

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 7-22-81							
Company SUPRON ENERGY CORPORATION			Connection Southern Union Gathering Company								
Pool Wildcat			Formation Chacra		Unit						
Completion Date 7-2-81		Total Depth 6575		Plug Back TD 6523	Elevation 5722						
Farm or Lease Name Reid "B"					Well No. 2-E						
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6566	Perforations: From 2823 To 2935							
Thq. Size NO TUBING	Wt. d	Set At	Perforations: From To		Unit Sec. Twp. Rge. E 31 29N 10W						
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 6174							
Producing Thru Casing		Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a 12							
L 2813	H	G _g 0.650	% CO ₂	% N ₂	% H ₂ S						
Prover		Meter Run		Taps							
FLOW DATA			TUBING DATA		CASING DATA						
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	Duration of Flow
SI	2"		3/4"				825		192	63°	7 days 3 hours
1.											
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	12,3650		204	0.9971	0.9608	1.020	2465				
2.											
3.											
4.											
5.											
NO.	P _r	Temp. °R	T _r	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.						
5.					Critical Temperature _____ R						
P _c 837		P _c ² 700,569		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0816$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0606$					
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²							
1			52,848	647,721							
2.											
3.											
4.											
5.											
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2614$											
Absolute Open Flow 2614				Mcid @ 15.025		Angle of Slope @ _____					
Slope, n 0.75											
Remarks: _____											
Approved By Division		Conducted By: David Roark		Calculated By: Kenneth E. Roddy		Checked By:					

