

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 019219

3. Address and Telephone No.

1700 Lincoln St Suite 1700 Denver Colorado 80203 (303) 830-8000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1041' FSL & 1136' FEL, Sec. 6, T29N, R14W

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
NMN-89026

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bushman Federal 6-1

9. API Well No.

30-045-29459

10. Field and Pool, or Exploratory Area

Wildcat

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

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ 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 drill give subsurface locations and measured and true vertical depths for all markers 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 John C. Thompson Title Agent/ Engineer

(This space for Federal or State office use)

Approved by  
Conditions of approval, if any:

Title

Date SEP 07 1999

NMOCD

FARMINGTON FIELD OFFICE  
BY

**FRACTURE TREATMENT REPORT**

Operator: Richardson Operating Well Name: Bushman Federal #6-1  
Date: April 6, 1998  
Field: Pictured Cliffs Location: 6/19N/14W County: San Juan State: NM  
Stimulation Company: Halliburton Energy Services Supervisor: John Thompson

Stage #: 1/2

Sand on location (design): 35,000# Weight ticket: 35,143# Size/type: 20/40 Ottawa

Fluid on location : No. of Tanks: 1 Strap: 16' Amount: 320 Usable: 280

Depth: 630' - 650' Total Holes: 40 PBTID: 776'

Shots per foot: 2 spf EHD: 0.32"

Acid: n/a

Balls: n/a

Pressure: 1,157# Rate: 17 bpm

ATP: 889# AIR: 21 bpm

MTP: 1,557# MIR: 23 bpm

ISIP: 364#	pad	n/a
5 min: 324#	1 ppg	
10 min: 314#	2 ppg	
15 min: 30#	3 ppg	
	4 ppg	

Job Complete at: 11:45 hrs. Date: 4/6/98 Start flow back: 12:30 hrs. 4/6/1998

Total Fluid Pumped: 179

Total Sand Pumped: 35,143# Total Sand on Formation: 35,000#

Total Nitrogen Pumped: 126,612 scf

**Notes:**

Base Fluid: 20# linear Gel w/ "sand wedge" in 70Q foam

Signature



**FRACTURE TREATMENT REPORT**

Operator: Richardson Operating

Well Name:

Bushman Federal #6-1

Date: April 8, 1998

Field: Basin Fruitland Coal

Location: 6/19N/14W County: San Juan State: NM

Stimulation Company: Halliburton Energy Services

Supervisor:

John Thompson

Stage #: 2/2

Sand on location (design): 35,000# Weight ticket: 35,862# Size/type: 20/40 Arizona

Fluid on location: No. of Tanks: 1 Strap: 16' Amount: 320 Usable: 280

Depth: 610' - 623' &amp; 611' - 621' Total Holes: 56 PBTD: RSP @ 625'

Shots per foot: 2 spf &amp; 3 spf EHD: 0.32"

Acid: n/a

Balls: n/a

Pressure: 1,044 # Rate: 20 bpm

ATP: 865# AIR: 22 bpm

MTP: 1044# MIR: 23 bpm

n/a

ISIP: 675#

5 min: 535#

10 min: 502#

15 min: 477#

pad

1 ppg

2 ppg

3 ppg

4 ppg

Job Complete at: 17:00 hrs. Date: 4/8/98 Start flow back: 17:45 4/8/98

Total Fluid Pumped: 194

Total Sand Pumped: 35,000# Total Sand on Formation: 34,800#

Total Nitrogen Pumped: 152,121 scf

**Notes:**

Base Fluid: 20# linear Gel w/ "sand wedge" in 70Q foam

Signature

