

OPEN FLOW TEST DATA

Date: 4-11-63

Operator: E L FUNDINGSLAND

Lease: Sanico # 6

Location: NE/4 20-24N-1W

County: San Antonio State: N.M.

Formation: Permian G. ss

Pool:

Casing: 4 1/2 " Set @ 3497

Tubing: " Set @

Pay Zone: To:

Total Depth:

Choke Size: 3/4 in

Choke Constant = C = 14.1665

Stimulation Method:

Flow Through: Casing X Tubing

Shut-in Pressure Casing: 726 psig / 12 = 738 psia (Shut-in 8 days)

Shut-in Pressure Tubing: psig / 12 = psia

Flowing Pressure: P : 172 psig / 12 = 184 psia

Working Pressure: P_w : psig / 12 = psia

Temperature: T : 49 °F / 460 = 500 °Absolute

F_{pv} (from tables) : 1.020 Gravity Est. 620 n 0.5

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

14.1665 x 184 x 1.0198 x .9837 x 1.020

= 2667 MCF/D

Open Flow - Aof = Q

Aof =

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

544,644
510,709

= 1.0062 = 1.0059

Aof =

2816 MCF/D

Tested By: D. W. Smith

Witnessed By:

GELECTRIC INC.