EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE__Oct. 9, 1979

El Paso Natural Gas Company			npany	Lease Mudge 14A (PM)			
NW 21-31-11 Formation Mesa Verde				County San Juan	State New Mexico		
				Pool Blanco			
Casing: Diameter	4.500	Set At: Feet	5230	Tubing: Diameter 2 3/8	Set At: Feet 5111		
Pay Zone: From	4523	То	5151	Total Depth: 5230	Shut In 9 - 27 - 79		
Stimulation Method Sand Water Frac				Flow Through Casing Flow Through Tubin			

Choke Size, Inches		Choke Constant: C					
	750		12.365				
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA 	Days Shut-In 12	Shut-In Pressure, Tubing 789	PSIG	+ 12 = PSIA	801
Flowing Pressure: P	PSIG 337	+ 12 = PSIA	349	Working Pressure: Pw Calc	PSIG	+ 12 = PSIA	693
Temperature: T= 54 °F	F+=1.006	n =	.75	Fpv (From Tables)		Gravity • 650	Fg=.9608

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

$$Q = (12.365)(349)(1.006)(.9608)(1.038) = _______A330$$
 MCF/D

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

Aof =
$$\left(\begin{array}{c} \frac{641601}{161352} \end{array}\right)^{\mathbf{n}} = (3.9764) \cdot \frac{75}{(4330)} = (2.8159)(4330)$$

NOTE: Well Unloaded a Slug of Water and Then Blew Dry Gas Throughout Test and Vented 411 MCF/D To the Atmosphere.

Aof = _____MCF/D

TESTED BY _____L. Fothergill

WITNESSED BY_____

Well Test Engineer