

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

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)

1021'FNL, 1940'FWL

27-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 27-2

## 9. API Well No.

30-045-30689

## 10. Field and Pool, or Exploratory Area

Harper Hill Fuitland Sand 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.)<sup>a</sup>

Well was completed per attached report.

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

Signed: *John White*

Title: Operations Manager

Date: January 18, 2002

(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, fictitious or fraudulent

statements or representations as to any matter within its jurisdiction.

*MH*

# RICHARDSON OPERATING COMPANY

## FRACTURE TREATMENT REPORT

Operator: RICHARDSON OPERATING CO. Well Name: WF FEDERAL  
 Date: 11/21/01 Location: 27-2 County: SAN JUAN State: NM  
 Field: P.C. Supervisor: JOHN DURHAM  
 Stimulation Company: AMERICAN ENERGY

Tag #: \_\_\_\_\_  
 and on location (design): 50,800 Weight ticket: 50,900 Size/type: 20/40 BRADY  
 Build on location: No. of Tanks: 3 Strap: 20 Amount: 1200 Usable: 1140

Perforations  
 Depth: 1093'-1103 Total Holes: 40 PBTD: 1219'  
 Shots per foot: 4 EHD: 0.38

Breakdown  
 Acid: 500 GAL 15% HCL  
 Bais: N/A  
 Pressure: 450 Rate: 4.5 BPM

Stimulation  
 ATP: 705 AIR: 35.5 BPM  
 MTP: 880 MIR: 36 BPM

	Sand Stage	Pressure	Breaker test
ISIP: <u>530</u>	pad	840	<u>16 CPS</u> <u>BREAK 30 MINS.</u>
5 min: _____	1 ppg	840	
10 min: _____	2 ppg	850	
15 min: <u>499</u>	3 ppg	820	
	4 ppg	800	

Job Complete at: 15:01 hrs. Date: 11/27/01 Start flow back: N/A  
 Total Fluid Pumped: 636 BBLS  
 Total Sand Pumped: 50,800 Total Sand on Formation: 50,200  
 Total Nitrogen Pumped: \_\_\_\_\_

Notes: 12/3/01 WEWLL FLOWING 60# BEHIND A 1/2" CHOKE-375 NCF 72 WATER

*[Signature]*