

OPEN FLOW TEST DATA

Date: November 6, 1978

Operator: C & E Operators, Inc.

Lease: Martinez Com Carr

Location: 32-32N-10W

County: San Juan State: N.M.

Formation: Picture Cliff

Pool: Blanco PC

Casing: 4 1/2 " Set @ 2951

Tubing: 2-3/8 " Set @ 2801

Pay Zone: 2796 ' To: 2858 ' Total Depth: 2907

Choke Size: 3/4 THG " Choke Constant = C = 12.365

Stimulation Method: SWF Flow Through: Casing Tubing

Shut-in Pressure Casing: 680 psig / 12 = 692 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 680 psig / 12 = 692 psia

Flowing Pressure: P : 15 psig / 12 = 27 psia

Working Pressure: P_w : 100 psig / 12 = 112 psia

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

F_{pv} (from tables) : 1.007 Gravity Est. .670 n 85

$$\text{Choke Volume} = Q = C \times P_c^2 \times F_t \times F_g \times F_{pv}$$

$$12.365 \times 112 \times 1.0000 \times .9463 \times 1.007$$

$$Q = \underline{\hspace{2cm}} = \underline{1318} \text{ MCF/D}$$

$$\text{Open Flow} - A_{of} = Q$$

$$A_{of} = \left[\frac{P_c^2 - P_w^2}{478,864} \right]^n = 1.0269 = 1.0328$$

$$A_{of} = \underline{1361} \text{ MCF/D}$$

Tested By: L.R. Cunningham

Witnessed By: