

OPEN FLOW TEST DATA

Date: NOVEMBER 9, 1960

Operator: R & G DRILLING Co. Lease: HAMMOND 47 K

Location: Sec. 35 Twp. 27N Rge. 28W County: SAN JUAN State: NEW MEXICO

Formation: DANOTA Pool: BLANCO MESA VERDE

Casing: 4 1/2 " Set @ 6830 ' Tubing: 2 " Set @ 6775

Pay Zone: 6662 ' To: 6814 ' Total Depth: 6838

Choke Size: 3/4 IN " Choke Constant = C = 14.1605

Stimulation Method: S & F Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: _____ psig / 12 = _____ psia (Shut-in 0 days)

Shut-in Pressure Tubing: 2204 psig / 12 = 2216 psia

Flowing Pressure: P : 115 psig / 12 = 127 psia

Working Pressure: P_w : _____ psig / 12 = 300 psia CALCULATED

Temperature: T : 98 °F / 460 = 518 °Absolute

F_{pv} (from tables) : 1.013 Gravity .670 Est. n 75

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

$$14.1605 \times 127 \times 1.0019 \times .9463 \times 1.013$$

$$Q = \underline{\underline{1727}} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{P_c^2} \right]^{1/n} = 1.0139$$

$$Aof = \underline{\underline{1751}} \text{ MCF/D}$$

Tested By: D. W. STILES

Witnessed By: _____



B. H. Hayes