EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE <u>December 27</u>,

Operator El Paso Natural Gas Company Location 1180/S, 1180/W, Sec. 7 T29N, R5W Formation Dakota		San Juan 29-5 Unit #62		
		County Rio Arriba	State New Mexico	
		Pool Basin		
Casing: Diameter 4.500	Set At: Feet 78981	Tubing: Dlameter 1 1/2"	Set At: Feet 7839 t	
Pay Zone: From 7726	7856	Total Depth: 7898	Shut In 12-14-73	
Stimulation Method Sandwater Frac		Flow Through Casing X .	Flow Through Tubing	

Choke Size, Inches		Choke Constant: C 12.365					
Shut-In Pressure, Casing, 2760	PSIG	+ 12 = PSIA 2772	Days Shut-In	Shut-In Pressure, Tubing 2354	PSIG	+ 12 = PSIA 2366	
Flowing Pressure: P	PSIG	+ 12 = PSIA 312		Working Pressure: Pw 527	PSIG	+ 12 = PSIA 539	
Temperature:	1.000	n = .75		Fpv (From Tables) 1.024		Gravity . 595	Fg = 1.0041

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

Q = (12.365)(312)(1.000)(1.0041)(1.024)

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

Aof =
$$Q\left(\frac{7683984}{7393463}\right)^{n}$$
 = 3966(1.0393) $\cdot 75 = 3966(1.02933)$ $OIL\ CON.\ COM.$



Aof = 4083 MCF/D Note: Medium mist of liquid.

TESTED BY Rhames

WITNESSED BY_____

William DWell

William D. Welch Well Test Engineer