

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 X		Annual		Date of Test 7-15-65	
Company Caulkins Oil Company		Lease Breech "A"		Well No. (D)-125	
Unit D	Sec. 8	Twp. 26 N	Range 6 W	Purchaser Southern Union Gas Company	
Casing 4 1/2" 7"	Wt. 11.6# 23 & 26#	I.D. 4.00 6.276	Set at 6205 to 7593 6881	Perf. 7330	To 7564
Tubing 2-7/8"	Wt. 6.50	I.D. 2.441	Set at 7301	Perf. 7301	To
Gas Pay:	From 7330	To 7564	L 7301	G .600	GL 4381 Bar. Press. 12
Producing Through: no		yes		Type Well - Single - Braden head - G.G. or G.O. Dual Single Gas	
Date of Completion 7-8-65		Packer none		Reservoir Temp. 185	

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						2407				7 day SI
1.		3/4"	553			553	70	970		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 P D @ 15.025 psia
1.	14.1605		565	.9905	1.000	1.075	8519
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 **2437** P_c² **5,938,969**

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.	982					964,324	4,874,645		.403
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **9828** MCFPD; n(1.21)n 1.1536

COMPANY **Caulkins Oil Company** WITNESSED _____

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

AGENT AND TITLE *John W. [Signature]* Supt.

