

Form C-122
Revised 9-1-65

Type Well		☒ Interval		☐ Annual		☐ Special		Test Date													
								10-2-77													
Company				Connection																	
Aztec Oil & Gas Company				El Paso Natural Gas Company																	
Well				Formation				Unit													
Blanco				Mesa Verde																	
Completion Date		Test Depth		Pig Back TD		Elevation		Farm or Lease Name													
9-22-77		5378'		5373'		6011' GR		State Com													
Gas 7.000		Wt. 20#		Set At 2950'		Perforations:		Well No.													
4.500		10.50#		2788' 5375'		From 4510' To 4801'		#1A													
Tbg. Size		Wt.		Set At		Perforations:		Unit Sec. Twp. Rge.													
2.375		4.7#		5232'		From 4858' To 5232'		E 2-29N-8W													
Type Well - Single - Brodenhead - G.G. or G.O. Multiple						Packer Set At		County													
Single						-----		San Juan													
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State													
Tbg.		@				12.2		New Mexico													
L		H		G _g		% CO ₂		% N ₂													
				.700																	
						% 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.		Temp. °F		Press. p.s.i.g.		Temp. °F		Duration of Flow	
SI																					
1.		2"		X 3/4"								201				656				1 hr	
2.												219				585				2 hrs	
3.												200				568				3 hrs	
4.												197				554					
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		12.365				209.2		1.0000		.9258		1.0000		2,395							
2.																					
3																					
4.																					
5																					
NO.		P _t		Temp. °R		T _c		Z		Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.											
1										A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.											
2.										Specific Gravity Separator Gas _____ XXXXXXXXXX											
3.										Specific Gravity Flowing Fluid _____ XXXXX											
4										Critical Pressure _____ P.S.I.A. _____ P.S.I.A.											
5.										Critical Temperature _____ R _____ R											
P _c 668.2		P _c ² 446,491																			
NO.		P _t ²		P _w		P _a ²		P _c ² - P _w ²		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5461$											
1				566.2		320,582		125,909		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5841$											
2																					
3										ADP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6,189$											
4																					
5																					
Absolute Open Flow		6,189		Mcf/d @ 15.025		Angle of Slope @		Slope, n .75													
Remarks:																					
Approved By: _____																					
Checked By: _____																					
Klee Terry																					
James Smith																					