

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4-14-81			
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company					
Pool Wildcat				Formation Chacara				Unit	
Completion Date 4-2-81		Total Depth 3080		Plug Back TD 3027		Elevation 5825		Farm or Lease Name McClanahan "A"	
Coq. Size 2.875	Wt. 6.50	d 2.441	Set At 3058	Perforations: From 2850 To 2963		Well No. 3			
Trg. Size No Tubing	Wt.	d	Let At	Perforations: From To		Unit Sec. Twp. Rge. M 23 28-N 10-W			
Type Well - Single - Driddenhead - G.C. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F P		Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 2840	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"						1078		7 days
1.									143	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 Fg	Super Compress. Factor, Fpv	Flow Q, Mcfd
1	12.3650		155	0.9971	0.9608	1.014	1862
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 Hydrocarbon	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _r ²	P _w	P _r ²	P _r ² - P _w ²	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = \frac{1.0386}{37,486 - 1,150,614} = 1.0243$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0243$
1			37,486	1,150,614		
2.						
3.						
4.						
5.						

Absolute Open Flow 1907		Mcf @ 15.025	Angle of Slope	Slope, n 0.75
Remarks:				

Approved by Division	Conducted by David Roark	Calculated by Kenneth E. Roddy	Checked by
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