

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-6-75	
Company Caulkins Oil Company				Connection	
Pool Otero Chacra				Formation Chacra	
Completion Date 8-30-75		Total Depth 4050		Plug Back TD 4050	
Elevation 6623		Farm or Lease Name Sanchez			
Csg. Size 4.5	Wt. 10.5	d 4.052	Set At 4050	Perforations: From 3796 To 3906	
Tbg. Size 1 1/4	Wt. 2.3	d 1.380	Set At 3744	Perforations: From None To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual				Packer Set At 3744	
Producing Thru Tubing		Reservoir Temp. °F @		Baro. Press. - P _a	
L		H		State New Mexico	
Gg		% CO ₂		% N ₂	
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.	
SI	7 Days						860		Pkr.	
1.							60		Pkr.	3 hrs.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	14.1605		72	1.000	1.000	1.000	1020
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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.
5.					Critical Temperature	R

P _c 872	P _c ² 760,384	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.17$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1249$
NO	P _t ²	P _w	P _w ²
1	5,184	329	108,597
2			
3			
4			
5			

Absolute Open Flow 1147 Mcfd @ 15.025		Angle of Slope θ	Slope, n 75
Remarks:			
Approved By Commission:	Conducted By:	Calculated By:	Checked By: