

## TRUE SUCCESSES

### DEMULSIFIER AND DEFOAMING PRODUCT SPEND REDUCED BY 45%

#### Challenge

A producer in West Central Saskatchewan requested a review to optimize their current chemical oil treating program. Their demulsifier and defoaming costs were becoming a concern.

#### Solution

PureChem Services conducted bottle testing and recommended plant testing of DM-326 and AF-901 to replace incumbent products. The products were started at the same treatment rate used with the incumbent products with a target of keeping the BS&W at 0.1%. Over the course of the test period, the demulsifier treatment rate was gradually reduced to reflect a 20% reduction over the original treat rate. The BS&W rate remained at 0.1%, surpassing the new standard of clean oil at trucked in terminals being 0.3% BS&W.

#### Benefit

During the plant testing, PureChem Services also worked to reduce defoamer treating rates by 60%. The new treatment plan has been running for over 100 days without any issues.

These treating efficiencies resulted in a 45% reduction in chemical spend without having any negative impact on the vessels or injection systems.

#### Area

Heart Hill Field

#### Formation

Bakken, Waseca, Sparky

#### Form of Lift

Progressing Cavity Pump

#### PureChem Product

DM-326 and AF-901