

OPEN FLOW TEST DATA

Date: 3-2-63

Operator: SWAN ALAN

Lease: JICARILLA #2-1

Location: NE/4 Sec 3 23N 2W

County: McCurtain State: OK

Formation: _____

Pool: _____

Casing: 4 1/2 " Set @ 3193

Tubing: 1 1/2 " Set @ 3070

Pay Zone: 3060 To: 3124

Total Depth: 3201

Choke Size: 3/4 THG

Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 835 psig / 12 = 847 psia (Shut-in 2 days)

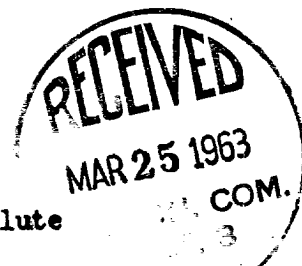
Shut-in Pressure Tubing: 835 psig / 12 = 847 psia

Flowing Pressure: P : 277 psig / 12 = 271 psia

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

Temperature: T : 40 °F / 460 = 500 °Absolute

F_{pv} (from tables) : 1.030 Gravity Est .640 n .25



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

$$Q = 12.365 \times 271 \times 1.0198 \times .9882 \times 1.030 = 3400 \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1148 = 1.0961$$

$$Aof = 3736 \text{ MCF/D}$$

Tested By: D. W. Stiles

Witnessed By: Don Burton

GEOLECTRIC INC.