

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 12-22-80	
Company SUPRON ENERGY CORPORATION				Connection Southern Union Gathering Company			
Pool Bloomfield Extension				Formation Chacra		Unit	
Completion Date 12-11-80		Total Depth 3070		Plug Back TD 3024		Elevation 5793	
Farm or Lease Name Angel Peak "B"		Well No. 30		Perforations: From 2860 To 2980		Set At 3056	
Csg. Size 2.875		Wt. 6.50		d 2.441		Perforations: From To	
Thq. Size No Tubing		Wt. d		Set At Perforations: From To		Unit Sec. Twp. Rge. B 13 28N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packor Set At	
Producing Thru Casing				Reservoir Temp. °F 8		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12				State New Mexico			
L 2850		H 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"						1038		7 days
1.									51	58°	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 F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		63	1.0019	0.9608	1.000	750
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	Deq.
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 _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	1050		1,102,500	6153	1,096,347
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0056$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0041$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 753$

Absolute Open Flow	753	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 0.75
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Remarks:

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