

OPEN FLOW TEST DATA

Date: July 30, 1969

Operator: Benjamin Elenbogen Lease: Jicarilla 55 #3

Location: Sec. 35 23N 3W County: Sandoval State: N.M.

Formation: Pioture Cliff Pool: Ballard

Casing: 4 1/2 " Set @ 2933 ' Tubing: 1 1/2 " Set @ 2763

Pay Zone: 2756 ' To: 2779 ' Total Depth: 2877

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

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 521 psig / 12 = 533 psia (Shut-in _____ days)

Shut-in Pressure Tubing: 521 psig / 12 = 533 psia

Flowing Pressure: P : 167 psig / 12 = 181 psia

Working Pressure: P_w : 467 psig / 12 = 479 psia

Temperature: T : 54 °F / 460 = 512 °Absolute

F_{pv} (from tables) : 1.021 Gravity 670 n 85

$$\text{Choke Volume} = Q = C \times P_c^2 \times F_t \times F_g \times F_{pv}$$

$$12.355 \times 181 \times 1.0058 \times .7463 \times 1.021 = 2175 \text{ MCF/D}$$

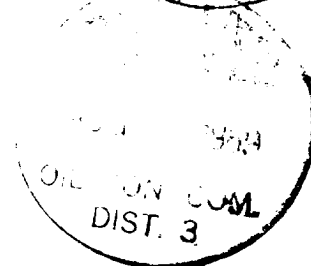
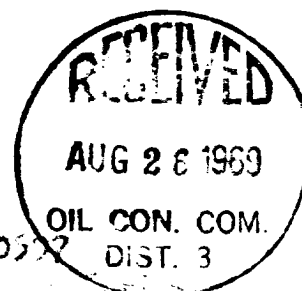
Open Flow - Aof =

$$Aof = \left[\frac{P_c^2 - P_w^2}{284,089} \right]^{1/n} = 5.1785 = 3.0522$$

Aof = 6655 MCF/D

Tested By: _____

Witnessed By: _____



Gelectric, Inc.