

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		12-23-77													
Company				Connection																			
Cotton Petroleum Corp.				Waiting on pipeline																			
Pool				Formation				Unit															
So. Blanco P.C.				Pictured Cliffs																			
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name															
12-1-77		3125'		3035'		6797'KB		Apache															
Csg. Size		Wt.		d		Set At		Perforations:		Well No.													
4.500		10.50		4.052		3082'		From 2926' To 2960'		23													
Tbg. Size		Wt.		d		Set At		Perforations:		Unit Sec. Twp. Rge.													
1.660		2.40		1.380		2927'		From Open To Ended		K 11 24N 4W													
Type Well - Single - Bradenhead - G.G. or G.O. Multiple								Packer Set At		County													
Single								None		Rio Arriba													
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State															
Tubing		91 @ 3125		60		12.0		New Mexico															
L		H		Gg		% CO ₂		% N ₂		% H ₂ S													
2927		2927		0.60		-		-		-													
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																							
1.		3/4" T.H.C.												940				980				7 da	
2.														10				250					
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		12.3650				22		1.0000		1.0000		1.0000		272									
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		992		P _c ²		984.064																	
NO.		P _t ²		P _w		P _w ²		P _c ² - P _w ²		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0749$													
1				262		68,644		915,420		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0633$													
2																							
3																							
4																							
5																							
Absolute Open Flow 289 Mcfd @ 15.025 Angle of Slope 0 Slope, n 0.85																							
Remarks:																							
Approved By Commission:						Conducted By: Roger McCown						Calculated By: Ewell N. Walsh						Checked By:					