

July 1992)

UNITED STATES

SUBMIT IN DUPLICATE*

DEPARTMENT OF THE INTERIOR

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

NM-25857

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

WF Federal 21-2

9. API WELL NO.

30-045-30156

c. NAME OF OPERATOR

Richardson Operating Company

d. ADDRESS AND TELEPHONE NO.

1700 Lincoln, Suite 1700, Denver, CO 80203 303-830-8000

e. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1915' FNL, 1425' 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
6/24/00

16. DATE T.D. REACHED
6/27/00

17. DATE COMPL. (Ready to prod.)
9/30/00

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
5646' GR

19. ELEV. CASINGHEAD
5646'

20. TOTAL DEPTH, MD & TVD
1424.68'

21. PLUG, BACK T.D., MD & TVD
1370.46'

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)*

1178' - 1192' Pictured Cliffs

25. WAS DIRECTIONAL SURVEY MADE
yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Neutron

27. WAS WELL CORED
no

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#	132.90'	8 - 3/4"	30 sxs	surface
4 - 1/2"	10.5#	1414.68'	6 - 1/4"	75 sxs	surface
				70sxs	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"	1164'	

31. PERFORATION RECORD (Interval, size and number)

1178' - 1192' 56 holes 0.41"
4 spf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1178'-1192'	73,200# 20/40 Brady Sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in)	
		flowing					producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.		GAS-OIL RATIO
9/30/00	24	1/4"	→		40	160		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF.	WATER-BBL.		OIL GRAVITY-API (CORR.)	
27	210	→		40	160			

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

ACCEPTED FOR RECORD

JAN 29 2001

FARMINGTON FIELD OFFICE

BY DATE December 14, 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.

1000

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.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs	1178'	1192'				

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill, or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Richardson Operating Company

3. Address and Telephone No.

1700 Lincoln, Suite 1700, Denver, Colorado 80203 (303) 830-8000

4. Location of Well (Footage, T, R, M, or Survey Description)

1915' FNL & 1425' FWL

Sec. 21-T30N-R14W

5. Lease Designation and Serial No.

NM-25857

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

WF Federal 21-2

9. API Well No.

30-045-30156

10. Field and Pool, or Exploratory Area

Harper Hill Fruitland Sand PC Ext.

11. County or Parish, State

San Juan County, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Surface Casing/Cementing
	<input checked="" type="checkbox"/> Other: see below
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form).

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.

If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

6-24-00 Spud 8 3/4" surface hole. Drill to 137'. Ran 3 jts 7" 20# casing and set at 132.90'. Cemented with 30 sxs Class "B" cement with 2% CaCl2. Circulated 4 bbls cement to surface.

6-26-00 Pressure test BOP and casing to 600# for 30 minutes.

6-27-00 Drill to 1424.68 TD'. Run 32 jts 4 1/2" 10.5# casing to 1414.68'. Cemented with 75 sxs of Class "B" cement with 2% C-lite and 70 sxs Class B Neat. Circulated 10 bbls cement to surface. Plug down at 12:39.

14. I hereby certify that the foregoing is true and correct.

Signed: Cathleen Colby

Title: Land Manager

(This space for Federal or State office use)

Approved by: _____

Title: _____

Conditions of approval, if any:

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.

