

OPEN FLOW TEST DATA

Date: 11-7-63

Operator: Char--Ala Lease: Jicarilla L-1

Location: W/4 15-23 -2W County: RA State: N. M.

Formation: _____ Pool: Undesignated

Casing: 4 1/2 " Set 0 ' Tubing: 1 " Set 0 '

Pay Zone: _____ ' To: _____ ' Total Depth: _____

Choke Size: 3/4 THC " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 916 psig / 12 = 928 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 916 psig / 12 = 928 psia

Flowing Pressure: P : 118 psig / 12 = 118 psia

Working Pressure: P_w : _____ psig / 12 = _____ psia

Temperature: T : 40 °F / 460 = 500 °Absolute

F_{pv} (from tables) : 1.013 Gravity .620 n .85

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

$$12.365 \times 118 \times 1.0198 \times .9837 \times 1.013 = \underline{1483} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

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

$$\left[\frac{861,184}{847,260} \right]^n = 1.0164 = 1.0138$$

Aof =

$$\underline{1503} \text{ MCF/D}$$



Tested By: _____

Witnessed By: _____

Geolastic, Inc.
