

OPEN FLOW TEST DATA

Date: February 8, 1966

Operator: Shar Alan Oil Company Lease: Jicarilla L #3

Location: SW/4 Sec. 15 TWP 23N Rge. 2W County: Rio Arriba State: N. Mexico

Formation: PC Pool: South Blanco Pool

Casing: 4 1/2 " Set @ 3100 ' Tubing: 1 1/2 " Set @ 3046

Pay Zone: 3050 ' To: 3070 ' Total Depth: 3125

Choke Size: 3/4 THG " Choke Constant = C = 12365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 953 psig / 12 = 965 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 952 psig / 12 = 964 psia

Flowing Pressure: P : 167 psig / 12 = 179 psia

Working Pressure: P_w : 780 psig / 12 = 792 psia

Temperature: T : 51 °F / 460 = 511 °Absolute

F_{pv} (from tables) : 1.020 Gravity .670 Est n 85

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

$$12.365 \times 179 \times 1.0088 \times .9463 \times 1.020$$

$$Q = \underline{2154} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{929,296 - 302,032} \right]^n = 3.0768 = 2.5994$$

$$Aof = \underline{5599} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____



GeoLectric, Inc.

B. H. Hanger