(October 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM-97844

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME, WELL NO.: WF Federal 29-1

9. API WELL NO.: 30-045-29737

10. FIELD AND POOL, OR WILDCAT: ~~Harper Hill~~ FR Sand PC 71860

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 29, T30N, R14W NMPM

12. COUNTY OR PARISH: San Juan

13. STATE: NM

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 019219

3. ADDRESS AND TELEPHONE NO.: c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: 790'FNL & 1410'FEL
At top prod. interval reported below: Same
At total depth: Same

14. PERMIT NO. | DATE ISSUED

15. DATE SPUDDED: 11/28/98
16. DATE T.D. REACHED: 12/3/98
17. DATE COMPL. (Ready to prod.): 3/9/99
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 5554'GL
19. ELEV. CASINGHEAD: 5554'
20. TOTAL DEPTH, MD & TVD: 1280'
21. PLUG BACK T.D., MD & TVD: 1222'
22. IF MULTIPLE COMPL., HOW MANY*:
23. INTERVALS DRILLED BY: → ROTARY TOOLS: CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 1076'-1094' Pictured Cliffs

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR Cement Bond & Density

27. WAS WELL CORED: NO

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#	128'	8-3/4"	50 sxs	Surface
4-1-2"	10.5#	1268'	6-1/4"	80 sxs 50 sxs	Surface

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	1124'	

31. PERFORATION RECORD (Interval, size and number)
1076-1094' 54 holes 0.30"
3 spf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1076-1094'	39,151 16/30 Arizona
	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—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2/29/99	72	1/4"	→		45	240	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
30	70	→		15	80	

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

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: TITLE: John C. Thompson, Agent DATE: 7/2/99

*(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.

RECEIVED JUL 22 1999 OIL CON. DIV. DIST. 3

JUL 07 1999 Bureau of Land Management Durango Colorado

ACCEPTED FOR RECORD JUL 20 1999 FARMINGTON FIELD OFFICE BY

NMOCD

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Fruitland	526'		
Pictured Cliffs	1077'		

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH