

OPEN FLOW TEST DATA

Date: July 27, 1962
 Operator: Shar-Alan Lease: Killett Fed. #1
 Location: SW 1/4 Sec. 6, T. 23 N., R. 1 W. County: Sio Arriba State: N. M.
 Formation: P G Pool: Undesignated
 Casing: 4 1/2 " Set @ 3377 ' Tubing: 1 " Set @ 3340
 Pay Zone: 3336 ' To: 3346 ' Total Depth: 3377
 Choke Size: 3/4 THG " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 730 psig / 12 = 742 psia (Shut-in _____ days)

Shut-in Pressure Tubing: 730 psig / 12 = 742 psia

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

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

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

F_{pv} (from tables) : 1.013 Gravity .620 Rat n 85

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

$$12.365 \times 127^{\frac{Q}{n}} \times 1.0188 \times .9837 \times 1.013 = \underline{1594} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

$$\left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{\frac{n}{2}} = \frac{550,564}{534,435} = 1.0256$$

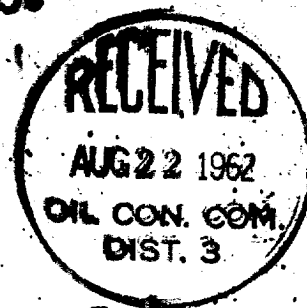
Aof =

1635

MCF/D

Tested By: D. W. Stiles

Witnessed By: _____



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