FORM C-116 (12-60)

EL PASO NATURAL GAS COMPANY

# OPEN FLOW TEST DATA

DATE May 8, 1969

| | | | |
|---|---|---|---|
| Operator: El Paso Natural Gas | | Lease: McCulley No. 6 | |
| Location: 1460'N; 800'E; S-15; T-28N; R-9W | | County: San Juan | State: New Mexico |
| Formation: Pictured Cliffs | | Pool: Aztec | |
| Casing: Diameter: 2.875 | Set At: Feet: 2333 | Tubing: Diameter: No tubing | Set At: Feet: |
| Pay Zone: From: 2220 | To: 2241 | Total Depth: 2340 | Shut In: 5-1-69 |
| 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: 701 | + 12 = PSIA: 713 | Days Shut-In: 7 | Shut-In Pressure, Tubing PSIG: No tubing | + 12 = PSIA: | |
| Flowing Pressure: P PSIG: 233 | + 12 = PSIA: 245 | | Working Pressure: $P_w$ PSIG: Calculated | + 12 = PSIA: 295 | |
| Temperature: T = 64 °F | Ft = .9962 | n = .85 | Fpv (From Tables): 1.024 | Gravity: .650 | Fg = .9603 |

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

$Q = (12.365)(245)(.9962)(.9608)(1.024)$ = 2969 MCF/D

Note: The well produced dry gas throughout the test.

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

Aof = $\left( \frac{508369}{421344} \right)^n = (2969)(1.2065)^{.85} = (2969)(1.1732)$

Aof = 3483 MCF/D

RECEIVED
MAY 15 1969
OIL CON. COM.
DIST. 3

TESTED BY D. N.
Calculated
WITNESSED BY H. E. M.

H. L. Kendrick