

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3/15/78			
Company Supron Energy Corporation				Connection Gas Company of New Mexico					
Pool Tapacito				Formation Pictured Cliffs				Unit	
Completion Date 2/14/78		Total Depth 5925		Plug Back TD 5881		Elevation 6994 Gr.		Farm or Lease Name Jicarilla "B"	
Gas. Size 7.625	Wt. 26.40	d 6969	Set At 3862	Perforations: From 3560 To 3570				Well No. 8	
Log. Size 4.500	Wt. 10.50	d 4.052	Set At 3693-5925	Perforations: From 3536 To 3548				Unit Sec. Twp. Rge. K 25 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 5394		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 3525	H	Gg 0.620	% 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	2"		3/4"				237		237		15 Days
1.							31	60°	121		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		43	1.0000	0.9837	1.000	523
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 _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 249	P _c ² 62,001		
NO.	P _w	P _w ²	P _c ² - P _w ²
1	133	17,689	44,312
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.3992}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.3304}$

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{696}$

Absolute Open Flow 696	Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.85
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Remarks: _____

Approved by Commission:	Conducted by: Eugene Current	Calculated by: Kenneth E. Roddy	Checked by:
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