

OPEN FLOW TEST DATA

Date: January 23, 1979

Operator: C & E Operators, Inc.

Lease: State Comm #1A

Location: Section 16, Township- 30N, Range-7W

County: Rio Arriba State: N.M.

Formation: Mesa Verde

Pool: Blanco MV

Casing: 4 1/2 " Set @ 5758

Tubing: 2-3/8 " Set @ 5439

Pay Zone: 5394 ' To: 5694

Total Depth: 2677

Choke Size: 3/4 TWC

" Choke Constant = C = 12.30

Stimulation Method: SWF

Flow Through: Casing Tubing X

Shut-in Pressure Casing: 510 psig / 12 = 522 psia (Shut-in days)

Shut-in Pressure Tubing: 470 psig / 12 = 482 psia

Flowing Pressure: P : 70 psig / 12 = 82 psia

Working Pressure: P_w : 210 psig / 12 = 222 psia

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

F_{pv} (from tables) : 1.001 Gravity Est. .670 n 75

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

$$Q = \text{_____} = \text{_____} \text{ MCF/D}$$

$$\text{Open Flow} - Aof = Q$$

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{272,484}{223,200} = 1.2208 \div 1.1614$$

$$Aof = \text{_____} = \text{_____} \text{ MCF/D}$$

Tested By: _____

Witnessed By: _____


