

OPEN FLOW TEST DATA

Date: September 11, 1962

Operator: Shar Alan Lease: Jicarilla A #3

Location: SW₁ Sec. 1 - 23 N - 2 W County: Rio Arriba State: N. Mex.

Formation: _____ Pool: _____

Casing: 4 1/2 " Set @ 3260 ' Tubing: 1 " Set @ 3200

Pay Zone: 3152 ' To: 3162 ' Total Depth: 3290

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

Stimulation Method: _____ Flow Through: Casing x Tubing _____

Shut-in Pressure Casing: 768 psig / 12 = 780 psia (Shut-in 8 days)

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

Flowing Pressure: P : 115 psig / 12 = 127 psia

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

Temperature: T : 52 °F / 460 = 512 °Absolute

F_{pv} (from tables) : 1.013 Gravity .620 Est n 75

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

$$12.365 \times 127 \times 1.0078 \times .9837 \times 1.013 = \underline{1577} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \left[\frac{608,400}{592,271} \right]^n = 1.0272 = 1.0230$$

$$Aof = \underline{1613} \text{ MCF/D}$$

Tested By: D. W. Stiles

Witnessed By: _____

Geolectric, Inc.

B. B. Stiles

