

OPEN FLOW TEST DATA

Date: 9-26-62

Operator: Tidewater Oil Co. Lease: 3-2-1

Location: 3-274-121 County: N. J. State: N. J.

Formation: Sabota Pool: _____

Casing: 2 1/2" Set @ 6220' Tubing: 2 3/8" Set @ 6094

Pay Zone: 6061 To: 6087 Total Depth: 6220

Choke Size: 3/4 T. B. C. Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 2145 psig / 12 = 2157 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 2142 psig / 12 = 2150 psia

Flowing Pressure: P : 498 psig / 12 = 498 psia

Working Pressure: P_w : 1502 psig / 12 = 1502 psia

Temperature: T : 70 °F / 460 = 530 °Absolute

F_{pv} (from tables) : 1.039 Gravity .700 Est. n 75

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

$$12.365 \times 498 \times .9905 \times .9256 \times 1.039 = 5780 \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{1/n} = 1.9413 = 1.6032$$

Aof = 7.826 MCF/D

Tested By: E. W. Stiles

Witnessed By: _____

Oolectric, Inc.



B. H. Kuyper