

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 *	Annual no	Special no	Date of Test 8-21-65		
Company Caulkins Oil Company		Lease Breach "D"		Well No. 185 (D)	
Unit L	Sec. 11	Tw. 26 N	Range 6 W	Purchaser Southern Union Gas Company	
Casing 4 1/2" & 7"	Wt. 11.6	I.D. 4.00	Set at 7502	Perf. 7172	To 7430
Tubing 2-7/8"	Wt. 23.0	I.D. 6.276	Set at 6722	Perf. 7406	To 7406
Gas Pay: 7172		From 7430		To 600	
Casing		Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual	
Producing Through: no		Packer yes		Reservoir Temp. Single gas	
Date of Completion 8-14-65		none		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		3/4"				1935	70	2406	70	3 hours
1.		3/4"	649			649	70	1139	70	
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		661	.9905	1.000	1.090	10,105
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 **2418** P_c² **5,846,724**

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.	1151					1,324,801	4,521,923		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **12,231** MCFPD; n **(1.29)n 1.210**

COMPANY **Caulkins Oil Company** WITNESSED _____

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

AGENT AND TITLE **Supt. Frank Brown**

