

15-077-21038-0000

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company MCO Petroleum Corp Lease Ritter E Well No. 1

County Harper, KS Location NW 1/4 NE 1/4 Section 11 Township 34 Range 8W Acres

Field Lebanon Pool Extension Reservoir Miss Liberty Pipeline Connection None - Packer

Completion Date 10-28-84 Type Completion (Describe) 414-98 Refractor 475' Plug Back T.D. Packer Set At

Production Method: Flowing Pumping Gas Lift Type Fluid Production Oil-Gas-Sol API Gravity of Liquid/Oil 32

Casing Size 4 1/2 Weight 105 I.D. 4748 Set At Perforations 414-98 To 474-86

Tubing Size 2 3/8 Weight 47 I.D. 4714 KB Set At Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 12-1-85 Time 8:00 Ending Date 12-7-85 Time 8:00 Duration Hrs. 74

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size				
Casing: <u>130</u>			Tubing: <u>30</u>			<u>115</u>		<u>Open</u>		
Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	<u>200</u>		<u>3</u>	<u>-</u>	<u>60.17</u>	<u>3</u>	<u>6</u>	<u>70.14</u>	<u>66</u>	<u>10.07</u>
Test:										

GAS PRODUCTION OBSERVED DATA

Orifice Meter Connections				Orifice Meter Range				
Pipe Taps:		Flange Taps:		Differential:		Static Pressure:		
Measuring Device	Run-Prover-Tester Size	Orifice Size	Meter-Prover-Tester Pressure			Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (Pd)			
Orifice Meter		<u>1/2</u>			<u>115</u>	<u>3 1/2</u>	<u>1.50</u>	<u>80</u>
Critical Flow Prover								
Orifice Well Tester								

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press. (Psia) (Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
<u>1.214</u>		<u>20.06</u>	<u>1.240</u>	<u>1.000</u>	<u>1.000</u>	

Gas Prod. MCFD 30.197 Oil Prod. Bbls./Day: 10.07 Gas/Oil Ratio (GOR) = 3014 Cubic Ft. per Bbl.

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 2nd day of December 1985

For Offset Operator W. S. ... For (State) W. S. ... For Company Paul J. Hancock
 STATE CORPORATION COMMISSION

FEB 10 1986
 2-10-86
 CONSERVATION DIVISION