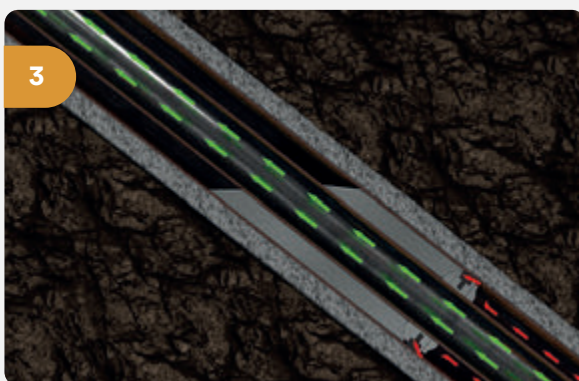
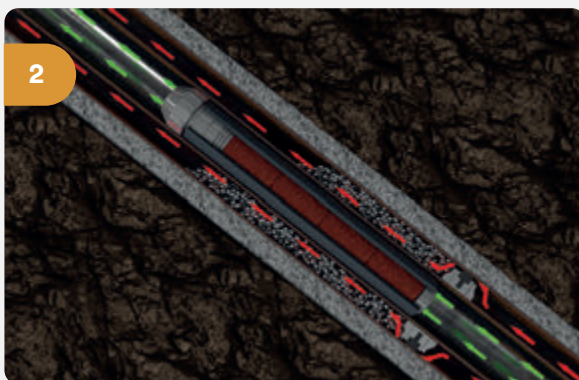
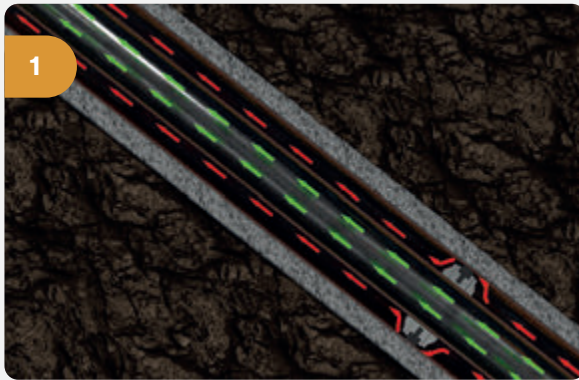


Repair a Leaking Production Packer



APPLICATION

The Wel-lok™ PRT (Packer Repair Tool) is designed to repair a leaking production packer by creating a new seal in the production tubing by casing annulus. Sealing a production annulus with a PRT™ eliminates the need to remove a production string from a well to replace the packer, reducing operator costs and downtime while introducing a superior seal in the well.

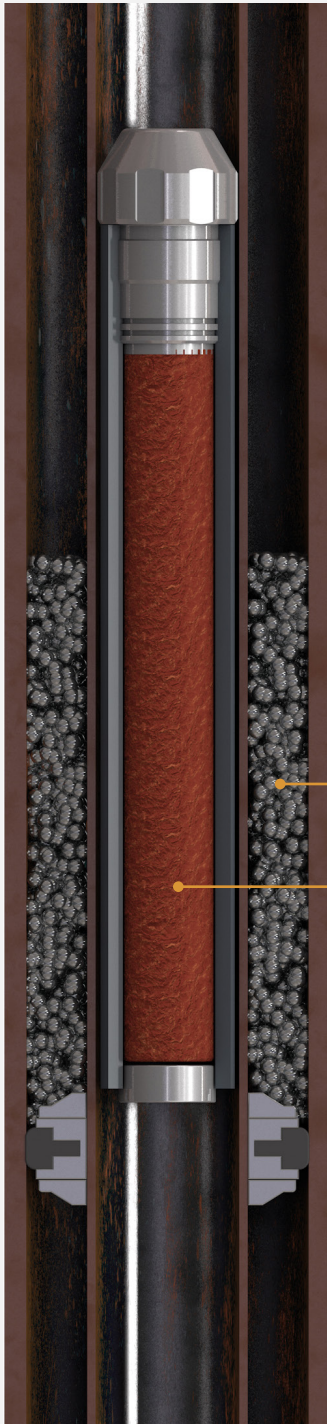
WEL-LOK™ - AN OVERVIEW OF THE TECHNOLOGY

The Wel-lok™ technology consists of utilising a modified thermite chemical reaction heater to melt bismuth-based alloys downhole. The melted alloys have a viscosity similar to water, and a specific gravity 10 times that of water, allowing them to flow into the smallest areas of a wellbore without the need of any surface pumping equipment. As the alloys cool and solidify, they expand to provide a seamless gas tight seal that is non-corrosive and not affected by H_2S or CO_2 .

The Wel-lok™ technology consists of utilising a modified thermite chemical reaction heater to melt bismuth-based alloys downhole.



Features



WEL-LOK™ PRT FEATURES

- No mechanical parts
- Electronically activated
- One trip operation
- Differential pressure ratings up to 4,000 psi
- Available in a range of sizes to suit API & non API tubing and casings
- Rated as a VØ gas tight seal

KEY BENEFITS OF USING WEL-LOK™ PRT FOR REPAIRING PRODUCTION PACKERS

- Reduced intervention costs
- Long lasting reliable sealing solution despite restricted access
- Extends the production life of the well
- Non-corrosive and not affected by H₂S or CO₂
- Reduced environmental impact
- Temperature ranges up to 150°C

BEADS

HEATER

As world leaders in the use of bismuth based alloys and thermite in the downhole environment BiSN has a portfolio of products aimed at tackling some of the most difficult issues faced by the oil and gas industry. We pride ourselves in building a responsive long term working relationship with our customers and working closely with them to provide innovative solutions. This innovative development in well sealing technology is breaking the mould of traditional sealing solutions and attracting attention from the major players in the oil and gas field. See our website for further information about us and our investors.