

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 12-15-75	
Company Aztec Oil & Gas Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 12-4-75		Total Depth 5451'		Plug Back TD 5300'		Elevation 6341 GR	
Casing Size 4 1/2"		Wt. 23#		Set At 3312		Perforations: From 4754 To 4804	
Tub. Size 1 1/2"		Wt. 2.90#		Set At 5202		Perforations: From 5194 To 5254	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At ---	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
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.	Temp. °F	
SI	2"		3/4"				656		671		
1.							154		612		3 Hours
2.											
3.											
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		154	1.0000	.9258	1.0000	1763
2							
3							
4							
5							

NO.	F _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons <td>Deg.</td>	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 <td>P.S.I.A.</td>	P.S.I.A.
5					Critical Temperature <td>R</td>	R

F _c 671		P _c ² 450,241	
NO.	F _c	P _w	P _w ²
1		612	374,544
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 5.9479$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.8078$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10,239$$

Absolute Open Flow	10,239	Mcf/d @ 15.025	Angle of Slope @	Slope, n
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Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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