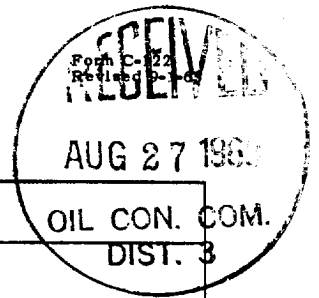


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-25-69								
Company Aztec Oil & Gas Company						Connection Southern Union Gathering								
Pool Blanco						Formation Mesaverde								
Completion Date 8-12-69			Total Depth 7490			Plug Back TD 7490			Elevation 6254 Gr			Farm or Lease Name Patterson A Com		
Csg. Size 4 1/2		Wt. 9.5		Set At 4.090		Perforations: From 5052 To 5174			Well No. #1					
Tub. Size 1 1/2		Wt. 4.7		Set At 7260		Perforations: From Opened To			Unit Sec. Twp. Rge. 0 2 31 12					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual						Packer Set At 7260			County San Juan					
Producing Thru			Reservoir Temp. °F @			Mean Annual Temp. °F			Baro. Press. - P _a			State 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	
SI	2		3/4						631		
1.									409		
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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		421	1.000	.9636	1.000	5017
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

P _c 643	P _c ² 413449	
NO.	P _t ²	P _w
1		468
2		219024
3		194425
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1265$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4680$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7.512$

Absolute Open Flow <u>7.512</u> Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By:
Checked By:		