

OPEN FLOW TEST DATA

Date: 6/2/75
 Operator: William C. Russell Lease: Marron #46A
 Location: 23-27N-8W County: San Juan State: N.M.
 Formation: Mesa Verde Pool: Blanco MV
 Casing: 4 1/2 " Set @ 4595 ' Tubing: 1 1/2 " Set @ 4423
 Pay Zone: 4390 ' To: 4505 ' Total Depth: 4595
 Choke Size: 3/4 THG " Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X
 Shut-in Pressure Casing: 1020 psig / 12 = 1032 psia (Shut-in 8 days)
 Shut-in Pressure Tubing: 1020 psig / 12 = 1032 psia
 Flowing Pressure: P : 118 psig / 12 = 130 psia
 Working Pressure: P_w : 501 psig / 12 = 513 psia
 Temperature: T : 47 °F / 460 = 507 °Absolute
 F_{pv} (from tables) : 1.013 Gravity 620 Est. n 75

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

$$130 \times 12.365 \times 1.0127 \times .9837 \times 1.013$$

$$Q = \underline{1621} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{801,855} \right]^n = 1.3284 = 1.2374$$

$$Aof = \underline{2,006} \text{ MCF/D}$$

Tested By: R. C. Dintelman

Witnessed By: _____

Calculated By
B. J. Reyes
GeoElectric, Inc.