

OPEN FLOW TEST DATA

Date: November 26, 1957
 Operator: Tennessee Gas Co. Lease: Blanco State Unit I #1-0
 Location: 2 30n 11 W County: San Juan State: N. M.
 Formation: Mesa Verde Pool: Blanco Mesa Verde
 Casing: 5 1/2" Set @ 4350 Tubing: 2" Set @ 4679
 Pay Zone: 4706 To: 4795 Total Depth: 4875
 Choke Size: 3/4 Choke Constant = C = 14.1605
 Stimulation Method: SWT Flow Through: Casing _____ Tubing 1
 Shut-in Pressure Casing: 947 psig / 12 = 959 psia (Shut-in 7 days)
 Shut-in Pressure Tubing: 948 psig / 12 = 960 psia
 Flowing Pressure: P : 269 psig / 12 = 281 psia
 Working Pressure: P_w : 633 psig / 12 = 667 psia
 Temperature: T : 63 °F / 460 = 523 °Absolute
 F_{pv} (from tables) : 1.029 Gravity .670 Ret. n .75

$$14.1605 \times 28281 \times .9971 \times .9463 \times 1.029$$

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

$$Q = \underline{\hspace{2cm}} = \underline{3863} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{921,600}{921,600 - 444,829}^{.75} = (1.9332)^{.75} = 1.6394$$

$$Aof = \underline{6333} \text{ MCF/D}$$

Tested By: Geoelectric, Inc.

Witnessed By: _____



B H Hayes