

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 9-17-81	
Company SUPRON ENERGY CORPORATION			Connection Southern Union Gathering Company		
Pool Bloomfield			Formation Chacra		Unit
Completion Date 4-30-80		Total Depth 3122	Plug Back TD 3080		Elevation 5763
Farm or Lease Name Angel Peak					
Csq. Size 4.500	Wt. 9.50	d 4.090	Set At 3122	Perforations: From 2875 To 2988	
Well No. 22					
Thq. Size 2.0625	Wt. 3.25	d 1.750	Set At 2940	Perforations: NO PERFORATIONS	
Unit Sec. Twp. Rge. M 7 28N 10W					
Type Well - Single - Brdhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 2836	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico					
L 2930	H	Gg 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	
SI	2"		3/4"				547				14 days
1.							61	63°			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 _{pv}	Rate of Flow Q, Mcfd
1	12.3650		73	0.9971	0.9608	1.000	865
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1			22,246	290,235
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0766$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 914$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0569$

Absolute Open Flow	914	Mcf/d @ 15.025	Angle of Slope	Slope, n	0.75
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Remarks:

Approved By Division	Conducted By: Clifton Gates	Calculated By: Kenneth E. Roddy	Checked By:
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