PureChem™ Services

TRUE SUCCESSES

Demulsifier and Defoaming Spend Reduced by 45%

Area
Hearts Hill Field

Formation
Bakken, Waseca and Sparky

Form of Lift
Progressing Cavity Pump

PureChem Products
DM-326 and AF-901

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 rate at .1%. Over the course of the test period, the treatment rate was gradually reduced to reflect a 20% reduction over the original treat rate. The BS&W rate remained at .1%, surpassing the new standard of clean oil at a trucked in terminals being .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 have resulted in a 45% reduction in chemical spend without having any negative impact on the vessels or injection systems.

PureChem Services
Head Office
1400, 700 4th Avenue SW
Calgary, AB T2P 3J4
403.269.2800

PureChem Services
Production Facility
Hwy 9 South, Box 1089
Carlyle, SK SOC 0R0
306.453.4414

PureChem Services
Blend Plant
1302 5th Street
Nisku, AB T9E 7R6
780.955.3596

For a full list of locations and contact information please visit us at;
www.purechemservices.com