

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-5-75	
Company Caulkins Oil Company				Connection			
Pool South Blanco				Formation Pictured Cliffs		Unit	
Completion Date 7-25-75		Total Depth 3680		Plug Back TD 3680		Elevation	
Csg. Size 4 1/2"		Wt. 10.5		Set At 3680		Perforations: From 2680 To 2738	
Tbg. Size 1"		Wt. 1.7#		Set At 2673		Perforations: From None To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At 3549	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg		Prover	
				% CO ₂		% N ₂	
				% H ₂ S		Meter Run	
						Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI	7 Days						
1.						915	3 hrs.
2.						67	
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	14.1605		79	1.000	1.000	1.000	1118
2.							
3.							
4.							
5.							
NO.	P _r	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 _____		
3.					Specific Gravity Flowing Fluid _____		
4.					Critical Pressure _____ P.S.I.A.		
5.					Critical Temperature _____ °R		
P _c 927 P _c ² 859,329					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.63$		
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.9917$		
1		789	622,521	236,808			
2							
3							
4							
5							
					ADP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3344$		
Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope _____		Slope, n 85	
Remarks: _____							
Approved by Commission:		Conducted By:		Calculated By:		Checked By:	
							