

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 9-23-76	
Company Caulkins Oil Company				Connection			
Pool South Blanco				Formation Pictured Cliffs		Unit	
Completion Date 8-31-76		Total Depth 3480		Plug Back TD 3480		Elevation 6204	
Csg. Size 4 E/2		Wt. 12.6		Set At 3480		Well No. 258	
Tbg. Size 1"		Wt. 1.7		Set At 2505		Unit Sec. Twp. Rge. F 18 26N 6W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas Gas Dual						Packer Set At 2540	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico	
L		H		Gg		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 days						840		840		
1.							61		517		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 F _L	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	14.1605		73	1.0	1.0	1.0	1033
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	XXXXXXXXXX
3					Specific Gravity Flowing Fluid	XXXXXXXXXX
4					Critical Pressure	_____ P.S.I.A.
5					Critical Temperature	_____ R

P _c 852	P _c ² 725,904			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		529	279,841	446,063
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.63$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1589$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5384$$

Absolute Open Flow	1,589		Mcf/d @ 14.025	Angle of Slope @	85	Slope, n
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Remarks: _____

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