

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4/29/81			
Company Supron Energy Corporation				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 4/17/81		Total Depth 8500		Plug Back TD 7495		Elevation 6765 G	
Furn or Lease Name Jicarilla L							
Csg. Size 5.500		Wt. 17.00		Set At 4.892		Well No. 6E	
Thq. Size 1.900		Wt. 2.90		Set At 1.610		Unit Sec. Twp. Rge. I-34-25N-5W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G - G Multiple				Packer Set At 7048		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		State New Mexico	
L		H		Gg est. .650		% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Line Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.			.750	148		63	2309	63	754 (Chacra)		12 days
2.							148		754		3 Hrs.
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Compress. Factor, Fpv	Rate of Flow O. Mc/d
1.	12.365		160	.9971	.9608	1.0000	1895
2.							
3.							
4.							
5.							

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

$P_c = 2321$ $P_c^2 = 5387041$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0592$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0441$	
NO.	F ₁ ²	P _w	P _w ²	P _c ² - P _w ²		
1.	25600	549	300937	5086104		
2.						
3.						
4.						
5.						

Absolute Open Flow <u>1978</u> Mc/d @ 15.025 Angle of Slope <u>°</u> Slope, n <u>.75</u>			
Remarks: <u>Flowed surges of condensate.</u>			
Approved by Division Conducted By: Calculated By: Checked By:			