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

Form C-122
Revised 12-1-55

Pool: Otero-Chacra	Formation: Chacra		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
Casing: 7"	Wt.: 23&26	I.D.: 6.276	Set at: 7325
Tubing: 1 1/4"	Wt.: 2.3#	I.D.: 1.350	Set at: 5069
Gas Pay: From 3725	To 3600	L 5101	G .660
Producing Through:	Casing	Tubing X	Type Well -- Single -- Braden head -- G.G. or G.O. Dual: Gas-Gas-Gas Commingled-Gas Dual
Date of Completion: 6-26-78	Packer 5101	Reservoir Temp.	

Purchaser: Gas Company of New Mexico
Perf. 3725 To 3600
Perf. 5069 To
GL .3366 Bar. Press.

OBSERVED DATA

Tested Through: Prover [ ] Choke [X] Meter [ ] Type of Taps

No.	FLOW DATA (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
SI		3/4"				612		794		7 Days
1.						68		540		3 Hrs.
2.										
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-MCFPD @ 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 _____
P_c 24.62 $(1-e^{-S})$ 0.217 P_c 806 P_c^2 649,636

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	$P_c^2 - P_w^2$	Cal P_w	P_w / P_c
1.		304,704	27.87	776.73	168,550	473,254	176,086	687	.878
2.									
3.									
4.									
5.									

Order # 5634
ABSOLUTE POTENTIAL: 626 (20% fo 3132) MCFPD; n 3.689 2.766

COMPANY Caulkins Oil Company WITNESSED _____

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

AGENT AND TITLE Charles Chequer Superintendent