

OPEN FLOW TEST DATA

Date: 2-2-63

Operator: SWAB-ALAN

Lease: JICARILLA B-4

Location: NW/4 11-23-28

County: Rio Arriba State: N. M.

Formation: _____

Pool: _____

Casing: 4 1/2 " Set 0 300

Tubing: 1 1/2 " Set 0

Pay Zone: 3110 ' To: 3120

Total Depth: 3200

Choke Size: 3/4 IN

Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 0.907 psig / 12 = 919 psia (Shut-in 0 days)

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

Flowing Pressure: P : 234 psig / 12 = 236 psia

Working Pressure: P_w : _____ psig / 12 = _____ psia

Temperature: T : 45 °F / 460 = 905 °Absolute

F_{pv} (from tables) : 1.006 Gravity Est. 640 n .95

$$\text{Choke Volume} = Q = C \times P_c^2 \times F_t \times F_g \times F_{pv}$$

$$12.365 \times 236 \times 1.0147 \times .9022 \times 1.006$$

$$Q =$$

$$= 2342 \text{ MCF/D}$$

Open Flow - Aof = Q

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

$$= \left[\frac{944,881}{702,245} \right]^n$$

$$= 1.0706 = 1.0006$$

$$Aof = 3.117 \text{ MCF/D}$$



Tested By: D. W. Stiles

GELECTRIC INC.

Witnessed By: Don Burton