

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

5 LEASE DESIGNATION AND SERIAL NO.

NMNM-97841

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME, WELL NO

WF Federal 27-2

9 API WELL NO

30-045-30689

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

TYPE OF WELL OIL WELL GAS WELL DRY WELL Other: Oil

TYPE OF COMPLETION NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR Other: Oil

NAME OF OPERATOR Richardson Operating Company

ADDRESS AND TELEPHONE NO 1700 Lincoln, Suite 1700, Denver, CO 80203 (303) 830-8000

LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1021' FNL & 1940' FWL

At top prod. interval reported below

At total depth

14 PERMIT NO DATE ISSUED 12 COUNTY OR PARISH San Juan 13 STATE New Mexico

DATE SPUN 16 DATE T.D. REACHED 17 DATE COMPL. (Ready to prod.) 18 ELEVATIONS (OF R.K.B. RT. GR. ETC.) 19 ELEV CASINGHEAD 2/28/01 8/31/01 11/21/01 5532 GR

TOTAL DEPTH, MD & TVD 21 PLUG BACK T.D., MD & TVD 22 IF MULTIPLE COMPL HOW MANY? 23 INTERVALS DRILLED BY 24 ROTARY TOOLS 25 CABLE TOOLS 1255 1219 X

PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 25 WAS DIRECTIONAL SURVEY MADE YES

TYPE ELECTRIC AND OTHER LOGS RUN 27 WAS WELL CORED Comp. Neutron NO

CASING RECORD (Report all strings set in well)

Table with 6 columns: CASING SIZE/GRADE, WEIGHT, LB./FT, DEPTH SET (MD), HOLE SIZE, TOP OF CEMENT, CEMENTING RECORD, AMOUNT PULLED. Rows include 7" 20#, 4-1/2" 10.5#, and 121 sx.

LINER RECORD

TUBING RECORD

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Row includes 2-3/8" 1090.

PERFORATION RECORD (Interval, size and number)

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

Table with 2 columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED. Row includes 1093'-1103' 20/40 Brady.

PRODUCTION

3 FIRST PRODUCTION 12/19/01 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) flowing WELL STATUS (Producing or shut-in) prod

5 OF TEST 12/19/01 HOURS TESTED 24 CHOKE SIZE 0.5 PRODYN FOR TEST PERIOD OIL-BBL 0 GAS-MCF 375 WATER-BBL 72 GAS-OIL RATIO

4 TUBING PRESS 50 CASING PRESSURE 128 CALCULATED 24-HOUR RATE OIL-BBL 0 GAS-MCF 375 WATER-BBL 72 OIL GRAVITY-API (CORR.)

DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vent TEST WITNESSED BY John Durham

LIST OF ATTACHMENTS

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Operations Manager DATE 21-Jan-02

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

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.

NMOCO

Handwritten initials and checkmark.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____
 T. Salt _____
 B. Salt _____
 T. Yates _____
 T. 7 Rivers _____
 T. Queen _____
 T. _____
 Grayburg _____
 T. San Andres _____
 T. _____
 Glorieta _____
 T. Paddock _____
 T. Blinebry _____
 T. Tubb _____
 T. Drinkard _____
 T. Abo _____
 T. Wolfcamp _____
 T. Penn _____
 T. Cisco (Bough C) _____

T. Canyon _____
 T. Atoka _____
 Strawn _____
 T. Atoka _____
 T. Miss _____
 T. Devonian _____
 T. Silurian _____
 T. Montoya _____
 T. Simpson _____
 T. McKee _____
 T. Ellenburger _____
 T. Gr. _____
 Wash _____
 T. Delaware Sand _____
 T. Bone Springs _____
 T. _____
 T. _____
 T. _____
 T. _____

T. Ojo Alamo _____
 T. Kirtland-
 Fruitland 1093'-1103'
 T. Pictured
 Cliffs _____
 T. Cliff House _____
 T. Menefee _____
 T. Point Lookout _____
 T. Mancos _____
 T. Gallup _____
 Base _____
 Greenhorn _____
 T. Dakota _____
 T. Morrison _____
 T. Todilto _____
 T. Entrada _____
 T. Wingate _____
 T. Chinle _____
 T. _____
 Permian _____
 T. Penn
 "A" _____

T. Penn. "B" _____
 T. Penn. "C" _____
 T. Penn. "D" _____
 T. Leadville _____
 T. Madison _____
 T. Elbert _____
 T. McCracken _____
 T. Ignacio Otzte _____
 T. Granite _____
 T. _____
 T. _____
 T. _____
 T. _____
 T. _____
 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