

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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)

1010' FSL, 920' FWL

Sec. 29-T30N-R14W

5. Lease Designation and Serial No.

NMNM-97843

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

WF Federal 29-3

9. API Well No.

30-045-30347

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

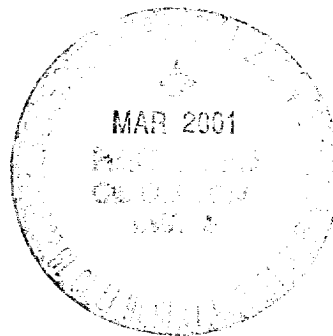
(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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

2001 MAR 23 PM 1:20



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

Signed: Cathleen Colby

Title: Land Manager

ACCEPTED FOR RECORD
Date: 3-21-01

(This space for Federal or State office use)

Approved by: _____

Title: _____

Date: _____

Conditions of approval, if any: _____

MAR 27 2001

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 29-3
 Date: 01/22/2001
 Field: Twin Mounds PC Location: 29-30N-14W County: San Juan State: NM
 Stimulation Company: American Energy Services Supervisor: John Durham

Stage #: 1/2

Sand on location (design): 65,860 Weight ticket: 65,860 Size/type: 20/40 Brady

Fluid on location: No. of Tanks: 2 Strap: 40' Amount: 880 bbls Usable: 840 bbls

Perforations

Depth: 951'-960' Total Holes: 36 PBDT: 1065' GL
1070' KB
 Shots per foot: 4 EHD: 0.42

Breakdown

Acid: 500 gals
 Balls: N/A
 Pressure: # 2300 Rate: 3 barrels/minute

Stimulation

ATP: # 1135 AIR: 38.6 bpm
 MTP: # 2300 MIR: 38.9 bpm

	Sand Stage	Pressure	Breaker test
ISIP: <u>750#</u>	pad	1230#	11 cps
5 min: <u>650#</u>	1 ppg	1170#	break in 30 min
10 min: <u>620#</u>	2 ppg	1150#	
15 min: <u>600#</u>	3 ppg	1110#	
	4 ppg	1100#	

Job Complete at: 1620 hrs. Date: 01/24/2001 Start flow back: N/A
 Total Fluid Pumped: 32,928 gals 784 bbls
 Total Sand Pumped: 65,860 Total Sand on Formation: 63,140
 Total Nitrogen Pumped: NA

Notes:

RICHARDSON OPERATING COMPANY

FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: WF Federal 29-3
 Date: 02/04/2001
 Field: Fruitland Coal Location: 29-30N-14W County: San Juan State: NM
 Stimulation Company: American Energy Services Supervisor: John Durham

Stage #: 2/2

Sand on location (design): 76,180 Weight ticket: 76,180 Size/type: 20/40 Brady

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

Perforations

Depth: 936'-947' Total Holes: 44 PBTD: 1065' GL
1070' KB
 Shots per foot: 4 EHD: 0.41

Breakdown

Acid: 500 gals
 Balls: N/A
 Pressure: # 1300 Rate: 3 barrels/minute

Stimulation

ATP: # 1350 AIR: 37 bpm
 MTP: # 1500 MIR: 37 bpm

	Sand Stage	Pressure	Breaker test
ISIP: <u>740#</u>	pad	1500#	17 cps
5 min: <u>640#</u>	1 ppg	1420#	break in 30 min
10 min: <u>590#</u>	2 ppg	1380#	
15 min: <u>560#</u>	3 ppg	1300#	
	4 ppg	1200#	

Job Complete at: 1544 hrs. Date: 02/04/2001 Start flow back: N/A

Total Fluid Pumped: 30,912 gals 736 bbls

Total Sand Pumped: 76,180 Total Sand on Formation: 75,600

Total Nitrogen Pumped: NA

Notes: