

Packers Plus® Product Overview



RepeaterPORT Sleeve

Overview

The RepeaterPORT® sleeve is a ball-actuated, hydraulically activated flow port. The RepeaterPORT sleeve allows for more than one stage to be activated with the same size actuation ball. It is run in conjunction with a FracPORT™ sleeve with the same ball seat size. Each sleeve is run between two RockSEAL® II packers to allow specific zones of the wellbore to be isolated and selectively fractured. In this way, the RepeaterPORT sleeve effectively increases the number of stages available in the StackFRAC® HD™ system. There are a variety of ball seat sizes, allowing numerous stages to be run in sequence.

Applications

- Open and cased hole
- Horizontal and vertical wells
- Selective fracturing
- Selective producing
- Sour service
- Increases the number of stages available per system

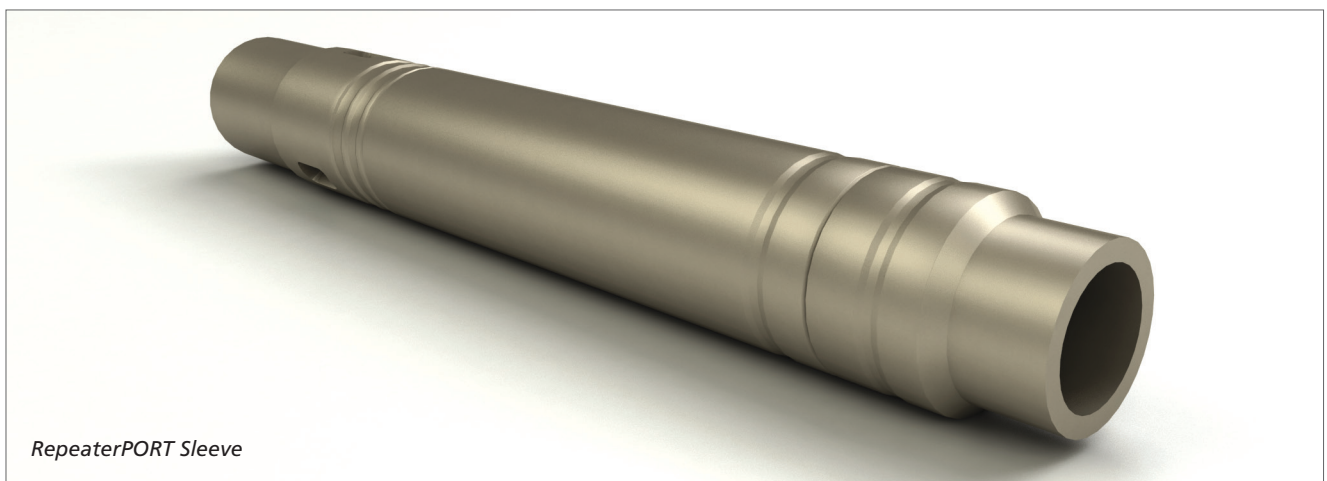
Features and Benefits

- Ball-actuated, hydraulically activated
- Can be run in series in conjunction with a FracPORT sleeve to fracture several independent zones
- Lower zones are isolated due to increasing ball sizes
- Allows the same size ball to activate multiple stages
- Adjustable activation shear
- Sleeve is locked in place upon opening
- Provides a flow area greater than the liner
- Flow protector prevents actuation balls from flowing back
- Ball seat can be quickly milled out
- Field-proven resistance to abrasion and erosion
- Corrosion resistant design

Operation

The RepeaterPORT sleeve is assembled in the completion string, according to the well requirements, and run into the wellbore to the planned depth. The appropriate ball size is inserted into the string and pumped down onto the seat. The tool string is pressured up and the RepeaterPORT sleeve is activated as the ball passes through. The ball then continues down the liner and lands in the seat of a standard FracPORT sleeve. The tool string is pressured up further to open the FracPORT sleeve allowing stimulation fluid to flow into the annulus.

A second actuation ball of the same size is inserted into the string and pumped down onto the RepeaterPORT sleeve seat. The tool string is pressure up to open the RepeaterPORT sleeve allowing stimulation fluid to flow into the annulus. After stimulation of the well is completed, the balls and ball seats can be milled out if desired.



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