FORM 2[illegible]

EL PASO NATURAL GAS COMPANY

# OPEN FLOW TEST DATA

DATE October 24, 1957

| | | | |
|---|---|---|---|
| Operator: El Paso Natural Gas | | Lease: Jicarilla No. 5-F | |
| Location: 1125'N, 1500'E, Sec. 21-26-5 | | County: Rio Arriba | State: New Mexico |
| Formation: Pictured Cliffs | | Pool: Undesignated | |
| Casing: Diameter 5-1/2 | Set At: Feet 3157 | Tubing: Diameter 1-1/4 | Set At: Feet 3048 |
| Pay Zone: From 3044 | To 3090 | Total Depth: 3165 | |
| Stimulation Method: Sand Water Frac. | | Flow Through Casing: X | Flow Through Tubing: |

| | | | |
|---|---|---|---|
| Choke Size, Inches: 0.75 | Choke Constant: C 12.365 | | |
| Shut-In Pressure, Casing, PSIG: 1032 | + 12 = PSIA: 1044 | Days Shut-In: 12 | Shut-In Pressure, Tubing PSIG: 1033 | 12 = PSIA: 1045 |
| Flowing Pressure: P PSIG: 172 | + 12 = PSIA: 184 | | Working Pressure: Pw PSIG: 217 | 12 = PSIA: 229 |
| Temperature: T F: [illegible] | n: .85 | | Fpv (From Tables): 1.020 | Gravity: .690 est. |

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

Q = 12.365 x 184 x .9990 x .9325 x 1.020 = 2162 MCF D

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

Aof = $\left( \frac{1,092,025}{1,039,584} \right)^n$ $1.0504^{.85}$ x 2162 = 1.0426 x 2162

Aof = 2254 MCF D



TESTED BY R. A. Ullrich

WITNESSED BY Virgil Stoabs

L. D. Galloway

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OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE
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