OPEN FLOW TEST DATA

DATE <u>October 19, 1973</u>

Operator		Lease	/	
El Paso Natural Gas Company		Vaughn #25 (CH)		
Location	-	County	State	
1180/N, 1180/E S	Sec. 28, T26N, R6W	Rio Arriba	New Mexico	
Formation		Pool		
Chacra		Otero		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
2.875	3945'	No Tubing		
Pay Zone: From	То	Total Depth:	Shut In	
3804	3910'	3945	10-9-73	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac		x		

Choke Size, Inches Choke Constant: C .750 12.365		Choke Constant: C				
			Tubingless Completion			
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA
833		845	10	No Tubing		
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA
17		29		Calculated		37
Temperature:		n =		Fpv (From Tables)		Gravity
T= 60 °F F+	1.000	.75		1.004		.655 Fg = .9571

CHOKE VOLUME = Q =
$$C \times P_t \times F_t \times F_g \times F_{PV}$$

$$Q = (12.365)(29)(1.000)(.9571)(1.004)$$

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

Aof = Q
$$\left(\begin{array}{c} 714025 \\ \hline 712656 \end{array}\right)^{n}$$
 = 345 (1.0019) \cdot^{75} =345 (1.0014)



Aof = 345 MCF/D

Note: Well produced a light fog of

of water throughout the test.

TESTED BY B.J.B.

WITNESSED BY_____

William D. Welch
Well Test Engineer