

OPEN FLOW TEST DATA

Date: August 2, 1962

Operator: Char-Alan

Lease: Cross Fed. #6

Location: SW 1/4 Sec. 31, T. 24 N., R. 1 W

County: Bio Arriba State: N. M.

Formation: T C

Pool: Undesignated

Casing: 4 " Set @ 3270

Tubing: 1 " Set @ -

Pay Zone: 3260 ' To: 3280

Total Depth: 3390

Choke Size: 3/4 TBC

Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 707 psig / 12 = 719 psia (Shut-in 0 days)

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

Flowing Pressure: P : 107 psig / 12 = 109 psia

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

Temperature: T : 114 °F / 460 = 514 °Absolute

F_{pv} (from tables) : 1.010 Gravity .620 Est n 0.5

Choke Volume = C = C x P_t x F_t x F_g x F_{pv}

$$12.365 \times 109 \times 1.0053 \times .7837 \times 1.010 = \underline{1347} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{1/n} = 1.0199$$

$$Aof = \frac{516,261}{305,080} = \underline{1374} \text{ MCF/D}$$

Tested By: D. L. Stiles

Witnessed By: _____

Geoelectric, Inc.

