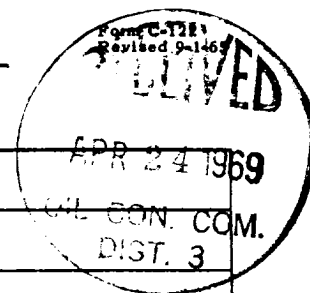


**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-22-69	
Company Aztec Oil and Gas				Connection Southern Union Gathering	
Pool Aztec Unders.				Formation Pictured Cliffs	
Completion Date 4-12-69		Total Depth 2730		Plug Back TD 2729	
Elevation 5944 Gr		Farm or Lease Name Pierce			
Csg. Size 4 1/2	Wt. 9.5	d 4.090	Set At 2729	Perforations: From 2616 To 2646	
Thg. Size 1	Wt. 1.7	d 1.040	Set At 2604	Perforations: From 2604 To open ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At	
Producing Thru		Reservoir Temp. °F @		Baro. Press. - P _a	
L		H		G _q	
% CO ₂		% N ₂		% H ₂ S	
Prover		Meter Run		Taps	
State New Mexico					
County San Juan					
Unit No. #5					
Unit Sec. Twp. Rye. 30 31N 10W					

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				842		842	
1.							171		159	
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		171	1.000	.9258	1.020	1996
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 _____ 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

P _c 855	P _c ² 231025	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0447$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0378$
NO	P _t ²	P _w	P _w ²
1	29241		31312
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2071$

Absolute Open Flow 2071 Mcfd @ 15.025

Angle of Slope @ _____ Slope, n _____

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