

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 10-22-75				
Company Aztec Oil & Gas Company				Connection Southern Union Gathering					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 10-14-75		Total Depth 4980'		Plug Back TD 4974'		Elevation 6018 GR		Farm or Lease Name Nye	
Csg. Size 4 1/2"	Wt. 23#	d 10.50#	Set At 2776	Perforations: From 4858 To 4938		Well No. #16			
Tbg. Size 1 1/2"	Wt. 2.90#	d	Set At 4866	Perforations: From ---- To ----		Unit Sec. Twp. Rge. G 12 30N 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		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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"				972		972		7 Days
1.							236		816		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		236	1.0000	.9258	1.0000	2,701
2.							
3.							
4.							
5.							

NO.	P _r	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 972	P _c ² 944,784	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.3872$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.5012$
NO.	P _t ²	P _w	P _w ²
1		816	665,856
2			
3			
4			
5			

Absolute Open Flow 9,457 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____
Remarks: _____			
Approved By Commission:		Conducted By:	Calculated By: <i>[Signature]</i>
			Checked By: