

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 12-10-76	
Company Aztec Oil & Gas Company				Connection Gas Company of New Mexico		
Pool Tapacitos				Formation Pictured Cliffs		Unit
Completion Date 11-18-76		Total Depth 4055		Plug Back TD 4012		Elevation 7146 GR
Farm or Lease Name Jicarilla 101		Well No. #5				
Csg. Size 8.625	Wt. 24#	d 8.097	Set At 175	Perforations: From 3906 To 3954		Unit Sec. Twp. Rge. I 1 - 26N - 4W
Tbg. Size 2.875	Wt. 6.50#	d 2.441	Set At 4042	Perforations: From ---- To ----		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.2		State New Mexico
L	H	Gg .700	% 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	
SI							565				
1.	2"		3/4"				411				1 hr.
2.							313				2 hrs.
3.							313				3 hrs.
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		325.2	1.0000	.9258	1.0000	3,723
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		325.2	105,755	227,405	1.4651	1.3835
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5,151$				ON
Absolute Open Flow 5,151 Mcfd @ 15.025		Angle of Slope θ 0.85		Slope, n .85
Remarks:				
Approved By Commission:		Conducted By: Bobby Joe Warren		Calculated By: James W. Smith
				Checked By: <i>[Signature]</i>