

OPEN FLOW TEST DATA

Date: August 2, 1962

Operator: Shar-Alan Lease: Douthitt Browning #2

Location: SW 1/4, Sec. 4, T. 23 N., R. 1 W County: Rio Arriba State: N. M.

Formation: P C Pool: Undesignated

Casing: 4 1/2 " Set @ 3148 ' Tubing: 1 " Set @ -

Pay Zone: 3120 ' To: 3134 ' Total Depth: 3255

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

Stimulation Method: _____ Flow Through: Casing x Tubing _____

Shut-in Pressure Casing: 70 psig / 12 = 712 psia (Shut-in 8 days)

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

Flowing Pressure: P : 101 psig / 12 = 113 psia

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

Temperature: T : 44 °F / 460 = 504 °Absolute

F_{pv} (from tables) : 1.011 Gravity .620 Est n 85

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

$$12.365 \times 113 \times 1.0157 \times .9837 \times 1.011 = \frac{1411}{n} \text{ MCF/D}$$

$$\text{Open Flow} - A_{of} = Q$$

$$A_{of} =$$

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

$$= 1.0218$$

$$A_{of} =$$

$$\frac{1411}{1.0218} \text{ MCF/D}$$

Tested By: D. W. Stiles

Witnessed By: _____

GeoElectric, Inc.

B. H. K. [Signature]

