

Attn: Steve Connor

 Telecopy to
Dallas 7-27-81

Type Test		☒ Initial		☐ Amended		☐ Special		Date: 8/20/81	
Company Supron Energy Corporation				Connection					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 7/10/81		Total Depth		Plug Back TD		Elevation		Turn of Lemo Hams USA	
Crg. Size 4.500	Wt. 10.50	d 4.052	Set At 4750	Perforations: From 4484 To 4626		Well No. 4			
Tlg. Size 1.900	Wt. 2.75	d 1.610	Set At 4546	Perforations: From To		Unit Sec. Twp. Rpt. N-24-32N-13W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g ext. .650		S CO ₂		% H ₂		% H ₂ S	
						Prover		Meter Run	
								Taps	

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							905		905		10 days
1.			.750	168		85	168	85	602		3 Hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor FL	Gravity Factor F _g	Super. Compens. Factor, F _{sp}	Rate of Flow Q, Mcf/d
1	12.3650		180	.9768	.9608	1.0000	2089
2.							
3.							
4.							
5.							

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

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1		614	376996	463893	1.8127	1.5622
2.						
3.						
4.						
5.						

Absolute Open Flow 3263 Mcf/d @ 15.025				Angle of Slope 0		Slope, n = .75	
Remarks:							

Approved By: Commissioner	Conducted By: CRW	Calculated By: <i>W. J. ...</i>	Checked By:
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