

## Case Study

# Major Oil Producer in Alberta Reports Continuous Success from SSi Model 250

November 17, 2020



A Major Oil Producer in Northern Alberta has reported great success with their 210-inch stroke length, **SSi Model 250** (60 horsepower). The unit was installed nearly 10 years ago in Northern Alberta and has been running without any failure for all its 9 years, or 3,576 days of ongoing uninterrupted operation.

There is no doubt that Canadian winters can be a host for harsh and freezing temperatures. The temperatures experienced in these areas range from -47 Deg C in Winter, and up to 34 Deg C in the summer.

All our SSI units are designed with heating and cooling equipment to maintain consistent hydraulic fluid temperatures. Pumping is not initiated until the hydraulic oil is at the optimum temperature, benefiting both cooler, and warmer Canadian temperatures.

To stay on schedule, the preventative maintenance has been completed consistently every 180 days. The following data points have been recorded in 2020, and the unit continues to operate successfully.

## Performance Data:

- Days in Service: 3,576 days (9 years)
- Total Number of Cycles: 30,616,8120 strokes
- Recorded Unit Speed: 3.3 Strokes Per Minute
- Peak Polished Road Load: 8000 lbs

## Summary

The ability of our SSI units to achieve long-stroke and slow speed pump cycles ensures minimal downtime and maximum longevity of surface and downhole equipment. This also allows SSI units to achieve a full pump card over the installed lifetime.

When compared with an SSI unit, a conventional beam pump must pump at twice the speed to achieve the equivalent production.

Some additional SSi benefits include:

- Robust cylinder and elastomer design reducing maintenance requirements
- Long-stroke and slow speeds to increase life of production equipment
- Independent up and down speeds for production optimization
- Controller intelligence prevents carrier bar separation and fluid or gas pounding
- Ongoing educational sessions for operations and engineering staff on-site

SSi Artificial Lift designs and manufactures long-stroke rod lift systems that provide our clients with additional well production and extended downhole equipment life.

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Click here to learn more about SSi Artificial Lift Units: <https://www.ssilift.com>