

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



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-9-68			
Company Aztec Oil and Gas				Connection Southern Union Gathering			
Pool Basin				Formation Chlorine		Unit	
Completion Date 8-30-68		Total Depth 7090		Elevation 6025 Gr		Farm or Lease Name Thompson	
Cas. Size 4 1/2	Wt. d	Set At 7090	Perforations: From 6041 To 6920		Well No. 7		
Tub. Size 2-3/8	Wt. d	Set At 6710	Perforations: From open ended To		Unit Sec. Twp. Rge. N 34 31N 12W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual				Packer Set At 6710		County San Juan	
Producing Thru tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		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	2"		3/4"				1007			
1.							7			3 hr
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P ₁	Flow Temp. F ₁	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		19	1.000	.9258	1.004	218
2							
3							
4							
5							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.L. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity of Gas	XXXXXXX
3					Specific Gravity of Gas	XXXXXX
4					Pressure	P.S.I.A.
5					Pressure	P.S.I.A.

NO.	P ₁	P _w	P ₁ ²	P _w ²	P ₁ ² - P _w ²	(1) $\frac{P_1^2}{P_1^2 - P_w^2}$	(2) $\left[\frac{P_1^2}{P_1^2 - P_w^2} \right]^n$
1		19	361	102104	102765	1.0003	1.0002
2							
3							
4							
5							

Absolute Open Flow	218	Mcf @ 15.023	Angle of Slope θ	Slope, n .75
Remarks:				
Approved By Commission: Conducted By: Calculated By: Checked By:				