## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

Operator El Paso Natural Gas Company		Lease . Grambling "C" No. 10		
925'S, 810'W, Section 12, T30N, R10W		County San Juan	Stote New Mexico	
Formation Pictured Cliffs		Pool Blanco Ext.		
Casing: Diameter 5.500	Set At: Feet 3434	Tubing: Diameter 2-3/811	Set At: Feet 3343	
Pay Zone: From 3266	3330	Total Depth: 3434	Shut In 4-20-73	
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX	

Choke Size, Inches . 750		Choke Constant: C 12.365				
Shut-In Pressure, Casi	ng, PSIG 940	+ 12 = PSIA 952	Days Shut-In 7	Shut-In Pressure, Tubing 795	PSIG	+ 12 = PSIA 807
Flowing Pressure: P	P\$IG 80	+ 12 = PSIA 92		Working Pressure: Pw 209	PSIG	+ 12 = PSIA 221
Temperature: T= 64 °F	Ft=, 9962	n = .8	5	Fpv (From Tables) 1.007		Gravity .635 Fg = .9721

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

$$Q = 12.365 \times 92 \times .9962 \times .9721 \times 1.007$$

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

NOTE: After 5 minutes well unloaded column of water 100' high for 2 minutes then produced light spray of water throughout rest of test.

Aof = Q 
$$\left(\begin{array}{c} 906304 \\ 857463 \end{array}\right)^{n}$$
 = (1109) (1.0570) = (1109) (1.0482)

1162 \_\_MCF/D

TESTED BY Roger Hardy

WITNESSED BY\_\_

William D. Welch, Well Test Engineer