

OPEN FLOW TEST DATA

Date: February 27, 1967

Operator: J. R. Abraham

Lease: PEC Oil & Gas Co. #1

Location: NW/NW of Sec. 7 25North 3West

County: Rio Arriba State: N.M.

Formation: Picture Cliff

Pool: Tapacito South Blanco PC

Casing: 4 1/2 " Set @ 3832 ' Tubing: 2 3/8 " Set @ 3850 '

Pay Zone: 3866 ' To: 3878 ' Total Depth: 3941 '

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

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 825 psig / 12 = 837 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 825 psig / 12 = 837 psia

Flowing Pressure: P : 402 psig / 12 = 414 psia

Working Pressure: P_w : 510 psig / 12 = 522 psia

Temperature: T : 42 °F / 460 = 502 °Absolute

F_{pv} (from tables) : 1.044 Gravity Est. 630n 85

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

$$12.365 \times 414 \times 1.0178 \times .9759 \times 1.044$$

$$Q =$$

$$= \underline{5308} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

$$\left[\frac{P_c^2 - P_w^2}{700569} \right]^n$$

$$= 1.6365 = 1.5198$$

Aof =

$$\underline{8.067} \text{ MCF/D}$$



Tested By: _____

Witnessed By: _____

B. H. Hayes
Gelectric Inc.

