

**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 9-13-76	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 9-3-76		Total Depth 5063'		Plug Back TD 5022'		Elevation 5777'
Cap. Size 7.000		Wt. 23#		Set At 2788'		Perforations: From 4096' To 4563'
Tbg. Size 2.0625		Wt. 3.40#		Set At 4983'		Perforations: From 4744' To 5006'
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At ----	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a
L		H		G _g		% CO ₂ % N ₂ % H ₂ S 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"		3/4"				603		768		
2.							177		736		
3.							184		725		
4.							182		723		3 Hours
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		182	1.0000	.9258	1.0000	2083
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 603	P _c ² 363,609	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2851$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.8885$
NO.	P _t ²	P _w	P _w ²
1		723	522,729
2			
3			
4			
5			

Absolute Open Flow 6017		Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n .75
Remarks: _____				
Approved By Commission:		Conducted By: <i>Bob Hinklebecker</i>	Calculated By: <i>James Wm. Smith</i>	Checked By: <i>John Lynn</i>