EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 22, 1977

Operator		Loaso		
El Paso Natural Gas Company		Barnes #6-A		
Location	, ,	County	State	
SE 23-32-11		San Juan	New Mexico	
Formation Pictured Cliffs		Pool Blanco		
4 1/2"	59521	1 1/4"	3281'	
Pay Zone: From	То	Total Depth:	Shut In	
3204'	3244'	5952'	8-7-77	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac		XX		

Choke Size, Inches		Choke Constant	t: C				
.750		12.365					
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
	793	805	15		193	205	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
	97	109			100	112	
Temperature:		n =		Fpv (From Tables)		Gravity	
τ= 62 °F F	9981	.85		1.009		.650	Fg= .9608

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

Q = 12.365(109)(.9981)(.9608)(1.009)

_____1304_____MCF/D

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

Aof =
$$Q\left(\frac{648025}{635481}\right)^{n}$$
 = 1304 (1.0197) $\cdot ^{85}$ = 1304(1.0168)



Aof = 1327 MCF/D

Note: Well vented 203 MCF of dry gas

to atmosphere during test.

WITNESSED BY_____

Well Test Engineer