

**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 9-16-76		SEP 23 1976 OIL CON. COM. DIST. 3	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering			
Pool Blanco				Formation Mesa Verde			
Completion Date 9-09-76		Total Depth 5290'		Plug Back TD 5290'		Elevation 5981'	
Farm or Lease Name Lawson							
Casing Size 4.500		Wt. 23#		Set At 3043		Perforations: From 4313' To 4906'	
Tubg. Size 2.0625		Wt. 3.40#		Set At 5233		Perforations: From 4961' To 5260'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		Well No. #1-A	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g		County San Juan	
				% CO ₂		State New Mexico	
				% N ₂		Meter Run	
				% H ₂ S		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							618		759		
1.	2"		3/4"				196		699		
2.							190		682		
3.							184		674		3 Hours
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		196.2	1.0000	.9258	1.0000	2246
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____	X X X X X X X X
2.					Specific Gravity Flowing Fluid _____	X X X X X
3.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
4.					Critical Temperature _____ R	_____ R
5.						

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.8010$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.2434$
1		686.2	470,870	123,879		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7,284$

Absolute Open Flow 7,284 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By: <i>R.T. Hendricks</i>	Calculated By: <i>James Smith</i>	Checked By: <i>Stan Gya</i>
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