FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

# OPEN FLOW TEST DATA

DATE July 8, 1964

| | | | |
|---|---|---|---|
| Operator: El Paso Natural Gas Company | | Lease: San Juan 27-5 Unit No. 94 | |
| Location: 850'S, 1600'E, Sec. 15, T-27-N, R-5-W | | County: Rio Arriba | State: New Mexico |
| Formation: Pictured Cliffs | | Pool: Tapacito | |
| Casing: Diameter: 2.875 | Set At: Feet: 3511 | Tubing: Diameter: No Tubing | Set At: Feet |
| Pay Zone: From: 3414 | To: 3474 | Total Depth: 3545 | Shut In: 6-26-64 |
| Stimulation Method: Sand Water Frac | | Flow Through Casing: X | Flow Through Tubing |

| | | | | | |
|---|---|---|---|---|---|
| Choke Size, Inches: 0.750 | | Choke Constant: C: 12.365 | | Tubingless Completion | |
| Shut-In Pressure, Casing, PSIG: 1061 | | + 12 = PSIA: 1073 | Days Shut-In: 12 | Shut-In Pressure, Tubing PSIG: No Tubing | + 12 = PSIA |
| Flowing Pressure: P PSIG: 94 | | + 12 = PSIA: 106 | | Working Pressure: $P_w$ PSIG: (Calc.) | + 12 = PSIA: 137 |
| Temperature: T= 60 °F | Ft=1.0000 | n = .85 | | Fpv (From Tables): 1.009 | Gravity: .650 Fg = .9608 |

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

$Q = (12.365)\ (106)\ (1.0000)\ (.9608)\ (1.009) =$ 1271 MCF/D

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

Aof = $\left( \frac{1151329}{1132560} \right)^n = (1271)\ (1.0165)^{.85} = (1271)\ (1.0140)$

Aof = 1289 MCF/D

NOTE: Blew small amount of water vapor throughout test.

TESTED BY J. B. Goodwin

WITNESSED BY

CALCULATED BY W. D. Dawson

RECEIVED
JUL 13 1964
OIL CON. COM.
DIST. 3

H. L. Kendrick