

OPEN FLOW TEST DATA

Date: AUGUST 1, 1957
 Operator: BILLING CO. Lease: BAHAM
 Location: 36 7 10 - 27 4 - 8 County: AM GUAN State: LAOS
 Formation: FLYING LIPS Pool: LANCO
 Casing: 5 1/2 " Set @ 2135 ' Tubing: 3/4 " Set @ 2125 '
 Pay Zone: 2135 ' To: 2210 ' Total Depth: 2210 '
 Choke Size: 3/4 " Choke Constant = C = 1.1605
 Stimulation Method: None Flow Through: Casing x Tubing
 Shut-In Pressure Casing: 876 psig / 12 = 898 psia (Shut-in 7 days)
 Shut-In Pressure Tubing: 876 psig / 12 = 898 psia
 Flowing Pressure: P : 54 psig / 12 = 166 psia
 Working Pressure: P_w : 463 psig / 12 = 475 psia
 Temperature: T : 60 °F / 460 = 520 ° Absolute
 F_{pv} (from tables) : 1.088 Gravity .630 est n .85

$$\text{Choke Volume} = Q = \frac{1.1605 \times 14.7 \times 1.0 \times 1.0 \times 1.0 \times 1.088}{C \times P_t \times F_t \times F_g \times F_{pv}}$$

$$Q = \frac{1.1605 \times 14.7 \times 1.0 \times 1.0 \times 1.0 \times 1.088}{1.1605 \times 14.7 \times 1.0 \times 1.0 \times 1.088} = 7.96 \text{ MCF/D}$$

$$\text{Open Flow} = Aof = Q$$

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3316$$

$$Aof = 9.329 \text{ MCF/D}$$

Tested By: JOHN T. RILEY, INC.
 Witnessed By: B. H. KEYS AGENT
AMERICAN OIL & GAS INFORMATION COMMISSION
MERV E. ARNOLD

B. H. Keys