

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 8-27-75	
Company Caulkins Oil Company				Connection			
Pool South Blanco				Formation Pictured Cliffs		Unit	
Completion Date 8-14-75		Total Depth 3410		Plug Back TD 3410		Elevation 6757	
Csg. Size 4 1/2"		Wt. 10.5		Set At 4.052		Perforations: From 3318 To 3400	
Thg. Size 1"		Wt. 1.7		Set At 1.049		Perforations: From None To None	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg		State New Mexico	
				% CO ₂		% H ₂ S	
				% N ₂		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					1020		1031	
1.							81		720	
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mscf
1	14.1605		93	1.000	1.000	1.000	1317
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mscf/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 1043	P _c ² 1,087,849	
NO.	P _t ²	P _w ²
1	732	535,824
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{1.97}$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.7794}$	
ADP = 0		$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{2.343}$	

Absolute Open Flow _____ Mscf @ 15.025	Angle of Slope _____
Remarks: _____	
Approved By Commission: _____	Conducted By: _____
Calculated By: _____	

