EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

5-21-71 DATE

Operator		Lease		
El Paso Natural Gas Company		Hardie No. 4 (O		
Location	E, S 23, T29N, R8W	County San Juan	State New Mexico	
Formation	29 10 279 12719 2281	Pool Blanco		
Mesa Verde Casing: Diameter	Set At: Feet 5626	Tubing: Diameter 2.375	Set At: Feet 5533	
Pay Zone: From	T• 5526	Total Depth: 5630	Shut In 5-11-71	
5361. Stimulation Method		Flow Through Casing	Flow Through Tubing	
S W F			XXX	

Choke Size, Inches		Choke Constant: C				
•750		12.3			DC10	+ 12 = PSIA
Shut-In Prossure, Casing,	PSIG	+ 12 = PSIA 676	Days Shut-In	Shut-In Pressure, Tubing 657		669
Flowing Prossure: P	PSIG	+ 12 = PSIA 222		Working Pressure: Pw 585	PSIG	+ 12 = PSIA 59'7
210 Temporature: T= 70 °F Ft=	.9905	n = 75		Fpv (From Tables)		Gravity .688 Fg = .9339

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

Q = 12.365 x 222 x .9905 x .9339 x 1.022

2595 MCF/D

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

Note: Unloaded slugs of oil and water in appromiately 3 minutes. Medium to heavy fog of water and distillate throughout rest of test.

Aof =
$$\begin{pmatrix} \frac{447561}{91152} \end{pmatrix}$$
 = $(4.9100)(2595)^{.75} = (3.2985)(2595)$

Aof = 8560 MCF/D

TESTED BY T. D. Norton

WITNESSED BY_____