

OPEN FLOW TEST DATA

Date: 10-21-62
 Operator: SHAR-ALAN Lease: EMMA McDANIEL #1
 Location: SE/4 Sec. 22-24N-1W County: RIO ARRIDO State: N. M.
 Formation: PICTURE CLIFF Pool: SOUTH BLANCO
 Casing: 4 1/2 " Set @ 2990 ' Tubing: 1 1/2 " Set @ 2914
 Pay Zone: 2896 ' To: 2913 ' Total Depth: 2990
 Choke Size: 3/4 THG " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 851 psig / 12 = 863 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 851 psig / 12 = 863 psia

Flowing Pressure: P : 98 psig / 12 = 110 psia

Working Pressure: P_w : 244 psig / 12 = 256 psia

Temperature: T : 41 °F / 460 = 501 °Absolute

F_{pv} (from tables) : 1.011 Gravity .620 Est n .85

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}

Q = _____ = 1378 MCF/D

12.365 x 110 x 1.0188 x .9837 x 1.011

Open Flow - Aof = Q

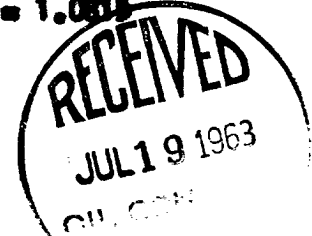
Aof =

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

= 1.0965 = 1.0815

Aof =

1490 MCF/D



Tested By: D. W. STARR

Witnessed By: _____

GELECTRIC INC.

B. H. Hayes