

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		11-2-79													
Company				Dugan Production Corp.				Connection															
Pool				Basin				Formation				Unit											
Completion Date				10-24-79				Total Depth		6595'		Plug Back TD		6502'		Elevation		5996'		Farm or Lease Name		Molly Pitcher	
Csg. Size		4-1/2"		Wt.		10.5#		Set At		6599'		Perforations:				Well No.							
Tbg. Size		1-1/2"		Wt.		2.9# & 2.75#		Set At		6435'		Perforations:				Unit							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Single - Gas		Packer Set At				County				San Juan											
Producing Thru		tbq		Reservoir Temp. °F				Mean Annual Temp. °F				Baro. Press. - P _a				State							
L		H		G _g		.65		% 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	Press. p.s.i.g.	Temp. °F	Duration of Flow										
SI							1900		1905		7 days												
1.																							
2.																							
3.	3/4 Pos. Choke						85	60 ⁰	730		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd																
1																							
2																							
3	12.365		97	1.000	.9608	1.007	1160																
4																							
5																							
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.																		
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deq.																		
2					Specific Gravity Separator Gas _____ XXXXXXXXXX																		
3					Specific Gravity Flowing Fluid _____ XXXXX																		
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.																		
5					Critical Temperature _____ R _____ R																		
P _c 1917 P _c ² 3674889					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1762$			(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.75} = 7.1294$															
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1310$																		
1																							
2																							
3		742	550564	3124325																			
4																							
5																							
Absolute Open Flow					1310 Mcfd @ 15.025			Angle of Slope θ			Slope, n .75												
Remarks:																							
Approved By Commission:				Conducted By:				Calculated By:				Checked By:											
Hall				Hall				Hall				Hall											