

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		6/16/76		JUN 19 1976																	
Company				Connection																									
Mesa Petroleum Co.				El Paso Natural Gas																									
Pool				Formation								Unit																	
Undesignated				Fruitland								C																	
Completion Date			Total Depth			Plug Back TD			Elevation			Farm or Lease Name																	
6/07/76			2980'			2927'			6163' GL			State Com																	
Csg. Size		Wt.		d		Set At		Perforations:				Well No.																	
3 1/2"		9.2#		2.992		2960'		From 2796' To 2836'				39																	
Tbg. Size		Wt.		d		Set At		Perforations:				Unit Sec. Twp. Rge.																	
1 1/4"		2.3#				2710'KB		From 2594' To 2618'				C 36 29N 8W																	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple								Packer Set At				County																	
GG Multiple								2700' KB				San Juan																	
Producing Tbr				Reservoir Temp. °F				Mean Annual Temp. °F				Baro. Press. - P _a				State													
Csg-Tbg Annulus @												New Mexico																	
L		H		Gg		% CO ₂		% N ₂		% H ₂ S		Prover		Meter Run		Taps													
				0.67								X																	
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		Duration of Flow							
SI														492				1063											
1.						274						44°		492				274		44°		1 hr							
2.		1.995 x 0.75				244						44°		492				244		44°		2 hr							
3.						230						44°		492				230		44°		3 hr							
4.																													
5.																													
RATE OF FLOW CALCULATIONS																													
NO.		Coefficient (24 Hour)		$\sqrt{h_w P_m}$		Pressure P _m		Flow Temp. Factor Ft.		Gravity Factor F _g		Super Compress. Factor, F _{pv}		Rate of Flow Q, Mcfd															
1																													
2.		12.3650				242		1.0158		0.9463		1.0642		3061															
3.																													
4.																													
5.																													
NO.		P _t		Temp. °R		T _t		Z		Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.																			
1.		0.7534		504		1.3194		0.883		A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.																			
2.										Specific Gravity Separator Gas 0.67 XXXXXXXXXX																			
3.										Specific Gravity Flowing Fluid XXXXX																			
4.										Critical Pressure 669 P.S.I.A. P.S.I.A.																			
5.										Critical Temperature 382 R R																			
P _c		1075		P _c ²		1155625																							
NO		P _t		P _w		P _w ²		P _c ² - P _w ²		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0534$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.05$																			
1				242		58564		1097061																					
2																													
3																													
4																													
5																													
AOF = Q										$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3214$																			
Absolute Open Flow												3214 Mcfd @ 15.025						Angle of Slope @						Slope, n 0.85					
Remarks:																													
Approved By Commission:						Conducted By:						Calculated By:						Checked By:											
						James L. Archer						William Main																	