

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)

1655' FSL, 1570' FWL

Sec. 5-T29N-R14W

5. Lease Designation and Serial No.

SE-079968

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

WF Federal 5-2

9. API Well No.

30-045-29853

10. Field and Pool, or Exploratory Area

Twin Mounds PC/Basin Fruitland Coal

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

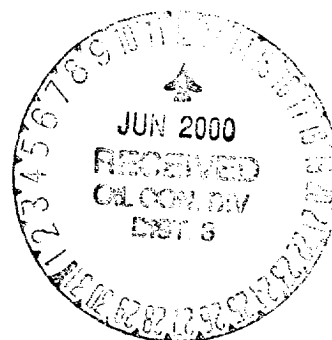
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Surface Casing/Cementing
☒ Other: see below

- ☐ 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 Colby

Title: Land Manager

ACCEPTED FOR RECORD

Date: 5/3/00

(This space for Federal or State office use)

Approved by:

Title:

Date:

JUN 09 2000

Conditions of approval, if any:

FARMINGTON FIELD OFFICE

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 5-2
Date: 3/2/00
Field: Twin Mounds PC Location: 5-29N-14W County: San Juan State: NM
Stimulation Company: American Energy Supervisor: _____

Stage #: 1/2

Sand on location (design): 31,800 Weight ticket: _____ Size/type: 20/40 Brady Sand

Fluid on location: _____ No. of Tanks: _____ Strap: _____ Amount: _____ Usable: _____

Perforations

Depth: 724'-734' Total Holes: 40 PBTD: 818'
Shots per foot: 4 EHD: 0.38

Breakdown

Acid: 200 gals
Balls: N/A
Pressure: _____ Rate: 2.2

Stimulation

ATP: 1700# AIR: 30.5 bpm
MTP: 3100# MIR: 30.0 bpm

	Sand Stage	Pressure	Breaker test
ISIP: <u>400#</u>	pad	1470#	14 cps
5 min: <u>400#</u>	1 ppg	1700#	break in 41 min.
10 min: <u>387#</u>	2 ppg	1600#	
15 min: <u>384#</u>	3 ppg	1500#	
	4 ppg	1400#	

Job Complete at: 8:03 hrs. Date: 3/2/00 Start flow back: N/A
Total Fluid Pumped: _____
Total Sand Pumped: _____ Total Sand on Formation: 31,800
Total Nitrogen Pumped: N/A

Notes:

RICHARDSON OPERATING COMPANY

FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: WF Federal 5-2
Date: 3/9/00
Field: Basin Fruitland Coal Location: 5-29N-14W County: San Juan State: NM
Stimulation Company: American Energy Supervisor: _____

Stage #: 2/2

Sand on location (design): _____ Weight ticket: 70,460 Size/type: 20/40 Brady Sand

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

Perforations

Depth: 700'-714' Total Holes: 56 PBTD: 818'
Shots per foot: 4 EHD: 0.38

Breakdown

Acid: 350 gals
Balls: N/A
Pressure: 300# Rate: 2.2

Stimulation

ATP: 1300# AIR: 30.2 bpm
MTP: 1400# MIR: 31 bpm

	Sand Stage	Pressure	Breaker test
ISIP: <u>460#</u>	pad	1000#	14 cps
5 min: <u>430#</u>	1 ppg	1200#	break in 37 min
10 min: <u>400#</u>	2 ppg	1300#	
15 min: <u>350#</u>	3 ppg	1300#	
	4 ppg	1200#	

Job Complete at: 14:50 hrs. Date: 3/9/00 Start flow back: N/A
Total Fluid Pumped: _____
Total Sand Pumped: _____ Total Sand on Formation: 70,460
Total Nitrogen Pumped: N/A

Notes: