

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 3-11-77			
Company Aztec Oil & Gas				Connection Southern Union Gathering					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 2-26-77		Total Depth 5340		Plug Back TD 5337		Elevation 6229' KB		Farm or Lease Name Davis	
Co. Size 7.000 4.500	Wt. 20.0# 10.50#	d 6.456 4.052	Set At 2962' 2796-5337	Perforations: From 5040' To 5282'			Well No. #5-A		
Tbg. Size 2.375	Wt. 4.7#	d 1.995	Set At 5286'	Perforations: From To			Unit N	Sec. 3	Twp. 31N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan			
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 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.	
SI							688		847	
1.	2"		3/4"				211		531	1 hr
2.							179		465	2 hrs
3.							166		435	3 hrs
4.										
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		178.2	1.0000	.9258	1.0000	2040
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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
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

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3716$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2674$
1	859.2	447.2	199,988	538,237		
2						
3						
4						
5						

Absolute Open Flow 2585 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75	
Remarks: _____							
Approved By Commission:		Conducted By:		Calculated By:		Checked By: 	