wel-lok™ LTR

For further information:
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Liner Top Repair (LTR)

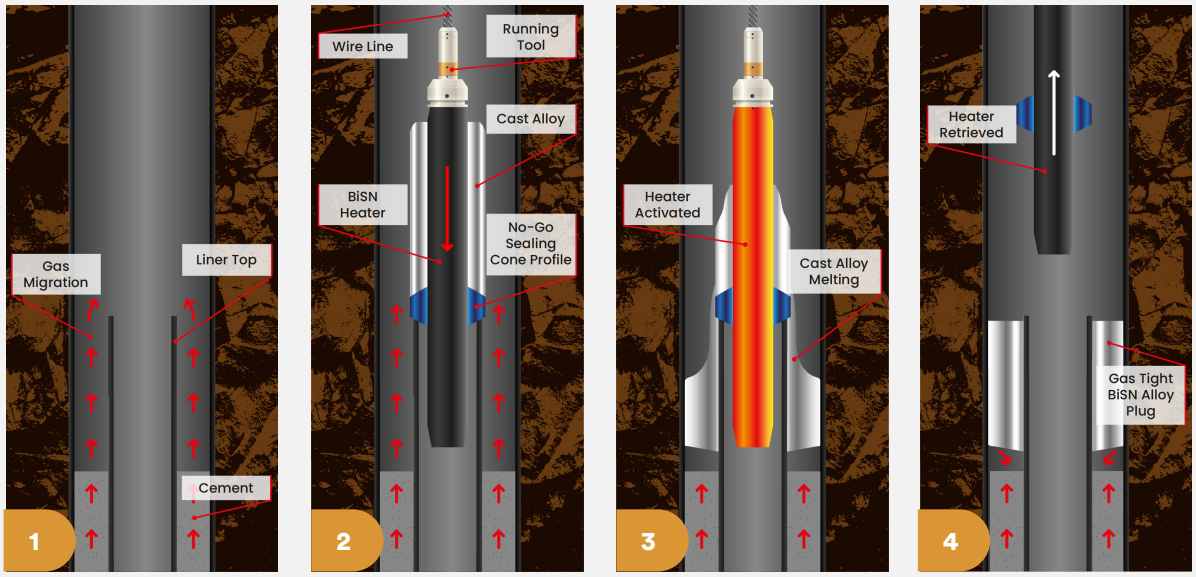
APPLICATION

The LTR tool is a faster, simpler, and longer lasting alternative to the current solution of squeezing cement, which can be time consuming and often fails to provide a gas-tight seal. The tool can be run on wireline, coiled tubing and drill pipe.

Once heated, the alloy flows under gravity like water, creating a gas-tight seal.

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 $C0^2$.



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Features

WEL-LOK™ LTR FEATURES

- No mechanical parts
- Electronically activated
- One trip operation
- Differential pressure ratings up to 13,000 psi
- Temperature ranges up to 160 °C

KEY BENEFITS OF USING WEL-LOK™ LTR

- Can be deployed from wireline, coiled tubing and drill pipe
- Simpler, more time efficient solution than squeezing cement
- Creates a gas tight barrier without the need to pump from surface
- Non-corrosive and not affected by H_2S or CO_2
- Can seal in cased or open hole
- Reduced operator costs
- Reduced corporate liability

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.