

UNITED STATES

SUBMIT IN DUPLICATE*

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-079968	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Richardson Operating Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 1700 Lincoln, Suite 1700, Denver, CO 80203 303-830-8000		8. FARM OR LEASE NAME, WELL NO. WF Federal 3-1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1265' FNL, 1095' FWL At top prod. interval reported below same At total depth same		9. API WELL NO. 30-045-30202	
14. PERMIT NO.		DATE ISSUED NOV 2000	
15. DATE SPUDDED 5/30/00		16. DATE T.D. REACHED 6/5/00	
17. DATE COMPL. (Ready to prod.) 8/24/00		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5460' GR	
19. ELEV. CASINGHEAD 5460'		10. FIELD AND POOL, OR WILDCAT Twin Mounds Fruitland Sand PC Ext.	
20. TOTAL DEPTH, MD & TVD 1206'		21. PLUG, BACK T.D., MD & TVD 1147.35'	
22. IF MULTIPLE COMPL. HOW MANY?		23. INTERVALS DRILLED BY X	
24. PRODUCING INTERVAL(S) OF THIS COMPLETION --TOP, BOTTOM, NAME (MD AND TVD)* 985' - 995' Pictured Cliffs		25. WAS DIRECTIONAL SURVEY MADE yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron		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
7"	20#	132.45'	8 - 3/4"
4 - 1/2"	10.5#	1178.19'	6 - 1/4"
			55 SXS
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
			SCREEN (MD)
			SIZE 2 3/8"
			DEPTH SET (MD) 1147.35
			PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) 985' - 995' 40 holes 0.41" 4 spf		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 985'-995' AMOUNT AND KIND OF MATERIAL USED 56,804# 20/40 Arizona Sand	
33.* PRODUCTION			
DATE FIRST PRODUCTION 8/24/00	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) flowing		WELL STATUS (Producing or shut-in) producing
DATE OF TEST 8/25/00	HOURS TESTED 24	CHOKE SIZE 1/2"	PROD'N. FOR TEST PERIOD OIL--BBL. GAS--MCF. WATER--BBL. GAS-OIL RATIO 70 160
FLOW. TUBING PRESS. 35	CASING PRESSURE 140	CALCULATED 24-HOUR RATE OIL--BBL. GAS--MCF. WATER--BBL. OIL GRAVITY-API (CORR.) 70 160	ACCEPTED FOR RECORD
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented			
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 Cathleen Colby		TITLE Land Manager	
DATE October 5, 2000		TEST WITNESSED BY NOV 01 2000	

*(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.

NMCCD

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	MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs	985'	995'				