

JAMPro™ Net and TorkPro 3™ Software Evaluate Integrity of ~1,500 Tubular Connections in Real Time—Without Internet

Objectives

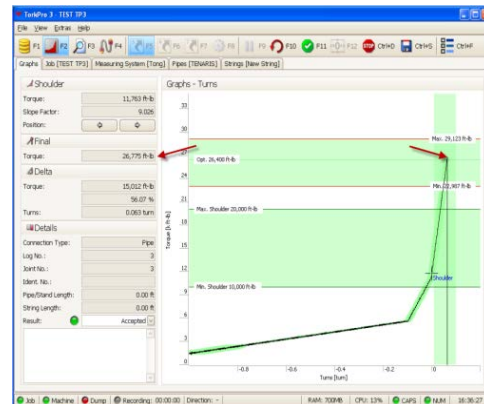
- Provide remote, real-time monitoring of tubular makeup for connection integrity in 10 sections across four wells.

Our Approach

- Inconsistent internet connectivity and bandwidth issues were characteristic of the remote operational location of the wells. To solve these issues, Weatherford customized the standard JAMPro Net offering and established a connection between the JAMPro unit and a laptop in an on-site office.
- The client remotely supervised and monitored the acceptance of tubular connections on the rig floor. In total, the well sections included four 9 5/8-in. production casing strings, two lower completion strings, two upper completion strings, and two monobore completion strings.
- The TorkPro 3 torque/turn monitoring software delivered precise, automated, color-coded graphs for efficient, accurate, and error-free analysis of multiple connection criteria instantaneously. The graphs provided a quick comparison of real-time job data with the requirements of the connection manufacturer.
- The auto-evaluation feature of the TorkPro 3 software evaluated connections for acceptance or rejection with comments. This instant evaluation reduced the reliance on personnel and prevented human evaluation errors when confirming multiple criteria in a short time span.
- During the four-well job, more than 170 operational hours were logged with no connection integrity or operational issues.

Value to Client

- Weatherford JAMPro Net and TorkPro 3 software provided remote, real-time monitoring of tubular makeup and indicated that the 1,493 connections met acceptance criteria for well integrity.
- The custom solution facilitated issue-free performance, which enabled the client to produce the wells as planned without unexpected delays or costly workovers.



JAMPro Net software enabled remote, real-time monitoring of tubular-connection integrity during makeup operations.

LOCATION Bangladesh

WELL TYPE Onshore, development, gas

NUMBER OF WELLS 4

NUMBER OF SECTIONS 10

TUBULAR SIZES AND TYPES

- 9 5/8-in. P110 Hunting SL-HC, production casing
- 7-in. P110 VAM Top® HT, lower completion
- 7-in. P110 VAM Top casing, upper completion
- 6 5/8-in., L80 VAM Top, stand-alone screen lower completion
- 5 1/2-in. P110 Hunting SL-HC, tubing

PRODUCTS/SERVICES

- JAMPro Net software
- JAMPro torque monitoring system
- TorkPro 3 torque/turns analyzing software
- Stabberless system
- HT-1M control panel
- AutoSeal™ II fill-up and circulation tool
- 16-25 hydraulic casing tong
- 7.6-30 hydraulic tubing tong
- 5.5-15 hydraulic tubing tong

VAM Top is a registered trademark of Vallourec Oil and Gas France.

