

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 12-9-69

| | | | |
|---|----------------------|-------------------------------|---------------------|
| Operator El Paso Natural Gas Co. | | Lease Forrest No. 1 (OWWO) | |
| Location 1650 N, 1155 W S 35-T30N-R11W | | County San Juan | State New Mexico |
| Formation Pictured Cliffs | | Pool Aztec | |
| Casing: Diameter 2.375 | Set At: Feet 2370 | Tubing: Diameter No tubing | Set At: Feet |
| Pay Zone: From 2218 | To 2274 | Total Depth: 2370 | Shut In 12-2-69 |
| Stimulation Method SWP | | Flow Through Casing XX | Flow Through Tubing |

| | | | | |
|---------------------------------------|-----------------------------|-------------------|--|----------------------------|
| Choke Size, Inches .750 | Choke Constant: C 12.365 | | Tubingless completion | |
| Shut-In Pressure, Casing, PSIG 327 | + 12 = PSIA 339 | Days Shut-In 7 | Shut-In Pressure, Tubing PSIG No tubing | + 12 = PSIA |
| Flowing Pressure: P PSIG 23 | + 12 = PSIA 40 | | Working Pressure: Pw PSIG Calc. 48 | + 12 = PSIA |
| Temperature: T = 59 °F | n = | | Fpv (From Tables) 1.004 | Gravity .650 Fg = .9608 |
| Ft = 1.0010 | .85 | | | |

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

$$Q = 12.365 \times 40 \times 1.0010 \times .9608 \times 1.004 = 478 \text{ MCF/D}$$

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

Note: Well blew light fog of distillate and gas throughout test.

$$Aof = \left(\frac{114921}{112617} \right)^n = (1.0205)^{.85} 478 = (1.0174)(478)$$

$$Aof = 486 \text{ MCF/D}$$

TESTED BY T. D. Norton

WITNESSED BY



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