

CORRECTED COPY

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-17-73		MAY 29 1973	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering		Aztec Oil & Gas Co. Farmington, N. M.	
Pool Aztec				Formation Pictured Cliff		Unit	
Completion Date 4-27-73		Total Depth 4774'		Plug Back TD 4300'		Elevation 5765 GR	
Csg. Size 5 1/2"		Wt. 4.95#		Set At 4707'		Perforations: From 2348 To 2362	
Thq. Size 1"		Wt. 1.70#		Set At 2358'		Perforations: From ---- To ----	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		Form or Lease Name Alston	
Producing Thru Casing		Reservoir Temp. °F ●		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _a		County San Juan	
% CO ₂		% N ₂		% H ₂ S		Prover	
Meter Run		Taps		State New Mexico			

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"				538		538		7 Days 3 hours
2.							96		54		
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		54	1.0000	.9258	1.0000	618
2.							
3.							
4.							
5.							

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

P _c 538	P _c ² 289,444		
NO.	P _r ²	P _w	P _w ²
1.		144	20,736
2.			
3.			
4.			
5.			

$$(1) \frac{P_c^2}{P_r^2 - P_w^2} = 1.0771$$

$$AOF = Q \left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 653$$

$$(2) \left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0572$$

Absolute Open Flow	653	Mcf/d @ 15.025	Angle of Slope @	Slope, n
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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