

OPEN FLOW TEST DATA

Date: Oct. 15, 1963

Operator: SMAR - ALAN

Lease: JUANILLA J. & A.

Location: NW/4 Sec. 10 23N 2W

County: RA State: N.M.

Formation: PARTHENON G. S.F.

Pool: UNDESIGNATED

Casing: 4 1/2 " Set 3097

Tubing: 1 1/2 " Set 3038

Pay Zone: 3010 To: 3040

Total Depth: 3183

Choke Size: 3/4 THG

Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 981 psig / 12 = 993 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 8.0000 psig / 12 = _____ psia

Flowing Pressure: P : 293 psig / 12 = 295 psia

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

Temperature: T : 50 °F / 460 = 510 °Absolute

F_{pv} (from tables) : 1.028 Gravity .620 Est n .85

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

$$12.365 \times 295 \times 1.0098 \times .9837 \times 1.028$$

$$= \underline{3725} \text{ MCF/D}$$

$$\text{Open Flow} - A_{of} = Q$$

$$A_{of} =$$

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

$$= 1.0908 = 1.0817$$

$$A_{of} =$$

$$\underline{4029} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____



GEOELECTRIC INC.