

State of New Mexico  
Energy, Minerals and Natural Resources

## OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

WELL API NO. 30-045-29950	
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	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)	
1. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator Richardson Operating Company      #019219	
3. Address of Operator 1700 Lincoln Street, Suite 1700, Denver, CO 80203	
4. Well Location Unit Letter <u>B</u> : <u>900</u> feet from the <u>North</u> line and <u>1745</u> feet from the <u>East</u> line  Section <u>16</u> Township <u>30N</u> Range <u>14W</u> NMPM San Juan County	
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5710' GR	

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

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 Cathleen Colby TITLE Land Manager DATE 2/10/00Type or print name Cathleen Colby Telephone No. 303-830-8000

(This space for State use)

APPROVED BY ORIGINAL SIGNED BY CHARLIE T. PETERINDEPUTY OIL & GAS INSPECTOR, DIST. 30 DATE FEB 14 2000

Conditions of approval, if any:

# RICHARDSON OPERATING COMPANY

## FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: WF State 16-2  
Date: 12/20/99  
Field: Harper Hill Fr Sand PC Ext. Location: 16-30N-14W County: San Juan State: NM  
Stimulation Company: Halliburton/Dowell Supervisor: John Durham

Stage #: 1/2

Sand on location (design): 42,000 Weight ticket: 29,018 Size/type: 20/40 Arizona

Fluid on location: No. of Tanks: 5 Strap: 18'6" Amount: 1860 bbls Usable: 1700

### Perforations

Depth: 1292'-1300' Total Holes: 32 PBTD: 1375'  
Shots per foot: 4 EHD: 0.36

### Breakdown

Acid: NA  
Balls: NA  
Pressure: 1566# Rate: 2 bpm

### Stimulation

ATP: 585# AIR: 16.8 bpm  
MTP: 1566# MIR: 32.6 bpm

	Sand Stage	Pressure	Breaker test
ISIP: <u>421#</u>	pad	1566#	21 cps
5 min: <u>375#</u>	1 ppg	1877#	break in 47 min
10 min: <u>357#</u>	2 ppg		
15 min: <u>339#</u>	3 ppg		
	4 ppg		

Job Complete at: 12:00 hrs. Date: 12/14/99 Start flow back: 12/14/99

Total Fluid Pumped: 20,472 gals 487 bbls

Total Sand Pumped: 29,018 Total Sand on Formation: 28,682

Total Nitrogen Pumped: NA

### Notes:

Frac tanks heated to 80 degrees  
cut 5.0 ppg short due to equip failure

# RICHARDSON OPERATING COMPANY

## FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: WF State 16-2  
Date: 12/20/99  
Field: Basin Fruitland Coal Location: 16-30N-14W County: San Juan State: NM  
Stimulation Company: Halliburton/Dowell Supervisor: John Durham

Stage #: 2/2

Sand on location (design): 45,000 Weight ticket: 45,000 Size/type: 20/40 Arizona

Fluid on location: No. of Tanks: 5 Strap: 45 Amount: 900 Usable: 750

### Perforations

Depth: 1274'-1282' Total Holes: 32 PBTD: 1375'  
Shots per foot: 4 EHD: 0.36

### Breakdown

Acid: NA  
Balls: NA  
Pressure: NA Rate: NA

### Stimulation

ATP: 1922# AIR: 21.5  
MTP: 3076# MIR: 31.6 bpm

	<u>Sand Stage</u>	<u>Pressure</u>	<u>Breaker test</u>
	pad		18 cps
ISIP: <u>1346#</u>	1 ppg		break in 36 min
5 min: <u>980#</u>	2 ppg		
10 min: <u>874#</u>	3 ppg		
15 min: <u>819#</u>	4 ppg		

Job Complete at: 11:00 hrs. Date: 12/20/99 Start flow back: NA

Total Fluid Pumped: 24,903 gals 592 bbls

Total Sand Pumped: 45,000 Total Sand on Formation: 44,640

Total Nitrogen Pumped: NA

Notes: