

OPEN FLOW TEST DATA

Date: JULY 6, 1960

Operator: MIKE ABRAHAM

Lease: JICARILLA # 2

Location: E SEC. 27 - 24N - 5W

County: RA State: N.M.

Formation: PICTURED CLIFF

Pool: BALLARD

Casing: 5 1/2 " Set @ 2213

Tubing: _____ " Set @ _____

Pay Zone: 2252 ' To: 2290

Total Depth: 2290

Choke Size: 3/4 T H C

" Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 544 psig / 12 = 556 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 544 psig / 12 = 556 psia

Flowing Pressure: P : 98 psig / 12 = 110 psia

Working Pressure: P_w : 257 psig / 12 = 269 psia

Temperature: T : 59 °F / 460 = 513 °Absolute

F_{pv} (from tables) : _____ Gravity Est. 670 n 85

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}

$$12.365 \times 110 \times 1.001 \times .9463 \times 1.012 = \underline{1304} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{236,775} \right]^n = 1.2543$$

$$Aof = \underline{1636} \text{ MCF/D}$$

Tested By: D. W. STILES

Witnessed By: OSCAR ABRAHAM

GELECTRIC, INC.