

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-5-81			
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company					
Pool Bloomfield Ext.				Formation Chacra				Unit	
Completion Date 2-20-81		Total Depth 3130		Plug Back TD 3075		Elevation 5665		Farm or Lease Name Zachry	
Coq. Size 2.875	Wt. 6.50	d 2.441	Set At 3106	Perforations: From 2810 To 2933		Well No. 25			
Tbg. Size No Tubing	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rye. M 11 28-N 10-W			
Type Well - Single - Bordenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F		Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 3096	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	
51	2"		3/4"						1036		8 days
1.									238	69°	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 F _t	Gravity Factor F _g	Flow Q, Mcfd
1	12.3650		250	0.9915	0.9608	3013
2.						
3.						
4.						
5.						

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OIL CON. COM. DIST. 3

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

P _r 1048	P _r ² 1,098,304	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = \frac{1.1008}{1.008}$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = \frac{1.0747}{1.0747}$
NO.	P _r ²	P _w ²	P _r ² - P _w ²
1			100,543
2			997,761
3			
4			
5			

Absolute Open Flow 3238		Mcf @ 15.02°	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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