



Model 4P Retrievable Seal-Bore Packer Gravel-Pack System

Weatherford's retrievable seal-bore packer gravel-pack system allows for single-trip deployment of the gravel pack system in which the packer assembly remains in place as the production installation after the pumping operation. The retrievable seal-bore packer and its crossover tool are designed to operate in three different positions. The *squeeze* position allows fluids to be injected into the reservoir without exposing the casing to injection pressures and fluids. The *circulating* position directs pumped fluid down the screen or casing annulus, ensuring complete coverage of the perforated interval. The *reverse* position redirects the fluid path, circulating excess sand slurry to the surface after gravel packing is complete.

Applications

This field-tested gravel-pack system is suited for the following completion applications:

- Vertical or highly deviated wells
- Shallow or deep wells
- Single or multiple gravel packs
- Squeeze, circulating, and high-rate gravel packs
- Short or long perforation intervals

Features, Advantages and Benefits

- This high-performance gravel-pack packer also serves as a production packer, allowing for greater flexibility in higher-end completions and rig operations.
- Designed to withstand high pressures and temperatures, the system offers superior performance under most downhole well conditions.
- The standard, anti-preset mechanism saves time by preventing the packer from setting while negotiating tight areas.
- The packer requires only vertical movement of the pipe to change tool position, eliminating the need for complex tool manipulation.
- This time-proven system provides surface indication of tool position, ensuring proper execution even in highly deviated wells.
- The large flow area for slurry displacement decreases friction and exit velocity, minimizing the risk of damage caused by erosion.
- The system enables the operator to design completions around multiple zones, allowing for selective and multiple string operations that result in faster paybacks and longer well life.



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Operating Sequence

