

ABSTRACT

WELLBORE APPARATUS AND METHODS FOR ZONAL ISOLATION AND FLOW CONTROL

Method for completing a wellbore in a subsurface formation includes providing a sand control device representing one or more joints of sand screens, and a packer assembly along the joints with at least one mechanically-set packer with at least one alternate flow channel therein. Running the packer assembly and connected sand screen into the wellbore, setting a mechanically-set packer into engagement with the surrounding wellbore, injecting gravel slurry into the wellbore to form a gravel pack. An elongated isolation string is run into the sand control device across the packer assembly with valves that serve as an inflow control device. Thereafter, seals are activated around the isolation string and adjacent the packer assembly. A zonal isolation apparatus allows flow control to be provided above and below packer assembly.

(Figure 1)