

OPEN FLOW TEST DATA

Date: August 2, 1962

Operator: Shar-Alan

Lease: Jicarilla #2

Location: SE¹, Sec. 13, T. 23 N., R. 2 W

County: Rio Arriba State: N. M.

Formation: P C

Pool: Indesignated

Casing: 4 1/2 " Set @ 3075

Tubing: 1 " Set @ -

Pay Zone: 2981 To: 3015

Total Depth: 3075

Choke Size: 3/4 THO

" Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing x Tubing

Shut-in Pressure Casing: 961 psig / 12 = 973 psia (Shut-in 8 days)

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

Flowing Pressure: P : 390 psig / 12 = 402 psia

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

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

F_{pv} (from tables) : 1.040 Gravity .620 Est n 85

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

$$12.365 \times 402 \times 1.0078 \times .9837 \times 1.040 = 5125 \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

$$\left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{.5} = \left[\frac{973^2 - 402^2}{973^2} \right]^{.5}$$

= 1.1724

Aof =

6009 MCF/D

Tested By: D. W. Stiles

Witnessed By: _____

Geoelectric, Inc.

B. H. Kuyper

