

LEAK-OFF ASSEMBLY FOR GRAVEL PACK SYSTEM

ABSTRACT

A gravel pack assembly for a borehole has first and second joints and a foil. The basepipes of the joints connect end-to-end, and both of the basepipes having filters for filtering fluid passage from a borehole into bores of the basepipes. Transport tubes are disposed along the first and second joint, and a jumper tube expands across the connected ends of the basepipes and connects the transport tubes together. The foil encloses an area across the connected ends. The foil has an external surface defining an annulus thereabout with the borehole. The foil has end rings abutting the filters of the joints. At least a section of the foil leaks fluid from the borehole to the area enclosed by the foil, and at least a filter portion of the assembly filters the leaked fluid from the area to at least one of the first and second bores.

Figure: 3A