

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 12-19-77	
Company AZTEC OIL & GAS COMPANY				Connection Southern Union Gathering			
Pool Aztec				Formation Pictured Cliffs		Unit	
Completion Date 12-5-77		Total Depth 2868'		Plug Back TD 2828'		Elevation 6155' GR	
Casing Size 2.875		Wt. 6.5#		Set At 2.441 2859		Perforations: From 2728 To 2788	
Tubg. Size ---		Wt. ---		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 @		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg		State New Mexico	
				% CO ₂		County San Juan	
				% N ₂		Meter Run	
				% H ₂ S		Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	2" X 3/4"						1 hr.
2.							2 hrs.
3.							3 hrs.
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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		55.2	1.0000	.9258	1.0000	632
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. P.S.I.A. Critical Temperature _____ R R		
1.					X X X X X X X X		
2.					X X X X X		
3.							
4.							
5.							
P _c 879.2 P _c ² 772,993					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0040$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0034$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 634$		
1.		55.2	3047	769,946			
2.							
3.							
4.							
5.							
Absolute Open Flow 634 Mcfd @ 15.025					Angle of Slope @ .85		
Remarks:							
Approved by Commission:		Conducted by: Mick Ferrari		Calculated by:		Checked by:	

