

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 9-15-68	
Company Aztec Oil and Gas Company				Connection Southern Union Cathering		
Pool Blanco				Formation Massoverde		Unit
Completion Date 8-30-66		Total Depth 7090		Gas Base TD 7050	Elevation 6025 Gr	
Casing Size 4 1/2"		Wt.	d	Set At 7090	Perforations From 4716 To 4796	
Tubg. Size 2-3/8"		Wt.	d	Set At 6710	Perforations From open ended To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual				Proven Set At 6710		Farm or Lease Name Thompson
Producing Thru casing		Reservoir Temp. °F a		Mean Annual Temp. °F		Well No. 7
L		H	Gg	Bond. Press. - P _a		Unit Sec. Twp. Rge. N 34 31N 12W
Prover		% CO ₂		% N ₂	% H ₂ S	County San Juan
Meter Run		Taps		State New Mexico		

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"								
1.									1004		
2.									352		3 hr
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, Mc/d
1	12.365		364	1.000	.9258	1.043	4,346
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mc/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.
5.					Critical Temperature	R

NO.	P _w	P _w ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.4752$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.3385$
1	364	132496	692160		
2					
3					
4					
5					

Absolute Open Flow		5817	Mold @ 14.225	Angle of Slope θ	Slope, n
Remarks:					
Approved By Commission:					
Conducted By:		Calculated By:		Checked By:	