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4 NMOCC, 1 Redfern & Herd, 1 Pioneer, 1 File

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103  
(Rev 3-55)

# MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company <b>Redfern and Herd, Inc.</b>				Address <b>Box 1747, Midland, Texas</b>		
Lease <b>Hartman</b>	Well No. <b>1</b>	Unit Letter <b>G</b>	Section <b>31</b>	Township <b>29N</b>	Range <b>11W</b>	
Date Work Performed		Pool <b>Basin - Dakota</b>			County <b>San Juan</b>	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain):  
☐ Plugging
 ☐ Remedial Work

## Frac Information

Detailed account of work done, nature and quantity of materials used, and results obtained.

Spotted 250 gal. M.S.A. Rigged up Jet Tech, ran Gamma Ray correlation log, Perf 2 jets per ft., 6070-6082, Frac with Halliburton 2 1/2 HT-400 trucks, 6000 gal water, no sand, breakdown 2600, I.F. 3400 - pressure increased to 4500 psi - shut down - Av. I.R. 21 BPM Perf 2 jets per ft 6008-6034, Frac with 2 1/2 HT-400 trucks, 60,000# 20-40 sand, 800 gal water on breakdown -66,600 gal water to frac, 5,900 gal water to flush. Total fluid used 73,300 gal with 2 1/2# FR-2 per 1,000 gal fluid. Breakdown 1000 psi, I.F. 3000 psi, Av. 2700 psi, Min 2600 psi, Final 2800 psi, Instant shut in 1400 psi, 10 minute shut in 900 psi, Av. I.R. 42.5 BPM. Set Go Bridge Plug at 5990. Perf 2 jets per ft. 5932-42 and 5952-62 - had communication around bridge plug. Frac with 2 1/2 HT 400 trucks - 30,000# 20-40 sand, 800 gal water to breakdown, 41,200 gal water to frac, 5,000 gal water to flush - Total fluid used 47,000 gal water with 2 1/2# FR-2 per 1000 gal I.F. 2600, Av. 3,000, Min 2600, Max 3800, Final 3800, Instant shut in 1500 psi, 5 minute shut in 1000 psi, ave treating I.R. 34 BPM, Av Flush I.R. 29.7 BPM Ave Overall I.R. 32.2 BPM. Drilled bridge plug at 5990', cleaned out to 6105'.

Witnessed by <b>T. A. Dugan</b>	Position <b>Engineer</b>	Company <b>Redfern and Herd, Inc.</b>
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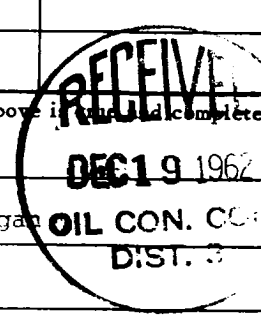
FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

## ORIGINAL WELL DATA

Depth Elev. <b>5379 G.L.</b>	T D <b>6145</b>	P BTD <b>6105</b>	Producing Interval	Completion Date <b>10-18-62</b>
Casing Diameter <b>2 3/8"</b>	Casing Depth <b>6010</b>	Casing String Diameter	Casing String Depth	
Perforated Interval(s) <b>6070-6082, 6008-6034, 5932-42, 5952-62</b>				
Open Hole Interval		Producing Formation(s) <b>Dakota</b>		

## RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by <b>A. R. KENDRICK</b>	Name <b>Original signed by T. A. Dugan</b>		
Title <b>PETROLEUM ENGINEER DIST. NO. 3</b>	Position <b>Consulting Engineer</b>		
Date <b>DEC 19 1962</b>	Company <b>Redfern and Herd, Inc.</b>		