CONTROL SCREEN ASSEMBLY

Abstract

Screen assemblies capable of being disposed in a bore for hydrocarbon fluid production are described. The screen assemblies can support filter mediums and reduce or eliminate plugging by swellable material. One screen assembly includes filter mediums supported by a rigid member located exterior to a portion of a base pipe. The rigid member can include openings through which the filter mediums can be in fluid communication with an inner diameter of the base pipe. Swellable material can be disposed exterior to a second portion of the base pipe adjacent to the rigid member. The filter mediums can be displaced to contact a wellbore and the rigid members can help reduce or prevent plugging of screen assembly openings.

Figure 1A