

STATE OF KANSAS - CORPORATION COMMISSION
PRODUCTION TEST & GOR REPORT

Conservation Division Form C-5 Revised

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: 2-6-86

Company: W.K. Black Lease: Studer Well No.: 4-2

County: Pratt Location: Section 9 Township 27 Range 12 Acres 120

Field: Grimes Reservoir: Miss Pipeline Connection: Inland Crude

Completion Date: Oct-22-85 Type Completion(Describe): Plug Back T.D.: 4280 Packer Set At: N/A

Production Method: Type Fluid Production: Oil API Gravity of Liquid/Oil: 42.2

Flowing Pumping Gas Lift Casing Size: 4 1/2 Weight: 10.5 I.D.: Set At 4279 Perforations: 4150 To: 4190

Tubing Size: 2 3/8 Weight: I.D.: Set At 4206 Perforations: To

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 1-6-86 Time 9:00 Ending Date 1-7-86 Time 9:00 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:	250	4479	2 7	51.90	3	6	70.27	10	18.37
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							
Critical Flow Prover							
Orifice Well Tester							

GAS FLOW RATE CALCULATIONS (R)

Coeff. (Fb)(Fp)(OWTC)	Meter-Prover Press.(Psia)(Pm)	Extension V/hw x Pm	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)

Gas Prod. MCFD Flow Rate (R): Oil Prod. Bbls./Day: 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 7th day of February 1986

For Offset Operator: [Signature] For State: [Signature] For Company: [Signature]

STATE CORPORATION COMMISSION
FEB 17 1986