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1-Redfern

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 Redfern & Herd, Inc.				Address Box 1747, Midland, Texas			
Lease Airport	Well No. 2	Unit Letter P	Section 8	Township 29N	Range 13W		
Date Work Performed August, 1961	Pool Basin-Dakota			County San Juan			

THIS IS A REPORT OF: (Check appropriate block)

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

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

PBTB 5954 - pressure tested casing and BOP with 4000 psi - spotted 250 gallons break-down acid - pulled tubing - rigged up B.J., ran gamma ray correlation log - ran gauge ring. Perf with B.J. two super dyna jets per foot, 5924-18, 5869-62, 5854-48, 5844-40, 5830-20. Frac first stage with Dowell using 4 Allison's, 30 balls, 30,000# 20-40 sand, 1500 gallons water to breakdown, 32,100 gallons water to frac, 5,300 gallons water to flush. Total fluid 38,900 gallons water with 2# J-100 per 1000 gallons water. Breakdown Pressure 1400 psi, IF 2800 psi, Av. 2300 psi, Min. 2100, Max. 2800, Final 2800, Instant Shut-in 1300 psi, 5-minute Shut-in 1100 psi, Av. IR 38.4 BPM. Drop balls in three stages of 10 balls each, had no pressure increase on first two stages, had 100 psi pressure increase on third stage. Ran Baker Mag. plug on B.J. line - when plug was at 2900' line shorted out, started to pull plug - plug caught in each casing collar - worked plug up hole to 248' - plug hung up - pulled out of rope socket - went in hole with overshot, recovered setting tool - released pressure above plug - plug set. Went in hole with Abrasi jet tool - circulated 15% HCL through Abrasi jet tool and dissolved plug - went in hole with bit, knocked plug loose - unable

Witnessed by T. A. Dugan	Position Engineer	Company Redfern & Herd, Inc.
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FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA				
D F Elev.	T D	PBTB	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

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 Original Signed Emery C. Arnold		Name Original signed by T. A. Dugan	
Title Supervisor Dist. # 3		Position Engineer	
Date SEP 25 1961		Company Redfern & Herd, Inc.	

KLL
 SEP 25 1961
 OIL CONSERVATION
 DIST. 3

to feel plug - pulled tubing - displaced hole with 140 bbls. water to pump plug down hole, ran gauge ring on B.J. line.

WID 5954 - hit plug with gauge ring at 600' - unable to push plug down hole, tool six. hours to work plug down hole - set Baker Mag. Bridge plug at 5000'. Perf with B.J. two-stage dyna jets per foot, 5764-5742. Waited four hours to complete Sunday services and wedding at Mission. Free second stage with Dowell using four Allison, 50,000# 20-40 sand, 1,000 gallons water to breakdown, 51,900 gallons water to free, 5,700 gallons water to flush. Total fluid used 58,600 gallons with 2# J-100 per 1000 gallons water. Breakdown Pressure 1300 psi, IF 2700 psi, Max. 3100 psi, Min. 2300 psi, Shut-in Pressure 1400 psi, 5-minute Shut-in 1200 psi, av. IF 37 MP.

Ran 135 joints 2-3/8" O.D., 4.7, J-55, Std, 100 tubing, T... 5852.17 set at 5862 TFB.

STATE OF NEW MEXICO	
OIL AND GAS COMMISSION	
DIVISION OF OIL AND GAS	
N. M. REG. NO. 1234567	
DATE: 12/15/78	
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