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

Form C-122
Revised 12-1-55

Pool	Formation	County
South Blanco	Pictured Cliffs	Rio Arriba

Initial	Annual	Special	Date of Test
X			8-19-77

Company	Lease	Well No.
Caulkins Oil Company	Breech	314

Unit	Sec.	Twp.	Rge.	Purchaser
P	18	26 N	6 W	Gas Co. of New Mexico

Casing	Wt.	I.D.	Set at	Perf.	To
4 1/2	10.5	4.0	4054	3000	3050

Tubing	Wt.	I.D.	Set at	Perf.	To
1"	1.7	1.049	3012	3012	

Gas Pay: From	To	L	G	GL	Bar. Press.
2999	3050				

Producing Through: Casing	Tubing	Type Well – Single – Bradenhead – G.G. or G.O. Dual
	Yes	Gas=Gas Dual

Date of Completion	Packer	Reservoir Temp.
8-12-77	3066	

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	7 days					895		895		
1.						51		530		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		63	1.000	1.000	1.000	892
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 907 P_c^2 822,649

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.						293,764	528,885		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 1,299 MCFPD; n ;85

COMPANY Caulkin s Oil Company WITNESSED _____

ADDRESS P. O. Box 340, Bloomfield, New Mex. COMPANY _____

AGENT AND TITLE Charles Gruver Supt.

RECEIVED AUG 29 1977 OIL CON. COM. DIST. 3