## CORM 2 GOS CERSON

## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA



## DATE <u>August 15, 1977</u>

Operator E1 Paso Natural Gas Company  Location S1E 23-32-11  Formation Mesa Verde		Leose Barnes #6-Λ		
		County San Juan	State New Mexico	
		Pool Blanco		
Casing: Diameter 4 1/2"	Set At: Feet 5952*	Tubing: Diameter 2 3/811	Set At: Feet 57861	
Pay Zone: From 4728	To 5896	Total Depth: 5952	Shut In 8-7-77	
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing	

Choke Size, Inches		Choke Constant: C 12,365					
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In 8	Shut-In Pressure, Tubing	<b>PSIG</b> 780	+ 12 = PSIA 792	
Flowing Pressure: P	PSIG 235	+ 12 = PSIA 247		Working Pressure: Pw Calc.	PSIG	+ 12 = PSIA 497	
Temperature: T= 72 ∘F Ft	9887	n = .75		Fpv (From Tables) 1.022		Gravity .650	Fg= .9608

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

Q = 12.365(247)(.9887)(.9608)(1.022) =

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

Aof = Q 
$$\begin{pmatrix} \frac{627264}{380255} \end{pmatrix}$$
 = 2965(1.6496)  $\frac{.75}{}$  = 2965(1.4556)



Aof = 4316 MCF/D

Note: Well blew 405 MCF of dry gas

to atmosphere during test.

TESTED BY \_\_\_\_\_\_D. Wright

WITNESSED BY\_\_\_\_\_

Well Test Engineer