

OPEN FLOW TEST DATA

Date: 2-11-64
 Operator: MIKE ABRAHAM Lease: DELTA #2
 Location: 21 - 25 - 6 County: RIO ARriba State: N.M.
 Formation: PICTURED CLIFF Pool: SOUTH BLANCO
 Casing: 4 1/2 " Set @ 2420 ' Tubing: 1 1/2 " Set @ 2401
 Pay Zone: 2304 ' To: 2366 ' Total Depth: 2420
 Choke Size: 3/4 THC " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

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

Shut-in Pressure Tubing: 705 psig / 12 = 717 psia

Flowing Pressure: P : 82 psig / 12 = 94 psia

Working Pressure: P_w : 213 psig / 12 = 225 psia

Temperature: T : 60 °F / 460 = 520 °Absolute

F_{pv} (from tables) : 1.012 Gravity Est. 680 n 85

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

$$12.365 \times 94 \times 1.000 \times .9393 \times 1.012$$

$$Q =$$

$$= 1104 \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

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

$$\left[\frac{514,089}{463,464} \right]^n$$

$$= 1.1092 = 1.0920$$

Aof =

$$1206 \text{ MCF/D}$$



Tested By: D. W. STILES

Witnessed By: _____

GEOLECTRIC, INC.