

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 8-27-65		Lease Bresch "C"		Well No. 323 (D)	
Company Caulkins Oil Company		Range 6 W		Purchaser Southern Union Gas Company	
Unit M	Sec. 14	Twp. 26 N			
Casing 4 1/2"	Wt. 10.5 11.6	I.D. 4.000	Set at 7656	Perf. 7346	To 7608
Tubing 2-3/8" OD	Wt. 4.7	I.D. 1.995	Set at 7327	Perf. 7327	To 7327
Gas Pay:	From 7346	To 7608	L 7608	G 7327	GL 7327
Producing Through:		Casing no	Tubing yes	Type Well - Single - Braden head - G.G. or G.O. Dual Single gas well	
Date of Completion 8-27-65		Packer none		Reservoir Temp. 185° F	

OBSERVED DATA

Tested Through:								Type of Taps pipe		
Prover ☐ Choke ☒ Meter ☐										
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.	
1.		3/4"				2444		2469	Shut in	7 days
2.		3/4"				400	70	981	70	3 hours
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.	14.1605		412	.9905	1.000	1.032	5963
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 **2481** P_c^2 **6,155,361**

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 $\frac{P}{P_w}$	$\frac{P}{P_c}$
1.						986,049	5,169,312	993	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **6794** MCFPD: **n (1.19)n 1.1393**

COMPANY **Caulkins Oil Company** WITNESSED _____

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

AGENT AND TITLE **Frank J. Supt.**

