

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: February 28, 1995

5 LEASE DESIGNATION AND SERIAL NO
NMNM-97843

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME, WELL NO
WF Federal 28-4

9 API WELL NO
30-045-30377

10 FIELD AND POOL, OR ~~WATER~~
Harper Hill PC

11 SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 28, T30N-R14W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL 2001 MAR 23 PM 1:19
 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 1811' FNL, 1882' FWL
 At top prod. interval reported below same
 At total depth same

14 PERMIT NO. DATE ISSUED 12 COUNTY OR PARISH San Juan 13 STATE NM

15 DATE SPUDDED 11/09/2000 16 DATE T.D. REACHED 11/11/2000 17. DATE COMPL. (Ready to prod.) 01/18/2001 18 ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5574' GR 19 ELEV. CASINGHEAD 5574'

20 TOTAL DEPTH, MD & TVD 1300' GL (1305' KB) 21 PLUG BACK T.D., MD & TVD 1241' GL (1246' KB) 22. IF MULTIPLE COMPL HOW MANY? 23 INTERVALS DRILLED BY X ROTARY TOOLS CABLE TOOLS

24 PRODUCING INTERVAL(S) OF THIS COMPLETION --TOP, BOTTOM, NAME (MD AND TVD)* 1086' - 1096' Pictured Cliffs 25 WAS DIRECTIONAL SURVEY MADE yes

26 TYPE ELECTRIC AND OTHER LOGS RUN Compensated Neutron Log 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"	30 SX	surface
4 - 1/2"	10.5#	1285'	6 - 1/4"	70 SX	surface
				60 SX	surface

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"	1079'	

31. PERFORATION RECORD (Interval, size and number) 1086" - 1096' 40 holes 0.42" 4 spf

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
 DEPTH INTERVAL (MD) 1086'-1096' AMOUNT AND KIND OF MATERIAL USED 46,000 20/40 Brady

33 * PRODUCTION
 DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping, size and type of pump) WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST 01/17/2001 HOURS TESTED 24 CHOKE SIZE 1/2" OIL--BBL 36 GAS--MCF 92 WATER--BBL GAS-OIL RATIO

FLOW TUBING PRESS. 5 CASING PRESSURE 147 CALCULATED 24-HOUR RATE OIL--BBL 36 GAS--MCF 92 WATER--BBL OIL GRAVITY-API (CORR.)

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 Colley TITLE Land Manager

ACCEPTED FOR RECORD
MAR 27 2001
FARMINGTON/FIELD OFFICE
BY DATE [Signature] 3/20/2001

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

X

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	1088'	1150'					