

**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 X	Annual	Special	Date of Test 7-26-78		
Company Caulkins Oil Company		Lease Breech "A"		Well No. 675	
Joint J	Sec. 8	Twp. 26 N	Range 6 W	Purchaser Gas Company of New Mexico	
Casing 4.500	Wt. 10.5	I.D. 4.000	Set at 3690	Perf. 2724	To 3731
Tubing 1 1/4	Wt. 2.40	I.D. 1.380	Set at 3703	Perf. 3703	To
Gas Pay:	From 2724	To 3731	L. 3703	G. .660	GL. 2444
Producing Through:		Casing yes	Tubing	Type Well - Single - Braden head - G.C. or G.C. dual Gas Commingled	
Date of Completion 7-19-78		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through:								Type of Tests		
Prover ☐ Choke ☒ Meter ☐										
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW Hrs
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				864		805		7 days
2.						86		650		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	Comp. Factor F _{pv}	Rate of Flow Q _{sc} (SCFD) at 14.7 psia
1.	14.1605		98	1.000	1.000	1.000	1387
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^{-0.5}) **0.163** P_c **876** P_c² **767,376**

No.	P _w P _t psia	P _t ²	P _c Q	(P _c Q) ²	(P _c Q) ² (1-e ^{-0.5})	P _w ²	P _c ² - P _w ²	Cal P _w	P _w P _c
1.	662					438,244	329,132		
2.									
3.									
4.									
5.									

Order # **R-5648**

ABSOLUTE POTENTIAL: **1331** (70% of 2,617) MCFPD: **n** **2.3315 = 1.8868**

COMPANY **Caulkins Oil Company** WITNESSED _____

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

AGENT AND TITLE **Dan J. Blum** Prod. Foreman

