

**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 10-29-76				
Company Aztec Oil & Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 10-15-76			Total Depth 5790'		Plug Back TD		Elevation 6237' GL		Farm or Lease Name Hale
Csg. Size 7.000	Wt. 23#	d	Set At 3430'	Perforations: From To		Well No. #3-A			
Tbg. Size 4.500	Wt. 10.50#	d	Set At 5785'	Perforations: From To		Unit Sec. Twp. Rge. E 34 31N 8W			
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	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.	
SI							592		605	
1.	2"	X	3/4"				203		506	
2.							196		485	
3.							191		472	
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		203.2	1.0000	.9258	1.0000	2326
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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ °R

P _c 617.2 P _c ² 380,936				
NO.	F _t ²	P _w	P _w ²	P _c ² - P _w ²
1		484.2	234,450	146,486
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.6005$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,763$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0478$$

Absolute Open Flow _____ 4,763 _____ Mcfd @ 15.025	Angle of Slope _____	Slope, n _____ 75 _____
Remarks: _____		

Approved By Commission:	Conducted By: <i>L. Castleman</i>	Calculated By: <i>James Smith</i>	Checked By: <i>Jim Ryan</i>
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