

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

Form C-121
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10-24-68	
Company Aztec Oil and Gas		Connection El Paso Natural Gas Company	
Pool Aztec		Unit Reid "A"	
Completion Date 10-16-68		Total Depth 2250	
Casing Size 1 1/2" 9.5"		Elevation 5739 Gr	
Well No. 2		Farm or Lease Name Reid "A"	
Type Well - Single - Broadhead - G.G. or G.O. Multiple single		County San Juan	
Producing Thru Casing		State New Mexico	
Prover L H Gg % CO ₂ S H ₂ S		Meter Run Taps	

FLOW 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	Duration of Flow
1.	2		3/4				616		3 hr
2.							301		
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. P _m	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf
1.	12.305		313	1.000	.9258	1.037	3716
2.							
3.							
4.							
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas (Mscf) Volume of Gas Ratio	Mcf/bbl.
1.					1.000	
2.						
3.						
4.						
5.						

NO.	P ₁	P ₂	T ₁	T ₂	Z ₁	Z ₂	Formula
1.	313	301	520	510	1.000	0.999	$\left[\frac{P_1^2}{P_2^2 - P_1^2} \right]^n = 1.2371$
2.							$\left[\frac{P_1^2}{P_2^2 - P_1^2} \right]^n = 4822$
3.							
4.							
5.							

Absolute Open Flow	4822	Net G 10,000	Angle of Slope θ	Slope, n .85
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Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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