

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

Form C-172
 Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 8-7-75	
Company Aztec Oil & Gas Company				Connection	
Pool Blanco				Formation Mesaverde	
Completion Date 7-22-75		Total Depth 5575'		Plug Back TD 5545'	
Elevation 6487		Farm or Lease Name Grenier			
Csg. Size 4½ 7	Wt. 10.5 23	d	Set At 5575' 5050'	Perforations: From To	
Thg. Size 1½	Wt. 1.90	d	Set At 5428'	Perforations: From 5396 To 5496	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F @		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				570		570	
1.							142		539	
2.										
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, Mcfd
1	12,365		142	1.000	.9258	1.0000	1,625
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/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. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 9.4505$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9.3919$ $ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 15,262$
1		539	290,521	34,379	
2					
3					
4					

Absolute Open Flow <u>15,262</u> Mcfd @ 15.025		Angle of Slope θ _____
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: <i>[Signature]</i>
		Checked By:

