

Summary: Cost Reduction in Downhole Workovers

A Montney producer having continuous workovers for dewaxing listened to ZEROCOR Tubulars when we told them we have a solution. The operator on average spent approximately \$10,000/10 days on a well with dewaxing treatments that included running knives, pumping diesel, and flushing with chemicals to control pressure and production rates. The wax build-up on regular tubing walls also caused the operator cost overages because of pressure drops, dewaxing, and clean-outs.

Operators in the Montney Formation are actively developing their land position in the heart of the NE British Columbia and NW Alberta. ZEROCOR Tubulars continues to provide value and a cost-effective solution for these operators.

Overview

Completion: 2 3/8" (60.33 mm) L-80 Production Tubing with ZCor100
Location: W6, NW Alberta
Deployment: Montney Formation
Product: Condensate-Rich Natural Gas
Operator: Large E&P Operator

Objectives

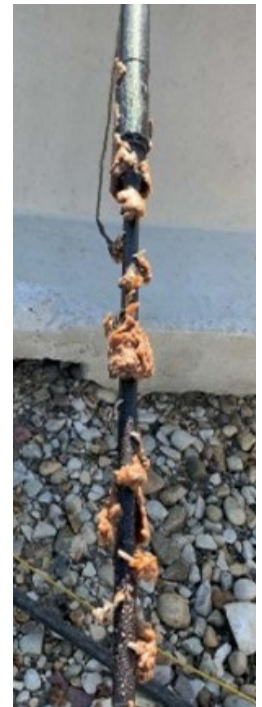
- Lower costs and improve operational efficiency
- Prevent wax build-up on pipe walls affecting gas lift pressure
- Reduce wax crystallization and deposition around tubing string
- Reduce clean out intervention into wellbore and allow for unrestricted flow of production
- Reduce spending on wax inhibitors/dispersants and anti-sticking agents



Wax Build-Up in Regular Tubing String After 10 Days



Cap Check - Regular Tubing, Wax is Hardened and Dehydrated



Dewax Workover, Knife Run After 10 Days Run-Time



Minimal Wax on Gauge Ring, No Knives



Cap Check - Coated Tubing, Wax is Soft, Not Dehydrated

Results

- Reduced downtime exponentially
- Reduced workover costs, no knives or scrapers for dewaxing
- Reduced chemical remediation costs significantly
- 25% decrease in associated costs running gas lift with no wax present
- Prevented wax deposits from adhering to the surface using ZCor100 low friction coefficient coated tubing (0.187)
- Provided a Green Solution for the environment