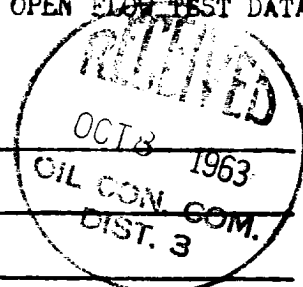


OPEN FLOW TEST DATA



Date: 8/6/63

Lease: GONZALES

County: RA State: N. M.

Pool: UNDESIGNATED

Operator: SEALED ALAN

Location: SE 34 - 24N - 2W

Formation: P. C.

Casing: 4 1/2 " Set @ 3250 ' Tubing: 1 1/2 " Set @ 3206 ' EY 100

Pay Zone: 3174 ' To: 3184 ' Total Depth: 3270

Choke Size: 3/4 THD " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 785 psig / 12 = 785 psia (Shut-in 1 days)

Shut-in Pressure Tubing: 785 psig / 12 = 797 psia

Flowing Pressure: P : 104 psig / 12 = 116 psia

Working Pressure: P_w : 117 psig / 12 = 129 psia

Temperature: T : 36 °F / 460 = 486 °Absolute

F_{pv} (from tables) : 1.011 Gravity Esr .610 n 85

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

$$12.365 \times 116 \times 1.0239 \times .9918 \times 1.011 = \underline{1473} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \left[\frac{635,904}{620,163} \right]^n = 1.0268 \approx 1.0227$$

Aof = 1506 MCF/D

Tested By: _____

Witnessed By: _____

GEOELECTRIC INC.