

STATE OF KANSAS - CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

15-119-20375-00-00  
 OCT 1 1987

Conservation Division

Form C-5 Revised

TYPE TEST: Initial Annual X Workover Reclassification TEST DATE: 9-21-87

Company: Buttonwood Petroleum Lease: Burmeister Well No.: 1-17

County: Meade Location: 495' FSL, 495' FEL Section: 17 Township: 33S Range: 30W Acres: .

Field: Brind NE Reservoir: Morrow Pipeline Connection: Permian

Completion Date: 9-10-80 Type Completion (Describe): Single - Oil Plug Back T.D.: Packer Set At: None

Production Method: Flowing Pumping X Gas Lift Type Fluid Production: Oil/Water API Gravity of Liquid/Oil: 20.2 API

Casing Size: 4 1/2 Weight: 10.5# I.D.: 4.052 Set At: 6056 Perforations: To 5678-5684

Tubing Size: 2 3/8 Weight: 4.7 I.D.: 1.995 Set At: 5705 Perforations: To

Pretest: Starting Date: 9-19-87 Time: 9:30 a.m. Ending Date: 9-20-87 Time: 9:30 a.m. Duration Hrs.: 24

Test: Starting Date: 9-20-87 Time: 9:30 a.m. Ending Date: 9-21-87 Time: 9:30 a.m. Duration Hrs.: 24

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure			Separator Pressure			Choke Size			
Casing:	20	Tubing:	15		15	Pumping			
Bbls./In.	Tank	Starting Gauge			Ending Gauge			Net Prod. Bbls.	
1.67	Size Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:	300 West	3	11	78.37	4	5	88.35	1.50	9.98
Test:									
Test:	300 West	4	5	88.35	4	6	90.02	0	1.67

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 In. Water	Pressure In. Merc. Psig or (Pd)	Diff. Press. (hw) or (hd)	Gravity Gas (Gg)	Flowing Temp. (t)
Orifice Meter							
Critical Flow Prover							
Orifice Well Tester	2"	.250		1.0		Assume .700	Assume 60

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)
6.23			0.9258	1.0	--	--

Gas Prod. MCFD: 5.77 Oil Prod. Bbls./Day: 1.67 Gas/Oil Ratio (GOR) = 3455 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 5th day of October 19 87

For Offset Operator: *James R. Ray* For State  
 For Company: *Roy D. [Signature]* For Company, COMMISSION

OCT 19 1987  
 10-19-87  
 CONSERVATION DIVISION  
 Wichita, Kansas