EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE __ January 24, 1975

Operator El Paso Natural Gas Company		Lease		
		San Juan 27-4 Unit	State State	
1180/S, 1840/W, Sec. 10, T27N, R4W		Rio Arriba	New Mexico	
Formation Dakota		Pool Basin		
Casing: Diameter 4.500	Set At: Feet 8174 '	Tubing: Diameter 1,990	Set At: Feet 8059 !	
Pay Zone: From 7886	то 8068'	Total Depth: PBTD 8174	Shut In 1-17-75	
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing	

Choke Size, Inches		Choke Constant	h: C			
.750	<u>-</u>	12,365				L 10 - DCI4
Shut-In Pressure, Casing, 2500	PSIG	+ 12 = PSIA 2512	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA 2512
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw 238	PSIG	+ 12 = PSIA 250
ZO Temperature:		n =		Fpv (From Tables)		Gravity 0.655 Fg = 0571
	1.0039	1				

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

Q = 12.365(40)(1.0039)(.9571)(1.004)

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

Aof =
$$Q\left(\begin{array}{c} \frac{6310144}{6247644} \end{array}\right)^{n} = 477(1.0100)^{.75} = 477(1.0075)$$



481 MCF/D Aof =____

Note: Medium mist of drip for 30 minutes-

2 1/2 hours. Dry gas.

TESTED BY Rhames

WITNESSED BY_____