

OPEN FLOW TEST DATA

DATE 8/30/72

| | | | |
|--|----------------------|---|---------------------|
| Operator El Paso Natural Gas Company | | Lease Dev "A" #15 | |
| Location 1660/S, 1050/E, Sec. 17, T29N, R8W | | County SJ | State NM |
| Formation PC <i>Egt</i> | | Pool Undesignated <i>Blanco</i> | |
| Casing: Diameter 2.875 | Set At: Feet 3302 | Tubing: Diameter No tubing | Set At: Feet |
| Pay Zone: From 3194 | To 3220 | Total Depth: 3302 | Shut In 8/23/72 |
| Stimulation Method SIT | | Flow Through Casing X | Flow Through Tubing |

| | | | | | |
|---------------------------------------|--------------------|---|--|-----------------------|------------|
| Choke Size, Inches .750 | | Choke Constant: C 12.365 | | Tubingless completion | |
| Shut-In Pressure, Casing, PSIG 830 | + 12 = PSIA 842 | Days Shut-In 7 | Shut-In Pressure, Tubing PSIG no tubing | + 12 = PSIA | |
| Flowing Pressure: P PSIG 131 | + 12 = PSIA 143 | Working Pressure: Pw PSIG Calculated | + 12 = PSIA 132 | | |
| Temperature: T = 63 °F | Ft = .9971 | n = .85 | Fpv (From Tables) 1.013 | Gravity .635 | Fg = .9721 |

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = 12.365 \times 143 \times .9971 \times .9721 \times 1.013 = 1736 \text{ MCF/D}$$

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

$$Aof = \left(\frac{708964}{675840} \right)^n = (1736)(1.0490)^{.85} = (1736)(1.0415)$$

$$Aof = 1803 \text{ MCF/D}$$

NOTE: Well produced light mist of water and distillate

TESTED BY Don Norton

WITNESSED BY

J. A. Jones
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Well Test Engineer

