

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 5-7-77	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering		
Pool Blanco				Formation		Unit
Completion Date 4-17-77		Total Depth 5671'		Plug Back TD 5639'		Elevation 6453 GR
CS# 000 4.500	Wt. 20# 11.60#	d 6.456 4.000	Set At 3309 3173-5640	Perforations: From 5230 To 5597		Well No. #6-A
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5601	Perforations: From To		Unit Sec. Twp. Rge. B 12 31N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.2
State New Mexico						
L	H	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA						TUBING DATA		CASING DATA		Duration of shut-in	
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							480		652		168 hrs
1.	2" X 3/4"						251		600		1 hr
2.							241		574		2 hrs
3.							230		572		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		242.2	1.0000	.9258	1.0000	2773
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 664.2	P _c ² 441,162	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.4173$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0470$
NO	P _i ²	P _w	P _w ²
1		584.2	341,290
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8,449$	
Absolute Open Flow 8,449 Mcfd @ 15.025	Angle of Slope θ .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
-------------------------	---------------	----------------	-------------