

OPEN FLOW TEST DATA

Date: June 10, 1964

Operator: J. E. Abraham Lease: Starie Job # 1

Location: SW/4 S-25N-3W County: D A State: N. M.

Formation: P C Pool: _____

Casing: 4 1/2 " Set @ 3830 ' Tubing: 2 3/8 " Set @ 3775 '

Pay Zone: 3765 ' To: 3792 ' Total Depth: _____

Choke Size: 3/4 THC " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 791 psig / 12 = 803 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 790 psig / 12 = 802 psia

Flowing Pressure: P : 311 psig / 12 = 323 psia

Working Pressure: P_w : 763 psig / 12 = 775 psia

Temperature: T : 61 °F / 460 = 521 °Absolute

F_{pv} (from tables) : 1.085 Gravity .650 n .85

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

$$12.365 \times 311 \times .9990 \times .9608 \times 1.085 = \underline{4005} \text{ MCF/D}$$

$$Q =$$

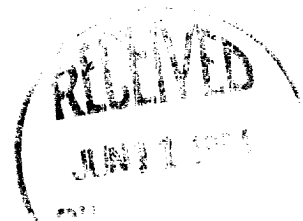
Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{644,809}{44,184} = 14.5937 = 9.7621$$

Aof = 39.027 MCF/D

Tested By: John Shipley

Witnessed By: _____



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