

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		8-5-77		
Company				Connection								
Aztec Oil & Gas Company				Southern Union Gathering								
Pool				Formation				Unit				
Blanco				Pictured Cliffs								
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name				
7-13-77		3381'		3363'		6561' GR		Greenbrier				
Csg. Size		Wt.		d		Set At		Perforations:		Well No.		
2.875		6.5#		2.441		3371'		From 3239' To 3326'		#1		
Teg. Size		Wt.		d		Set At		Perforations:		Unit Sec. Twp. Rge.		
--		--		--		--		From To		F 32-32N-11W		
Type Well - Single - Bradenhead - G.C. 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				
Csg.		ø				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												
1.	2"	X	3/4"						757			1 hr
2.									125			2 hrs
3.									95			3 hrs
4.									83			
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		95.2	1.0000	.9258	1.0000	1090					
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 Hydrocarbon _____ Deg.							
2.					Specific Gravity Separator Gas _____							
3.					Specific Gravity Flowing Fluid _____							
4.					Critical Pressure _____ P.S.I.A.							
5.					Critical Temperature _____ R							
P _c 769.2 P _c ² 591,669												
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0156$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0132$							
1		95.2	9,063	582,606								
2												
3												
4												
5												
AOF = Q					$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,104$							
1,104					Mcf @ 15.0%Z				Angle of Slope ø		Slope, n .85	
Remarks:												
Approved By Commission:				Conducted By:				Calculated By:				Checked By:
Norman Harland				James Smith								