# QUICK NOTES

## SINOPEC SINGLE WELL FRAC

In June 2022, Sinopec Daylight Energy Ltd. completed a single well frac in Alberta, Canada in the Montney formation. As single point entry multistage lateral completions have proven to be successful in the area, the Stage Completions Bowhead system was used in this single wellbore.

**BOWHEAD SYSTEM**

## BY THE NUMBERS

**59**
Bowhead Valves

**100%**
Valve-Opening Rate

**10.9 million lbs**
of Proppant Pumped

Maximum Flow Rate of
**57 bpm**

## DESIGN DETAILS

**57 bbl/min** slickwater frac was planned for the completion of **9,652 ft** of lateral with **~150 ft** stage spacing. Proppant design was based on **1,049 lb/ft** at a maximum concentration of **4#** sand.

**59 Bowhead valves** and one toe port were installed in the **4½"** liner.

## JOB EXECUTION

The Bowhead valves operated without incident and were deemed an operational success allowing the fracs to be executed as planned. Individually profiled collets and dissolvable balls were launched for each stage and successfully opened each corresponding valve.

The well was fracced in under **81 hours**. Crews were able to reach an **average pump time efficiency of 21.6 hours per day**.

**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 valve 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