

OPEN FLOW TEST DATA

Date: Nov. 10, 1965
 Operator: Shar Alan Oil Co Lease: Jicarilla L # 2
 Location: Sec 15 23N 2W of SE/4 County: Rio Arriba State: N. M.
 Formation: Pictured Cliff Pool: South Blanco
 Casing: 4 1/2 " Set @ 3095 ' Tubing: 1" EUE " Set @ 3024
 Pay Zone: 3018 ' To: 3032 ' Total Depth: 3100
 Choke Size: 3/4 THG " Choke Constant = C = 12.365
 Stimulation Method: _____ Flow Through: Casing X Tubing _____
 Shut-in Pressure Casing: 942 psig / 12 = 954 psia (Shut-in 7 days)
 Shut-in Pressure Tubing: 934 psig / 12 = 946 psia
 Flowing Pressure: P : 246 psig / 12 = 258 psia
 Working Pressure: P_w : _____ psig / 12 = 271 psia Calculated
 Temperature: T : 51 °F / 460 = 511 °Absolute
 F_{pv} (from tables) : 1.030 Gravity .670 Est n 85

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

$$12.365 \times 258 \times 1.0088 \times 9463 \times 1.030 = \underline{3136} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^n = \left[\frac{910,116}{836,675} \right]^n = 1.0878 = 1.0742$$

$$Aof = \underline{3369} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____

Geolectric Inc.

