

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 4-21-69	
Company Aztec Oil and Gas				Connection	
Pool Aztec Oil and Gas				Formation Peitured Cliffs	
Completion Date 4-14-69		Total Depth 2790		Elevation 6114 Gr	
Csg. Size 4 1/2		Set At 2790		Perforations: From 2682 To 2648	
Tbg. Size 1		Set At 2667		Perforations: From open ended To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Well No. 18	
Producing Thru casing		Reservoir Temp. °F @		Baro. Press. - P _a New Mexico	
L		H		Cg	
% 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				698		698	
1.							63		59	
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, Mcf/D
1	12.365		71	1.000	.9258	1.009	820 DST 3
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	710	5041	504100	5399	498701
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0294$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0249$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 840$

Absolute Open Flow 840 Mcf @ 15.025

Angle of Slope @ _____ Slope, n _____

Remarks: _____

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