

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-5-81			
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company					
Pool Bloomfield Ext.				Formation Chacra				Unit	
Completion Date 1-23-81		Total Depth 3045		Plug Back TD 3032		Elevation 5659		Farm or Lease Name Zachry	
Csg. Size 2.875	Wt. 6.50	d 2.441	Set At 3042	Perforations: From 2897 To 3006		Well No. 22			
Tub. Size No Tubing	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. B 33 29-N 10-W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At ----		County San Juan	
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 2887	H	G _g 0.650	% 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	
Sl	2"		3/4"						1026		7 days
1.									81	62°	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 F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		93	0.9981	0.9608	1.000	1103
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ °R

P _f 1038	P _w 1,077,444
NO. P _f ²	P _w ²
1	13,442
2.	
3.	
4.	
5.	

(1) $\frac{P_c^2}{P_w^2 - P_c^2} = 1.0126$

(2) $\left[\frac{P_c^2}{P_w^2 - P_c^2} \right]^n = 1.0094$

AOF = Q $\left[\frac{P_c^2}{P_w^2 - P_c^2} \right]^n = 1113$

Absolute Open Flow 1113	Mcf @ 15.025	Angle of Slope @	Slope, n 0.75
Remarks:			

Approved by Division	Conducted By David Roark	Calculated By Kenneth E. Roddu	Checked By
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