

## STIMULATION | FRACTURING

# ExpressKinect® wellhead connection unit

Single-line rig-up to the wellhead for safer, more efficient rig-up operations

## FEATURES

- Single-line rig-up to the wellhead
- 15,000-psi pressure rating
- 100-bpm capability
- Multi-well connectivity
- Remote operation

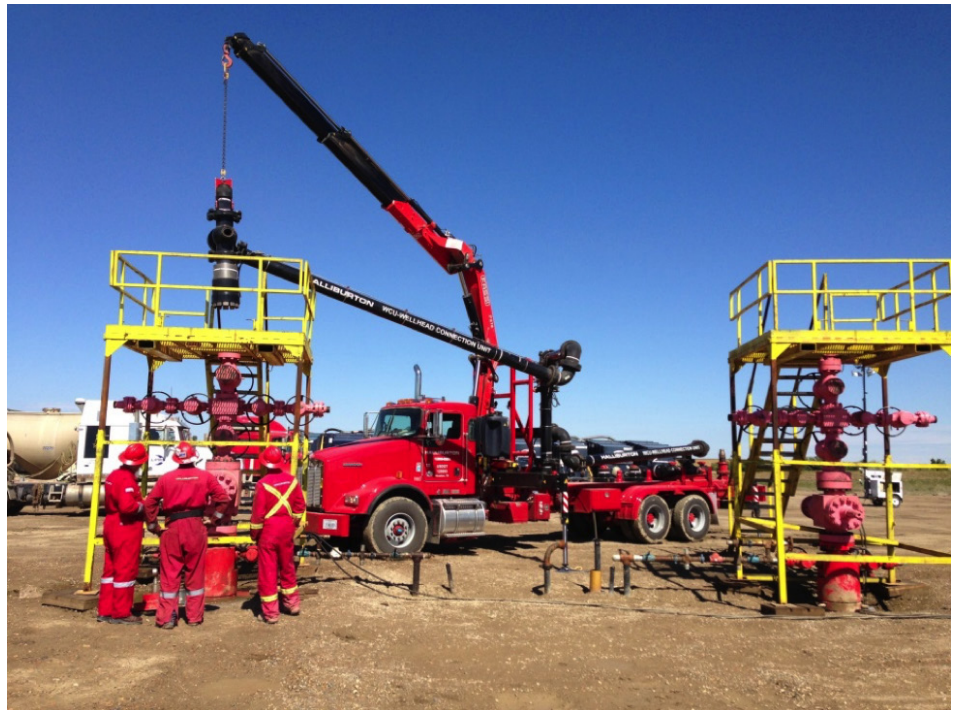
## BENEFITS

- Shortened cycle times
- Improved operational efficiency
- Reduced nonproductive time
- Reduced health, safety, and environmental (HSE) exposure

## Overview

Operations at the wellsite have become increasingly complex with high treatment rates, multiple wells on a pad, and large amounts of equipment on location. This often leads to complex rig-ups with large amounts of iron rigged up to each wellhead. With multiple wellhead pads, zipper manifolds are often utilized to facilitate reduced cycle times between stages. However, these zipper manifolds add significant additional cost, equipment, and complexity to operations. The Halliburton ExpressKinect® Wellhead Connection Unit (WCU) drastically reduces rig-up time and complexity, resulting in a more efficient, safer rig-up operation.

## Reduced complexity, improved efficiency



With the increase in multi-well fracturing operations, there has been a significant increase in nonproductive time due to labor-intensive and complicated rig-up requirements. In addition, this complexity has increased cycle times between wells.

In cases where zipper manifolds are utilized, the operational complexity and increased cost are realized. The improvements in cycle times are frequently offset by scheduled and unscheduled maintenance required on the zipper manifold, often resulting in nonproductive time and a reduction in onsite efficiencies.

The ExpressKinect WCU eliminates up to 85 percent of the high-pressure iron between the manifold trailer and the wellhead. This unit also eliminates the need for zipper manifolds on multi-well pads by providing a single-line rig-up capable of reaching multiple wells, with the capability of handling 100 bpm at 15,000 psi. Wellhead exchanges are executed in less than 5 minutes, thus greatly reducing rig-up complexity and surface iron requirements, and improving cycle times between pads to drive efficiency.

### **Safer, more reliable**

Because the ExpressKinect WCU reduces the number of pressure components and connections required on a job, the number of potential failure points is reduced, which improves the environmental footprint. Streamlining the rig-up operation reduces the number of connections and overhead lifts by up to 75 percent, significantly decreasing safety risk exposure for employees onsite. The unit is operated remotely, which helps to ensure that there is minimum exposure of employees to the Red Zone® area. Utilizing the ExpressKinect WCU results in safer, simpler, and more efficient operations at the wellsite.

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