

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6/3/81	
Company Supron Energy Corporation				Connection Southern Union Gathering Co.	
Pool Basin				Formation Dakota	
Completion Date 5/14/81		Total Depth 6660		Plug Back TD 6618	
				Elevation 5794	
Csg. Size 4.500		WT. 10.50		Set At 6659	
Perf. Size 2.375		WT. 4.70		Set At 6382	
Type Well - Single - Firehead - G.C. or G.O. Multiple Dual - Gas - Gas				Packer Set At 6343	
Producing thru Tubing		Reservoir Temp. °F #		Baro. Press. - P ₀ 12	
L 6372		H 0.650		Prover	
				Meter Run	
				Taps	
FLOW DATA				TUBING DATA	
				CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Temp. °F
1	2"		3/4"	831	62°
2				120	
3					
4					
5					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g
1	12.3650		132	0.9981	0.9608
2					
3					
4					
5					
NO.	R ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio
1					A.P.I. Gravity of Liquid Hydrocarbons
2					Specific Gravity Separator Gas
3					Specific Gravity Flowing Fluid
4					Critical Pressure
5					Critical Temperature
RECEIVED JUN 3 1981 OIL CON. COM. DIST. 3					
P ₁ ² 843		P ₂ ² 710,649		(1) $\frac{P_c^2}{P_1^2 - P_2^2} = 1.1181$	
NO.		P ₁ ²	P ₂ ²	(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = 1.0873$	
1			75,091	AOF = 0 $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = 1722$	
2					
3					
4					
5					
Absolute Open Flow 1722		Mold # 15.025		Angle of Slope #	
				Slope, n 0.75	
Remarks					
Reviewed by Division		Conducted by		Calculated by	
				Checked by	