

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

Form C-122

Revised 12-1-55

Well Otero-Chacra		Formation Chacra		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 1/2	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 3598	To 3694	L	G	GL Bar. Press.
Producing Through:		Casing	Tubing yes	Type Well - Single - Braden head - G.G. or G.O. 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)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 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 Liquid _____

P_c _____ (1-e⁻⁵) P_c **947** P_c **896,809**

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _Q	(F _Q) ²	(F _Q) ² (1-e ⁻⁵)	$\frac{P_w^2}{P_c^2}$	$\frac{P_c^2 - P_w^2}{P_c^2}$	Cd P _w	$\frac{P_w}{P_c}$
1.						627,264	269,545		
2.									
3.									
4.									
5.									

Order # **R-5643**

ABSOLUTE POTENTIAL: **628 (30% 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 **Dwight Blance** Prod. Foreman

