

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 8-20-76	
Company Caulkins Oil Company		Connection	
Pool South Blanco		Formation Pictured Cliffs	
Completion Date 8-11-76	Total Depth 3700	Shut-in Pressure 3690	Elevation 6554
Form or Lease Name Breech		Well No. 330	
Cog. Size 4 1/2"	Wt. 10.5	d 4.000	Set At 3690
Perforations: From 2672	To 2708		
Tub. Size 1"	Wt. 1.7	d 1.049	Set At 2700
Perforations: From 2700	To 2700		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual		County Rio Arriba	
Producing Thru Tubing	Reservoir Temp. °F @	Mean Annual Temp. °F 2731	State New Mexico
L	H	Gg	% CO ₂
		% N ₂	% H ₂ S
		Proper	Meter Run
			Taps

FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	7 Days				735		735	3 hrs.
2.					35		605	
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		47	1.000	1.000	1.000	666
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _t	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										

P _c 747	P _c ² 558,009	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{3.15}$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{2.6519}$
NO.	P _t ²	P _w	P _w ²
1		617	380,689
2			
3			
4			
5			

Absolute Open Flow 1,766		Mold @ 15.000	Angle of Slope 85	Slope, n
Remarks:				
Approved By Commission:	Conducted By:	Calculated By:	Checked By:	