

OPEN FLOW TEST DATA

Date: July 28, 1962
 Operator: Shar-Alan Lease: Hall Pad #1
 Location: NW 1/4, Sec. 6, T. 23 N., R. 1 W. County: Bio Arriba State: N. M.
 Formation: P C Pool: Undesignated
 Casing: 4 1/2 " Set @ 3240 Tubing: 1 " Set @ 3205
 Pay Zone: 3205 To: 3220 Total Depth: 3240
 Choke Size: 3/4 TBC Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing x Tubing _____

Shut-in Pressure Casing: 775 psig / 12 = 787 psia (Shut-in 8 days)

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

Flowing Pressure: P : 122 psig / 12 = 134 psia

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

Temperature: T : 43 °F / 460 = 503 °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}

$$12.365 \times 134^2 \times 1.0168 \times .9837 \times 1.013 = \frac{1680}{n} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{1/2} \times \left[\frac{1680}{n} \right]^{1/2} = 1.0253$$

$$Aof = \frac{619,369}{601,413} = 1.0253 \text{ MCF/D}$$

Tested By: D. W. Stiles

Witnessed By: _____

Gelectric, Inc.

Blk Kuyed

