EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE <u>December 3. 1973</u>

El Paso Natural Gas Company Location 1090/N, 2820/E, Sec. 7, T32N, R7W Formation Mesa Verde		San Juan 32-7 Unit #41		
		County San Juan	State New Mexico	
		Pool Blanco		
Casing: Diameter 4.500	Set At: Feet 5903	Tubing: Diameter 2 3/8"	Set At: Feet 5831 *	
Pay Zone: From 5300	т. 5520	Total Depth: 5903	Shut In 11-16-73	
Stimulation Method Sandwater Frac		Flow Through Casing X	Flow Through Tubing	

Choke Size, Inches		Choke Constant: C 12.365					
Shut-In Pressure, Casing, 1200	PSIG	+ 12 = PSIA 1212	Days Shut-In 16	Shut-In Pressure, Tubing 905	PSIG	+ 12 = PSIA 917	
Flowing Pressure: P 248	PSIG	+ 12 = PSIA 260		Working Pressure: Pw 668	PSIG	+ 12 = PSIA 680	
Temperature: T= 70°F Ft=	.9905	n = .75		Fpv (From Tables) 1.017		Gravity .585	Fg = 1.0127

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

Aof = Q
$$\left(\begin{array}{c} \frac{1468944}{1006544} \end{array}\right)^{n}$$
 = 3280(1.4594) \cdot 75=3280(1.3278)



Note: Blew a light mist throughout

test.

TESTED BY _____C. Rhames_____

WITNESSED BY_____

William D Welch

William D. Welch Well Test Engineer