

(July 1992)

UNITED STATES

SUBMIT IN DUPLICATE*

OMB NO. 1004-0137

DEPARTMENT OF THE INTERIOR

(See other instructions on reverse side)

Expires: February 28, 1995

BUREAU OF LAND MANAGEMENT

5 LEASE DESIGNATION AND SERIAL NO

NMNM-97841

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

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 1350' FNL & 1540' FEL

At top prod. interval reported below

At total depth

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME, WELL NO

WF Federal 27-1

9 API WELL NO

30-045-20089-30392

10 FIELD AND POOL, OR WILDCAT

Harper Hill Fruitland Sand PC

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

27-30N-14W NMPM

14 PERMIT NO

DATE ISSUED

12 COUNTY OR PARISH

San Juan

13 STATE

New Mexico

15 DATE SPUDDED

8/24/01

16 DATE T.D. REACHED

8/28/01

17 DATE COMPL. (Ready to prod.)

11/21/01

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

5558000

19 ELEV CASINGHEAD

20 TOTAL DEPTH, MD & TVD

1255

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

1219

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)*

1151'-1161' PC

25 WAS DIRECTIONAL SURVEY MADE

YES

26 TYPE ELECTRIC AND OTHER LOGS RUN

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#	130	8-3/4"	30 sx	
4- 1/2"	10.5#	1251	6-1/2"	40sx	155
				115 sx	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	1146	

31 PERFORATION RECORD (Interval, size and number)

1151'-1161' 4 spf 40 holes .38

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1151'-1161'	20/40 Brady

33 * PRODUCTION

DATE FIRST PRODUCTION 11/21/01		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing					WELL STATUS (Producing or shut-in) prod	
DATE OF TEST 11/21/01	HOURS TESTED 24	CHOKE SIZE 0.5	PROD'N FOR TEST PERIOD →	OIL—BBL 0	GAS—MCF 250	WATER—BBL 72		GAS-OIL RATIO
FLOW, TUBING PRESS 50	CASING PRESSURE 128	CALCULATED 24-HOUR RATE →	OIL—BBL 0	GAS—MCF 250	WATER—BBL 72		OIL GRAVITY-API (CORR.)	

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

vent

TEST WITNESSED BY

John Durham

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

Operations Manager

DATE

24-Jan-02

*(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.

NM000

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____	T. Canyon _____
T. Salt _____	T. Atoka _____
	Strawn _____
B. Salt _____	T. Atoka _____
T. Yates _____	T. Miss _____
T. 7 Rivers _____	T. Devonian _____
T. Queen _____	T. Silurian _____
T. _____	T. Montoya _____
Grayburg _____	
T. San Andres _____	T. Simpson _____
T. _____	T. McKee _____
Glorieta _____	
T. Paddock _____	T. Ellenburger _____
T. Blinebry _____	T. Gr. _____
	Wash _____
T. Tubb _____	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs _____
T. Abo _____	T. _____
T. Wolfcamp _____	T. _____
T. Penn _____	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-	T. Penn. "C"
Fruitland 1151'-1161	
T. Pictured	T. Penn. "D"
Cliffs	
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
Base	T. Granite
Greenhorn	
T. Dakota	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
T.	T.
Permian	T.
T. Penn	
"A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	to	feet
No. 2, from	to	feet
No. 3, from	to	feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology