

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-8-76			
Company Tenneco Oil Company				Connection			
Pool Blanco				Formation Mesa Verde		Unit C	
Completion Date 8/28/76		Total Depth 4950'		Plug Back TD 4900'		Elevation 5825' GL	
Farm or Lease Name Florance				Well No. 21-A			
Csg. Size 4 1/2"	Wt. 10.5#	d	Set At 4948'	Perforations: From 4824' To 4515'		Unit Soc. Twp. Rge. C, 1, 29N, 9W	
Tag. Size 2-3/8	Wt. 4.7#	d	Set At 4828'	Perforations: From 4436' To 3996'			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None Set		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico	
L	H	Gg 68	% 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							563		739	
1.	2x6x3/4			195		48	195	48	623	
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	11		207	1.012	1.213	1.025	2865
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	0.31	508	1.32	.951	A.P.I. Gravity of Liquid Hydrocarbons	
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	
5.					Critical Temperature	

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1	42849	634	401956	162045	3.4805	2.5482
2						
3						
4						
5						

Absolute Open Flow <u>7301</u> Mcfd @ 15.025				Angle of Slope θ		Slope, n <u>.75</u>	
Remarks:							
Approved By Commission:							
Conducted By:		Calculated By:		Checked By:			