Single trip rigless intervention into large bore subsea wells

Well Ops 7 3/8” SIL allows single trip rigless deep water intervention or abandonment from a monohull vessel
Well Ops 7 ¾” Subsea Intervention Lubricator (SIL) is the next generation in the family of intervention systems. Even more adaptable than the 7 ⅛”, the 7 ¾” SIL now sets the standard for light well intervention.

Well Ops has unrivalled experience in the development of subsea intervention systems and current Well Ops SILs are designed with both ease of handling and operational effectiveness in mind.

The 7 ¾” SIL a single trip system that gives access to large bore subsea assets in deeper water with the ability to perform safe and efficient riserless well intervention and riser based coiled tubing operations from a monohull vessel.

The 7 ¾” SIL system is designed to be deployed as a single trip system incorporating a 22m toolstring as well as single trip tree change out utilising the Well Ops bore selector.

The use of the SIL system typically generates cost savings of between 40% and 60% when compared to well intervention with a traditional mobile drilling unit.

The 7 ¾” SIL features an electro-hydraulic control system which provides a high level of redundancy and excellent reliability. The Control system is an integrated system to topside Hydraulic/Grease generation and distribution systems as well as the Subsea system and third party subsea trees. Access to the master control Status Mimic will be available from onshore.

### Features

- 7 ¾” thru bore at 10,000 psi WP
- Diverless System with wireline and coiled tubing capability
- Safety Head Details: 7 ¾” Norsok D002 qualified 10 ksi single action with shear capability shearing 4.5” perforating guns and tool string. (With proximity feedback to master control station)
- Upper Test Valve and Lower test Valve: 7 ¾” Norsok D002 10 ksi shearing gate valves fail safe hydraulic actuated. (With proximity feedback to master control station)
- Wire Cutting Ball Valve integrated with Latch (Upper Section)
- Latch Mandrel integrated with wire cutting ball valve 7 ¾” 10 ksi Norsok D002.
- Supports 22 m tool string mode in wire line capability at 600 m
- ROV Manual Override contingency for all well bore functions
- High angle Emergency Disconnect Package for riser operations
- DHSV closure delay system
- Twin Kill / Deco Line capability
- Complete redundancy within systems
- Weight – 54 Te without tree connector