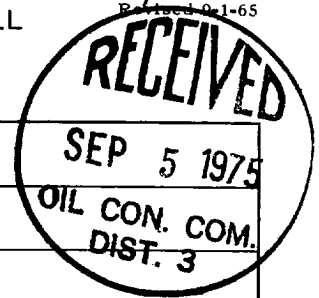


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-31-75	
Company Aztec Oil & Gas Company			Connection Southern Union Gathering		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 8-22-75		Total Depth 5160'	Plug Back TD 5116'	Elevation 6099 GR	Farm or Lease Name East
Csg. Size 4 1/2"	Wt. 23#	Set At 2795	Perforations: From 4883 To 4950		Well No. #2-A
Thg. Size 1 1/2"	Wt. 2.90#	Set At 4889	Perforations: From ---- To ----		Unit Sec. Twp. Rge. K 23 31N 12W
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	Baro. Press. - P _a	State New Mexico
L	H	Gg	% CO ₂	% N ₂	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	2"		3/4"				871		871		
1.							205		737		3 Hours
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		205	1.0000	.9258	1.0000	2,346
2.							
3.							
4.							
5.							

NO.	P _t	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
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 871	P _c ² 758,641	
NO.	P _t ²	P _w ²
1	737	543,169
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5208$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.5749$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8,387$

Absolute Open Flow <u>8,387</u> Mcfd @ 15.025		Angle of Slope ϕ _____	Slope, n _____
Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By: <i>Joe C. Salmon</i>	Checked By: