

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

Form C-124
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-5-75	
Company Caulkins Oil Company				Connection			
Pool Otero- Chacra				Formation Chacra		Unit	
Completion Date 7-25-75		Total Depth 3680		Plug Back TD 3680		Elevation 6516 Gr.	
Csg. Size 4 1/2"		Wt. 10.5		Set At 3680		Perforations: From 3568 To 3588	
Tub. Size 1 1/4"		Wt. 2.3		Set At 3549		Perforations: From None To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual						Packer Set At 3549	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g		County Rio Arriba	
%		%		%		State New Mexico	
%		%		%		Prover	
%		%		%		Meter Run	
%		%		%		Taps	

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.	Temp. °F	of Flow
1.	7 Days						1196		PKR		3 hrs.
2.							58		PKR		
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	14.1605		70	1.000	1.000	1.000	991
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1208	P _c ² 1,459,264	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.07$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.052$
NO.	P _t ²	P _w	P _w ²
1.	4,900	317	94,195
2.			
3.			
4.			
5.			

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

