

TorkWrench® 10-100 Iron Roughneck Enables Running More Than 2.6 Million Feet of Pipe in 4 Years

Objectives

- Reduce cost and time of tubular running operations on a series of offshore wells.
- Remove personnel from the red-zone to enhance safety.

Our Approach

- Swift Drilling needed a mechanized tubular running solution to run drillpipe safely and efficiently in a series of onshore wells.
- Weatherford recommended deploying the TorkWrench 10-100 iron roughneck to perform all of the makeup and breakout operations. The TorkWrench 10-100 iron roughneck with mud bucket and cleaning and doping unit was installed in the existing positioning system on the client's rig.
- The tool was integrated into the rig so that it could be operated by the driller with a single joystick in an automated sequence with next-step commands.
- Weatherford customized the operation sequence of the TorkWrench 10-100 iron roughneck based on the client's preferences to include wet tripping, back reaming, and drill collar makeup modes.
- Weatherford technical field support technicians provided training and technical support that empowered the client's crew to independently perform all necessary inspection work during the entire operation.
- The TorkWrench 10-100 iron roughneck performed 60,000 makeups and breakouts before requiring any major maintenance.

Value to Client

- The mechanized TorkWrench 10-100 iron roughneck enabled the client to run more than 2.6 million feet (that is 497 miles or 800 km) of pipe in a multiwell project spanning 4 years with one scheduled maintenance stop.
- Use of the TorkWrench 10-100 iron roughneck enhanced safety and efficiency by reducing manual handling of pipe and increasing repeatability rates.
- The TorkWrench 10-100 iron roughneck has also contributed to Swift Drilling's "no personnel in the red-zone area" policy, which significantly reduces hazards to personnel.



The Weatherford TorkWrench 10-100 iron roughneck was installed into the rig's existing positioning device and enabled efficient running of more than 2.6 million feet of pipe.

LOCATION
North Sea

CLIENT
Swift Drilling

HOLE SIZE
4-1/8 in. to 36 in.

TOTAL LENGTH OF PIPE RUN
2,624,670 ft (800 km)

PRODUCTS/SERVICES

- TorkWrench 10-100 iron roughneck with mud bucket and cleaning and doping unit



* TorkWrench is a registered trademark of Weatherford in the US.