

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 8/27/66	
Company Aztec Oil and Gas				Connection Southern Union Gathering	
Pool Blanco Mesaverde				Formation Mesaverde	
Completion Date 8/7/66		Total Depth 7070		Plug Back TD 7032	
Elevation 5894 GL		Farm or Lease Name Culpepper Martin			
Csg. Size 4 1/2	Wt. 10.5	d 11.6	Set At 4.000	Perforations: From 4628 To 4734	
Tbg. Size 1 1/2	Wt. 2.75	d 1.61	Set At 6850	Perforations: From 6855 To open ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual				Packer Set At 6850	
Producing Thru casing		Reservoir Temp. °F @		Baro. Press. - P _a New Mexico	
L	H	Gg	% 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	
1.	2"		3/4"	21 days					860		
2.									290	60 (est.)	3 hr
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	12.365		302	1.000	.9258	1.037	3585
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 ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.148}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.11}$
1.		313	97,950	662,434		
2.						
3.						
4.						
5.						

Absolute Open Flow 3979 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75	
Remarks: _____							
Approved By Commission:		Conducted By:		Calculated By: ORIGINAL SIGNED BY JOE C. SALMON		Checked By:	