

OPEN FLOW TEST DATA

Date: February 8, 1957
 Operator: Candela Production Company
 Lease: Candela #1A
 Location: W/A Sec 20-24N-7W
 County: Rio Arriba State: NM
 Formation: Pictured Cliffs
 Pool: San Blanco P.C.
 Casing: _____ " Set @ _____ ' Tubing: 1-1/2 " Set @ 2003 '
 Pay Zone: _____ ' To: _____ ' Total Depth: _____ '
 Choke Size: .750 " Choke Constant = C = 14.1605
 Stimulation Method: _____ Flow Through: Casing X Tubing _____
 Shut-In Pressure Casing: 853 psig / 12 = 865 psia (Shut-in _____ days)
 Shut-In Pressure Tubing: 876 psig / 12 = 866 psia
 Flowing Pressure: P : 396 psig / 12 = 398 psia
 Working Pressure: P_w : 403 psig / 12 = 415 psia
 Temperature: T : 65 °F / 460 = 525 ° Absolute
 F_{pv} (from tables) : 1.039 Gravity .65 (est) n .85

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}
 = 14.1605 x 398 x .9952 x .9608 x 1.039 5999 MCF/D

Open Flow = Aof = C $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
 Aof = $\left[\frac{853^2}{853^2 - 403^2} \right]^n = \frac{(748,285)^{.85}}{(376,300)^{.85}} = (1.9970)^{.85} = 1.4207$
 Aof = 6992 MCF/D

Tested By: Geometrics, Inc., Agent
 Witnessed By: _____



W. J. McConathy

