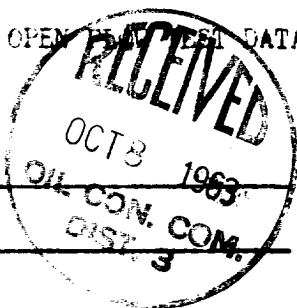


OPEN HOLE TEST DATA



Operator: SHAR-ALON Date: 6-29-63
 Location: NE/4 SEC 4 T3N 2E Lease: JILBARILLA No. 1
 Formation: PC County: RIO ARriba State: N.M.
 Pool: UNDESIGNATED
 Casing: 4 1/2 " Set @ 3059 ' Tubing: 1 1/2 " Set @ 3005
 Pay Zone: 2988 ' To: 94 ' Total Depth: 3080
 Choke Size: 1 1/2 TMS " Choke Constant = C = 12.935

Stimulation Method: _____ Flow Through: Casing _____ Tubing 3

Shut-in Pressure Casing: 974 psig / 12 = 906 psia (Shut-in 0 days)

Shut-in Pressure Tubing: 974 psig / 12 = 906 psia

Flowing Pressure: P : 121 psig / 12 = 163 psia

Working Pressure: P_w : 762 psig / 12 = 704 psia

Temperature: T : 49 °F / 460 = 509 °Absolute

F_{pv} (from tables) : 1.015 Gravity 50.7-640 n 0.85

$$\text{Choke Volume} = Q = C \times P_c \times F_c \times F_g \times F_{pv}$$

$$906 \times 12 \times 1.0107 \times 0.982 \times 1.015$$

$$Q =$$

$$= \underline{1200} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof =$$

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

$$972,196$$

$$307,540$$

n

$$= 2.7191 - 2.3401$$

$$Aof =$$

$$3674$$

$$\text{MCF/D}$$

Tested By: _____

Witnessed By: _____