

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		2-7-78																																							
Company				Marathon Oil Co.				Connection																																									
Pool				Kutz Canyon				Formation				Unit																																					
Completion Date				Total Depth				Plug Back TD				Elevation				Farm or Lease Name																																	
				1757				1718				5685				Ohio 'C' Gov't																																	
Csg. Size		Wt.		d		Set At		Perforations:		Well No.																																							
4 1/2		10.5				1757		From 1424 To 1434																																									
Tbg. Size		Wt.		d		Set At		Perforations:		Unit		Sec.		Twp.		Rge.																																	
2 3/8		4.7				1586		From To		H		26		28		11																																	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple										Packer Set At		County				State																																	
Dual Gas										1586		San Juan				New Mexico																																	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a																																											
Csg.		114 @ 1580				12.0																																											
L		H		G _g		% CO ₂		% N ₂		% H ₂ S		Prover		Meter Run		Taps																																	
				.650								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		14 days												218				560																															
1.		2 x 3/4												218				85		60		3 hrs																											
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 F _g		Super Compress. Factor, F _{pv}		Rate of Flow Q, Mcfd																																			
1		9.453				97		1.000		1.240		---		1134																																			
2.																																																	
3.																																																	
4.																																																	
5.																																																	
NO.		P _t		Temp. °R		T _r		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																																							
P _c		572		P _c ²		327184																																											
NO		P _t ²		P _w		P _w ²		P _c ² - P _w ²		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0296$																																							
1				92		9409		317775		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0251$																																							
2																																																	
3																																																	
4																																																	
5																																																	
AOF = Q										$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1162$																																							
Absolute Open Flow										1162 Mcfd @ 15.025										Angle of Slope °										Slope, n										85									
Remarks:																																																	
Approved By Commission:					Conducted By:					Calculated By:					Checked By:																																		
					C. Seamon					Neil Telteller					M.E. O'Keefe																																		