

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

Form C-172
Revised 12-1-55

Well South Blanco		Formation Pictured Cliffs		County Rio Arriba	
Initial X	Annual	Special	Date of Test 8-29-78		
Company Caulkins Oil Company		Lease Breech "D"		Well No. 212	
Grat P	Sec. 11	Twp. 26N	Range 6W	Purchaser Gas Company of New Mexico	
Casing 4 1/2"	Wt. 10.5	I.D. 4.000	Set at 3140	Perf. 3055	To 3120
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at 3060	Perf.	To
Gas Pay: From 3055 To 3120		L.	G.	GL.	Bar. Press.
Producing Through:		Casing	Tubing yes	Type Well - Single - Braden head - G.G. or G.O. Dual Single Gas	
Date of Completion 8-22-78		Packer		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.	Temp. °F.	
1.		3/4"				915		915		7 days
2.						75		690		3 hrs
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	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		87	1.000	1.000	1.000	1232
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 _____

F_c _____ (1-e^{-S}) _____ P_c **927** P_c² **859,325**

No.	$\frac{P_w}{P_t}$ 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	$\frac{P_w}{P_c}$
1.	702					492,804	366,525		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 2,542 MCFPD: n 2.34 = 2.06

COMPANY Caulkins Oil Company WITNESSED _____

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

AGENT AND TITLE Deuzge Blawett Prod. Foreman