

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation
2. Name of Operator RICHARDSON OPERATING COMPANY 019219	8. Well Name and No. WF Federal 29-1
3. Address and Telephone No. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402 505 327-4892	9. API Well No. 30-045-29737
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit B 790'FNL & 1410'FEL Section 29, T30N, R14W NMPM	10. Field and Pool, or Exploratory Area Harper Hill FR Sand PC/ Basin Fruitland Coal
	11. County or Parish, State San Juan County, N.M.

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"/> Other
	<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 markers and zones pertinent to this work.)*

WELL COMPLETED AS PER ATTACHED TREATMENT REPORTS

RECEIVED
JUL 22 1999
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
59 JUN 29 AM 8:03
070 FARMINGTON, NM

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

Signed John C. Thompson Title John C. Thompson, Agent Date 6/21/99
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

ACCEPTED FOR RECORD

JUL 20 1999

*See Instruction on Reverse Side

FARMINGTON FIELD OFFICE

FRACTURE TREATMENT REPORT

Operator: Richardson Operating Well Name: WF Federal 29-1
Date: February 28, 1999
Field: Pictured Cliffs Location: 28/30N14W County: San Juan State: NM
Stimulation Company: Dowell Supervisor: John Thompson

Stage #: 1

Sand on location (design): 40,000# Weight ticket: 40,240 Size/type: 16/30 Arizona
Fluid on location : No. of Tanks: 1 Strap: 14.5' Amount: 290 bbls Usable: 250 bbls

Perforations:
Depth: 1076' - 1094' Total Holes: 54 PBTD: 1224'
Shots per foot: 3 spf EHD: 0.30"

Breakdown:
Acid: n/a
Balls: n/a
Pressure: 2,238# Rate: 3.0 bpm

Stimulation:
ATP: 1,021# AIR: 30 bpm
MTP: 2,238# MIR: 30 bpm

	Sand Stage	Pressure	Flow Rate
ISIP: 691#	pad	1048#	
5 min: 632#	1 ppg	1122#	
10 min: 623#	2 ppg	1053#	
15 min: 623#	3 ppg	1018#	
	4 ppg	1000#	

Job Complete at: 13:30 hrs. Date: 2/28/99 Start flow back: 14:15 2/28/99
Total Fluid Pumped: 185 bbls
Total Sand Pumped: 39,151# Total Sand on Formation: 39,151#
Total Nitrogen Pumped: 107,800 scf

Notes:

Additives: Foamer - 5 gal/1000 gal
Breakers - J134 Enzyme breaker (total of 1#/1000 gal)

Frac tank heated to 80 degrees
Used 55 gal of gel to mix tank - gelled tank measured 20#
Will pump 2nd stage (Fruitland) after cleaning out PC

Signature _____

FRACTURE TREATMENT REPORT

Operator: Richardson Operating

Well Name:

WF Federal 29-1

Date: March 8, 1999

Field: Fruitland Coal

Location: 29/30N14W County: San Juan State: NM

Stimulation Company: Dowell

Supervisor:

John Thompson

Stage #: 2

Sand on location (design):

400,003

Weight ticket:

44,160

Size/type: 20/40 Arizona

Fluid on location : No. of Tanks:

1

Strap:

18'

Amount:

360 bbls

Usable:

320 bbls

Depth:

1053' - 1066'

Total Holes:

39

PBTD:

RBP @ 1072'

Shots per foot:

3 spf

EHD:

0.30"

Acid:

n/a

Balls:

n/a

Pressure:

1,254#

Rate:

2.8 bpm

ATP:

1,511#

AIR:

20 bpm

MTP:

3,149#

MIR:

26 bpm

ISIP:

664#

5 min:

618#

10 min:

591#

15 min:

572#

pad

1360#

1 ppg

1230# - 3100#

2 ppg

1670#

3 ppg

1584#

4 ppg

1450#

n/a

Job Complete at:

12:00 hrs.

Date:

3/6/99

Start flow back:

13:00 hrs. 3/6/99

Total Fluid Pumped:

196

Total Sand Pumped:

44,000#

Total Sand on Formation:

43,162#

Total Nitrogen Pumped:

185,400 scf

Notes:

Additives: Foamer - 5 gal/1000 gal

Breakers - J134 Enzyme (total of 1#/1000 gal)

Frac tank heated to 80 degrees

Brought fluid rate up to 10 bpm during 1 ppg stage due to high pressure increase

Signature