

# OPEN FLOW TEST DATA

Date: June 12, 1964

Operator: Shaw Alan Oil Co.

Lease: Palman # 2

Location: SE/4 8-23N-2W

County: R A State: N. M.

Formation: Pictured Cliff

Pool: S. Blanco

Casing: 4 1/2 " Set @ 3080

Tubing: 1 1/2 " Set @ 3000

Pay Zone: 3004 3015 To: 3010 3025

Total Depth: 3085

Choke Size: 3/4 THG

Choke Constant = C = 12.365

Stimulation Method: \_\_\_\_\_

Flow Through: Casing \_\_\_\_\_ Tubing X

Shut-in Pressure Casing: 949 psig / 12 = 961 psia (Shut-in 2 days)

Shut-in Pressure Tubing: 949 psig / 12 = 961 psia

Flooding Pressure: P : 160 psig / 12 = 172 psia

Working Pressure: P<sub>w</sub> : 692 psig / 12 = 704 psia

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

P<sub>pv</sub> (from tables) : 1.016 Gravity 650 n 85

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

$$12.365 \times 172 \times .9905 \times .9608 \times 1.016$$

$$= 2056 \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

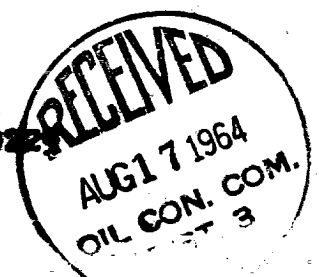
$$\left[ \frac{P_c^2 - P_w^2}{P_c^2} \right]^{.5}$$

$$\left[ \frac{923.521}{427,905} \right]^{.5}$$

$$= 2.1582 = 2.102$$

Aof =

$$4159 \text{ MCF/D}$$



Tested By: \_\_\_\_\_

Witnessed By: \_\_\_\_\_

Geophysical, Inc.