

Case Study: Modified HEX solution in Australia

Challenge

An operator in Western Australia required 7-5/8" high expansion plugs, to be deployed via slickline. No other company could provide a product to meet the operator's requirement.

Solution

Interwell's HEX is a versatile mechanical plug designed to pass through extremely narrow wellbore restrictions such as valves, nipples and straddles to be set in larger ID casing, so it was perfectly suited to operator's job. However, Interwell did not have the specific size required so a new tool was designed, built, tested, and achieved stringent Vo testing in accordance with ISO 14310:2008, all within an extremely short time frame.

The 430-763 HEX was run through a restriction of 5.75" and set at 2,180m. The plug was successfully tested to confirm the gas-tight barrier and running tools were retrieved.

Value Created

Extreme care was taken to pass through challenging tight spots in the wellbore without any snags and it was acknowledged that the slim OD design of the tool assisted the operations team.

When no other company could provide the solution to the well challenge, Interwell could adapt the existing design to meet the size specifications, and achieve Vo testing all within a tight timeframe.

In addition to the fast and efficient service, the operator also reduced operational risk by using a HEX over an inflatable plug.

Thanks to the success of this installation, Interwell has received repeat orders from the operator.

Date:

June 2015

Region/Field:

Western Australia

Key Capabilities:

- Highest expansion retrievable bridge plug on the market
- Short tool length
- Ideal for water shut-off
- Slim design (small OD)

