

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 8-7-75	
Company Aztec Oil & Gas Company				Connection		
Pool Blanco				Formation Mesaverde		Unit M
Completion Date 7-30-75		Total Depth 5225		Plug Back TD 5222		Elevation 6198
Csg. Size 7" 4 1/2"		Wt. 23# 10.5#		Set At 2970 2866		Perforations: From To
Thq. Size 1 1/2"		Wt. 1.90#		Set At 5060		Perforations: From 5054 To 5164
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				State New Mexico		
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				738		738		
1.							164		651		3 hrs.
2.											
3.											
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		164	1.000	.9258	1.000	1,878
2.							
3.							
4.							
5.							

NO.	P _t	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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1	738	651	423,801	120,843
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.5070$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7.687$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.0932$

Absolute Open Flow <u>7,687</u> Mcfd @ 15.025		Angle of Slope Θ _____
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: <i>[Signature]</i>
		Checked By: _____

