EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE <u>October 22, 1973</u>

Operator		Lease		
El Paso Natural Gas Company		Vaughn #24 (PC)		
Location		County	State	
790/S, 1450/E, Sec. 27, T26N, R6W		Rio Arriba	New Mexico	
Formation		Pool		
Pictured Cliffs		So. Blanco		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
2.875	2700'	No Tubing		
Pay Zone: From	То	Total Depth:	Shut In	
2578	2598 '	3596	9-26-73	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac		∥ x		

Choke Size, Inches		Choke Constant: C				
.750		12.365		Tubingless Completion		
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA
904		916	26	No Tubing		
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA
157		169		Calculated		207
Temperature:		n =		Fpv (From Tables)		Gravity
T= 61 °F F+=	.9990	.85		1.016		.670 Fg = .9463

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

Q = (12.365)(169)(.9990)(.9463)(1.0016) = 1979

_____ MCF/D

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

Aof =
$$Q\left(\begin{array}{c} 839056 \\ \hline 796207 \end{array}\right)^{n}$$
 = 1979 (1.0538) $.85$ = 1979 (1.0456)

Aof = 2069 MCF/D Note: Dry gas.

TESTED BY ____Rhames

WITNESSED BY_____

Well Test Engineer