EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE ____June 12, /1974

Operator		Lease		
El Paso Natural Gas Company		San Juan 28-7 Unit #216		
Location		County	State	
2290/N, 980/E, Sec. 8, T27N, R7W		Rio Arriba	New Mexico	
ormation		Pool		
Dakota		Basin		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
4.500	7748'	1.990	7722'	
Pay Zone: From	То	Total Depth: PBTD	Shut In	
7520	7724'	7748' 7738'	5-31-74	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac		l xx		

Choke Size, Inches		Choke Constan	t: C			
.750		12.365				
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA
2492		2504	12	2490		2502
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA
223		235		500		512
Temperature:		n =		Fpv (From Tables)		Gravity
T= 67 °F F+=	.9933	. 75		1.0220		.650 Fg = .9608

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

$$Q = 12.365(235)(.9933)(.9608)(1.0220)$$

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

Aof =
$$Q\left(\begin{array}{c} \frac{6270016}{6007872} \end{array}\right)^{n} = 2834(1.0436)^{-.75} = 2834(1.0325)$$

Aof =____ 2926 __MCF/D

Note: The well produced a heavy fog

of water and distillate.

TESTED BY	F. Johnson	
		Media
WITNESSED BY_		1011 10 1074
		OIL CON. COM.
		OIL DIST, 3

Well Test Engineer