EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE <u>August 13, 1975</u>

| Operator E1 Paso Natural Gas Company Location 1760/S, 1450/E, Sec. 1, T27N, R8W Formation Pictured Cliffs | | Howell F #2 (PC) | | | |
|---|--------------|---------------------|---------------|---------------------|--|
| | | County San Juan | | State New Mexico | |
| | | So. Blanco | | | |
| Casing: Diameter | Set At: Feet | Tubing: Diameter | | Set At: Feet | |
| 2.875 | 3496' | No Tubing | | | |
| Pay Zone: From | То | Total Depth: | PBTD | Shut In | |
| 33691 | 34241 | 3496' | 3485 ' | 7-22-75 | |
| Stimulation Method | | Flow Through Casing | | Flow Through Tubing | |
| Sandwater Frac | | XX | | | |

| Choke Size, Inches | | Choke Constant: C | | 1 | | |
|---------------------------|--------|-----------------------|--------------|--------------------------|------|-----------------|
| .750 12,365 | | Tubingless Completion | | | | |
| Shut-In Pressure, Casing, | PSIG | + 12 = PSIA | Days Shut-In | Shut-In Pressure, Tubing | | + 12 = PSIA |
| 815 | | 827 | 7 | No Tubing | | |
| Flowing Pressure: P | PSIG | + 12 = PSIA | | Working Pressure: Pw | PSIG | + 12 = PSIA |
| 67 | | 79 | | Calculated | | 101 |
| Temperature: | | n = | | Fpv (From Tables) | | Gravity |
| T= 65 °F Ft= | . 9952 | 0.85 | | 1.007 | | .639 Fg = .9690 |

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

 $Q = (12.365)(79)(.9952)(.9690)(1.007) = ______MCF/D$

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

Aof =
$$Q\left(\begin{array}{c} .83929 \\ .673728 \end{array}\right)$$
 = (949)(1.0151) .85 = (949)(1.0128)



Aof = 961 MCF/D

Note: Well blew 151.97 MCF dry gas

to the atmosphere during the

test.

TESTED BY ______Johnson

WITNESSED BY_____

Well Test Engineer