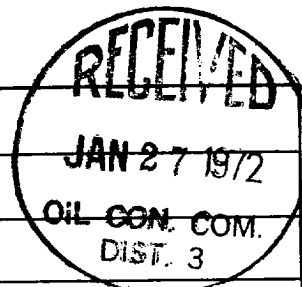


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-19-72	
Company Continental Oil Company				Connection Unconnected			
Pool Otero				Formation Chacra		Unit	
Completion Date 12-30-71		Total Depth 5203' KB		Plug Back TD 5166' KB		Elevation 6524' Grd	
Csg. Size 5 1/2" OD		Wt. 14#		Set At 5203' KB		Perforations: From 3566' To 3586' KB	
Tbg. Size 1.66"		Wt. 2.40		Set At 3580' Grd		Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas - Gas Dual						Packer Set At 4794' GR	
Producing Thru Tubing		Reservoir Temp. °F 107° @ 3566' Grd		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2	
L 3580'		H 3580'		G _g .680		% CO ₂ ---	
				% N ₂ ----		% H ₂ S ---	
						3/4" Choke Nipple	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI							S-1 16 Days
1.	3/4" Choke Nipple		55			47°	3 Hours
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	9.604		67.2	1.013	1.213	1.000	793
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 .680		
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		
P _c 817.2 P _c ² 667.8					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1801$		
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1322$		
1		319.2	101.9	565.9			
2							
3							
4							
5							
Absolute Open Flow 898 Mcfd @ 15.025					Angle of Slope @ _____		Slope, n .75
Remarks:							
Approved By Commission:		Conducted By: E. B. Errett		Calculated By: E. B. Errett		Checked By: D. B. Barnes	