

OPEN FLOW TEST DATA

Date: 4-12-62

Operator: Shaw-Alon

Lease: Duff Pool, #2

Location: SE 1/4 Sec 27 - T12N 24W-R14

County: R.A. State: N.M.

Formation: DC

Pool: _____

Casing: 4 1/2 " Set @ 3025

Tubing: 1 1/2 " Set @ 3010

Pay Zone: 2996 To: 3016

Total Depth: 3035

Choke Size: 3/4

Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 855 psig / 12 = 867 psia (Shut-in _____ days)

Shut-in Pressure Tubing: 855 psig / 12 = 867 psia

Flowing Pressure: P : 173 psig / 12 = 184 psia

Working Pressure: P_w : 174 psig / 12 = 186 psia

Temperature: T : 51 °F / 460 = 511 °Absolute

F_{pv} (from tables) : 1.019 Gravity .660 Ret. n 85

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

Q = _____ = 2254 MCF/D

12.365 x 186 x 1.0088 x .9535 x 1.019 ⁿ

Open Flow - Aof = Q

$$\left[\frac{P_c}{P_c^2 - P_w^2} \right]^n$$

867
184

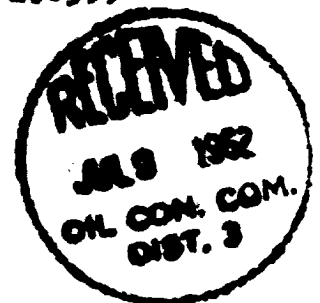
$$\left[\frac{751.689}{717.833} \right]^n$$

Aof = _____ = 1.0472 = 1.0399

Aof = 2344 MCF/D

Tested By: _____

Witnessed By: _____



Jack A. Cole