## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE November 1, 1977

Operator El Paso Natural Gas Company  Location NW 33-30-08  Formation Mesa Verde		Gartner #3-A		
		County San Juan	State New Mexico	
		Pool Blanco		
Casing: Diameter 4 1/2	Set At: Feet 57041	Tubing: Diameter 2 3/8 <sup>11</sup>	Set At: Feet 5635 !	
Pay Zone: From	То	Total Depth:	Shut In	
4701	5641	5704	10-23-77	
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX	

Choke Size, Inches Choke Constant: C			144.				
. 750 Shut-In Pressure, Casing,	PSIG	12.365 + 12 = PSIA 	Days Shut-In	Shut-In Pressure, Tubing	<b>PSIG</b> 590	+ 12 E PSIA 602	
Flowing Pressure: P 263	PSIG	+ 12 = PSIA 275		Working Pressure: Pw Calc.	PSIG	+ 12 = PSIA 554	
Temperature: T= 64 °F Ft=	.9962	n = .75		Fpv (From Tables) 1.029		Gravity	Fg= .9463

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

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

Aof = 
$$Q\left(\frac{362404}{55488}\right)^{n}$$
 = 3299 (6.5312)  $^{.75}$  = 3299(4.0855)  $^{OV}$   $^{.000}$ .

Note: Well unloaded a slug of water after first 4 minutes. Then blew very light mist rest of test. Well vented 293 MCF to the atmosphere during the test.

TESTED BY \_\_\_\_R. Headrick

WITNESSED BY\_\_\_

Well Test Engineer