



geoconvention

Calgary • Canada • May 7-11

2018

Benchmarking Completion Strategies in the Montney and Duvernay

Mark Kowaluk and Joshua WY. Lee

Geologic Systems Ltd.

Summary

Horizontal multi-stage frac (HMSF) completions have revolutionized the development of unconventional reservoirs in the oil and gas industry. The advancement of new technologies allows industry to develop low permeability reservoirs that were not previously viable using conventional drilling and completions practices.

We will look at completions strategies employed in two major plays. Normalized production values have been applied to benchmark how HMSF completions designs have evolved over the years. We will be specifically looking at completions in the Montney Swan and Duvernay Kaybob play areas. We will evaluate these changes, and identify the best practices for completion design in these play areas.