

# OPEN FLOW TEST DATA

Date: June 29, 1956

Operator: El Paso Natural Gas Company

Lease: Bolack # 6-C

Location: 1650'S, 1560'E, Sec. 31-27-8

County: San Juan State: N.M.

Formation: Pictured Cliff

Pool: South Blanco

Casing: 5 1/2 " Set @ 2084 '

Tubing: 1 1/2 " Set @ 1973 '

Pay Zone: 1984 ' To: 2010 '

Total Depth: 2084 - c/o - 2025 '

Choke Size: 3/4 "

Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac. Flow Through: Casing X Tubing

Shut-In Pressure Casing: 702 psig / 12 = 714 psia (Shut-in 7 days)

Shut-In Pressure Tubing: 702 psig / 12 = 714 psia

Flowing Pressure: P : 191 psig / 12 = 203 psia

Working Pressure: P<sub>w</sub> : 216 psig / 12 = 228 psia

Temperature: T : 79 °F / 460 = 539 ° Absolute

F<sub>pv</sub> (from tables) : 1.018 Gravity 0.650 est. n 0.85

$$\text{Choke Volume} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = 14.1605 \times 191 \times .9822 \times .9608 \times \frac{1.018}{1.018} = \underline{2599} \text{ MCF/D}$$

$$\text{Open Flow} = Aof = Q$$

$$Aof = 2599$$

$$\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$\left[ \frac{509,796}{468,587} \right]^n$$

$$= (1.0879)^{.85} Q = 1.0743 (Q)$$

$$Aof = \underline{2,792} \text{ MCF/D}$$

Tested By: D. C. Adams

Witnessed By: \_\_\_\_\_



Lewis D. Galloway  
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