

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

Form C-722
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special						Test Date: 12-2-76	
Company: Aztec Oil & Gas Company				Connection: Southern Union Gathering			
Pool: Blanco				Formation: Mesa Verde		Unit:	
Completion Date: 11-15-76		Total Depth: 4950'		Packer Back To: 4940'		Elevation: 5719' GR	
Csg. St. 7.000		Wt. 20.00		d 6.456		Set At 2616	
4.500		10.50		4.052		4950	
Tbg. Size: 2.375		Wt. 4.7		d 1.995		Set At 4803	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At: -		Perforations: From 3975 To 4903		Well No. #1-A	
Single		County: San Juan		State: New Mexico		Unit Sec. Twp. Rge. M 24 31N 11W	
Producing Thru Tbg. L		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.2	
H		Gg .700		% 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	X	3/4				536		762		
2.							202		672		1 hr.
3.							200		642		2 hrs.
4.							192		621		3 hrs.
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		204.2	1.0000	.9258	1.0000	2338
2.							
3.							
4.							
5.							

NO.	P _r	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 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

F _c 774.2		F _c ² 599386		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0204$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.2911$	
NO.	P _w	P _w ²	P _c ² - P _w ²				
1.	633.2	400942	198444				
2.							
3.							
4.							
5.							

Absolute Open Flow 5357		Mcf @ 15.025		Angle of Slope _____		Slope, n .75	
Remarks:							

Approved By Commission:	Conducted By: R.S. [Signature]	Calculated By: James Smith	Checked By: [Signature]
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