

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 10/10/77					
Company AMOCO PRODUCTION COMPANY				Connection GAS COMPANY OF NEW MEXICO							
Pool TAPACITO				Formation PICTURED CLIFFS							
Completion Date 10/3/77		Total Depth 3950		Plug Back TD 3915		Elevation 7023 KB					
Csg. Size 4-1/2 Wt. 10.5		Set At K-55		Perforations: From 3786 To 3860		Farm or Lease Name JICARILLA APACHE 102					
Tbg. Size 1-1/4 Wt. 2.4		Set At J-55		Perforations: From open To ended		Well No. 23					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At None		County D 3 26N 4W					
Producing Thru 1-1/4 tbg		Reservoir Temp. °F 114		Mean Annual Temp. °F 60		Baro. Press. - P _a 12					
Gg 65		% CO ₂ 60		% N ₂ 12		Prover New Mexico					
FLOW DATA				TUBING DATA		CASING DATA					
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	Duration of Flow
1.		7 days				60	1067	60	1067	60	
2.							220	60	800	60	3 hrs.
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		232	1.000	.9608	1.000	2756				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _t	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						
$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.3059}$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.0343}$											
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{3606}$											
Absolute Open Flow 3606		Mcf/d @ 15.025			Angle of Slope θ _____		Slope, n .85				
Remarks: _____											
Approved By Commission:		Conducted By:		Calculated By: MIF		Checked By:					