

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 10-16-74	
Company Caulkins Oil Co.				Connection			
Pool Otero Chacra				Formation Chacra		Unit	
Completion Date		Total Depth		Plug Back TD		Elevation	
Farm or Lease Name Breech D							
Csg. Size	Wt.	d	Set At	Perforations: From To		Well No. 387	
Tbg. Size 1 1/4	Wt. 2.4	d	Set At 3872	Perforations: From To		Unit Sec. Twp. Rye.	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple				Packer Set At 3872		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 104 @		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
pipe							

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.	
1.	7 days						930		PKR	
2.	3/4"						58		PKR	
3.										
4.										
5.										

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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		70	1.000	1.000	1.000	991
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

$P_c^2 = 4,900$ $P_w^2 = 326$ $P_w^2 - P_c^2 = 106,101$ $P_c^2 - P_w^2 = 781,266$

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.14$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1032$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.093$

Absolute Open Flow 1093 Mcfd @ 15.025		Angle of Slope @ _____	Slope, n 75
Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By:	Checked By: