

OPEN FLOW TEST DATA

Date: 6-14-65

Operator: J. R. Abraham Lease: Stavie Joe Tract #6

Location: NE/NW 6-25N-3W County: RA State: NM

Formation: Pictured Cliff Pool: Tapacito

Casing: 4 1/2 " Set @ 3878 ' Tubing: 2-3/8 " Set @ 3800

Pay Zone: 3844 ' To: 3856 ' Total Depth: 3880

Choke Size: 3/4" THG " Choke Constant = C = 12.3650

Stimulation Method: _____ Flow Through: Casing _____ Tubing ^x

Shut-in Pressure Casing: 648 psig / 12 = 660 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 648 psig / 12 = 660 psia

Flowing Pressure: P : 481 psig / 12 = 493 psia

Working Pressure: P_w : 622 psig / 12 = 634 psia

Temperature: T : 64 °F / 460 = 524 °Absolute

F_{pv} (from tables) : 1.050 Gravity .650 n .85

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

$$12.365 \times 493 \times .9962 \times .9608 \times 1.050$$

$$Q = \underline{\underline{6127}} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{435,600} \right]^{.75} = 12.9473 \times 8.749$$

$$Aof = \underline{\underline{53,907}} \text{ MCF/D}$$

Tested By: John Shipley

Witnessed By: _____

Calculated by
GeoElectric, Inc.

B. H. Keyser

