

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Revised 12-1-55

Pool Blanco MV			Formation Mesa Verde			County Rio Arriba		
Initial Yes		Annual no		Special no		Date of Test 9-16-65		
Company Caulkins Oil Company			Lease Breesh "A"			Well No. 229 (MD)		
Unit D	Sec. 17	Twp. 26 N	Range 6 W		Purchaser Southern Union Gas Company			
Casing 4 1/2"	Wt. 10.5 & 11.6	I.D. 4.000	Set at 7311		Perf. 4946	To 5056		
Tubing 1 1/2"	Wt. 2.4	I.D. 1.380	Set at 4951		Perf. 4951	To 4951		
Gas Pay:		From 4946	To 5056	L	G	GL	Bar. Press. 12	
Producing Through:		Casing no		Tubing yes		Type Well - Single - Braden head - G.G. or G.O. Dual Gas/Gas Dual		
Date of Completion 9-9-65		Packer Baker Model D			Reservoir Temp. 160 F			

OBSERVED DATA

Tested Through:						Prover ☐		Choke ☒		Meter ☐		Type of Taps pipe	
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.			
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.				
1.	7 days					1032		1032					
2.						75	60	528		3 hours			
3.													
4.													
5.													

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 15,025 psia
1.	14.1605		87	1.000	1.000	1.000	1232
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c **24.62** (1-e^{-S}) _____ P_c **1040** P_c² **1,081,600**

No.	P _w P _t psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cd P _w	P _w P _c
1.						291,600	790,000		.270
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1610** MCFPD; n **(1.37)n 1.3068**

COMPANY **Caulkins Oil Company** WITNESSED _____

ADDRESS **Box 780, Farmington, N. M.** COMPANY _____

AGENT AND TITLE **Frank Bray** **Supt.**

