

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

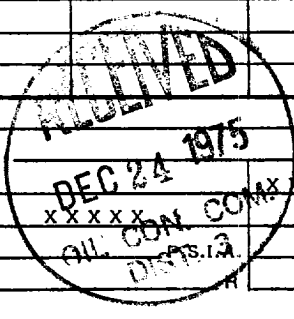
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-17-75						
Company Aztec Oil & Gas Company					Connection Southern Union Gathering						
Pool Blanco					Formation Mesaverde						
Completion Date 12-9-75			Total Depth 5145'		Plug Back TD 5054'		Elevation 6204 Gr		Farm or Lease Name Richardson		
Casing Size 4 1/2"		Wt. 23# 10.50#		Set At 4575 4466-5141		Perforations: From 4980 To 5054		Well No. #2-A			
Tubg. Size 1 1/2"		Wt. 2.90#		Set At 5002		Perforations: From ---- To ----		Unit Sec. Twp. Rge. K 15 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		G _g		% 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	
SI	2"		3/4"				721		721		
1.							162		630		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12,365		162	1.0000	.9258	1.0000	1855
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 721	P _c ² 519,841	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.2283$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.9486$
NO.	P _t ²	P _w	P _w ²
1		630	396,900
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9,180$

Absolute Open Flow	9,180	Mcf/d @ 15.025	Angle of Slope θ	Slope, n
Remarks:				
Approved By Commission:	Conducted By:	Calculated By:	Checked By:	