EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE January 2, 1975

Operator El Paso Natural Gas Company Location 1840/S, 1115/W, Sec. 21, T27N, R4W Formation Pictured Cliffs		Lease			
		San Juan 27-4 Unit #78			
		County Rio Arriba	State New Mexico		
		Pool Tapacito			
Casing: Diameter 2.875	Set At: Feet 38161	Tubing: Diameter No Tubing	Set At: Feet		
Pay Zone: From	То	Total Depth: PBTD	Shut In		
3690 '	3710'	3816' 3805'	12-10-74		
Stimulation Method		Flow Through Casing	Flow Through Tubing		
Sandwater Frac		l xx			

		Choke Constant: C		1			
		12.365		Tubingless Con			
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
1056		1068	23	No Tubing			
Flowing Pressure; P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
114		126		Calculated		166	
Temperature:		n =		Fpv (From Tables)		Gravity	
T= 50 °F F+=	1.0098	.85		1.014		.680	$F_9 = 0.9393$

$$Q = 12.365(126)(1.0098)(0.9393)(1.014)$$

OPEN FLOW = Aof = Q
$$\begin{pmatrix} 2 \\ P_c \\ P_c & P_w \end{pmatrix}$$

Aof =
$$Q\left(\frac{1140624}{1113068}\right)^{n}$$
 = 1498(1.0248) $.85$ =1498(1.0210)

Note: The well blew a dry gas.

TESTED BY C. Rhames

WITNESSED BY_____

<u>Loren w Fashurgill</u> Well Test Engineer