

OPEN FLOW TEST DATA

Date: August 2, 1962
 Operator: Shar-Alan Lease: Jicarilla
 Location: SE 1/4 Sec. 24, T. 23 N., R. 2 W. County: Rio Arriba State: N. M.
 Formation: P C Pool: Indesignated
 Casing: 4 1/2 " Set @ 3070 ' Tubing: 1 " Set @ -
 Pay Zone: 2960 ' To: 2988 ' Total Depth: 3105
 Choke Size: 3/4 THC " Choke Constant = C = 12.365
 Stimulation Method: _____ Flow Through: Casing x Tubing _____
 Shut-in Pressure Casing: 946 psig / 12 = 958 psia (Shut-in 8 days)
 Shut-in Pressure Tubing: _____ psig / 12 = _____ psia
 Flowing Pressure: P : 123 psig / 12 = 135 psia
 Working Pressure: P_w : _____ psig / 12 = _____ psia
 Temperature: T : 49 °F / 460 = 509 °Absolute
 F_{pv} (from tables) : 1.013 Gravity .620 Est n .85

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

$$12.365 \times 135 \times 1.0107 \times .9837 \times 1.013 = 1682 \text{ MCF/D}$$

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

$$Aof =$$

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

$$\left[\frac{917,764}{899,539} \right]^n$$

$$= 1.0172$$

$$Aof =$$

$$1711$$

$$\text{MCF/D}$$

Tested By: D. W. Stiles

Witnessed By: _____

GeoElectric, Inc.



B. H. Kuyper