

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

Form O-112
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-27-71	
Company Aztec Oil & Gas Company			Connection El Paso Natural Gas Company		
Pool Blanco			Formation Mesaverde		
Completion Date 4-26-71		Total Depth 8225		Plug Back TD 6124	
Elevation 6830 Gr		Farm or Lease Name Companero			
Casing Size 7-5/8" Wt. 26.4#		Set At 3943		Perforations: From 5902 To 5970	
Tag Size 1-1/2" Wt. 2.9#		Set At 5888		Perforations: From ---- To ----	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----	
Producing Tubing		Reservoir Temp. °F @		Baro. Press. - P _a	
Mean Annual Temp. °F		County Rio Arriba			
State New Mexico		Unit Sec. Twp. Rge. 3 12 27N 4W			
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.	
1.	2"		3/4				1098		1102	
2.							197		909	
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS						
NO.	Coefficient (1/μ)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}
1.	12.365		209	1.0000	.9258	1.0000
2.						
3.						
4.						
5.						

NO.	P _c	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/sol.
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 _c	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 3.2097$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 2.4019$
1.	1110	921	848,241	383,859		
2.						
3.						
4.						
5.						

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 5745$	
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Estimated Q _{sc} Flow	5745	Mcf/d @ 15.025	Angle of Slope θ	Slope, n
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Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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