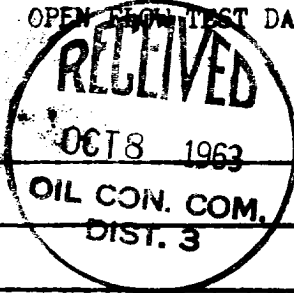


OPEN FLOW TEST DATA



Operator: Shar Alan Date: 9-12-63
 Location: NE/4 13-23N-2W Lease: Vicerville F # 1-4
 Formation: PC County: RAE State: N. H.
 Pool: S. Klance
 Casing: 4 1/2 " Set @ 3146 ' Tubing: 1 1/2 " Set @ 3032
 Pay Zone: 3030 ' To: 3048 ' Total Depth: 3150
 Choke Size: 1/4 TBC " Choke Constant = C = 12.365
 Stimulation Method: _____ Flow Through: Casing _____ Tubing X
 Shut-in Pressure Casing: 936 psig / 12 = 948 psia (Shut-in 8 days)
 Shut-in Pressure Tubing: 935 psig / 12 = 947 psia
 Flowing Pressure: P : 126 psig / 12 = 126 psia
 Working Pressure: P_w : 503 psig / 12 = 515 psia
 Temperature: T : 43 °F / 460 = 503 °Absolute
 F_{pv} (from tables) : 1.012 Gravity .622 n 85

$$\text{Choke Volume} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$12.365 \times 126 \times 1.0168 \times .9837 \times 1.012 = \underline{1577} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^n = 1.4187 = 1.3461$$

$$Aof = \underline{2123} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____

Gelectric, Inc.

Att: Kay