

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: 7-6-76	
Company: Caulkins Oil Company				Connection:	
Pool: South Blanco				Formation: Pictured Cliffs	
Completion Date: 6-27-76		Total Depth: 3310'		Elevation: 6657 Gr.	
Csg. Size: 3 1/2"		Set At: 3310		Perforations: From 3222 To 3262	
Thq. Size: 1"		Set At: 3180		Perforations: From 3180 To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At:	
Producing Thru Tubing				State: New Mexico	
Reservoir Temp. °F: 8		Mean Annual Temp. °F:		Baro. Press. - P _a :	
L		H		Gg	
% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Days						912		1005	
1.							50		515	
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	14.1605		62	1.000	1.000	1.000	878
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	$\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	1017	21,034	289	756,560	1.37	1.3068
2.						
3.						
4.						
5.						

Absolute Gas Flow: 1145		Mold @ 14.725		Angle of Slope: 85	
Remarks:					
Approved by Commission:		Conducted By:		Checked By:	