

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

Form C-122
Revised 12-1-55

Well South Blanco PC		Formation Pictured Cliffs		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. 2816	To 2718
Tubing 1 1/4"	Wt. 2.3#	I.D. 1.350	Set at 5069	Perf. 5069	To
Gas Pay:	From 2816	To 2718	L 5101	G .660	GL .3366
Bar. Press.					
Producing Through:		Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. 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.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.		3/4"				612		794		7 Days
2.						68		540		3 Hrs.
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 PD @ 15,025 psia
1.	14.1605		80	1.000	1.000	1.000	1132
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}) 0.217	P _c 806 p _c ² 649,636

No.	$\frac{P_w}{P_t}$ 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
1.		304,704	27.87	776.73	168,550	473,254	176,086	687
2.								
3.								
4.								
5.								

Order # 5634

ABSOLUTE POTENTIAL: **1566 (50% 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**

