

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

Form C-122
Revised 9-1-65

MAR 8 1971

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-3-71			
Company Aztec Oil & Gas Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 2-25-71		Total Depth 5497'		Plug Back TD 5466'		Elevation 6288 Gr	
Farm or Lease Name State Com				Well No.			
Casing Size 4-1/2"		Wt. 11.6#		Set At 3362-5499		Perforations: From 4790 To 5368	
Tub. Size 2-3/8"		Wt. 4.70#		Set At 5266'		Perforations: From ---- To ----	
Type Well - Single - Brazenhead - 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.	
SI							738		738	
1.	2"		3/4				218		623	3 Hrs.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		230	1.0000	.9258	1.0000	2633
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

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 3.5316$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.5761$
1	750	562,500				
2		635	403,225	159,275		
3						
4						
5						

Absolute Open Flow _____ 6783 _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____	
Remarks: _____							
Approved by Commission:		Conducted By:		Calculated By:		Checked By:	