

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4-18-81			
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company					
Pool Bloomfield Ext.				Formation Chacra				Unit	
Completion Date 4-8-81		Total Depth 3100		Plug Back TD 3064		Elevation 5752		Farm or Lease Name Reid "B"	
Coq. Size 2.875	Wt. 6.50	d 2.441	Set At 3095	Perforations From 2861 To 2972		Well No. 3			
Tub. Size No Tubing	Wt.	d	Set At	Perforations From To		Unit Sec. Twp. Rge. M 31 29N 10W			
Type Well - Single - Drindhead - G.C. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F #		Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 2851	H	Gg 0.650		% 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"						1081		7 days
1.									169	68°	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, F _{sp}	Flow Q, Mcfd
1	12.3650		181	0.9924	0.9608	1.016	2168
2.							
3.							
4.							
5.							

NO.	P _i	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1										
2.										
3.										
4.										
5.										

NO.	P _i ²	P _w ²	P _i ² - P _w ²	(1) $\frac{P_c^2}{P_i^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n =$
1			51,010	1.0446	1.0332
2.					
3.					
4.					
5.					

Absolute Open Flow 2240 Mcfd @ 15.025		Angle of Slope		Slope, n 0.75	
Remarks					
Approved by Division		Conducted By David Roark		Calculated By Kenneth E. Roddy	
				Checked By	