

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 1025-74	
Company Caulkins Oil Company				Connection		
Pool South Blanco				Formation Pictured Cliffs		Unit
Completion Date 10-15-74		Total Depth 3300'		Plug Back TD 3300'		Elevation 6596 DF
Csg. Size 3 1/2		Wt. 9.3#	d 2.992	Set At 3300	Perforations: From 3170 To 3190	
Tbg. Size 1"		Wt. 1.7#	d 1.049	Set At 3136	Perforations: From 3136 To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		Well No. 10
Producing Thru Tubing		Reservoir Temp. °F @ 100°		Mean Annual Temp. °F		Baro. Press. - P _a
L		H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps Pipe		
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
1.		7 days				
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
1.	14.1605		107	1.000	1.000	1.000
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	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.58$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4751$	
1.		643	413,449	714,395		
2.						
3.						
4.						
5.						
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,235$						
Absolute Open Flow _____ 2,235 _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____ 85 _____
Remarks: _____						
Approved By Commission: _____ Conducted By: _____ Calculated By: _____ Checked By: _____						