

**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 5-17-73				
Company Aztec Oil & Gas Company				Connection Southern Union Gathering					
Pool Aztec				Formation Pictured Cliff				Unit	
Completion Date 4-27-73		Total Depth 4300'		Plug Back TD 4300'		Elevation 5765 GR		Farm or Lease Name Alston	
Csq. Size 5 1/2"	Wt. 4.95#	d	Set At 4300'	Perforations: From 2348 To 2362		Well No. #1			
Tbg. Size 1"	Wt. 1.70#	d	Set At 2358'	Perforations: From ---- To ----		Unit Sec. Twp. Rge. N 35 31N 11W			
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single					Packer Set At ----		County San Juan		
Producing Thru Casing		Reservoir Temp. °F 8		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							538		538		7 Days 3 Hours
1.	2"		3/4"				96		54		
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		54	1.0000	.9258	1.0000	618
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	RECEIVED MAY 24 1973 OIL CON. COM. DIST. 3	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
				Specific Gravity Separator Gas _____ XXXXXXXXXX			
				Specific Gravity Flowing Fluid _____ XXXXX			
				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R							

$P_c = 538$ $P_c^2 = 289,444$					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0771$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0572$	
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²		
1		144	20,736	268,708		
2						
3						
4						
5						

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

Absolute Open Flow 653 Mcfd @ 15.025 Angle of Slope Θ _____ Slope, n _____

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: <i>[Signature]</i>	Checked By:
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