

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>(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</p> <p>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.) <u>5637' GR</u></p>		WELL API NO. 30-045-30077
		3. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
		6. State Oil & Gas Lease No. B-11242-47; B11571-54; E-3149-6
7. Lease Name or Unit Agreement Name WF State 16		

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 John Durham TITLE Field Superintendent DATE 04/10/01Type or print name John Durham Telephone No. 505 564-3100

(This space for State use)

APPROVED BY STEVEN J. HAYDEN

BY _____

Conditions of approval, if any:

TITLE _____ DATE _____

DEPUTY OIL & GAS INSPECTOR, DIST. 4

APR 19 2001

RICHARDSON OPERATING COMPANY

FRACTURE TREATMENT REPORT

Operator: Richardson Operating Company Well Name: WF State 16-4
Date: 1/24/2001
Field: Harper Hills FR Sand PC Location: 16-30N-14W County: San Juan State: NM
Stimulation Company: American Energy Services Supervisor: John Durham

Stage #: 1 of 1

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

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

Perforations

Depth: 1180' - 1188' Total Holes: 32 PBTD: 1369'
Shots per foot: 4 EHD: 0.42

Breakdown

Acid: 500 gal @ 6bbl / min
Balls: NA
Pressure: 710 Rate:

Stimulation

ATP: 665 AIR: 39.9
MTP: 710 MIR: 41.6

	Sand Stage	Pressure	Breaker test
ISIP: <u>390</u>	pad	710	17 cps
5 min: <u>310</u>	1 ppg	720	break in 47 min
10 min: <u>280</u>	2 ppg	660	
15 min: <u>250</u>	3 ppg	650	
	4 ppg	650	

Job Complete at: 12:02 hrs. Date: 1/24/2001 Start flow back: NA

Total Fluid Pumped: 22,344 532 bbls

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

Total Nitrogen Pumped: NA

Notes: