SAND CONTROL SCREEN ASSEMBLY AND METHOD FOR USE OF SAME

ABSTRACT OF THE DISCLOSURE

A sand control screen assembly (70) is operably positionable within a wellbore (84). The sand control screen assembly (70) includes a base pipe (72) having at least one opening and an internal flow path (74). A swellable material layer (76) is disposed exteriorly of the base pipe (72). A fluid collection subassembly (78) is disposed exteriorly of the swellable material layer (76). A drainage layer (82) is disposed exteriorly of the fluid collection subassembly (78) and the swellable material layer (76). In response to contact with an activating fluid, radial expansion of the swellable material layer (76) causes at least a portion of the fluid collection subassembly (78) and the drainage layer (82) to be displaced toward a surface of the wellbore (84).

Figure 3