



RKC Cementing Pack-Off System

Weatherford's RKC cementing pack-off system provides a liner-top seal between the running string OD and the liner ID. It allows pressure to build against a ball seat farther down the hole so that items such as hydraulically activated liner hangers can be set, while ensuring that all mud and cement are circulated through the bottom of the liner. The RKC cementing pack-off system also incorporates a profile to connect the liner wiper plug (LWP) to the bottom of the running string.

The RKC contains internal and external seals. It is designed to fit into a profile located in the liner-top packer or liner setting sleeve, which provides the seal bore for the external seals and the lock profile for the dogs. The inner seals of the RKC form a seal against the outside of the slick joint. The RKC is released by shifting the inner sleeve with a pickup sub located at the bottom of the slick joint.

Applications

- Cemented liners

Features, Advantages and Benefits

- Premium molyglass seals can withstand high differential pressures and are almost chemically inert, making the RKC an ideal sealing system in most well conditions.
- The RKC reduces rig time by eliminating the need to drill out a non-retrievable packoff.
- The design of the RKC reduces the hydraulic lifting forces affecting the running-tool string during cementing operations, reducing the risk of pumping the tool string up the hole.
- RKC dogs do not contact the slick joint. This design prevents damage to the slick joint and ensures optimal performance of the RKC after the running tool has been released.
- RKC dogs make 360° contact with the profile on the liner-top packer or the liner setting sleeve, allowing the RKC to withstand extreme hydraulic loads.

Specifications

Contact an authorized Weatherford representative.

