

OPEN FLOW TEST DATA

Date: -) 10-13-62
 Operator: SHAR-ALAM Lease: JIGABILLA G-2
 Location: SE/4 SEC 14-23N-2W County: RIO ARriba State: N.M.
 Formation: Pictured Cliff Pool: _____
 Casing: 4 1/2 " Set @ 3057 ' Tubing: 1 1/2 " Set @ _____
 Pay Zone: 2966 ' To: 2988 ' Total Depth: 3090
 Choke Size: 3/4 THC " Choke Constant = C = 12.365
 Stimulation Method: _____ Flow Through: Casing X Tubing _____
 Shut-in Pressure Casing: 945 psig / 12 = 957 psia (Shut-in 7 days)
 Shut-in Pressure Tubing: 945 psig / 12 = 957 psia
 Flowing Pressure: P : 121 psig / 12 = 133 psia
 Working Pressure: P_w : _____ psig / 12 = _____ psia
 Temperature: T : 42 °F / 460 = 502 °Absolute
 F_{pv} (from tables) : 1.013 Gravity .620 Est n 85

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

$$Q = 12.365 \times 133 \times 1.0178 \times .9817 \times 1.013 = \underline{1665} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{898,160} \right]^{.5} = 1.0197 = 1.0166$$

$$Aof = \underline{1693} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____



GEOELECTRIC INC

[Signature]

