

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		4-7-77		
Company				Connection								
Aztec Oil & Gas Company				Southern Union Gathering								
Pool				Formation				Unit				
Blanco				Mesa Verde								
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name				
3-18-77		5036'		4985		5958' GL		Culpepper Martin				
Csg. Size		Wt.		d		Set At		Perforations:		Well No.		
7.000		20#		6.456		2680'		From 4708' To 4942'		#3-A		
4.500		10.50#		4.052		2487'-5035'						
Tbg. Size		Wt.		d		Set At		Perforations:		Unit Sec. Twp. Rge.		
2.375		4.7#		1.995		4945'		From To		D 33 T32N R12W		
Type Well - Single - Bradenhead - 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		Gg		% CO ₂		% N ₂		% H ₂ S		
				.700						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							725		784			
1.	2"	X	3/4"				300		662		1 hr	
2.							284		632		2 hrs	
3.							273		601		3 hrs	
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	12.365		285.2	1.0000	.9258	1.0000	3,265					
2.												
3												
4.												
5.												
NO.	P _t	Temp. °R	T _f	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	796.2	P _c ²	633,934									
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.4579$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9630$						
1		613.2	376,014	257,920								
2												
3												
4												
5												
Absolute Open Flow	6,409	Mcf @ 15.025	Angle of Slope @	Slope, n	.75							
Remarks:												
Approved By Commission:	Conducted By:	Cliff Pistole	Calculated By:	Checked By:								