

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

Form C-122
Revised 12-1-55

Location Blanco Mesa Verde			Formation Mesa Verde			County Rio Arriba		
Initial X		Annual		Special		Date of Test 7-3-78		
Company Caulkins Oil Company			Lease Breech			Well No. 228		
Unit A	Sec. 18	Twp. 26-N	Range 6-W		Purchaser Gas Company of New Mexico			
Casing 7"	Wt. 23&26	I.D. 6.276	Set at 7325		Perf. 4949	To 5070		
Tubing 1 1/4"	Wt. 2.3#	I.D. 1.350	Set at 5069		Perf. 5069	To		
From 4949		To 5070	L 5101	G .660	GL .3366	Bar. Press.		
Producing Through:		Casing	Tubing Yes		Type Well - Single - Braden head - G.G. or G.O. Dual Gas-Gas-Gas Commingle-Gas Dual			
Date of Completion 6-26-78		Packer 5101		Reservoir Temp.				

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Taps			
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
	3/4"				612		794		7 Days
					68		540		3 Hrs.

FLOW CALCULATIONS

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 PD @ 15,025 psia
14.1605		80	1.000	1.000	1.000	1132

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
24.62 (1-e^{-S}) **0.217** P_c **806** P_c² **649,636**

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	Cal P _w	P _w P _c
	304,704	27.87	776.73	168,550	473,254	176,086	687	

Order # **5634**

ABSOLUTE POTENTIAL: **939 (30% of 3132)** MCFPD: n **3.689 2.766**

COMPANY **Caulkins Oil Company** WITNESSED _____

ADDRESS **P.O. Box 780, Farmington, N. Mex.** COMPANY _____

AGENT AND TITLE **Superintendent**