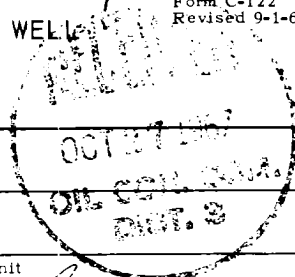


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 10-25-67			
Company Caulkins Oil Company				Connection					
Pool Basin Dakota				Formation Dakota					
Completion Date 10-12-67		Total Depth 7550		Plug Back TD 7519		Elevation 6536 DF		Farm or Lease Name Breech "E"	
Csq. Size 4.500	Wt. 10.5	d 11.6	Set At 4.000	Perforations: From 7222 To 7492		Well No. 89			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7234	Perforations: From 7230 To 7234		Unit Sec. Twp. Rge. L 3 26N 6W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 185^a		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps Pipe	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 days						2181		2420	
1.	3/4"						382		1307	3 hours
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	14.1605		394	1.000	1.000	1.039	5797
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.42}$				$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.3008}$			
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{7541}$							

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		1319	1,740	4,175
2.				
3.				
4.				
5.				

Absolute Open Flow 7541 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n 75	
Remarks: _____					
Approved By Commission:		Conducted By:		Calculated By:	
				Checked By:	