruitland Coal	485'					
Pictured Cliffs	1075'					