

OPEN FLOW TEST DATA

Date: 2-12-79

Operator: William C. Russell

Lease: Marron #94

Location: 23-27N-8E

County: San Juan State: NM

Formation: Chacra

Pool: Largo

Casing: 4 1/2 " Set @ 3289

Tubing: 1 1/2 " Set @ 3111

Pay Zone: 3114 To: 3120

Total Depth: 3300

Choke Size: 3/4 T & C

Choke Constant = C = 12.365

Stimulation Method: SWF

Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 943 psig / 12 = 955 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 943 psig / 12 = 955 psia

Flowing Pressure: P : 86 psig / 12 = 98 psia

Working Pressure: P_w : 301 psig / 12 = 313 psia

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

F_{pv} (from tables) : 1.011 Gravity est. 670 n 75

Choke Volume = $Q = \frac{C \times P_c^2 \times F}{12.365 \times 98 \times 1.0000 \times 8.9463 \times 1.011}$

Q = _____ = 1159 MCF/D

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{912,025} \right]^n = 1.1203 - 1.0889$$

Aof = _____ 1262 MCF/D

Tested By: R. Dintelman

Witnessed By: W. Russell

W.C. Russell