

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL.

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12/11/80	
Company Supron Energy Corp.				Connection	
Pool Basin				Formation Dakota	
Completion Date 11/26/80		Total Depth 7000		Plug Back TD	
				Elevation 5925 G	
Form or Lease Name USA					
Csq. Size 4.500	Wt. 10.50	Set At 4.052	Set At 6995	Perforations: From 6814 To 6970	
Tbg. Size 2.375	Wt. 4.7	Set At 1.995	Set At 6790	Perforations: From Open ended To	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple G - G Multiple				Packer Set At 6760	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F P				State New Mexico	
Mean Annual Temp. °F				Baro. Press. - P _a	
L	H	Gg. est. .675	% 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	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							1681 (Dakota)		1094 (Mesaverde)		15 Days
1.		.750		54		60					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 Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		66	1.0000	.9427	1.0000	769
2.							
3.							
4.							
5.							

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

P _c 1693	P _c ² 2866249	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0033$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0025$
NO. 1	P _w ² 9531	P _c ² - P _w ² 2856718	
1	4356	98	
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 771$

Oil 2000

Absolute Open Flow 771	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Well blew light fog of distillate throughout test.

Approved by Division	Conducted By: CRW	Calculated By: <i>AK Rendrick</i>	Checked By:
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