ABSTRACT. Let $\{C_0, C_1, ..., C_m\}$ be a collection of closed convex subsets with nonempty intersection C in a Hilbert space X. A geometric characterization is given of those collections for which the Karush-Kuhn-Tucker (or Lagrange multiplier) conditions are valid for characterizing optimal minimal solutions for any convex continuous function $f : C \to R$ over C. They are precisely those sets $\{C_0, C_1, ..., C_m\}$ which have the "strong conical hull intersection property" that was introduced in [5].