

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 5-2-69	
Company Aztec Oil and Gas				Connection Southern Union Gas			
Pool Aztec				Formation Picture Cliff		Unit	
Completion Date 4-21-69		Total Depth 2305		Plug Back TD 2300		Elevation 5772 gr.	
Farm or Lease Name Hare 6		Well No. # 27					
Csg. Size 4.5	Wt. 9.5	d 4.050	Set At 2300	Perforations: From 2225 To 2244		Unit Sec. Twp. Rge. D 10 29 10	
Tbg. Size 1.378	Wt. 1.7	d 1.049	Set At 2226	Perforations: From open ended To		County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At		State New Mexico	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a	
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.	
1.	2	x	3/4				510		531	
2.							65		43	
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		55	1.000	.9258	1.009	637
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
					Specific Gravity Separator Gas _____ X X X X X X X X	
					Specific Gravity Flowing Fluid _____ X X X X X	
					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
					Critical Temperature _____ R _____ R	

P _c 543	P _c ² 294849	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0109$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0091$
NO.	P _t ²	P _w	P _w ²
1	3025	57	3206
2			
3			
4			
5			

Absolute Open Flow 642 Mcfd @ 15.025		Angle of Slope θ _____
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: <i>J. C. Alvarez</i>
		Checked By: Dist. 3

