## OPEN FLOW TEST DATA

CORRECTED COPY

DATE September 4, 1975

Operator El Paso Natural Gas Company  Location 1175/S, 1460/E, Sec. 33, T31N, R8W  Formation Mesa Verde		Howell D #4-A		
		County San Juan	State New Mexico	
		Pool Blanco		
Casing: Diameter 4.500	Set At: Feet 5787	Tubing: Diameter 2.375	Set At: Feet 56761	
Pay Zone: From 4976'	To 5698'	Total Depth: PBTD 5787 5771'	Shut In 8-26-75	
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX	

Choke Size, Inches 4" M.R 2.500" Plate	Choke Constan 32.64	t: C	Well tested thru 3/4" variable choke		
Shut-In Pressure, Casing, PS	G + 12 = PSIA 628	Days Shut-In 9	Shut-In Pressure, Tubing 576	PSIG	+ 12 = PSIA 588
Flowing Pressure: P PS	G + 12 = PSIA 70		Working Pressure: Pw 544	PSIG	+ 12 = PSIA 556
Temperature: T = 66 oF Ft = .994	3 n = 0.75		Fpv (From Tables) 1.009		Gravity .660 Fg = 1.231

CHOKE VOLUME = Q = C x Pt x Ft x Fg x Fpv

Q = Calculated from meter readings

= <u>2120</u> MCF/D

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

$$Aof = Q \left( \frac{\frac{Pe}{Pe} P_{w}^{2}}{Pe} \right)$$

$$Aof = Q \left( \frac{394384}{85248} \right)^{n} = (2120) (4.6263)^{-.75} = (2120) (3.1543)^{011} DIST 3$$

Aof = \_\_\_\_\_MCF/D

Note: Well produced 6.71 Bbl. water and

256.44 MCF of gas during test.

TESTED BY R. Hardy & C. Dein

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

Well Test Engineer