

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-26-81	
Company SUPRON ENERGY CORPORATION		Connection Southern Union Gathering Company	
Pool Wildcat		Formation Chacra	
Completion Date 6-16-81		Total Depth 6480	Plug Back TD 6462
Casing Size 4.500		Set At 6480	Elevation 5628
Perforations From 2788 To 2899		Well No. Reid "B"	
Perforations From To		Unit Sec. Twp. Range 1-E I 31 29N 10W	
NO TUBING		Country San Juan	
Type Well - Single - Fractured - G.C. or C.O. Multiple		State New Mexico	

Producing thru Casing		Reservoir Temp. °F P	Annual Temp. °F	Baro. Press. - P _a 12	Prover	Meter Run	Topo
L	H	C _g	% N ₂	% H ₂ S			
2778		0.650					

FLOW DATA											Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _v	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	2"		3/4"			--			941		7 days
1.									322	69°	3 hours
2.											
3.											
4.											
CALCULATIONS											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor F_t	Gravity Factor F_g	Super Compress. Factor, F_{pv}	Flow q, Mscf
1	12.3650		334	0.9915	0.9608	1.032	4060
2.							
3.							
4.							
5.							

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

NO.	P _i	P _u	P _i ²	P _u ²	P _i ² - P _u ²	(1) $\frac{P_c^2}{P_i^2 - P_u^2} = 1.1850$	(2) $\left[\frac{P_c^2}{P_i^2 - P_u^2} \right]^n = 1.1357$
1	953	908,209					
2.							
3.							
4.							
5.							

Absolute Open Flow		4611	Mold # 15.025	Angle of Slope	Slope, n 0.75
Remarks					
Conducted By		Calculated By		Checked By	

