

TRUE SUCCESSES

WATER TREATMENT PROGRAM REDUCES COSTS BY 80%

Challenge

A mid-sized operator was having severe issues in treating vessels at their facility. There was no water level in the treater or free water knockout, and a heavy amount of solids coming off the water dump on both vessels. This increased time skimming solids off the water production tank and created water disposal well issues. The competitor product was costing between \$25,000 to \$30,000 per month and was unsuccessful in fixing the problem.

Solution

PureChem performed a system assessment and then sampling and testing in our Carlyle laboratory. ASA-200, our paraffin/asphaltene dispersant, was set up at two field headers while ISC-805 for iron control was injected at the inlet of the battery. A two-week plant trial was conducted with results monitored daily until the rates were optimized and the system was running well. PureChem has been successfully treating Bakken facilities with high iron counts with our ISC-805 for many years now.

Benefit

The system began operating much better, with clean water off the water dump the day after starting our products. The interface levels went from undetectable to optimal position in both vessels. Water levels have held and remained clean, reducing skimming time. The vessel interface levels have remained excellent, resulting in better efficiency and also cleaner oil at the shipping pump.

The treating costs went from \$30,000 per month using the incumbent program, down to \$6,000 per month with PureChem products.

Area

South Saskatchewan

Formation

Bakken

PureChem Product

ASA-200 and ISC-805



Treater Interface



Produced Water off Treater Dump