ABSTRACT

SELECTIVE POSITION TOP-DOWN CEMENTING TOOL

A cementing system and method for selectively providing bottom-up cementing and top-down cementing of a liner during a single downhole trip are provided. The cementing system has three configurations. A first configuration of the tool allows fluid flow through a central flowbore of the cementing tool, a liner hanger setting tool below the cementing tool, and the liner. A second configuration of the tool routes fluid from the central flowbore of the cementing tool to an annulus surrounding the liner hanger setting tool and the liner. A third configuration of the tool reestablishes flow through the central flowbore of the cementing tool and enables a dropped ball to reach the liner hanger setting tool.

FIG. 1