

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

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Gas Well

**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)**

1830' FSL, 1060' FWL

4-T29N-R14W

**5. Lease Designation and Serial No.**

NM SF-079968

**6. If Indian, Allottee or Tribe Name**

**7. If Unit or CA, Agreement Designation**

**8. Well Name and No.**

Ropco 4-3

**9. API Well No.**

30-045-30394

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

Basin Fruitland Coal

**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.)\*

Well was completed per attached treatment report

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

Signed: *[Signature]*

Title: Operations Manager

Date: *[Date]*

(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.

**ACCEPTED FOR RECORD**

**MAR 11 2002**

**ARMINGTON FIELD OFFICE**

BY *[Signature]*

# RICHARDSON OPERATING COMPANY

## FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: Ropco 4-3  
Date: 2/25/02  
Field: Basin Fruitland Coal Location: 4-29N-14W County: San Juan State: NM  
Stimulation Company: American Energy Supervisor: John Durham

Stage #: 1/1

Sand on location (design): 28,000 Weight ticket: 28,000 Size/type: 20/40 Brady Sand

Fluid on location: No. of Tanks: 2 Strap: 40 Amount: 800 Usable: 770

### Perforations

Depth: 680'-784' Total Holes: 114 PBTD: 891'  
Shots per foot: 3,2,2 EHD: 0.38

### Breakdown

Acid: 500 Gal. 15% HCL  
Balls: N/A  
Pressure: 750 Rate: 2.5 BPM

### Stimulation

ATP: 1200 AIR: 35.2  
MTP: 1620 MIR: 36.1

	Sand Stage	Pressure	Breaker test
ISIP: <u>701</u>	pad	1620	
5 min: <u>610</u>	1 ppg	1500	12 cps
10 min: <u>637</u>	2 ppg	1330	break 35 min
15 min: <u>620</u>	3 ppg	1270	
	4 ppg	1150	

Job Complete at: 3:50 hrs. Date: 11/16/01 Start flow back: N/A

Total Fluid Pumped: 532

Total Sand Pumped: 28,000 Total Sand on Formation: 26,980

Total Nitrogen Pumped: NA

Notes: