

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

Form G-122
Revised 12-1-55

Well <u>South Blanco PC 8</u> Otero-Chacra		Location <u>PC 8</u> Chacra		County Rio Arriba	
Initial <u>X</u>	Annual	Special	Date of Test <u>7-26-78</u>		
Company <u>Caulkins Oil Company</u>		Lease <u>Breech "A"</u>		Well No. <u>675</u>	
Butt <u>J</u>	Sec. <u>8</u>	Twp. <u>26 N</u>	Range <u>6 W</u>	Purchaser <u>Gas Company of New Mexico</u>	
Casing <u>4.500</u>	Wt. <u>10.5</u>	I.D. <u>4.000</u>	Set at <u>3690</u>	Perf. <u>2724</u>	To <u>3731</u>
Tubing <u>1 1/4</u>	Wt. <u>2.40</u>	I.D. <u>1.380</u>	Set at <u>3703</u>	Perf. <u>3703</u>	To
Gas Pay:	From <u>2724</u>	To <u>3731</u>	L <u>3703</u>	G <u>.660</u>	GL <u>2444</u>
Producing Through:		Casing	Tubing <u>yes</u>	Type Well - Single - Braden head - G.G. or G.C. Dual <u>Single Commingled</u>	
Date of Completion <u>7-19-78</u>		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.	
1.		<u>3/4</u>				<u>864</u>		<u>805</u>	
2.						<u>86</u>		<u>650</u>	
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.	<u>14.1605</u>		<u>98</u>	<u>1.000</u>	<u>1.000</u>	<u>1.000</u>	<u>1387</u>
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 <u>24.62</u> ($1-e^{-S}$) <u>0.163</u>	P_c <u>876</u> p_c^2 <u>767,376</u>

No.	$\frac{P_w}{P_t}$ psia	P_t^2	$\frac{P_w}{P_c}$	$(\frac{P_w}{P_c})^2$	$(\frac{P_w}{P_c})^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.	<u>622</u>					<u>438,244</u>	<u>229,245</u>		
2.									
3.									
4.									
5.									

1931 = 70% for PC Order # R-5648
 ABSOLUTE POTENTIAL: 786 (30% of 2,617) MCFPD; $\bar{Q}$ 2.3315 = 1.8868

COMPANY Caulkins Oil Company WITNESSED _____

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

AGENT AND TITLE Demetrius Blaney Prod. Foreman

