

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 9-24-65		Company Caulkins Oil Company		Lease Breech "D"	
Well No. 341 (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. 7210	To 7400
Tubing 1 1/2"	Wt. 2.33	I.D. 1.380	Set at 7201	Perf. 7197	To 7201
Gas Pay: 7210	From 7400	To 7197	L .600	G 4318	GL 12
Producing Through: no		Casing 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. 185 F	

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.	
1.	7 days	.75"				2405	60	Pkr		3 hours
2.						247		"		
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		259	1.000	1.000	1.020	3741
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 **24.62** $(1-e^{-S})$ **.269** P_c **2405** P_c^2 **5,784,025**

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 $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.	259	67.1	92.10	8482	2281.6	2,348,700	3,435,325	1533	.637
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5520** MCFPD; n **(1.68)n** **1.4756**

COMPANY **Caulkins Oil Company** WITNESSED _____

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

AGENT AND TITLE **Frank Gray** Superintendent

