

3-NMOCC✓ 1-Carr 1-Mesa (Amarillo) 1-Mesa (Denver) 1-Crown Central 1-Wayne Moore /
 1-Paul Umbach /
 1-File

OPEN FLOW TEST DATA

Date: January 6, 1976

Operator: W. P. Carr Lease: Larcher #1-A

Location: Sec. 7, Twnshp-31N, Rage 10W County: San Juan State: N.M.

Formation: Mesa Verde Pool: Blanco MV

Casing: 5½ " Set @ 5135 ' Tubing: 2 3/8 " Set @ 5733

Pay Zone: 4385 ' To: 5200 ' Total Depth: 5200

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

Stimulation Method: SWF Flow Through: Casing Tubing X

Shut-in Pressure Casing: 778 psig / 12 = 790 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 776 psig / 12 = 788 psia

Flowing Pressure: P : 278 psig / 12 = 290 psia

Working Pressure: P_w : 682 psig / 12 = 694 psia

Temperature: T : 71 °F / 460 = 531 °Absolute

F_{pv} (from tables) : 1.030 Gravity Est. 670 n 85- .75

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

$$12.365 \times 290 \times .9896 \times .9463 \times 1.030$$

$$Q = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} 3459 \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{142,464} \right]^n = 4.3808 = \frac{3,0280}{2.0280}$$

$$Aof = \frac{10,474}{7014} \text{ MCF/D}$$

Tested By: GeoElectric, Inc.

Witnessed By: El Paso Natural Gas Co.
Don Norton



John Cunningham