

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

Form C-122
Revised 9-1965

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8/7/78				
Company SUPRON ENERGY CORPORATION						Connection Gas Company of New Mexico				
Pool Tapacito						Formation Pictured Cliffs		Unit		
Completion Date 8/7/78			Total Depth 3254		Plug Back TD 3206		Elevation 6668 Gr.		Farm or Lease Name Jicarilla "J"	
Csg. Size 4 1/2	Wt. 9.5	d	Set At 3250	Perforations: From 3094 To 3170		Well No. 15				
Tbg. Size 1 1/2"	Wt. 2.3	d	Set At 3125	Perforations: From To		Unit M Sec. 25 Twp. 26N Rge. 5W				
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico		
L	H	Gg 0.680	% 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							981		981		7 days
1.	2"		3/4"	48		48°	48	48°	659		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		60	1.0117	0.9393	1.000	705
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 _____ XXXXXXXXXX	
3.					Specific Gravity Flowing Fluid _____ XXXXXX	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	

P _c 993	P _c ² 986,049		
NO.	P _w	P _w ²	P _c ² - P _w ²
1	671	450,241	535,808
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{1.8403}}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{1.6793}}$

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{1184}}$

Absolute Open Flow 1184	Mcf @ 15.025	Angle of Slope θ	Slope, n 0.85
Remarks:			

Approved By Commission	Conducted By Bennie Brown	Calculated By John C. Rector	Checked By
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