

OPEN FLOW TEST DATA

Date: 4-2-63

Operator: W. H. Miller

Lease: W. H. Miller

Location: W. H. Miller

County: San Antonio State: N.M.

Formation:

Pool:

Casing: 4 1/2 " Set @ 2000

Tubing: 1 1/2 " Set @ 2000

Pay Zone: 2000 To: 2000

Total Depth: 2000

Choke Size: 2 1/2 " Choke Constant = C = 12.335

Stimulation Method:

Flow Through: Casing 8 Tubing

Shut-in Pressure Casing: 207 psig / 12 = 207 psia (Shut-in 2 days)

Shut-in Pressure Tubing: 207 psig / 12 = 207 psia

Flowing Pressure: P : 194 psig / 12 = 194 psia

Working Pressure: P_w : psig / 12 = psia

Temperature: T : 40 °F / 460 = 480 °Absolute

F_{pv} (from tables) : 1.000 Gravity 1.000

Choke Volume = Q = C x P_c x P_t x P_g x F_{pv}

$$Q = 12.335 \times 194 \times 1.000 \times 1.000 \times 1.000$$

$$= 2400 \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

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

$$= 1.000 \times 1.000$$

Aof =

$$2400 \text{ MCF/D}$$



Tested By: W. H. Miller

Witnessed By: W. H. Miller