

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		10/30/85											
Company				Tenneco Oil Company				Connection													
Pool				Undesignated				Formation				Fruitland/Coal				Unit					
Completion Date				Total Depth				Plug Back TD				Elevation				Farm or Lease Name					
				5290				5273								Gartner LS					
Csg. Size		Wt.		d		Set At		Perforations:		From		To		Well No.		5A					
4 1/2						5290															
Tub. Size		Wt.		d		Set At		Perforations:		From		To		Unit		Sec.		Twp.		Rge.	
1 1/4						2624								F		27		30		8	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple								Packer Set At				County									
								2722				San Juan									
Producing Thru				Reservoir Temp. °F				Mean Annual Temp. °F				Baro. Press. - P _a				State					
																New Mexico					
L		H		G _g		% CO ₂		% N ₂		% H ₂ S		Prover		Meter Run		Taps					
				.680																	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
O.	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	Duration of Flow
1	2 x 6 x .75						250		240		
2							32		396	60	3 hours
3											
4											
5											

RATE OF FLOW CALCULATIONS							
O.	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		44	1.000	1.213	1.0101	593
2							
3							
4							
5							

O.		P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		141.15 15.06 Mcf/bbl.	
		.06	520	1.35	.982	A.P.I. Gravity of Liquid Hydrocarbons		Deg.	
						Specific Gravity Separator Gas		XXXXXX	
						Specific Gravity Flowing Fluid		XXXXXX	
						Critical Pressure		P.S.I.A.	
						Critical Temperature		R	

P _r 1252		P _w 1567504	
O.	P _r ²	P _w	P _r ² - P _w ²
1		408	166464
2			
3			
4			
5			

(1) $\frac{P_r^2}{P_c^2 - P_w^2} = 1.1188$

(2) $\left[\frac{P_r^2}{P_c^2 - P_w^2} \right]^n = 1.1001$

AOF = Q $\left[\frac{P_r^2}{P_c^2 - P_w^2} \right]^n = 652$

141.15 15.06

XXXXXX

XXXXXX

P.S.I.A.

R

Absolute Open Flow		652		Mcf @ 15.025		Angle of Slope @		Slope, n DE	
--------------------	--	-----	--	--------------	--	------------------	--	-------------	--