

OPEN FLOW TEST DATA

Date: 10-1-65

Operator: Shur Allen

Lease: Jicarilla "H" #3

Location: SW/4 Sec. 6 T3N 2W

County: Rio Arriba State: N.M.

Formation: Floated Glast

Pool: South Blanco

Casing: 5 1/2" Set @ 3050

Tubing: 3 1/2" Set @ 2985

Pay Zone: 2977 To: 3002

Total Depth: 3005

Choke Size: 3/4 TBC

Choke Constant = C = 12.365

Stimulation Method: _____

Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 952 psig / 12 = 962 psia (Shut-in 2 days)

Shut-in Pressure Tubing: 952 psig / 12 = 962 psia

Flowing Pressure: P : 262 psig / 12 = 272 psia

Working Pressure: P_w : 305 psig / 12 = 317 psia

Temperature: T : 47 °F / 460 = 507 °Absolute

F_{pv} (from tables) : 1.034 Gravity 62.672 n 25

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

$$12.365 \times 270 \times 1.0127 \times .9463 \times 1.034$$

$$Q =$$

$$= 3352 \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

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

$$\left[\frac{925.444}{826.955} \right]^n$$



$$= 1.1212 - 1.1026$$

Aof =

$$3701 \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____

ONELECTRIC, INC.