

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 8/9/67	
Company Aztec Oil and Gas				Connection		
Pool Tapacito				Formation Pictured Cliffs		Unit
Completion Date 7/26/67		Total Depth 6292		Plug Back TD 6134		Elevation 7185 GR
Farm or Lease Name Jicarilla "101"						Well No. 1
Csq. Size 4-1/8 7-5/8	Wt. 10.5 26.4	d	Set At 6262 4196	Perforations: From 3954 To 4032		
Tbg. Size 1 1/2	Wt. 2.75	d	Set At 3994	Perforations: From open ended To		Unit Sec. Twp. Rge. A 1 26N 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple				Packer Set At 5640		County Rio Arriba
Producing Thru tubing		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"				1046		1046	
1.							184	60(est)	805	60(est)
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		184	1.000	.9258	1.020	2,148
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Liquid Gas	Critical Pressure	Critical Temperature	Mcfd/bbl.	Deg.
1.												
2.												
3.												
4.												
5.												

NO.	P _c	P _w	R _w ²	P _c ² - R _w ²
1	1046	805	648025	146091
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 2.4527$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 4,605$

(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 2.1438$

Absolute Open Flow	4,605	Mcfd @ 15.025	Angle of Slope @	Slope, n .85
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Remarks:

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