

# OPEN FLOW TEST DATA

Date: August 22, 1962

Operator: Shaw-Alum

Lease: Waller 2

Location: SW 1/4 Sec. 26, T4 N, R1 W

County: Elk State: W. Va.

Formation: Pictured Cliffs

Pool: S. Klamo

Casing: 4 1/2 " Set @ 3215 ' Tubing: 1 " Set @ 3192

Pay Zone: 3167 ' To: 3196 ' Total Depth: 3225

Choke Size: 1/4 700 " Choke Constant = C = 12.365

Stimulation Method: SW Flow Through: Casing X Tubing

Shut-in Pressure Casing: 625 psig / 12 = 707 psia (Shut-in 0 days)

Shut-in Pressure Tubing: \_\_\_\_\_ psig / 12 = \_\_\_\_\_ psia

Flowing Pressure: P : 143 psig / 12 = 145 psia

Working Pressure: P<sub>w</sub> : \_\_\_\_\_ psig / 12 = \_\_\_\_\_ psia

Temperature: T : 55 °F / 460 = 515 °Absolute

F<sub>pv</sub> (from tables) : 1.015 Gravity .492 n 0.6

Choke Volume = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

$$12.365 \times 143 \times 1.0048 \times .9837 \times 1.015 = \underline{2047} \text{ MCF/D}$$

$$\text{Open Flow - Aof} = Q = \left[ \frac{P_c^2 - P_w^2}{P_c^2} \right]^n$$

$$\text{Aof} = \left[ \frac{472.650}{472.650} \right]^n = \underline{1.0007}$$

$$\text{Aof} = \underline{2147} \text{ MCF/D}$$

Tested By: B. W. Stiles

Witnessed By: \_\_\_\_\_

Geological, Inc.

[Signature]

