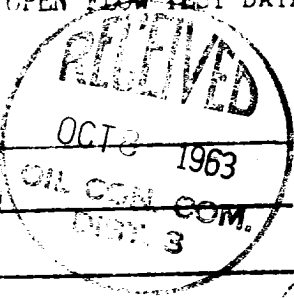


OPEN FLOW TEST DATA



Operator: _____ Date: _____
 Location: _____ Lease: _____
 Formation: _____ County: El Paso State: N.M.
 Pool: _____
 Casing: _____" Set @ _____' Tubing: 1 1/2" Set @ 3021
 Pay Zone: _____ To: _____' Total Depth: 3125
 Choke Size: _____" Choke Constant = C = 12.36

Stimulation Method: _____ Flow Through: Casing x Tubing _____

Shut-in Pressure Casing: 957 psig / 12 = 969 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 957 psig / 12 = 969 psia

Flowing Pressure: P : 278 psig / 12 = 290 psia

Working Pressure: P_w : 278 psig / 12 = 290 psia

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

F_{pv} (from tables) : 1.025 Gravity .823 n .85

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

$$12.36 \times 969 \times 1.025 \times 0.9237 \times 1.025 = 3671 \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0984 \approx 1.0831$$

$$Aof = 3923 \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____

GEOELECTRIC, INC.