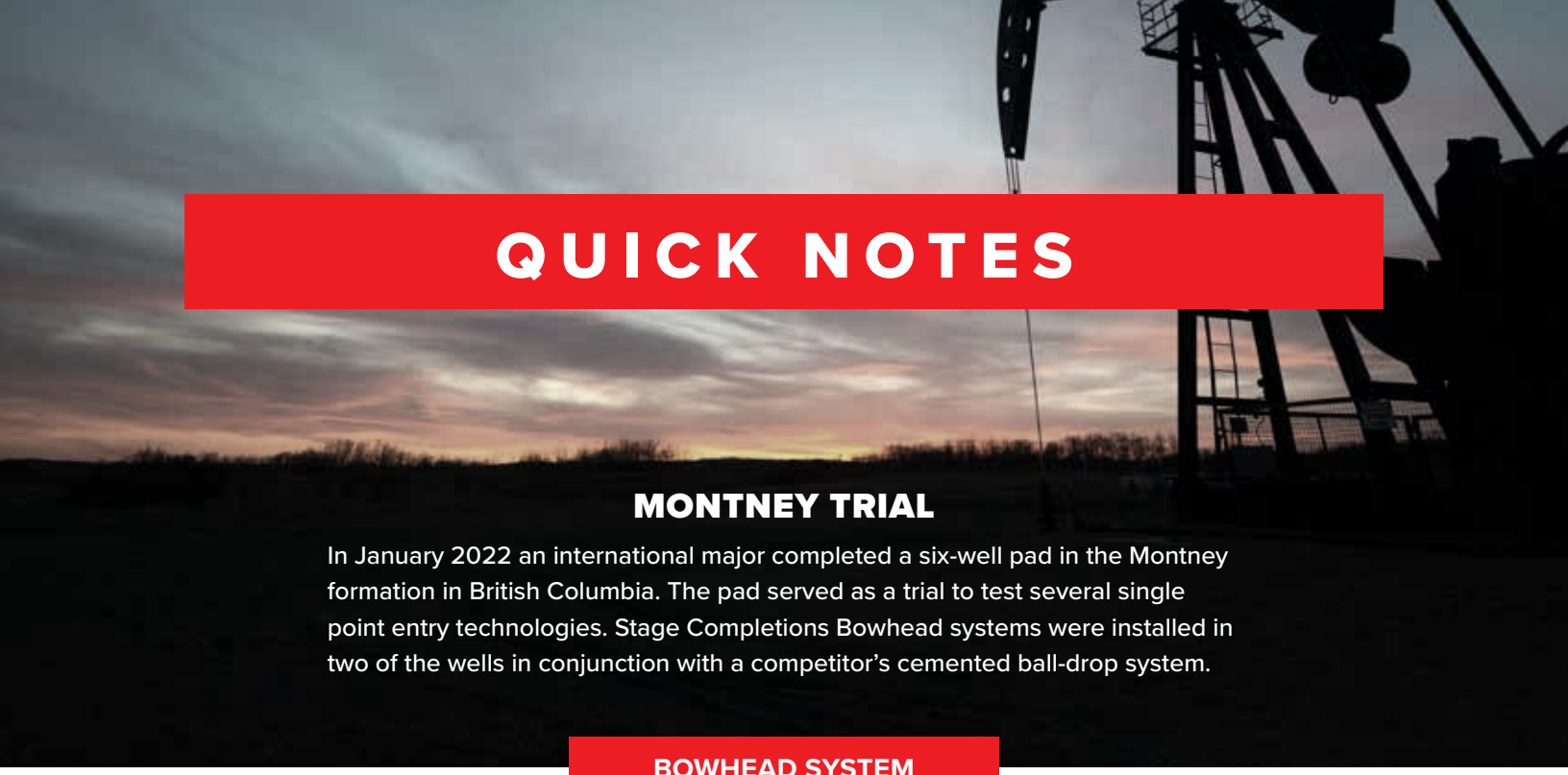

# QUICK NOTES

## MONTNEY TRIAL

In January 2022 an international major completed a six-well pad in the Montney formation in British Columbia. The pad served as a trial to test several single point entry technologies. Stage Completions Bowhead systems were installed in two of the wells in conjunction with a competitor's cemented ball-drop system.

## BOWHEAD SYSTEM

### BY THE NUMBERS

**56**
Bowhead Valves

**100%**
Valve-Opening Rate

**14.3 million lbs**
of Proppant Pumped

Maximum Flow Rate of
**50 bbl/min**

### DESIGN DETAILS

The frac design for the trial wells included **110,000-lb slickwater fracs** located strategically throughout the wellbore. 19 Bowhead valves were installed in one trial well, and 37 in a second well, totalling **56 Bowhead valves** for the pad. The full-bore ID valves were run with the **4 ½"** liners and cemented in place.

### JOB EXECUTION

The ball-drop treatments were completed initially in the toe section of each well, passing through the unshifted Stage Completions valves. When the Bowhead stages were reached, 56 individually profiled collets and dissolvable balls were launched between fracs, and acoustic monitoring confirmed the successful seat and shift of each corresponding valve.

After analyzing operational results of the trial wells, the company's representatives deemed Bowhead valves to offer the most value and have planned to install them exclusively in 12 upcoming wells in 2022.

**BOWHEAD** is a multistage single point entry frac system offering a near limitless number of fracs per well. Cemented or uncemented, this system allows operators to target optimal spacing and distribution while providing unprecedented confidence in valve-opening accuracy.

**01**

**Single Point Entry**
A cementable multi-stage single point entry frac vavle system offering near limitless fracs.

**02**

**Continual Pumping**
Individually profiled collets pumped with dissolvable balls result in continual pumping.

**03**

**Safer, Smaller**
Large-bore, fluid-conveyed collets eliminate the need for wireline, coiled tubing and perforating guns at the wellsite.

STAGE COMPLETIONS

+1 844-NU-STAGE (+1 844-687-8243)
stagecompletions.com