

NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-55

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-13-78	
Company SUPRON ENERGY CORPORATION				Connection Gas Company of New Mexico	
Pool Blanco				Formation Mesaverde	
Completion Date 12-5-78		Total Depth 6315		Plug Back TD 6263	
				Elevation 7238 Gr.	
Form or Lease Name Jicarilla "G"				Well No. 4-A	
Csg. Size 7.000 4.500	Wt. 23.00 10.50	d 6.366 4.052	Set At 4143 3997-6304	Perforations: From 5572 To 6223	
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6102	Perforations: From No Perforations	
Type Well - Single - Irradiated - G.G. or G.O. Multiple Single				Facker Set At -----	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12	
L 6.088		H	Gg 0.650	Baro. Press. - P _a 12	
		% CO ₂	% N ₂	% H ₂ S	Prover
				Meter Run	Taps
County Rio Arriba				State New Mexico	

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"				900		841		7 days
1.							95	68°	550		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		107	0.9924	0.9608	1.000	1262
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.L. 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

NO.	P _c	P _w	I _w ²	P _c ² - I _w ²
1	912	562	315,844	515,900
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - I_w^2} = 1.6122$

AOH = Q $\left[\frac{P_c^2}{P_c^2 - I_w^2} \right]^n = 1806$

(2) $\left[\frac{P_c^2}{P_c^2 - I_w^2} \right]^n = 1.4307$

Absolute Open Flow	1806	Mcf @ 15.025	Angle of Slope	0.75
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Remarks: _____

Approved by Commission	Conducted by Kenneth E. Roddy	Calculated by Kenneth E. Roddy	Checked by
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