

MAXIMIZE DRAWDOWN MINIMIZE COSTS

Optimize the Montney

Efficient sucker rod pumping in gassy environments



Montney, West-Central Alberta, Canada

Depth

1450 - 3090 mTVD

4760 - 10,140 ftTVD

Oil Rate

1 - 70 m³/d oil

6 - 440 bbl/d oil

Watercut 0-90%

Gas Oil Rate (GOR)

200 - 7200 m³/m³

2400 - 40,400 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 25 installs, the HEAL System has **increased long-term (>12 months) production by over 75%** over the previous production decline trend resulting in average **incremental production of 18,400 boe per well** in the 12 months following the installation of the HEAL System. The average HEAL System installation paid out in 2 to 4 months.

