

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



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date Aug. 28, 1967	
Company Aztec Oil and Gas				Connection Southern Union Gathering	
Pool Blanco Mesa Verde				Formation Mesa Verde	
Completion Date August 16, 1967		Total Depth 7585		Plug Back TD 7581	
Elevation 7581		Farm or Lease Name Chamberlin			
Csg. Size 3 1/2"	Wt. 7.7	d 3.068	Set At 7569	Perforations: From 5149 To 5164	
Thq. Size 1 1/2"	Wt. 2.75	d 1.90	Set At 7300	Perforations: From open end To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple				Packer Set At 7300	
Producing Thru Casing		Reservoir Temp. °F @		Baro. Press. - P _{at}	
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.	Temp. °F	
1.	2" x 3/4"						2022	60 est	754	60 est	3 hr.
2.							2036	60 est	420	60 est	
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		432	1.000	.9258	1.049	5,188
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ XXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 766	P _w 586,756		
NO.	P _t ²	P _w	P _w ²
1	186,624		684,536
2			
3			
4			
5			

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

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

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

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ 75	Slope, n _____
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: <i>[Signature]</i>
		Checked By: