

OPEN FLOW TEST DATA

Date: FEBRUARY 4, 1960

Operator: R & G DRILLING Co. Lease: GRAHAM 45

Location: NE/NW 10 - 27 - 8 County: SAN JUAN State: N.M.

Formation: MESA VERDE Pool: BLANCO M V

Casing: 5 1/2 " Set @ 4196 Tubing: 2 " Set @ 4430

Pay Zone: 4355 To: 4440 Total Depth: 4446

Choke Size: 3/4 B M " Choke Constant = 3 = 14.1605

Stimulation Method: SWF Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 969 psig / 12 = 981 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 969 psig / 12 = 981 psia

Flowing Pressure: P : 139 psig / 12 = 151 psia

Working Pressure: P_w : 349 psig / 12 = 361 psia

Temperature: T : 59 °F / 460 = 519 °Absolute

F_{pv} (from tables) : 1.016 Gravity .670 Est. n 75

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

$$14.1605 \times 151 \times 1.001 \times .3463 \times 1.016 = 2058 \text{ MCF/D}$$

Open Flow - Aof =

$$Aof = \frac{P_c^2 - P_w^2}{2295} = 1.1153$$

Aof = 2295 MCF/D

Tested By: D. W. STILES

Witnessed By: _____

GEOLECTRIC, INC.

AGENT