

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

15109-20473-0000

Conservation Division JUL 1 1989 Form C-5 Revised

TYPE TEST: (Initial) Annual Workover Reclassification TEST DATE: 7-11-89

Company CHIEF DRILLING Co. Lease BERTRAND Well No. 1

County LOGAN Location NE-SW-SW Section 20 Township 12 Range 33E Acres

Field WILDCAT Reservoir JOHNSON Pipeline Connection

Completion Date May 89 Type Completion(Describe) Plug Back T.D. 4755 Packer Set At

Production Method: SPM 8 1/4 LS-64" Type Fluid Production API Gravity of Liquid/Oil

Flowing (Pumping) Gas Lift OIL 37 @ 60

Casing Size 4 1/2 Weight I.D. Set At 4769 Perforations To 4690 4694

Tubing Size 2 3/8 Weight I.D. Set At 4746 Perforations To 4698 4702

Pretest: Starting Date Time Ending Date Time Duration Hrs.

Test: Starting Date 7-10-89 Time 10:00 AM Ending Date 7-11-89 Time 10:00 AM Duration Hrs. 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:										
1.67/in.										
Test:	200	144699	1	10		2	10		2	20
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 /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 July day of 11 1989

For Offset Operator *Maxwell Miller* For State For Company *Randy Lodenburger*