

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

Form C-122
Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County Rio Arriba	
Initial yes		Annual no		Special no	
Date of Test August 29, 1965					
Company Caulkins Oil Company		Lease Breach "A"		Well No. 289 (MD)	
Unit D	Sec. 17	Twp. 26N	Range 6W	Purchaser Southern Union Gas Company	
Casing 1 1/2"	Wt. 10.5 & 11.6	I.D. 4.000	Set at 7311	Perf. 6980	To 7160
Tubing 1 1/4"	Wt. 2.4	I.D. 1.380	Set at 6954	Perf. 6954	To 6954
Gas Pay: From 6980		To 7160		Bar. Press. 12	
Producing Through: no		Casing yes		Type Well — Single — Braden head — G.G. or G.O. Dual STANDARD Dual Gas/Gas	
Date of Completion August 29, 1965		Packer Baker Model D at 6944		Reservoir Temp. 185° F	

OBSERVED DATA

Tested Through:		Prover ☐	Choke ☒	Meter ☐	Type of Taps pipe					
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.
SI	7 days					2225		Pkr		3 hours
1.						264	70	Pkr		
2.										
3.										
4.										
5.										

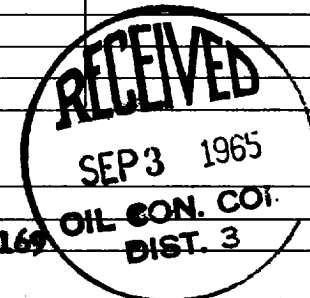
FLOW CALCULATIONS

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 P D @ 15.025 psia
1.	14.1605		276	.9905	1.000	1.022	3956
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 **24.62** (1-e^{-S}) **0.262** P_c **2237** P_c² **5,004,169**

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.									
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **6777** MCFPD; n **(2.05)n 1.7132**

COMPANY **Caulkins Oil Company** WITNESSED _____

ADDRESS **Box 780, Farmington, New Mexico** COMPANY _____

AGENT AND TITLE **Frank Bray Supt.**