

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-28-82	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company	
Pool Wildcat				Formation Chacra	
Completion Date 1-2-82		Total Depth 2912		Elevation 5572	
Casing Size 2.875		Set At 2907		Perforations: From 2680 To 2796	
Tub. Size NO TUBING		Set At		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----	
Producing Thru Casing		Reservoir Temp. °F 8		Baro. Press. - P _a 12	
Mean Annual Temp. °F		County San Juan		State New Mexico	
L 2670	H	G _g 0.620	% 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"						1001		7 days
1.									80	64°	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. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		92	0.9962	0.9837	1.000	1115
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1	1013		1,026,169		
2				12,793	1,013,376
3					
4					
5					

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

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1125$$

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

Absolute Open Flow	1125	Field @ 15.025	Angle of Slope	Slope, n	0.75
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Remarks:

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