

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 11-19-74	
Company Caulkin Oil Co.				Connection	
Pool South Blanco				Formation Pictured Cliffs	
Completion Date 11-12-74		Total Depth 3400'		Plug Back TD 3400'	
				Elevation 6613 DF	
Cot. Size 3 1/2"		Wt. 9.3#		Set At 2,992	
Perforations: From 3196 To 3320		Well No. 564			
Trg. Size 1 1/4"		Wt. 2.4#		Set At 1,380	
Perforations: From None To		Unit A		Sec. 33	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas		Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 100°		Mean Annual Temp. °F	
				Baro. Press. - P _a	
				State 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.	
S1	7 days						855		855	
1.							181		640	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 _{pv}	Rate of Flow Q, Mcfd
1	14.1305		193	1.000	1.000	1.000	2,733
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.30$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0298$
1		632	425,104	326,585		
2						
3						
4						
5						

$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5,547$			
Absolute Open Flow 5,547		Mcf @ 15.025	
Angle of Slope 85		Slope, n	

Remarks:			
Approved By Commission:		Conducted By:	
Calculated By:		Checked By:	