

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	
Company Aztec Oil & Gas Company		Connection Southern Union Gathering	
Pool Blanco		Formation Mesa Verde	
Completion Date 12-5-76		Total Depth 5043'	Plug Back TD 4980'
		Elevation 5752' GR	Farm or Lease Name Ruple
Orig. Perfor. 7.000	Wt. 20#	d 6.456	Set At 2739'
Perfor. Size 4.500	Wt. 10.50#	d 4.052	Set At 2551-5030'
Perforations: From 3950 To 4536		Well No. #1-A	
Perforations: From 4671 To 4965		Unit B.	Sec. 24
		Twp. 31N	Rge. 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At -----	County San Juan
Producing Thru Tubing	Reservoir Temp. °F @	Mean Annual Temp. °F 12.2	State New Mexico
L	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.	
1.	2"		3/4"				701		864	
2.							256		763	
3.							248		724	
4.							241		712	
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, Fpv	Rate of Flow Q, Mcfd
1.	12.365		253.2	1.0000	.9258	1.0000	2899
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

P _c 876.2	P _c ² 767,726	
NO	P _t ²	P _w
1	724.2	524,466
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.1560$

ACF = 1. $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6,864$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3678$

Absolute Open Flow 6,864	Mcfd @ 15.025	Angle of Slope	Slope, n .75
Remarks:			
Approved By Commission: _____ Conducted By: <i>R.J. Shindler</i> Calculated By: <i>James A. Smith</i> Checked By: <i>Don Ryan</i>			