



PrimeSET Liner Hanger

OVERVIEW

The Packers Plus PrimeSET™ Liner Hanger uses premium sealing technology to packoff the annulus and secure the liner in intermediate casing for both cemented and open hole applications. Along with conventional hanger slips, the liner hanger uses a liner seal and hold-down slips that can withstand differential pressures up to 15,000 psi. The specially designed bonded liner seal can withstand high pump rates and needs minimal set down weight to packoff. The PrimeSET Liner Hanger also comes with a Tie Back Receptacle (TBR) that transfers weight to packoff the liner seal and allows for future tiebacks. It is deployed using uniquely designed running tools. Innovative anti-preset features ensure reliability and performance. The PrimeSET Liner Hanger is available with a complete line of tubing seal accessories and elastomers.

OPERATION

The PrimeSET Liner Hanger is assembled in the completion liner and run into the wellbore. Once in place, a ball is pumped from surface to land on a balanced release sleeve, unlocking the running tools. The ball travels farther down to set the primary hanger slips. Slacking off confirms liner weight loss and right-hand rotation releases the running tools. If no weight loss is confirmed, a left-hand turn activates the secondary release mechanism. After releasing the running tools, cementing operations can commence. Once the cement has been placed, the running tool string is picked up until the setting dogs are engaged above the TBR. The work string is then slacked off and weight is applied, enabling packoff to provide a seal in the intermediate casing.

APPLICATIONS

- Cemented and open hole
- Anchors and seals liner in intermediate casing
- Horizontal, vertical, extended reach and highly deviated wells
- HPHT, sour service and heavy oil

CAPABILITIES

- Entire hanger system is API V0 qualified
- Balanced piston prevents premature release while running in hole
- Improved reliability with one piece mandrel
- Setting ball retained in running tool during setting operations reduces time and fluid usage
- Torque lock enables liner rotation
 - Ability to rotate, push and pull in highly deviated wells
- Large bypass flow-by area prevents running tools from unlocking prematurely
- Bonded element design allows for higher circulation rates and liner run in hole speeds without damaging the element
- Hold-down slips included for additional liner stability
- Cement head provided