

OPEN FLOW TEST DATA

Date: DECEMBER 7, 1960

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

Location: SEC. 35 Twp 27N Rge 8W County: SAN JUAN State: NEW MEXICO

Formation: MESA VERDE Pool: MESA VERDE

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

Pay Zone: 4527 ' To: 4626 ' Total Depth: 4626

Choke Size: 3/4 B M " Choke Constant = C = 14,1605

Stimulation Method: S W F Flow Through: Casing X Tubing

Shut-in Pressure Casing: 1135 psig / 12 = 1147 psia (Shut-in 8 days)

Shut-in Pressure Tubing: _____ psig / 12 = _____ psia

Flowing Pressure: P : 52 psig / 12 = 64 psia

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

Temperature: T : 68 °F / 460 = 528 °Absolute

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

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

$$14,1605 \times 64 \times .9924 \times .9463 \times 1.010 = \underline{860} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \frac{\left(\frac{P_c^2 - P_w^2}{1,315,609} \right)^n}{1,315,609 - 6359} = 1.0049 = 1.0036 \times 860$$

Aof = 863 MCF/D

Tested By: D. W. STILES

Witnessed By: _____

GEOLECTRIC, Inc.

B. J. Hayes

