

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 12-1-55

Basin <u>Dakota</u>		Formation <u>Dakota</u>		County <u>Rio Arriba</u>	
Initial <u>X</u>	Annual	Special	Date of Test		
Company <u>Caulkins Oil Company</u>		Lease <u>Breech</u>		Well No. <u>228</u>	
Unit <u>A</u>	Sec. <u>18</u>	Twp. <u>26-N</u>	Range <u>6-W</u>	Purchaser <u>Gas Company of New Mexico</u>	
Casing <u>7"</u>	Wt. <u>23&26</u>	I.D. <u>6.276</u>	Set at <u>7325</u>	Perf. <u>6979</u>	To <u>7194</u>
Tubing <u>2 3/8"</u>	Wt. <u>4.7#</u>	I.D. <u>1.991</u>	Set at <u>7115</u>	Perf. <u>7115</u>	To
Gas Pay: <u>6979</u>	From <u>7194</u>	To <u>7115</u>	L. <u>.660</u>	G. <u>4696</u>	GL. Bar. Press.
Producing Through: <u>Casing</u>		Tubing <u>Yes</u>		Type Well - Single - Braden head - G.G. or G.O. Dual <u>Gas-Gas-Gas Commingled-Gas Dual</u>	
Date of Completion <u>6-26-78</u>		Packer <u>5101</u>		Reservoir Temp.	

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.	
5.		<u>3/4"</u>				<u>1975</u>		<u>PKR</u>		<u>7 Days</u>
1.						<u>105</u>		<u>PKR</u>		<u>3 Hrs.</u>
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.	<u>14.1605</u>		<u>117</u>	<u>1.000</u>	<u>1.000</u>	<u>1.000</u>	<u>1657</u>
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 _____

P_c 9.402 (1-e^{-S}) 0.284 P_c 1987 P_c² 3,948,169

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	$\frac{(F_c Q)^2}{(1-e^{-S})}$	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.	<u>117</u>	<u>13,689</u>	<u>15.80</u>	<u>242,709</u>	<u>68,929</u>	<u>82,613</u>	<u>3,865,551</u>		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 1,683 MCFPD: n 1.02 X .75 = 1.02

COMPANY Caulkins Oil Company WITNESSED _____

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

AGENT AND TITLE Charles Deque Superintendent

