EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE <u>8-8-77</u>

Operator E1 Paso Natural Gas Company Location NW 22-32-11 Formation Pictured Cliffs		Barnes #2-A		
		County San Juan	State New Mexico	
		Blanco PC Extension		
Casing: Diameter 4 1/2	Set At: Feet 5848 [†]	Tubing: Diameter 1 1/4	Set At: Feet 3274	
Pay Zone: From 3221	т о 3254	Total Depth: 58581	Shut In 7-23-77	
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing	

Choke Size, Inches		Choke Constant: C					
.750		12.365					
Shut-In Pressure, Casing,	PSIG 630	+ 12 = PSIA 642	Days Shut-In	Shut-In Pressure, Tubing	PSIG 628	+ 12 = PSIA 640	
Flowing Pressure: P		+ 12 = PSIA 207		Working Pressure: Pw	PSIG 201	+ 12 = PSIA 213	
Temperature: T= 68 °F Ft=	.9924	n = .85		Fpv (From Tables) 1.020		Gravity .670	Fg= .9463

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

$$Q = 12.365(207)(.9924)(.9463)(1.020)$$

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

Aof =
$$Q\left(\begin{array}{c} 412164 \\ 366795 \end{array}\right)^{n} = 2452(1.1237) \cdot ^{85} = 2452(1.1042)$$



 $\mathsf{Aof} = \underbrace{\phantom{\mathsf{MCF/D}}}_{} \mathsf{MCF/D}$

Note: Well blew 360 MCF of dry gas to

the atmosphere during test.

TESTED BY _____D. Wright

WITNESSED BY_____

Well Test Engineer