

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 11-18-74			
Company Caulkins Oil Co.						Connection			
Pool Otero- Chacra						Formation Chacra		Unit	
Completion Date 11-8-74		Total Depth 3380		Plug Back TD 3380		Elevation 6165		Farm or Lease Name Breech	
Cas. Size 4"	Wt. 12.6	d 3.958	Set At 3380	Perforations: From 3223 To 3326		Well No. 354			
Tbg. Size 1 1/4"	Wt. 2.3	d 1.380	Set At 3160	Perforations: From none To		Unit Sec. Twp. Rys. H 24 26N 7W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple						Packer Set At 3160		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		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.		Temp. °F
SI	7 days						955		PKR		
1.							70		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14.1605		82	1.000	1.000	1.000	1161
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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1	967	935,089			
1		6,724	349	121,910	813,179
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.15$

AGF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1289$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1105$

Absolute Open Flow _____ 1289 _____ Mcfd @ 15.025	Angle of Slope @ _____ 75 _____	Slope, n _____
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Remarks: _____

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