EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

April 11, 1978 DATE

| El Paso Natural Gas Company Location NW 33-32-11 | | Neil #7-A | | | |
|---|--------------|---------------------|---------------------|--|--|
| | | County San Juan | State New Mexico | | |
| ormation | | Pool | | | |
| Mesa Verde | | Blanco | | | |
| Casing: Diameter | Set At: Feet | Tubing: Diameter | Set At: Feet | | |
| 4 1/2 | 56421 | 2 3/8 | 5540' | | |
| Pay Zone: From | То | Total Depth: PBTD | Shut In | | |
| 4461 | 5601' | 5642' 5625 | 4-4-78 | | |
| Stimulation Method | | Flow Through Casing | Flow Through Tubing | | |
| Sandwater Frac | | | XX | | |

| Choke Size, Inches | | Choke Constant: C | | | | - | |
|---------------------------|-------|-------------------|--------------|--------------------------|------|-------------|------------|
| .750 | | 12.365 | | | | | |
| Shut-In Pressure, Casing, | PSIG | + 12 = PSIA | Days Shut-In | Shut-In Pressure, Tubing | PSIG | + 12 = PSIA | - |
| | | | 7 | | 735 | 747 | |
| Flowing Pressure: P | PSIG | + 12 = PSIA | | Working Pressure: Pw | PSIG | + 12 = PSIA | |
| 250 | | 262 | | Calc. | | 523 | |
| Temperature: | | n = | | Fpv (From Tables) | | Gravity | |
| T= 66 °F F+= | .9943 | . 75 | | 1.025 | | .650 | Fg = .9608 |

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

$$Q = 12.3650x (262) x (.9943)x (.9608)x (1.025) 3172$$

_____ MCF/D

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

Aof = Q
$$\left(\frac{558009}{284480}\right)^n$$
 = (1.9636) $\cdot 75$ (3172) = (1.6588) (3172)

Note: Well blew heavy fog of water first 45 min., & then a light fog of water rest of test. Well vented 306 MCF of gas to the atmosphere.

TESTED BY ____D. Wright

WITNESSED BY___