

Multi-lateral Well Project

Major North Sea operator deploys single Deep Casing Tools MechLOK™ DP Swivel & NOV i-Con™ Data Monitoring Sub in multi-lateral well.

APPLICATION

The MechLOK™ DP Swivel assisted in the deployment of three screen drop-off runs in a horizontal, highly tortuous multi-lateral project.

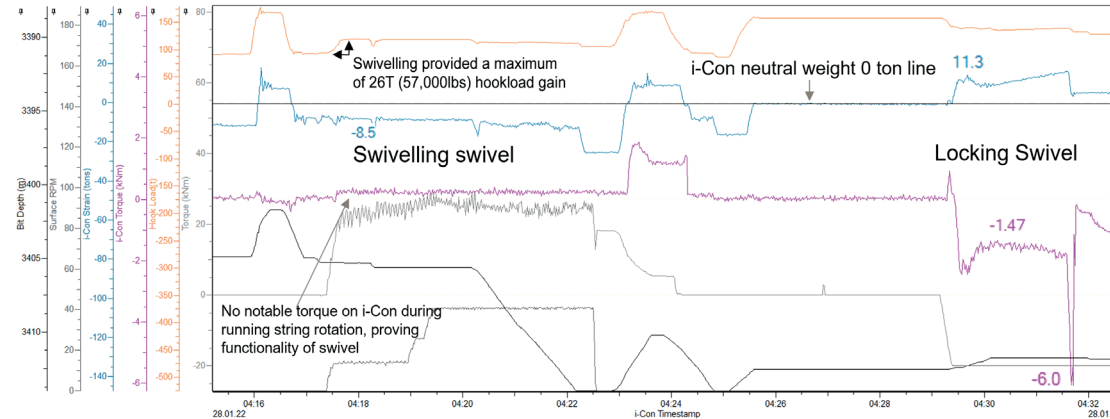
- **Max length – lateral 1:** 12,926ft - 90 deg inc.
- **Max length – lateral 2:** 11,066ft - 90 deg inc.
- **Max length – lateral 3:** 11,197ft - 90 deg inc.

FEATURES

- 5½” MechLOK™, w/XT57 connections.
- Fully mechanically lockable with left-hand rotation, the MechLOK™ is the world’s first and only fully mechanical drill pipe swivel.
- Tools can be rotated both ways in compression.
- Rotation to the right in tension can transmit torque through the MechLOK™ allowing the ability to ride the completion over an obstruction or ledge. Returning to compression reverts the tool back to swivel mode.

ADVANTAGES

- No hydraulic impedance to other pressure sensitive equipment.
- The same MechLOK™ tool was utilized on all three laterals. This has the potential to save time, cost, and carbon emissions by simply unlocking by hand on rig.
- DCT’s partnership with NOV allowed the MechLOK™ to be run in conjunction with the i-Con™ data monitoring sub. This provided a technical advantage to equivalent technologies in the market coupling enhanced deployment of the lower completion with accurate downhole data.



IN NUMBERS

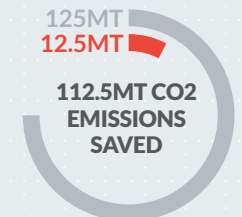
- Conventional Technology
- MechLOK™



9 HOURS RIG TIME SAVED
Potential use of the MechLOK™ can save nine hours of rig time.



\$113K SAVED
Potential savings with using MechLOK™ \$113K in saved time, money and cost by simply unlocking by hand on rig floor.



89% EMISSION REDUCTION
Potential of the MechLOK™ can reduce 112.5MT of CO2 emissions, helping towards operators net zero targets.