

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 3-7-77	
Company Aztec Oil & Gas Company			Connection Southern Union Gathering Company		
Pool Blanco			Formation Mesa Verde		Unit
Completion Date 2-22-77		Total Depth 5463'	Plug Back TD 5406'	Elevation 6049' GR	Farm or Lease Name East
Csg. Size 7.000 4.500	Wt. 20# 10.50#	d 6.456 4.052	Set At 3062' 2895-5407'	Perforations: From 5068 To 5309	
Tbg. Size 2.375	Wt. 4.7#	d 1.995	Set At 5309'	Perforations: From To	
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 12.2	Unit Sec. Twp. Rge. M 14 T31N R12W
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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	2"	X	3/4"				662		681	
2.							244		579	1 hr
3.							232		552	2 hrs
4.							225		534	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	12.365		237.2	1.0000	.9258		2,715
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
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

P _c 693.2	P _c ² 480,526	
NO.	P _t ²	P _w
1.		546.2
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6375$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5,619$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0696$

Absolute Open Flow	5,619	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				
Approved By Commission: _____ Conducted By: _____ Calculated By: _____ Checked By: _____				