

Vero[®] Conventional System

Achieves Zero Rejected Joints While Running More Than 1,200 Connections

Objectives

- Reduce the number of rejected joints when running premium completion strings for an onshore gas well.
- Minimize rig-up time and rig-down time to prepare for completion running operations.
- Enhance safety by reducing the number of required personnel to make up and evaluate the completion connections.

Our Approach

- The Weatherford automated connection integrity specialist met with the customer's completion personnel to discuss operational requirements for the tubular running operation. Weatherford introduced the Vero conventional 7.6-30 system to demonstrate its computer-controlled automatic makeup and autonomous evaluation process.
- After demonstrating the value of the system, the customer decided to use it and compare its capabilities against traditional tubular makeup systems from Weatherford.
- The crew rigged up and tested the Vero equipment in a workshop with the customer representatives as witnesses.
- Later at the rigsite, the crew deployed the conventional system on the drilling rig.
- By applying real-time torque monitoring and adaptive speed control, the system successfully made up more than 1,200 connections and saved more than 10 connection rejections compared to industry averages.

Value to Customer

- The Vero conventional system enabled the customer to eliminate, rather than merely reduce, rejected joints when making up more than 1,200 connections.
- The system not only improved connection integrity, but also minimized rig time. In fact, the crew reduced both rig-up and rig-down times by 25% compared to previous operations.
- With its automation capabilities, the system enhanced safety by using 25% fewer personnel in general and 50% fewer personnel for heat stress management when compared to the previous traditional system.



Operated with a simple push of a button, the Vero conventional system controls the makeup and evaluation of premium pipe connections on land and shallow-water rigs.

LOCATION

Arabian Sea, Qatar

WELL TYPE

Onshore, gas

CASING SIZE AND TYPE

7-in., 29-lb/ft VAM TOP[®] HT

PRODUCTS/SERVICES

- Tubular running services
- Vero 7.6-50 conventional system

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