

OPEN FLOW TEST DATA

Date: 8/5/63

Operator: SHAW-ALAN

Lease: JICARILLA D # 2

Location: SE 11 - 23N - 2W

County: RA State: MM

Formation: P C

Pool: UNDETERMINED

Casing: 4 1/2 " Set @ 3300

Tubing: 1 1/2 " Set @ 3223

Pay Zone: 3199 To: 3208

Total Depth: 3310

Choke Size: 3/4 THG

Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 934 psig / 12 = 966 psia (Shut-in 2 days)

Shut-in Pressure Tubing: 933 psig / 12 = 965 psia

Flowing Pressure: P : 110 psig / 12 = 130 psia

Working Pressure: P_w : 126 psig / 12 = 138 psia

Temperature: T : 47 °F / 460 = 507 °Absolute

F_{pv} (from tables) : 1.013 Gravity Est. 61.0 n 0.85



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

$$12.365 \times 130 \times 1.0127 \times 9918 \times 1.013$$

$$Q =$$

$$= \underline{1636} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{933.156}{914.112} = 1.0208 \approx 1.0176$$

$$Aof = \underline{1665} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____

GEELECTRIC INC