

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

Form C-122

Revised 12-1-55

Well South Blanco		Formation Pictured Cliffs		County Rio Arriba	
Initial AA	Annual	Special	Date of Test 7-9-77		
Company Caulkins Oil Company		Lease Breech "A"		Well No. 264	
Unit H	Sec. 17	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 4110	Perf. 3112	To 3168
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at 3112	Perf. 3112	To
Gas Pay:	From 3112	To 3168	L	G	GL Bar. Press.
Producing Through:		Casing	Tubing	Type Well - Single - Braden head - G.C. or G.O. dual Gas-Gas dual	
Date of Completion 6-19-77		Packer 3197		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.	7 Days					780		780	
2.						36		537	3 hrs.
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/D @ 15.025 psia
1.	14.1605		48	1.000	1.000	1.000	679
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 **792** p_c² **627,264**

No.	$\frac{P_w}{P_t}$ psia	P _t ²	P _c Q	(P _c Q) ²	(P _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{1}{P_c}$
1.						301,401	325,863		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1265** MCFPD: n **.35**

COMPANY **Caulkins Oil Company** WITNESSED _____

ADDRESS **P.O. Box 340, Bloomfield, New Mexico** COMPANY _____

AGENT AND TITLE **Charles Argue** Superintendent