

OPEN FLOW TEST DATA

Date: July 27, 1962

Operator: Shaw-Allen

Lease: Ben Fed. #1

Location: NE 1/4 Sec 34 T. 24 N. R. 2 W.

County: Rio Arriba State: N. M.

Formation: P C

Pool: Undesignated

Casing: 4 1/2 " Set @ 3157

Tubing: 1 " Set @ 3120

Pay Zone: 3120 To: 3124

Total Depth: 3173

Choke Size: 3/4 I.D.

Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing X Tubing

Shut-in Pressure Casing: 742 psig / 12 = 754 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 742 psig / 12 = 754 psia

Flowing Pressure: P : 128 psig / 12 = 140 psia

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

Temperature: T : 41 °F / 460 = 501 °Absolute

F_{pv} (from tables) : 1.015 Gravity .620 Est n 85

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

$$12.365 \times 140 \times 1.0188 \times .9837 \times 1.015 = \frac{1761}{\text{MCF/D}}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{1/n} = 1.0302$$

$\left[\frac{568,516}{548,916} \right]^{1/n}$

Aof = 1814 MCF/D

Tested By: D. W. Stiles

Witnessed By: _____

Geolectric, Inc.



B. N. Keyes

