

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 3-24-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company			
Pool Wildcat				Formation Chacra		Unit	
Completion Date 3-13-80		Total Depth 3260		Plug Back TD 3217		Elevation 5799	
Form or Lease Name Zachry							
Log. Size 4.500	Wt. 10.50	d 4.052	Set At 3260	Perforations: From 2996 To 3108		Well No. 20	
Trg. Size 1.900	Wt. 2.76	d 1.610	Set At 3135	Perforations: From No Perforations To		Unit Sec. Twp. Rge. N 33 29-N 10-W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L 3123	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"				1037		1052		9 days
1.							115	58°	640		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		127	1.0048	0.9837	1.010	1568
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 _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		652	425,104	706,992
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6013$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2232$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4235$

Absolute Open Flow 2232 Mcfd @ 15.025	Angle of Slope θ _____
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Remarks: _____

Approved By Commission:	Conducted By: Bennie Brown	Calculated By: Kenneth E. Roddy	Checked By:
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