

**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 7-29-78		
Company Caulkins Oil Company		Lease Breech D		Well No. 640	
Unit A	Sec. 11	Twp. 26 N	Range 6 W	Purchaser Gas Company of New Mexico	
Casing 4.500	Wt. 10.5	I.D. 4.000	Set at 3235	Perf. 3088	To 3201
Tubing 1	Wt. 1.7	I.D. 1.049	Set at 3088	Perf. 3088	To
Gas Pay: From 3088 To 3201		L 3088 G .660		GL 2038	Bar. Press.
Producing Through:		Casing	Tubing yes	Type Well - Single - Budden head - G.G. or G.O. Dual Single Gas	
Date of Completion 7-21-78		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.	
1.		3/4				981		995	
2.						76		660	
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 - MCF PD @ 15,025 psia
1.	14.1605		88	1.000	1.000	1.000	1246
2.							
3.							
4.							
5.							

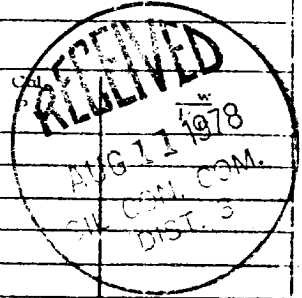
PRESSURE CALCULATIONS

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 **1007** p_c **1,014,049**

No.	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
1.	672					451,584	562,465
2.							
3.							
4.							
5.							



ABSOLUTE POTENTIAL: 2,056 **MCFPD: n** 1.80 = 1.65

COMPANY Caulkins Oil Company **WITNESSED** _____

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

AGENT AND TITLE Dwaine Blumett **Prod. Foreman**