

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 9-8-78				
Company Caulkins Oil Company				Connection					
Pool Otero Chacra				Formation Chacra				Unit	
Completion Date 9-1-78		Total Depth 3976		Plug Back TD 3976		Elevation 6530 Gr.		Farm or Lease Name Reuter	
Csg. Size 4 1/2"	Wt. 10.5	d 4.000	Set At 3976	Perforations: From 3744 To 3855				Well No. 297	
Tbg. Size 1 1/4"	Wt. 2.34	d 1.350	Set At 3820	Perforations: From 3820 To				Unit Sec. Twp. Rge. L 15 26N 6W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Cormingle Single Gas					Packer Set At		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. *F 8		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	

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 Day						561		583	
1.							26		311	
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		38	1.000	1.000	1.000	538
2.							
3.							
4.							
5.							

NO.	P _f	Temp. *R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbon	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _f	P _w	P _w ²	P _c ² - P _w ²
1	595	354.025		
2				
3				
4				
5				

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.418$

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

Absolute Open Flow 699	Chacra-30% of 699 = 209	Mcf @ 15.025	Angle of Slope @ .75	Slope, n 1.299
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Remarks:

Approved by Commission:	Conducted by:	Calculated by:	Checked by:
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