

**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 12-11-75	
Company Aztec Oil & Gas Company				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 11-29-75		Total Depth 5610'		Plug Back TD 5500'		Elevation 6416 GR
Casing Size 4 1/2"		Wt. 23#		Set At 3414		Perforations: From 4832 To 4896
Tubg. Size 1 1/2"		Wt. 2.90#		Set At 5292		Perforations: From 5118 To 5360
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	2"		3/4"				797		797		
1.							178		663		3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12,365		178	1.0000	.9258	1.0000	2,038
2							
3							
4							
5							

NO.	P _t	Temp. T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
				Specific Gravity Separator Gas _____ X X X X X X X X			
				Specific Gravity Flowing Fluid _____ X X X X X			
				Critical Pressure _____ P.S.I.A. P.S.I.A.			
Critical Temperature _____ R R							

$P_c = 797$ $P_c^2 = 635,209$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.2468$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.9986$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²			
1		663	439,569	195,640			
2							
3							
4							
5							

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8,149$			
Absolute Open Flow <u>8,149</u> Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____			
Remarks: _____			
Approved By Commission: _____ Conducted By: _____ Calculated By: <i>[Signature]</i> Checked By: _____			