

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)

1200' FSL, 1515' FEL

Sec. 20-T30N-R14W

5. Lease Designation and Serial No.

NM-97841

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

WF Federal 20-3

9. API Well No.

30-045-30114

10. Field and Pool, or Exploratory Area

Twin Mounds PC Ext.

11. County or Parish, State

San Juan County, NM

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

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☐

Surface Casing/Cementing

☒

Other: see below

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

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.)*

Well completed as per attached treatment report

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

Signed:

Cathleen Kelly

Title: Land Manager

Date: 12/14/00

(This space for Federal or State office use)

Approved by:

Title:

Date:

Conditions of approval, if any:

ACCEPTED FOR RECORD

JAN 29 2001

FARMINGTON FIELD OFFICE

BY

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.

RICHARDSON OPERATING COMPANY

FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: WF Federal 20-3
Date: September 1, 2000
Field: Pictured Cliffs Location: 20-30N-14W County: San Juan State: NM
Stimulation Company: Schlumberger Supervisor: _____

Stage #: 1/1

Sand on location (design): 57,100 Weight ticket: 57,100 Size/type: 20/40 Brady Sand

Fluid on location: No. of Tanks: 2 Strap: 40 Amount: 800 Usable: 760

Perforations

Depth: 1098' - 1106' Total Holes: 45 PBTD: 1223'
Shots per foot: 4 EHD: 0.41

Breakdown

Acid: 500
Balls: N/A
Pressure: 2500 Rate: 5 bpm

Stimulation

ATP: 2300 AIR: 45
MTP: 3800 MIR: 45

	<u>Sand Stages</u>	<u>Pressure</u>	<u>Breaker Test</u>
ISIP: <u>350</u>	pad	2500	
5 min: <u>238</u>	1 ppg	2450	
10 min: <u>223</u>	2 ppg	2150	
15 min: <u>204</u>	3 ppg	1950	
	4 ppg	1950	

17 cps break in 36 mins.

Job Complete at: 8:26 hrs. Date: 9/1/00 Start flow back: N/A
Total Fluid Pumped: 598
Total Sand Pumped: 57,100 Total Sand on Formation: 55,958
Total Nitrogen Pumped: N/A

Notes: