

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

Form G-122
Revised 12-1-55

Well South Blanco		Formation Pictured Cliffs		County Rio Arriba	
Initial X	Annual	Special	Date of Test 7-12-78		
Company Caulkins Oil Company		Lease Breech "E"		Well No. 70	
Unit H	Sec. 4	Twp. 26 N	Range 6W	Purchaser Gas Company of New Mexico	
Casing 4.500	Wt. 10.5	I.D. 4.000	Set at 3110	Perf. 2940	To 2998
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at 3087	Perf. 3087	To
Gas Pay:	From 2940	To 2998	L 3087	G .660	GL 2037 Bar. Press.
Producing Through:		Casing	Tubing yes	Type Well - Single - Braden head - G.G. or G.O. Dual Single Gas	
Date of Completion 7-5-78		Packer		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"				910		910		7 Day 3 hrs
2.						74		710		
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		86	1.000	1.000	1.000	1218
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 _____

P_c _____ (1-e^{-S}) P_c **922** P_c² **850,084**

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	$\frac{1-w}{1-c}$
1.	722					521,284	328,800		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2731** MCFPD; n **2.5854 = 2.2421**

COMPANY **Caulkins Oil Company** WITNESSED _____

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

AGENT AND TITLE **Deane Blancett** Prod. Foreman

