

STATE OF KANSAS - CORPORATION COMMISSION
 PRODUCTION TEST & GOR REPORT

15-193-20640-00-2801
 Form C-5 Revised

Conservation Division
 TYPE TEST: Initial Annual Workover Reclassification TEST DATE: 8-9-96
 Lease Well No. 1
 Company Ritchie Exploration Inc. E. Shughart
 Location Section Township Range Acres
 County Thomas SE NE NW 11 6 33N
 Field Reservoir Pipeline Connection
 LKC Koch
 Completion Date Type Completion(Describe) Plug Back T.D. Packer Set At
 7-29-96 4626
 Production Method: 5PM 6 1/2 5 6 4 Type Fluid Production API Gravity of Liquid/Oil
 Oil 36
 Flowing Pumping Gas Lift
 Casing Size Weight I.D. Set At Perforations To
 5 1/2 4651 4149-55
 Tubing Size Weight I.D. Set At Perforations To
 2 7/8 4426

Pretest: Duration Hrs.
 Starting Date Time Ending Date Time Duration Hrs.
 Test: Starting Date 8-8-96 Time 11:50 AM Ending Date 8-9-96 Time 11:50 AM 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure		Separator Pressure			Choke Size				
Casing:		Tubing:							
Bbls./In.	Tank	Starting Gauge			Ending Gauge		Net Prod. Bbls.		
	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:									
1.671 in									
Test:	250 23464	1	1 1/2		8	4 1/2			145
Test:	200 H2O	3	2		3	2		0-	

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							
Critical Flow Prover			Lease Use				
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)

Gas Prod. MCFD Flow Rate (R): Oil Prod. Bbls./Day: 145 Gas/Oil Ratio (GOR) = 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 9 day of August 1996

For Offset Operator: Maurin Miller For State: Douglas Brimmer For Company