

OPEN FLOW TEST DATA

Date: 9-11-62

Operator: SHAB-ALAN

Lease: JICARILLA 3-F

Location: 13-23N-2W

County: San Andres State: N.M.

Formation: _____

Pool: _____

Casing: 4 1/2 " Set 3075

Tubing: 1 1/2 " Set 3003

Pay Zone: 3000 To: 3026

Total Depth: 3170

Choke Size: 3/4 THG

Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 970 psig / 12 = 982 psia (Shut-in 8 days)

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

Flowing Pressure: P : 396 psig / 12 = 396 psia

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

Temperature: T : 48 °F / 460 = 508 °Absolute

F_{pv} (from tables) : 1.041 Gravity .620 Est n .85

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

$$Q = 12.365 \times 396 \times 1.0117 \times .9837 \times 1.041 \times 5073 \text{ MCF/D}$$

$$\text{Open Flow} - Aof = Q$$

$$Aof =$$

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

$$= 1.1942 = 1.1627$$

$$Aof =$$

$$5898$$

$$\text{MCF/D}$$

Tested By: D W STILES

Witnessed By: _____

GEOLECTRIC INC.

B. H. Keyes

