

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 10-12-79	
Company Caulkins Oil Company		Connection	
Pool Otero Chacra		Formation Chacra	
Completion Date 10-5-79	Total Depth 3980	Plug Back TD 3980	Elevation 6570 Gr.
Form or Lease Name Breech A		Well No. 125	
Coq. Size 7" Wt. 23# 4 1/2 10.5#	d 6.366 4.000	Set At 2937 2804-3980	Perforations: From 2956 To 3865
Thq. Size 1" Wt. 1.7#	d 1.315	Set At 3807	Perforations: From 3807 To
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Daul G-G Commingle		Packer Set At None	County Rio Arriba
Producing Thru Tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _a New Mexico
L	H	G _g	% 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							411		416	
1.							24		307	
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		36	1,000	1,000	1,000	510
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = \frac{2.24}{}$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = \frac{1.8369}{}$
1		319	101,761	81,423		
2						
3						
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____	Slope, n _____ 75
Remarks: 70% Pictured Cliffs equals 659 MCFPD 30% Chacra equals 278 MCFPD			
Approved by Division	Conducted by:	Calculated by:	Checked by: