

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)**

2130' FNL, 575' FEL

Sec. 25-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 25-1

**9. API Well No.**

30-045-30681

**10. Field and Pool, or Exploratory Area**

Fruitland Coal & Harp PC

**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: *[Signature]*

Title: Operations Manager

Date: 2/22/02

(This space for Federal or State office use)

Approved by: \_\_\_\_\_

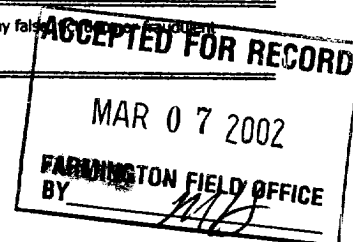
Title: \_\_\_\_\_

Date: \_\_\_\_\_

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 statements or representations as to any matter within its jurisdiction.

\* See Instructions on Reverse Side



# RICHARDSON OPERATING COMPANY

## FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: WF Federal 25-1  
Date: 2/25/02  
Field: Pictured Cliffs Location: 25-30N-14W County: San Juan State: NM  
Stimulation Company: American Energy Supervisor: John Durham

Stage #: 1/1

Sand on location (design): 30,000 Weight ticket: 30,000 Size/type: 20/40 Brady Sand

Fluid on location: No. of Tanks: 4 Strap: 20 Amount: 1600 Usable: 1520

### Perforations

Depth: 1184-1194' Total Holes: 40 PBTD: 1212'  
Shots per foot: 4 EHD: 0.38

### Breakdown

Acid: 500 Gal. 15% HCL  
Balls: N/A  
Pressure: 509 Rate: 3.5

### Stimulation

ATP: 722 AIR: 35.4  
MTP: 936 MIR: 35.4

	Sand Stage	Pressure	Breaker test
ISIP: <u>450</u>	pad	910	
5 min: <u>      </u>	1 ppg	817	break in 27 min
10 min: <u>307</u>	2 ppg	783	14 CPS
15 min: <u>0</u>	3 ppg	936	
	4 ppg	901	

Job Complete at: 6:58 hrs. Date: 11/21/01 Start flow back: N/A

Total Fluid Pumped: 24,712

Total Sand Pumped: 15,000 Total Sand on Formation: 14,000

Total Nitrogen Pumped: 0

Notes: 12/4/01 Well Flowing 90# behind 1/2" choke- 563 MCF. 72 Water

