

OPEN FLOW TEST DATA

Date: 10-1-64

Operator: Sbar Alan Lease: Jicarilla I #4

Location: NW/4 23 23N 2W County: Sandoval State: N.M.

Formation: Pictured Cliff Pool: South Blanco

Casing: 4 1/2 " Set $\bullet$ 3024 ' Tubing: 1 1/2 " Set $\bullet$ 2990

Pay Zone: 2980 ' To: 2984 ' Total Depth: 3087

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

Stimulation Method: _____ Flow Through: Casing X Tubing _____

Shut-in Pressure Casing: 947 psig / 12 = 959 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 947 psig / 12 = 959 psia

Flowing Pressure: P : 257 psig / 12 = 269 psia

Working Pressure: P_w : 278 psig / 12 = 290 psia

Temperature: T : 40 °F / 460 = 50 °Absolute

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

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

$$12.365 \times 269 \times 1.0198 \times .9463 \times 1.033 = \underline{3316} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

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

$$\left[\frac{919.681}{835.581} \right]^n$$

$$= 1.1001 = 1.0004$$

Aof =

$$\underline{3344} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____

GEOLECTRIC, INC.

