JAMPro™ Net Torque-Turn Monitoring System

Enables remote monitoring and control of torque-turn data during tubular makeup

Applications

- Field torque monitoring, control, and analysis of makeup or breakout for any casing and tubing connections

Features and Benefits

- The system provides LAN connections on rigs and onshore, which enables remote setting of parameters and monitoring of data using TCP/IP and portable laptop computers.
- The use of a dedicated IP address and gateways through firewalls provides secure communication between the operations center and the rig.
- Real-time remote monitoring, control, and analysis of torque-turn data lowers logistical costs and reduces the required on-board personnel to two people for 24-hour operation.
- The remote capability of the system enables third-party evaluation without experts on location.
- The system integrates with the Weatherford HiPer™ control system on the rig for remote torque-turn monitoring and control to reduce safety risks.
- The system enables telephone or two-way radio communication with personnel on the rig floor and live video feed of rig-floor activity (if available).
- Certified explosion-proof rig-floor components enhance safety.
- The system provides histograms and trend analysis to enter torque-turn data into the well log for enhanced monitoring.

Tool Description

The JAMPro Net torque-turn monitoring system enables remote monitoring and control of torque-turn data during tubular makeup. For example, joint-analyzed makeup (JAM®) operators can use a high-speed data network connection at an onshore operations center to control makeup operations at a rig hundreds of miles away. The minimum speed for data transmission to the rig is 10 Mb/sec.

The JAMPro Net portable unit can be taken to any rig.

The JAMPro server is permanently installed on the rig and can be accessed and updated remotely.

* JAM is a registered trademark of Weatherford in the US, the European Union, and Norway.