

OPEN FLOW TEST DATA

Date: 11-7-63

Operator: Shan Allen Lease: Jicarilla W-2

Location: SE/4 4-23-2N County: SA State: N.M.

Formation: Pictured Cliff Pool: Undesignated

Casing: 4 1/2 " Set @ ' Tubing: 3 1/2 " Set @ 3006

Pay Zone: ' To: ' Total Depth:

Choke Size: 3/4 553 " Choke Constant = C =

Stimulation Method: Flow Through: Casing X Tubing

Shut-in Pressure Casing: 974 psig / 12 = 986 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 974 psig / 12 = 986 psia

Flowing Pressure: P : 268 psig / 12 = 280 psia

Working Pressure: P_w : psig / 12 = psia

Temperature: T : 42 °F / 460 = 502 °Absolute

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

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

$$986 \times 280 \times 1.0172 \times .9837 \times 1.028$$

$$Q = \underline{\hspace{2cm}} = \underline{2841} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \left[\frac{972,106}{893,796} \right]^n = 1.0877 = 1.0741$$

Aof = 3051 MCF/D

Tested By:

Witnessed By:

GeoElectric, Inc.

B. H. King