## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE \_\_August 28, 1975

Operator El Paso Natural Gas Company		Howell D #2-A			
Location 1500'N, 1660'W, Sec. 29, T31N, R8W		County San Juan		State New Mexico	
Formation Mesa Verde		Pool Blanco			
Casing: Diameter	Set At: Feet	Tubing: Diameter		Set At: Feet	
4.500	6048 '	2.375		5997'	
Pay Zone: From	То	Total Depth:	PBTD	Shut In	
5261	5992	6048'	60321	8-7-75	
Stimulation Method		Flow Through Casing		Flow Through Tubing	
Sandwater Frac				XX	

Plate Gheke Size, Inches 4" M.R. 2.500" plate		Cheke Constant: C 32.64					
				Well tested through 3/4" variable choke.			
Shut-In Pressure, Casing,		+ 12 = PSIA 476	Days Shut-In	Shut-In Pressure, Tubing 647	PSIG	+ <b>12 = PSIA</b> 659	
Flowing Pressure: P M. R 52 W. F	PSIG 1. 173		W.H. 185	Working Pressure: Pw 581	PSIG	+ 12 = PSIA 593	
Temperature:		n =		Fpv (From Tables) 1.009		Grovity .660	Fg = 1.231

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

Q = Calculated from meter readings.

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

Aof = Q 
$$\left(\frac{434281}{82632}\right)^n$$
 = (2105)(5.2556)  $\cdot 75$  = (2105)(3.4711) SEP 3 1975

Note: Well flared 256.95 MCF of gas during test and produced 4.48 Bbl of water.

TESTED BY \_\_\_\_\_ R. Hardy & F. Johnson WITNESSED BY\_\_\_

Well Test Engineer