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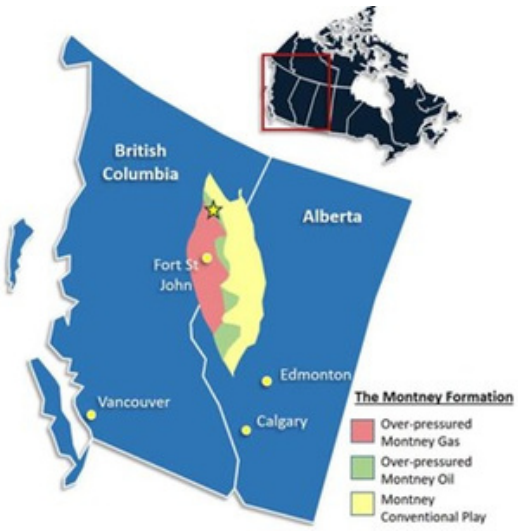
Case Study: ZCor100

Scale and Wax Mitigation

Summary: 85% Cost Reduction in OPEX

A major company operating in the Montney formation was experiencing consistent paraffin and wax issues. They approached ZEROCOR Tubulars for a solution. The company had spent on average $30,000/month on workover costs. Due to limited assess to the wellsite, they had to lease a wireline unit to be placed on site permanently. This also led to additional costs due to winter access and downtime.

Operators in the Montney formation are actively developing their land position in the heart of the volatile oil window in NW Alberta areas, such as Gold Creek, Karr, and Simonette.

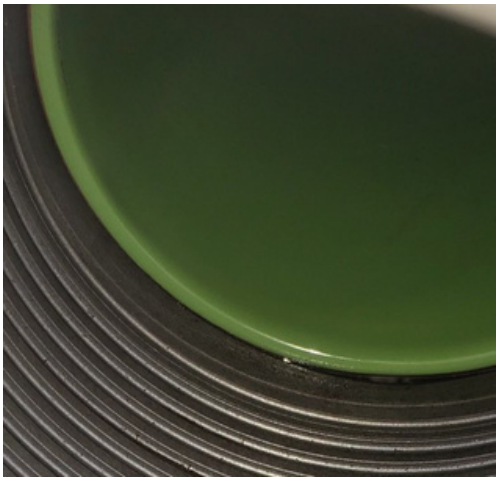


Overview

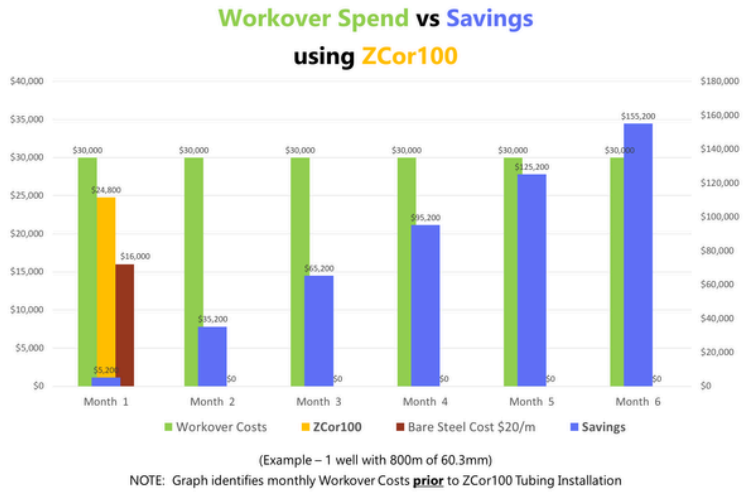
Completion: 2 3/8" (60.33 mm) L-80 Production Tubing with ZCor100
Location: NE British Columbia, NW Alberta
Deployment: Montney Formation
Reservoir: Stratigraphy Unit of Lower Triassic
OIP: 1.125 billion barrels of oil
Operator: Mid-size E&P in Canada

Objectives

- Confirm the depth where the wax deposits are forming and causing blockages in production.
- Reduce the frequency of wellbore interventions to allow for unrestricted flow production flow.
- Minimize operational downtime and additional site equipment costs.



ZCor100 Coated Tubing



(Example – 1 well with 800m of 60.3mm)
NOTE: Graph identifies monthly Workover Costs **prior** to ZCor100 Tubing Installation

Results

- Operator was able to achieve 85% reduction in operating expenses (OPEX) by reducing the friction coefficient (0.187) with coated tubing.
- Helped in reducing the build-up of scale and wax deposits, thus leading to a decrease in chemical cost programs.
- Previously stranded shut-in wells became economically viable and there was a 100% reduction in downtime.
- Payback period was approximately one month, as shown in the graph.
- **ZCor100 coated tubing also provided environmental benefits, making it a Green Solution.**