Field welding procedures now available for ATP product line

Background

Coiled tubing operations are critical, and it is essential for the tubing to maintain positive well control and continuous circulation during jobs. Anytime a failure happens on location downtime is inevitable, and the objective immediately switches to do what is needed to keep the NPT to a minimum.

Tube-to-tube groove welds (butt welds) are routinely used on conventionally manufacturing coiled tubing strings so the service company can safely retrieve tubing from the well if there was a failure at surface. This procedure can also potentially extend the tubing's life by allowing a string to continue working and then catch more jobs, capturing more ROI on the string.

With quenched and tempered coiled tubing strings becoming more commonly used in the North American shale plays, there emerges a new challenge—there's no welding procedure providing a reliable tube-to-tube weld on quenched and tempered products.

Solution

A major US service company approached NOV to develop a welding procedure that can produce dependable tube-to-tube welds as qualified per the industry-accepted governing standard: American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (BPVC) Section IX.

With extensive in-house research and testing, Quality Tubing has successfully developed welding procedures tailored for quenched and tempered strings which meet and surpass Code requirements and offer peace of mind to our customers as a backup plan should anything unexpected occur. The welding procedure development once again demonstrates Quality Tubing's technological pioneer position in coiled tubing manufacturing processes.

Welding support is available through your Quality Tubing sales representative, or you may request support at qualitytubing@nov.com.

Details

Product: ATP product line

Key features

- Meets industry welding codes
- Can be field-deployed

Field-deployable welding procedures for ATP product line