

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 6-19-77		
Company Caulkins Oil Company		Lease Bredch "C"		Well No. 141	
Unit D	Sec. 12	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 3225	Perf. 3120	To 3178
Tubing 1"	Wt. 1.7	I.D. 1.049	Set at 3212	Perf. 3212	To
Gas Pay:	From 3120	To 3178	L	G	GL
Producing Through:		Casing	Tubing	Type Well -- Single -- Borden head -- G.G. or G.O. Head	
Date of Completion 6-11-77		Packer	Reservoir Temp.		
Single Gas					

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.	7 days					1015		1015		3 hrs.
2.						40		690		
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) @ 14.7 psia
1.	14.1605		52	1.000	1.000	1.000	736
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_e _____ (1-e⁻⁵) P_e _____ P_c² _____

No.	$\frac{P_w}{P_t}$ psia	P_t^2	$F Q_c$	$(F Q_c)^2$	$(F Q_c)^2 (1-e^{-5})$	P_w^2	$P_c^2 - P_w^2$	$\frac{C_d}{P_c}$	$\frac{h_w}{P_c}$
1.						492,804	537,421		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1305** MCFPD; n **85**

COMPANY **Caulkins Oil Company** WITNESSED _____
 ADDRESS **P.O. Box 340, Bloomfield, N.M.** COMPANY _____
 AGENT AND TITLE **Superintendent**

This acreage dedicated to Gas Company of New Mexico.

