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

Form C-122
Revised 12-1-55

Pool: South Blanco	Formation: Pictured Cliffs		County: Rio Arriba
Initial: X	Annual:	Special:	Date of Test: 8-18-77
Company: Caulkins Oil Company	Lease: Breech A		Well No.: 291
Unit: J	Sec.: 17	Twp.: 26 N	Range: 6W
Casing: 4 1/2	Wt.: 10.5	I.D.: 4.000	Set at: 4050
Tubing: 1"	Wt.: 1.7	I.D.: 1.049	Set at: 3048
Gas Pay: From 3015	To: 3110	L:	G:
Producing Through: Casing		Tubing: Yes	Type Well – Single – Bradenhead – G.G. or G.O. Dual: Gas-Gas Dual
Date of Completion: 8-11-77	Packer: 3132	Reservoir Temp.:	

Perf.: 3017 To: 3100
Perf.: 3048 To:
GL: Bar. Press.:

OBSERVED DATA

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

No.	(Prover) (Line) Size	(Choke) (Orifice) Size	FLOW DATA 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					879		879		
1.						26		250		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		38	1.000	1.000	1.000	538
2.							
3.							
4.							
5.							

F_g = 1.000 c

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
c _____ $(1-e^{-s})$ _____ P_c 891 P_c^2 793,881

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.						68,644	725,237		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 581 MCFPD; n .85

COMPANY Caulkins Oil Company WITNESSED _____

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

AGENT AND TITLE Charles Vergun Supt.

RECEIVED
AUG 22 1977
OIL CON. COM.
DIST. 3