

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 9-24-67	
Company Joseph B. Gould				Connection EPNG		
Pool Otero, Chacra				Formation Chacra		Unit
Completion Date 9-24-67		Total Depth 3855		Plug Back TD 3815		Elevation 6633 Gr.
Csg. Size 4 1/2	Wt. 9.5	d 4.09	Set At 3850	Perforations: From 3765 To 3785		Well No. 2
Thg. Size 1 1/4	Wt. 2.4	d 1.38	Set At 3810	Perforations: From Open End To		Unit Sec. Twp. Rge. G 35 26N 6W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single-Gas				Packer Set At None		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 118 @ 3765		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia
State New Mexico						
L 3810	H	Gg .65	% 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	1 1/4		3/4				945		947		
1.	1 1/4		3/4	108		48	108		662		3 hr
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, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		120	1.07117	.9608	1.013	1461
2.							
3.							
4.							
5.							

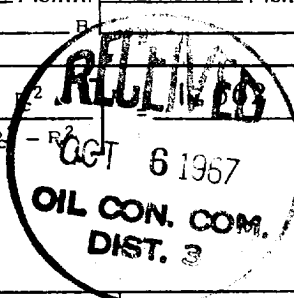
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.696$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2428$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2428$



Absolute Open Flow	2428	Mcf @ 15.025	Angle of Slope θ	Slope, n
Remarks:				
Approved By Commission:	Conducted By: <i>L. Ray</i>	Calculated By: <i>L. Ray</i>	Checked By:	