

# OPEN FLOW TEST DATA

Date: Dec. 12 1962

Operator: SHAW-PLAN

Lease: CRANE FEDERAL No. 3

Location: NW/4 Sec. 32 - 24N - 1W

County: RIO ARriba State: N. M.

Formation: PICUREL CLIFF

Pool: \_\_\_\_\_

Casing: 4 1/2 " Set @ 3475

Tubing: 1 " Set @ 3404

Pay Zone: 3383 ' To: 3410

Total Depth: 3500

Choke Size: 3/4 THC

Choke Constant = C = 12.365

Stimulation Method: \_\_\_\_\_

Flow Through: Casing X Tubing

Shut-in Pressure Casing: 640 psig / 12 = 652 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 640 psig / 12 = 652 psia

Flowing Pressure: P : 109 psig / 12 = 121 psia

Working Pressure: P<sub>w</sub> : \_\_\_\_\_ psig / 12 = \_\_\_\_\_ psia

Temperature: T : 44 °F / 460 = 504 °Absolute

F<sub>pv</sub> (from tables) : 1.012 Gravity .620 n .85

Choke Volume = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

$$Q = 12.365 \times 121 \times 1.0157 \times .9637 \times 1.012$$

$$= 1513 \text{ MCF/D}$$

Open Flow -- Aof = Q

Aof =

$$\left[ \frac{P_c^2 - P_w^2}{425,104} \right]^{.n}$$

$$= 1.0357 \approx 1.0302$$

Aof =

$$1506 \text{ MCF/D}$$

Tested By: \_\_\_\_\_

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

