EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE Sept. 18, 1979

El Paso Natural Gas Company				Mudge 12A (PM)		
SE 17-	31-11			County San Juan	State Mew Mexico	
Formation Mesa V	erde			Pool Blanco		
Casing: Diameter	4.500	Set At: Feet	5632	Tubing: Diameter 2 3/8	Set At: Feet 5410	
Pay Zone: From	4954	То	5530	Total Depth: 5632	Shut In 9-11-79	
Stimulation Method Sand Water Frac				Flow Through Casing	Flow Through Tubing XXX	

Choke Size, Inches . 750		Choke Constant: C 12.365				
Shut-In Pressure, Cas	ing,	PSIG		Days Shut-In 7	Shut-In Pressure, Tubing PSIG 722	+ 12 = PSIA 7 3 4
Flowing Pressure: P	271	PSIG	+ 12 = PSIA 2 8	33	Working Pressure: Pw Calc.	+ 12 = PSIA 565
Temperature: T= 60 °F	Ft=1	.000	n = . 7	'5	Fpv (From Tables) 1.028	Gravity . 650 Fg = 9608

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

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

Aof =
$$\left(\begin{array}{c} 538745 \\ 219531 \end{array}\right)^{\mathbf{n}}$$
 = $(2.4541)^{0.75} (3456) = (1.9607)(3456)$

Vented 337 MCF To The Atmosphere During the Test.

Act = 6776 MCF/D

TESTED BY _____ C. Rhames

Well Test Engineer

Well Blew Dry Gas Throughout Test and

SEP 2 5 1979