

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

Form C-122
Revised 12-1-55

Pool Blanco Mesa Verde		Formation Mesa Verde		County Rio Arriba	
Initial Yes	Annual no	Special no	Date of Test 10-6-65		
Company Caulkins Oil Company		Lease Breech "D"		Well No. 341 307 (MD)	
Unit B	Sec. 21	Twp. 26 N	Range 6 W	Purchaser Southern Union Gas Company	
Casing 4 1/2"	Wt. 10.5 & 11.6	I.D. 4.000	Set at 7494	Perf. 5146	To 5310
Tubing 1"	Wt. 1.72	I.D. 1.049	Set at 5245	Perf. 5245	To 5245
Gas Pay:	From 5146	To 5310	L	G	GL Bar. Press. 12
Producing Through:		Casing no	Tubing yes	Type Well - Single - Braden head - G.G. or G.O. Dual Gas/Gas Dual	
Date of Completion 9-17-65		Packer Baker Model F @ 5340		Reservoir Temp. 160 F	

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.	
SI	7 days					1081		1085		
1.		.50	98			98	60	637		3 hours
2.										
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 PD @ 15.025 psia
1.	6.1155		110	1.000	1.000	1.000	673
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 **1097** P_c² **1,203,409**

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.						421,201	782,208		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **930** MCFPD; n **(1.54) 1.3823**

COMPANY **Caulkins Oil Company** WITNESSED _____

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

AGENT AND TITLE *Frank Gray* Supt.

