

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)

1265' FNL, 1095' FWL

Sec. 3-T29N-R14W

5. Lease Designation and Serial No.

SF-079968

6. Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

WF Federal 3-1

9. API Well No.

30-045-30202

10. Field and Pool, or Exploratory Area

Twin Mounds 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

☐

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

☐

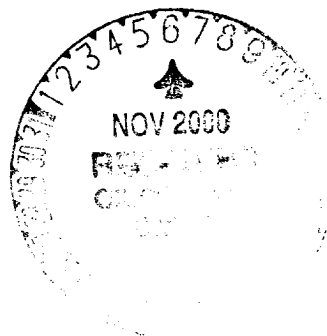
Dispose Water

(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 Colby*

Title: Land Manager

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by:

Title:

Date:

NOV 01 2000

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.

FARMINGTON FIELD OFFICE  
BY *[Signature]*

# RICHARDSON OPERATING COMPANY

## FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: WF Federal 3-1  
Date: August 17, 2000  
Field: Pictured Cliffs Location: 3-29N-14W County: San Juan State: NM  
Stimulation Company: Schlumberger Supervisor: \_\_\_\_\_

Stage #: 1/1

Sand on location (design): 56,804 Weight ticket: 56,804 Size/type: 20/40 Arizona Sand

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

### Perforations

Depth: 985'-995' Total Holes: 40 PBTD: 1147.35

Shots per foot: 4 EHD: 0.41

### Breakdown

Acid: 500

Balls: N/A

Pressure: 625 Rate: 3

### Stimulation

ATP: 599 AIR: 24

MTP: 1877 MIR: 31.3

	Sand Stage	Pressure	Breaker test
ISIP: <u>526</u>	pad	595	
5 min: <u>449</u>	1 ppg	595	
10 min: <u>394</u>	2 ppg	586	
15 min: <u>353</u>	3 ppg	577	
	4 ppg	558	
			break in 53 mins.

Job Complete at: 16:26 hrs. Date: 8/17/00 Start flow back: N/A

Total Fluid Pumped: 683 bbls

Total Sand Pumped: 56,804 Total Sand on Formation: 57,431

Total Nitrogen Pumped: N/A

Notes: