EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE November 25, 1975

| Operator | | Logse | | | | |
|--------------------|-------------------|---------------------|---------------------|--|--|--|
| El Paso Natural | Gas Company | Howell E #2-A | | | | |
| Location | | County | State | | | |
| 790/S, 790/E, Se | ec. 14, T30N, R8W | San Juan | New Mexico | | | |
| Formation | | Pool | | | | |
| Mesa Verde | | Blanco | | | | |
| Casing: Diameter | Set At: Feet | Tubing: Diameter | Set At: Feet | | | |
| 4.500 | 55581 | 2.375 | 5499' | | | |
| Pay Zone: From | То | Total Depth: PBTD | Shut In | | | |
| 4762' | 55201 | 5558' 5541' | 11-5-75 | | | |
| Stimulation Method | | Flow Through Casing | Flow Through Tubing | | | |
| Sandwater Frac | | | XX | | | |

| Choke Size, Inches 2.750 4" M.R. Choke Constant 41.10 | | | Choke Constant: 41.10 | Tested thru 3/4" variable choke | | | | |
|--|--------|------|--------------------------|---------------------------------|------------------------------|------|--------------------|------------|
| Shut-In Pressure, Cas 669 | ing, | PSIG | + 12 = PSIA 681 | Days Shut-In 20 | Shut-In Pressure, Tubing 440 | PSIG | + 12 = PSIA 452 | |
| Flowing Pressure: P W.H. 199 | M.R. 7 | PSIG | | M.R. 86 | Working Pressure: Pw 541 | PSIG | + 12 = PSIA 553 | |
| Temperature: | Ft= 1 | .006 | n = .75 | | Fpv (From Tables) 1.009 | | Gravity .655 | Fg = 1.236 |

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

Q = Calculated from orifice meter readings = _____ MCF/D

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

Aof = Q
$$\left(\begin{array}{c} 19/5 \\ \hline 157952 \end{array}\right)^n$$
 = 2773(2.9361) $\cdot 75 = 2773(2.2430)$ DIST 3

Aof = 6220 MCF/D

Note: D

During the test this well produced 8.32 Bbls of 30.8° API gravity oil, and 347.36 MCF of gas was vented to the atmosphere.

R. Hardy & J. Goodwin

WITNESSED BY_____

Well Test Engineer