

STATE OF KANSAS - CORPORATION COMMISSION  
PRODUCTION TEST & GOR REPORT

Conservation Division Form C-5 Revised

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: 5-16-88

Company: Horton Anderson Lease: Wellman Well No.: 1

County: Rice Location: SE Section: 33- Township: 21 Range: 9 Acres: 1

Field: Wellman Reservoir: Pipeline Connection: Filled Crude

Completion Date: 5-1-88 Type Completion(Describe): Plug Back T.D. Packer Set At

Production Method: Type Fluid Production: Oil & Gas API Gravity of Liquid/Oil

Flowing Pumping Gas Lift Casing Size Weight I.D. Set At Perforations To

Tubing Size Weight I.D. Set At Perforations To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 5-16-88 Time 10:00 Ending Date 5-17-88 Time 10:00 Duration Hrs. 24 hrs

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:										
Test:	200	7788	8	-	160	9	6	190	160	30
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 In. Water	Tester Pressure In. Merc.	Pressure Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter	3"	1/4			70	110	RECEIVED	25
Critical Flow Prover							STATE CORPORATION COMMISSION	
Orifice Well Tester							MAR 21 1988	3-21-1988

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)
8.618		30.5	1.195	1.035		

Gas Prod. MCFD Flow Rate (R): 314 Oil Prod. Bbls./Day: 30 Gas/Oil Ratio (GOR) = 10.46 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 17th day of MARCH 1988

For Offset Operator: *uk* For State: *J. R. Radtke* For Company: *Robert [Signature]*