EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA



DATE <u>April 18, 1978</u>

Operator E1 Paso Natural Gas Company Location NW 33-32-11 Formation Pictured Cliffs		Lease Neil #7-A		
		County San Juan	State New Mexico	
		Pool Blanco		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
4 1/2	5642'	1 1/4	2965.	
Pay Zone: From	То	Total Depth: PBTD	Shut In	
2880	2944	5642 5625	4-4-78	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sandwater Frac		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	
	993	1005	14		1002	1014	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
	273	285			283	295	
Temperature:		n =		Fpv (From Tables)		Gravity	
T≃ 60 °F Ft	= 1.000	.85		1.031		.670	$F_9 = .9463$

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

$$Q = 12.365(285)(1.000)(.9463)(1.031)$$

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

Aof = Q
$$\left(\begin{array}{c} 1028196 \\ \hline 941171 \end{array}\right)^n$$
 = $(1.0925)^{-.85}$ = (3438) = $(1.0781)(3438)^{-...}$

Note: Well blew dry gas throughout test. Well vented 379 MCF to the atmosphere during test.

TESTED BY	D.	Wright		
WITNESSED BY				

Well Test Engineer