

OPEN FLOW TEST DATA

Date: AUGUST 15, 1957

Operator: CLARK & COWDEN

Lease: FEDERAL 11-1

Location: B 11 - 25N - 3W

County: RIO ARriba State: N.M.

Formation: PICTURED CLIFF

Pool: TAPAGITO

Casing: 5 1/2 " Set @ 3845 ' Tubing: 2 " Set @ '

Pay Zone: 3798 ' To: 3824 ' Total Depth: 3855 '

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

Stimulation Method: SME Flow Through: Casing x Tubing

Shut-In Pressure Casing: 850 psig / 12 = 862 psia (Shut-in 7 days)

Shut-In Pressure Tubing: 849 psig / 12 = 861 psia

Flowing Pressure: P : 192 psig / 12 = 204 psia

Working Pressure: P_w : 222 psig / 12 = 234 psia

Temperature: T : 60 °F / 460 = 520 ° Absolute

F_{pv} (from tables) : 1.088 Gravity .630 Est n .85

$$\text{Choke Volume} = Q = \frac{14.1605 \times 234 \times 1.000 \times .9759 \times 1.088}{C \times P_t \times F_t \times F_g \times F_{pv}}$$

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

$$\text{Open Flow} = Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$Aof = \left[\frac{743,044}{688,288} \right]^{.85} = 1.0673$$

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

Tested By: GELECTRIC, INC.

Witnessed By: B. H. KEYES

BRADLEY N. KEYES



B. H. Keyes

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Transporter		
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