

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-31-85	
Company TENNECO OIL CO.		Connection	
Pool OTERO		Formation CHACRA	
Completion Date	Total Depth 4806	Plug Back TD 4756	Elevation
Csq. Size 7" 4 1/2"	WI.	Set At 3437 4803	Perforations: From 3074 To 3083
Trq. Size 1 1/4"	WI.	Set At 3197	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At 3250	County SAN JUAN
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a NEW MEXICO
L	H	G _g .680	% 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
1.	2x6x.75						925		925		3 hours
2.							110		668	48	
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.	11		122	1.112	1.213	1.0138	1835
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.18	508	1.32	.973	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 _r 937	P _r ² 877969	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1127$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8885$
NO	P _r ²	P _w	P _w ²
1		680	462400
2			415569
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3465$

Absolute Open Flow 3465	Mcf @ 15.025	Angle of Slope θ	Slope, n 85
Remarks:			
Approved By Division			
Conducted By:		Calculated By:	
		Checked By:	