EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE May 2, 1975

Operator El Paso Natural Gas Company		Grambling #9			
Location 1710/S, 805/E, Sec. 28, T29N, R9W		County San Juan		New Mexico	
Formation Pictured Cliffs		Pool Blanco			
Casing: Diameter 2.875	Set At: Feet 2260 f	Tubing: Diameter No Tubing		Set At: Feet	
Pay Zone: From 2110	To 2152	Total Depth: 2260 '	PBTD 2250'	Shut In 4-23-75	
Stimulation Method Sandwater Frac		Flow Through Casing XX		Flow Through Tubing	

Choke Size, Inches 0.750		Choke Constant: C 12.365					
				Tubingless Completion			
Shut-In Pressure, Casing, 839	PSIG	+ 12 = PSIA 851	Days Shut-In 9	Shut-In Pressure, Tubing No Tubing	PSIG	+ 12 = F'SIA	
Flowing Pressure: P 96	PSIG	+ 12 = PSIA 108		Working Pressure: Pw Calculated	PSIG	+ 12 = F'SIA 129	
Temperature:		n =	-	Fpv (From Tables)		Gravity	
	1.0029	0.85		1.011		.710	Fg = 0.9193

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

$$Q = 12.365(108)(1.0029)(0.9193)(1.011) = ______$$

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

Aof = Q
$$\left(\begin{array}{c} \frac{724201}{707560} \end{array}\right)^{\mathbf{n}} = 1245(1.0235)^{.85}1245(1.0200)$$



Aof = 1270 MCF/D

Note: The well produced dry gas throughout the test. Vented 98 MCF of gas during the test.

TESTED BY _____ R. Hardy

WITNESSED BY_____

Well Test Engineer