EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 12-19-74

Operator El Paso Natural Gas Company Location 1020/N, 980/E, Sec. 18, T27N, R4W Formation Mesa Verde		San Juan 27-4 Unit #121		
		County Rio Arriba	State New Mexico	
		Pool Blanco		
Casing: Diameter	Set At: Feet 6104	Tubing: Diameter 2.375	Set At: Feet 6055 !	
Pay Zone: From	То	Total Depth: PBTD	Shut In	
5416'	5458	6104' 6097'	12-10-74	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac			XX	

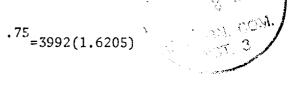
Choke Size, Inches Choke Constant: C .750 12,365		Choke Constant: C					
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
1155		1167	9	926		938	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
313		325		792		804	
Temperature;		n =		Fpv (From Tables)		Gravity	
T= 59 °F F+=	1.0010	. 75		1.033		.650	Fg = 0.9608

CHOKE VOLUME = Q = $C \times P_t \times F_t \times F_g \times F_{PV}$

$$Q = 12.365(325)(1.0010)(0.9608)(1.033)$$

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

Aof =
$$Q\left(\frac{1361889}{715473}\right)^{n}$$
 = 3992(1.9035) $\cdot 75$ = 3992(1.6205)



Aof = 6470 MCF/D

Note: The well unloaded heavy slug of water in approximately 4 minutes.

Then a light fog of water and distillate for the rest of the

test.

TESTED BY ____D. Norton

WITNESSED BY_____

