

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

WELL API NO. 30-045-30077	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. B-11242-47 & V-4832	
7. Lease Name or Unit Agreement Name WF State 16	
<p>SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)</p> <p>1. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other</p> <p>2. Name of Operator Richardson Operating Company #019219</p> <p>3. Address of Operator 1700 Lincoln Street, Suite 1700, Denver, CO 80203</p> <p>4. Well Location Unit Letter <u>C</u> : <u>1035</u> feet from the <u>North</u> line and <u>1330</u> feet from the <u>West</u> line Section <u>16</u> Township <u>30N</u> Range <u>14W</u> NMPM San Juan County</p> <p>10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5637'</p>	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

- ☐ PERFORM REMEDIAL WORK
☐ TEMPORARILY ABANDON
☐ PULL OR ALTER CASING
☐ OTHER:
- ☐ PLUG AND ABANDON
☐ CHANGE PLANS
☐ MULTIPLE COMPLETION

SUBSEQUENT REPORT OF:

- ☐ REMEDIAL WORK ☐ ALTERING CASING
☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT
☐ CASING TEST AND CEMENT JOB
☒ OTHER: see attached

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Well completed as per attached treatment report

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John Whisler TITLE Operations Manager DATE 1/23/02Type or print name John WhislerTelephone No. 303-830-8000

(This space for State use)

OFFICIAL SIGNED BY GAYL T. PERALTA

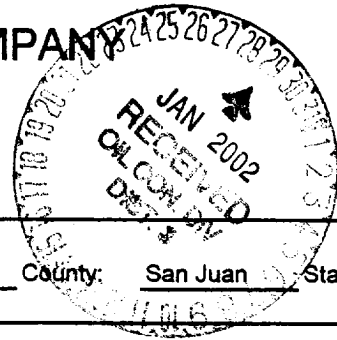
APPROVED

BY _____ TITLE _____ DATE JAN 29 2002

Conditions of approval, if any:

RICHARDSON OPERATING COMPANY

FRACTURE TREATMENT REPORT



Operator: Richardson Operating Company Well Name: WF STATE 16-4
 Date: _____
 Field: HARPER HILL FR SAND PC Location: 16 - 30N - 14W County: San Juan State: NM
 Stimulation Company: American Energy Services Supervisor: John Durham

Stage #:

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

Fluid on location: No. of Tanks: 2 Strap: 40 Amount: 532 Usable: 700

Perforations

Depth: 1180-1188 Total Holes: 32 PBTD: 1369
 Shots per foot: 4 SPF EHD: .42"

Breakdown

Acid: 500 gals
 Balls: None
 Pressure: 700 Rate: 38 BPM

Stimulation

ATP: 720# AIR: 38
 MTP: 1280# MIR: 41

	Sand Stage	Pressure	Breaker test
ISIP: <u>390</u>	pad	710	
5 min: <u>310</u>	1 ppg	720	
10 min: <u>280</u>	2 ppg	660	
15 min: <u>250</u>	3 ppg	650	
	4 ppg	640	

Job Complete at: 9.00 hrs. Date: 5/9/2001 Start flow back: _____

Total Fluid Pumped: 532

Total Sand Pumped: 40,000# Total Sand on Formation: 40,000#

Total Nitrogen Pumped: None

Notes: