

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-6-86			
Company TENNECO OIL CO.				Connection .					
Pool OTERO				Formation CHACRA				Unit	
Completion Date		Total Depth 4738		Plug Back TD		Elevation		Farm or Lease Name FLORANCE LS	
Csg. Size 7" WL. 4 1/2"		Set At 3564 4735		Perforations: From 3055 To 3225		Well No. 4A			
Trg. Size 2 3/8" WL.		Set At 3193		Perforations: From To		Unit Sec. Twp. Rye. D 18 27N 8W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple						Packer Set At 3395		County SAN JUAN	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State 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.	
1.	2x6x.75						730		730	
2.							114		418	50
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11		126	1.010	1.213	1.0138	1721
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bsl.
1	.18	510	1.32	.973	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 742	P _c 550564	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5056$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4160$
NO.	P _i	P _w	P _w ²
1		430	184900
2			
3			
4			
5			

Absolute Open Flow 2437 Mcfd @ 15.025		Angle of Slope @		Slope, n .85	
Remarks:					
Approved by Division					
Conducted by:		Calculated by:		Checked by:	