

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-122
Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12/10/85	
Company Tenneco Oil Company				Connection		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date		Total Depth 5300		Plug Back TD 5240		Elevation
Csg. Size 4 1/2		Set At 5297		Perforations: From 4292 To 5207		Well No. 12A
Trq. Size 2 3/8		Set At 5183		Perforations: From To		Unit D
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At		County San Juan
Producing Thru		Reservoir Temp. °F		Baro. Press. - P _a		State New Mexico
L		H		Cg .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
1	2 x 6 x .75					
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}
1	11		230	1.008	1.213	1.0259
2						
3						
4						
5						
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1	.34	512	1.33	.950	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2					Specific Gravity Separator Gas _____	
3					Specific Gravity Flowing Fluid _____	
4					Critical Pressure _____ P.S.I.A.	
5					Critical Temperature _____ R	
P _c 797 P _c ² 635209					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7313$	
NO.	P _i	P _w	P _w ²	P _c ² - P _w ²	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5945$	
1		518	268324	366885		
2						
3						
4						
5						
Absolute Open Flow 5059 Mcf @ 15.025					Angle of Slope θ _____	
Slope, n .75						
Remarks:						
Approved by Division						
Conducted by:						
Calculated by:						
Checked by:						