EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE July 11, 1975

Operator El Paso Natural Gas Company Location 1750/N, 1460/E, Sec 5, T 29 N, R 11 W		Lease			
		Duff #4			
		County	State New Mexico		
		San Juan			
Formation		Pool			
Fictured Cliffs		Aztec			
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet		
2.875	2093'	No tubing			
Pay Zone: From	То	Total Depth: PETD	Shut In		
2000	2024	2093 2082	6-24-75		
Stimulation Method		Flow Through Casing	Flow Through Tubing		
Sand Water Frac		xx			

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	
339		351	17	No tubing			
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
58		70		Calculated		83	
Temperature:		n =		Fpv (From Tables)		Gravity	
-	1.000	.65		1.009		.670 Fg=	.9463

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

Q = 12.365(70)(1.000)(.9463)(1.009) = 826

_____ MCF/D

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

Aof = Q
$$\left(\begin{array}{c} 123201 \\ \hline 116312 \end{array}\right)^{n} = 826(1.059)^{.85} = 826(1.050)$$



 $Aof = \frac{667}{}$

MCF/D Note: The well blew a light mist of water throughout test. During the test 122.27 MCF of gas was vented to the atmosphere.

TESTED BY ____ C. Rhames

WITNESSED BY_____