

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

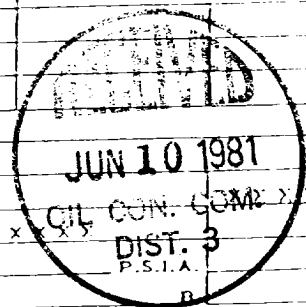
Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6/5/81	
Company Supron Energy Corporation		Connection Southern Union Gathering Co.	
Pool Basin		Formation Dakota	
Completion Date 5/29/81	Total Depth 6585	Plug Back TD 6542	Elevation 5656
Coq. Size 5.500	WI. 15.50	d 4.950	Set At 6581
Trq. Size 2.0625	WI. 3.25	d 1.750	Set At 6317
Type Well - Single - Endhead - G.C. or G.O. Multiple Dual - Gas - Oil		Packer Set At 6278	
Producing Thru Tubing	Reservoir Temp. °F #	Annual Temp. °F	Baro. Press. - P ₀ 12
L 6307	H	Co 0.700	% N ₂
		% H ₂ S	Prover
		Water Run	Topo
		County San Juan	State New Mexico

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4"				787				7 Days
1.							36	620			3 Hours
2.											
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	Super Compress. Factor, F _{sp}	Flow in Mscf
1	12.3650		48	0.9981	0.9258	1.000	548
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										



P ₁ 799	P ₂ 638.401	(1) $\frac{P_c^2}{P_1^2 - P_2^2} = 1.0270$	(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = 1.0202$
NO. 1	P ₁ 799	P ₂ 638.401	P ₁ 799
1		16,778	621,623
2.			
3.			
4.			
5.			

Absolute Open Flow 559	Mscf @ 15.025	Angle of Slope	Slope, n 0.75
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Remarks	
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Approved By Division	Conducted By	Calculated By	Checked By
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