

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 4/3/80	
Company Supron Energy Corporation				Connection Southern Union Gathering Co.			
Pool Aztec				Formation Pictured Cliffs		Unit	
Completion Date 3/25/80		Total Depth 2750		Plug Back TD 2732		Elevation 6097	
Frm. Size 2.875		Wt. 6.50		Set At 2742		Perforations: From 2560 To 2613	
Tbg. Size No tubing was run		Wt. 2.441		Set At		Well No. 4	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Factor Set At -----		Farm or Lease Name Sanchez	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
L 2548		H		G _g 0.620		% CO ₂	
				% N ₂		% H ₂ S	
				Prover		Meter Run	
						Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
SI	2"		3/4"				
1.							709
2.							66
3.							60°
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		78	1.000	0.9837	1.000	949
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 _____ 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		
$P_c = 721$ $P_c^2 = 519,841$							
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0178$		
1			9109	510,732	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0150$		
2					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 963$		
3							
4							
5							
Absolute Open Flow				963		Mcf/d @ 15.025	
Angle of Slope				θ		Slope, n 0.85	
Remarks:							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
		Stanley Phillips		Kenneth E. Roddy			

