

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 1/18/78			
Company Supron Energy Corporation						Connection Gas Company of New Mexico			
Pool Tapacito Extension						Formation Pictured Cliffs			
Completion Date 1/11/78			Total Depth		Plug Back TD		Elevation 7037 Gr		Farm or Lease Name Jicarilla "B"
Csg. Size 4.500	Wt. 9.50	d 4.090	Set At 3725	Perforations: From 3610 To 3649			Well No. 10		
Tbg. Size 1.660	Wt. 2.40	d 1.380	Set At 3617	Perforations: From 3585 To 3600			Unit A	Sec. 36	Twp. 26N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At ---		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 0		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 3575	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"				268		268		4 Days
1.							38	55°	244		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		50	1.0048	0.9837	1.000	611
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 280	P _c ² 78,400			
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²
1		256	65,536	12,864
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 6.0945$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.6471$

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2839$

Absolute Open Flow 2839	Mcf @ 15.025	Angle of Slope θ _____	Slope, n 0.85
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Remarks: _____

Approved By Commission:	Conducted By: Doyal Parret	Calculated By: Kenneth E. Roddy	Checked By:
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