# EL PASO NATURAL GAS COMPANY
## OPEN FLOW TEST DATA

*OCC (2)*

DATE __August 23, 1972__

| Operator | | Lease | |
|---|---|---|---|
| El Paso Natural Gas Company | | El Paso #2 | |
| Location | | County | State |
| 950/S, 1180/N, Sec. 20-T29N-R9W | | San Juan | New Mexico |
| Formation | | Pool | |
| Pictured Cliffs | | Undesignated | |
| Casing: Diameter | Set At: Feet | Tubing: Diameter | Set At: Feet |
| 2.875 | 2199 | No tubing | |
| Pay Zone: From | To | Total Depth: | Shut In |
| 2102 | 2142 | 2199 | 8/5/72 |
| Stimulation Method | | Flow Through Casing | Flow Through Tubing |
| S. W. F. | | XX | |

| Choke Size, Inches | Choke Constant: C | | | | |
|---|---|---|---|---|---|
| 0.750 | 12.365 | | Tubingless Completion | | |
| Shut-In Pressure, Casing, PSIG | + 12 = PSIA | Days Shut-In | Shut-In Pressure, Tubing PSIG | + 12 = PSIA | |
| 706 | 718 | 18 | No tubing | | |
| Flowing Pressure: P PSIG | + 12 = PSIA | | Working Pressure: Pw PSIG | + 12 = PSIA | |
| 124 | 136 | | Calculated | | |
| Temperature: | n = | | Fpv (From Tables) | Gravity | |
| T= 62 °F    Ft= .9981 | .85 | | 1.012 | .635    Fg = .9721 | |

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$$Q = 12.365 \times 136 \times .9981 \times .9721 \times 1.012 \quad = \underline{1651} \quad \text{MCF/D}$$

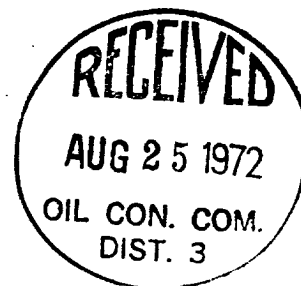OPEN FLOW = $Aof = Q \left( \dfrac{P_c^2}{P_c^2 \; P_w^2} \right)^n$

Note:  Well produced a very light mist of water throughout test.

$$Aof = \left( \frac{515\ 524}{489\ 280} \right)^n = (1651)(1.0536)^{.85} = (1651)(1.0454)$$

$$Aof = \underline{1726} \quad \text{MCF/D}$$

TESTED BY __J. A. Jones__

WITNESSED BY _____

_J. A. Jones_
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