

MAXIMIZE DRAWDOWN MINIMIZE COSTS

Optimize the Montney

Efficient sucker rod pumping in gassy environments



Montney, West-Central Alberta, Canada

Depth

1825 – 2440 mTVD

5990 – 8010 ftTVD

Oil Rate

1 – 21 m³/d oil

6 – 130 bbl/d oil

Watercut 0 – 70%

Gas Oil Rate (GOR)

425 – 5050 m³/m³

2400 – 28,400 scf/bbl

The Challenge

- The Montney unconventional play extends from west-central Alberta into northeast British Columbia, Canada.
- Production grades from gassy oil in the shallower parts of the play, through wet gas into dry gas.
- Many wells in the oil and wet gas window require artificial lift after natural flow.
- Due to the depth, high initial decline rates and high GOR, it is difficult to design and operate an effective, efficient rod pumping system.

The HEAL System™

The foundation for efficient artificial lift in horizontal wells

The HEAL System provides three main benefits to the sucker rod pumping in the Montney formation:

- Minimizes the slug flow from the horizontal so the HEAL Vortex Separator and pump get consistent production rate.
- Provides extremely efficient downhole separation to minimize gas interference and gas locking to maximize pump fillage.
- Lifts the produced fluids from the horizontal to the shallower pump depth in the vertical while maintaining a very low bottomhole pressure.

As a result of these benefits, smaller pumping equipment can efficiently achieve higher production rates while simultaneously maximizing drawdown and reducing unit lifting costs.

In 11 installs, the HEAL System has **increased production by over 200%** across the previous production decline trend while using the same or smaller pumpjacks than offsetting wells.

