

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 11-25-65		
Company Caulkins Oil Company		Lease Breesh		Well No. 307 (MD)	
Unit M	Sec. 13	Twp. 26 N	Range 7 W	Purchaser Southern Union Gas Company	
Casing 4-1/2"	Wt. 10.5 & 11.6	I.D. 4.000	Set at 7023	Perf. 4602	To 4740
Tubing 1"	Wt. 1.72	I.D. 1.049	Set at 4595	Perf. 4595	To 4595
Gas Pay:	From 4602	To 4740	L 4	G 5	GL 12
Producing Through:		Casing no	Tubing yes	Type Well - Single - Braden head - G.G. or G.O. Dual Gas/Gas Dual	
Date of Completion 10-19-65		Packer Baker Model F 4758-4761		Reservoir Temp. 185	

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						996		1004		7 days
1.		.50"	102			102	60	580		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.	6.1155		114	1.000	1.000	1.000	697
2.							
3.							
4.							
5.							

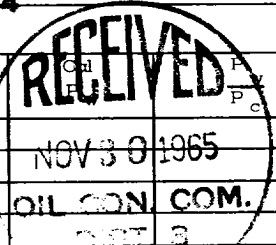
PRESSURE CALCULATIONS

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 **1012** P_c² **1,024,144**

No.	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
1.	592					350,464	673,680
2.							
3.							
4.							
5.							



ABSOLUTE POTENTIAL: **954** MCFPD; n **(1.52)** n **1.3689**

COMPANY **Caulkins Oil Company** WITNESSED _____

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

AGENT AND TITLE **Frank Bray** **Superintendent**