

# OPEN FLOW TEST DATA

Date: Feb. 9, 1969

Operator: William C. Russell

Lease: Hammond #49

Location: Sec 35 T27N R8W  
SE/NW

County: San Juan State: N. M.

Formation: Pictured Cliffs

Pool: Blanco PC

Casing: 4 1/2 " Set @ 3350 ' Tubing:          " Set @         

Pay Zone:          ' To:          ' Total Depth: 3550

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

Stimulation Method:          Flow Through: Casing X Tubing         

Shut-in Pressure Casing: 550 psig / 12 = 562 psia (Shut-in 8 days)

Shut-in Pressure Tubing:          psig / 12 =          psia

Flowing Pressure: P : 283 psig / 12 = 295 psia

Working Pressure: P<sub>w</sub> :          psig / 12 = 300 psia Calculated

Temperature: T : 45 °F / 460 =          °Absolute

F<sub>pv</sub> (from tables) : 1.037 Gravity .670 Est. n 85

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

$$12.365 \times 295 \times 1.0147 \times .9463 \times 1.037$$

$$Q = \underline{\hspace{2cm}} = \underline{3633} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[ \frac{P_c^2 - P_w^2}{315,844} \right]^n = 1.3985 = 1.3298$$

$$Aof = \underline{4831} \text{ MCF/D}$$



Tested By:         

Witnessed By:         

GeoElectric, Inc.

