

# Case Study: ZERo300

## Erosion/Corrosion Protection

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

A midsize operator in the Montney Formation experienced cost overruns due to workovers resulting from frequent rod replacements and pump failures. During the inspection of the tubing, the operator discovered significant erosion and corrosion, resulting in major wall loss.

Over a six-month period, the operator incurred more than \$150,000 in workover costs and sought a better solution from ZEROCOR Tubulars.

### Overview

Completion: 2 7/8" (73.0 mm) J55 Production Tubing with ZERo300

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

### Objectives

- Reduce operational expenses (OPEX) by extending the lifespan of tubulars.
- Decrease tubing friction to minimize rod and pump failures.
- Reduce the number of interventions and the exposure hours for employees, as well as operational downtime caused by tubing failures.
- Provide protection against corrosion and erosion in sour environments.
- Assess the effectiveness of coated tubing technologies.



**ZERo300 Coated Tubing**  
(Orange Band)



Tubing Failure and Erosion



Major Wall Loss

### Results

- The production rate has increased due to a lower friction coefficient.
- Since the installation of ZERo300 coated tubing, no interventions have been required.
- The ZERo300 API Drift tubing has eliminated the need for specialty-sized accessories.
- The successful outcomes from this well have validated the operator's decision to use ZERo300 on neighboring wells in the field.
- **ZERo300 offers an environmentally friendly, Green Solution.**