

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

Form C-122
Revised 12-1-55

Well South Blanco		Formation Pictured Cliffs		County Rio Arriba	
Initial X	Annual	Special	Date of Test 7-31-78		
Company Caulkins Oil Company		Lease Breech B		Well No. 196	
Unit P	Sec. 7	Twp. 26 N	Range 6 W	Purchaser Gas Company of New Mexico	
Casing 4.5000	Wt. 10.5	I.D. 4.000	Set at 3750	Perf. 2730	To 3694
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at 3720	Perf. 3720	To
Gas Pay:	From 2730	To 3694	L	G	GL. Bar. Press.
Producing Through:		Casing yes	Tubing yes	Type Well - Single - Braden head - G.G. or G.G. Dual Gas-Gas- Commingled	
Date of Completion 7-24-78		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				895		935		7 Days
2.						48		780		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 _{cp}	Rate of Flow Q-MCF P.D. @ 15.025 psia
1.	14.1605		60	1.000	1.000	1.000	850
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 _____ (1-e^{-S}) _____ P_c **947** P_c² **896,809**

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	Cul P _w	P _w P _c
1.						627,264	269,545		
2.									
3.									
4.									
5.									

Order # **R-5648**

ABSOLUTE POTENTIAL: **1465** (70% of 2093) MCFPD: n **3.328 = 2.463**

COMPANY **Caulkins Oil Company** WITNESSED _____

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

AGENT AND TITLE **Deane B. Blumett** Prod. Foreman

