EL PASO NATURAL, GAS COMPANY

OPEN FLOW TEST DATA

October 17, 1973 DATE

Operator		Lease	
El Paso Natural Gas Company		San Juan 32-7 Unit	: #43
Location		County	State
1060/N, 1660/E, Sec. 21, T32N, R7W Formation		San Juan	New Mexico
Dakota		Basin	
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet
4.500	7993'	1 1/2	79491
Pay Zone: From	То	Total Depth:	Shut In
7827	7952	7993	10-7-73
Stimulation Method		Flow Through Casing	Flow Through Tubing
Sandwater Frac		X	

Choke Size, Inches		Choke Constant: C					
, 750		12,365					
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
2760		2772	10	1372		1384	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
70		82		364		376	
Temperature:		n = 0.2		Fpv (From Tables)		Gravity	
T= 66 °F F+=	. 9943	75		1 009		655 Fg = 9571	l

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

Q = (12.365)(82)(.9943)(.9571)(1.009)

MCF/D

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

Aof = Q
$$\left(\frac{7683984}{7542608}\right)^{n}$$
 = 974 (1.0187) \cdot 75 = 974 (1.0140)



Aof = 987 MCF/D Note: Light mist of drip and water

throughout test.

TESTED BY Rhames

WITNESSED BY_____

William D. Welch

William D. Welch Well Test Engineer