

OPEN FLOW TEST DATA

Operator: SEMA ALIX Date: 9/5/63
 Location: SVL 110 23N 2W Lease: JICARILLA J - 3
 Formation: P 2 County: RA State: N. M.
 Pool: UNDESIGNATED
 Casing: 4 1/2 " Set @ 3111 ' Tubing: 1 1/2 " Set @ 3045 '
 Pay Zone: 3065 ' To: 3027 ' Total Depth: 3120 '
 Choke Size: 3/4 IN " Choke Constant = C = 12.365
 Stimulation Method: _____ Flow Through: Casing X Tubing _____
 Shut-in Pressure Casing: 937 psig / 12 = 949 psia (Shut-in 2 days)
 Shut-in Pressure Tubing: 936 psig / 12 = 948 psia
 Flowing Pressure: P : 144 psig / 12 = 156 psia
 Working Pressure: P_w : 158 psig / 12 = 170 psia
 Temperature: T : 31 °F / 460 = 493 °Absolute
 F_{pv} (from tables) : 1.015 Gravity Est. .610 n 85

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

$$12.365 \times 156 \times 1.0291 \times .9918 \times 1.015 = \underline{1999} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{900.601 - 871.701} \right]^n = 1.0332 \approx 1.0281$$

Aof = 2055 MCF/D

Tested By: _____

Witnessed By: _____

GEOELECTRIC INC.