

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		11-12-74																															
Company				Connection																																					
Caulkins Oil Company																																									
Pool				Formation				Unit																																	
South Blanco				Pictured Cliffs																																					
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name																																	
11-2-74		4000'		4000'		6707 DF		Breech D																																	
Csg. Size	Wt.	d	Set At	Perforations:		Well No.																																			
4 1/2"	12.6	3.833	4000'	From 3002 To 3022		383																																			
Tbg. Size	Wt.	d	Set At	Perforations:		Unit		Sec.	Twp.	Rge.																															
1"	1.7#	1.049	2935	From None To		0		21	26N	6W																															
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County																																	
G.G. Multiple						3812		Rio Arriba																																	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State																																	
Tubing		@						New Mexico																																	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps																																	
								Pipe																																	
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																															
SI	10 Days						890		890																																
1.							71		490		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 _{sp}	Rate of Flow Q, Mcfd																																		
1	14.1605		83	1.000	1.000	1.000	1167																																		
2.																																									
3.																																									
4.																																									
5.																																									
NO.	P _t	Temp. °R	T _f	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																																				
$P_c \quad P_c^2$ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NO</td> <td>P_t²</td> <td>P_w</td> <td>P_w²</td> <td>P_c² - P_w²</td> </tr> <tr> <td>1</td> <td></td> <td>502</td> <td>252,004</td> <td>561,600</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> $(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.45$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3713$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,600$												NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	1		502	252,004	561,600	2					3					4					5				
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²																																					
1		502	252,004	561,600																																					
2																																									
3																																									
4																																									
5																																									
Absolute Open Flow					1,600			Mcf @ 15.025		Angle of Slope @																															
Remarks:																																									
Approved By Commission:			Conducted By:			Calculated By:			Checked By:																																