

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 9-7-78	
Company Caulkins Oil Company				Connection			
Pool Ctero Chacra				Formation Chacra		Unit	
Completion Date 8-31-78		Total Depth 6746		Plug Back TD 5490		Elevation 6505 Gr.	
Form or Lease Name Breech E							
Csq. Size 7"	Wt. 23#	d 6.366	Set At 6746	Perforations: From 3887 To 3897		Well No. 104	
Tbg. Size 1 1/4	Wt. 2.3#	d 1.350	Set At 5102	Perforations: From 5102 To		Unit Sec. Twp. Rge. P 5 26N 6W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingle Single Gas				Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Provel	Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Provel 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 day						1083		1108	
1.							45		524	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		57	1.000	1.000	1.000	807
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 _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ R.S.I.A.
5.					Critical Temperature _____ R _____ R

$P_c = 1210$ $P_c^2 = 1,464,100$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

$(1) \frac{P_c^2}{P_c^2 - P_w^2} =$

$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$

1.244

Chacra- 40% 951 = 381 MCFPD

Absolute Open Flow 951 Mcfd @ 15.025	Angle of Slope θ .75	Slope, n 1.178
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Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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