

# Case Study: ZERo100 Erosion/Corrosion Protection

## Summary: Cost Reduction in OPEX (Rod, Pump, and Tubing Failures)

A midsize operator in the Montney Formation was having cost overruns due to workovers caused by repeated rod replacements and pump failures. During the inspection of the tubing, the operator also discovered extensive erosion and corrosion with major wall loss on the tubing.

The operator had over \$150,000 in workover costs over a six-month period and came to ZEROCOR Tubulars in search of a better solution.

## Overview

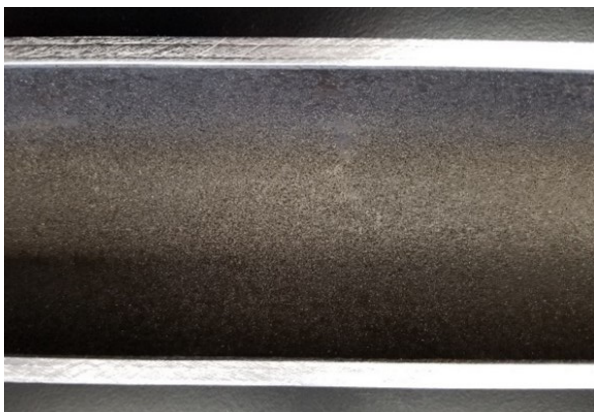
Completion: 2 7/8" (73.0 mm) J55 Production Tubing with ZERo100  
Location: Kaybob Field, Grande Prairie, Alberta  
Deployment: Montney Formation  
Reservoir: Stratigraphic Unit of Lower Triassic  
OIP: 1.125 billion barrels of oil  
Operator: Midsize E&P in Canada



Tubing Failure and Erosion

## Objectives

- Reduce OPEX by extending the life of the tubulars
- Decrease tubing friction to minimize rod and pump failures
- Reduce interventions, exposure hours to employees, and operational downtime caused by tubing failures
- Deliver protection against corrosion and erosion in a sour environment
- Evaluate the viability of coated tubing technologies



ZERo100



Major Wall Loss

## Results

- Production rate increased due to lower friction coefficient
- No interventions after 2019 installation of ZERo100 coated tubing (case study originally made in 2020)
- ZERo100 API Drift tubing allowed for no specialty sized accessories
- Well success has proven the operator's decision to use ZERo100 on neighboring wells in the field
- Provided a Green Solution for the environment