FORM 23-75 (6-56)

EL PASO NATURAL GAS COMPANY

**DUAL COMPLETION**

# OPEN FLOW TEST DATA

DATE November 27, 1957

| | | | |
|---|---|---|---|
| Operator: El Paso Natural Gas Company | | Lease: San Juan 27-4 Unit No. 14 (M) - X | |
| Location: 1660'S, 1190'W, Sec. 18-27-4 | | County: Rio Arriba | State: New Mexico |
| Formation: Mesa Verde | | Pool: Blanco | |
| Casing: Diameter: 7-5/8 | Set At: Feet: 7567 | Tubing: Diameter: 2" | Set At: Feet: 7889 |
| Pay Zone: From: 5636 | To: 5738 | Total Depth: 7964 - c/o 7935 | |
| Stimulation Method: Sand Water Frac. | | Flow Through Casing: X | Flow Through Tubing: |

| | | | | | |
|---|---|---|---|---|---|
| Choke Size, Inches: .750 | Choke Constant: C: 12.365 | | 5-1/2" liner. 7504 - 7944 | | |
| Shut-In Pressure, Casing, PSIG: MV 1033 | + 12 = PSIA: 1045 | Days Shut-In: 7 | Shut-In Pressure, Tubing PSIG: Dak. 1885 | + 12 = PSIA: 1897 | |
| Flowing Pressure: P PSIG: 260 | + 12 = PSIA: 272 | | Working Pressure: Pw PSIG: Calculated | + 12 = PSIA: 273 | |
| Temperature: T °F: 75 | n: .750 | | Fpv (From Tables): 1.026 | Gravity: .670 | |

Final SIPT (Dak.) - 1955 psig . Packer at 7485'. Sleeve at 5753'.

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

Q = 12.365 x .9859 x .9463 x 1.026 x 272 = 3219 MCF/D

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

Aof = $\left( \frac{1,092,025}{1,017,496} \right)^n$ = $1.0732^{.75}$ x 3219 = 1.0544 x 3219

Aof = 3394 MCF/D

RECEIVED DEC 3 1957 OIL CON. COM. DIST. 3

TESTED BY R. R. Davis

Light fog during entire test period.

WITNESSED BY

cc: E. S. Oberly (6)

L. D. Galloway

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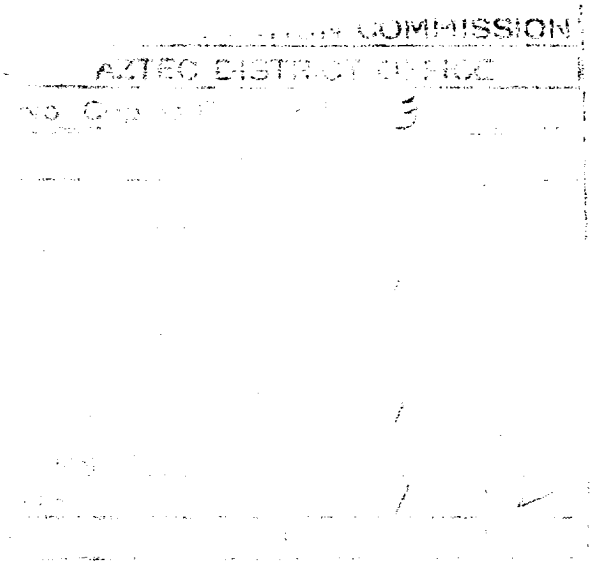
COMMISSION