

# Xpress™ XT Pressure-Balanced Liner System

## Enabled Flawless Installation in Challenging Well with Heavy Mud/High-Pressure Circulation and without Premature Activation of Hanger Slips or NPT

### Objectives

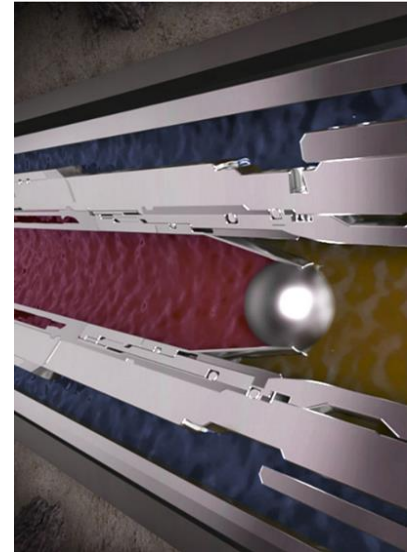
- Successfully ream/wash down a liner-hanger system to total depth (TD), without prematurely setting the liner hanger due to the high-circulation pressures – a process that is inaccessible for conventional liner-hanger systems.
- Activate all hydraulic components of the liner-hanger system in the heavy-mud/high-solids environment.
- Perform cement job to provide zonal isolation and set gas-tight 19LH VS1 liner-top packer to ensure liner-top integrity.

### Our Approach

- Following a thorough pre-job analysis to assess operator objectives and specific wellbore challenges, Weatherford Engineering developed and tested a unique liner-hanger solution. The Xpress XT pressure-balanced liner system is 19LH VS1 tested, to provide gas-tight liner top isolation. The system is pressure balanced, debris-exclusive, and features an intensified setting mechanism that allows high-circulating pressures during the liner-system deployment, without risk of premature liner-hanger setting. This ensures reliable activation of the liner system and accurate release of the running tool at the setting depth – even in the most challenging well environments.
- The Weatherford team assembled and tested the Xpress XT pressure-balanced liner system at the local operational facility to ensure correct function of all components. Field installation was flawlessly performed by qualified personnel with no safety or quality issues and zero non-productive time. The Xpress XT pressure-balanced liner system and DiamondBack™ reamer shoe allowed the operator to wash the liner down into the challenging well with high-circulation pressure and without premature activation of liner hanger slips.
- The liner-system installation was remotely monitored in real time by Weatherford subject-matter experts (SMEs) from the operating center, using Weatherford AccuView® and Centro® well-construction optimization platform.
- After successful liner-system installation, the top-liner integrity was confirmed by positive and negative pressure tests.

### Value to Customer

- The Xpress XT pressure-balanced liner system allowed the operator to flawlessly run the liner in within the high circulating pressures and heavy mud – an inaccessible task for conventional liner-hanger systems.
- The single ball-drop activation of all liner-hanger components saved valuable rig-time OPEX.
- The 19LH-VS1 tested, gas-tight liner-top packer isolation reliably ensures long-term well integrity.



The Weatherford Xpress XT pressure-balanced liner system integrates a high-performance liner hanger and a packer on a single-piece mandrel. This system allows unrestricted pressures and flow rates during deployment – eliminating the possibility of presetting the liner hanger or premature release of the running tool. Xpress XT de-risks liner installations with its unique setting mechanism that maintains a pressure-balanced environment throughout deployment, even in the most challenging well conditions.

**LOCATION**  
Middle East

**WELL TYPE**  
Onshore

**LINER SIZE**  
7 in. (177.8 mm)

**CASING SIZE**  
9 5/8 in. (244.48 mm)

### PRODUCTS/SERVICES

- Xpress XT pressure-balanced liner system
- SSR Plug
- Landing collar
- Float collar
- DiamondBack reamer shoe
- AccuView remote support system
- Centro well-construction optimization platform

