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First ISO 14310 V0 NACE Approved HPHT Straddle (APS) tested to 530 Bar differentials

In October-2017 Interwell was challenged to develop a straddle system that could handle pressure as high as 530bar (7700 psi) and operate comfortably in a well with up to 26% H₂S and 5% CO₂.

A bespoke 425-550 APS Straddle was designed to be set inside 5 ½" tubing. The system, still based on the proven Interwell HPHT technology has had its operating envelope increased to the required pressure, enabling it to work within temperatures from 40°C to 110°C.

The straddle which was made from Inconel material to meet NACE approved guidelines, had to be fitted with elastomers which were suitable for the sour environment that it was intended to be used in.

Simultaneously, a range of Interwell HPHT Bridge Plugs have also been developed and re-qualified to the same stated specification. The client now has off the shelf options to carry out intervention and production enhancement within their challenging field.



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