

DMW-8660 De-Sand Compound Eliminates Waste and Slop Oil Treating Completely

PROBLEM:

An Alberta heavy oil producer was already using Baker Petrolite's zero slop chemistry and had reduced their slop treating costs by half. Because of Baker Petrolite's continuing testing of slop treating chemicals the producer was asked to participate in a pilot project. The project was to inject a new chemistry into the desand water during normal desanding procedures. The intent was to de-oil water and solids before they were lost to the system and have to be recovered downstream. And to provide a better separation in the secondary recovery system.

DISCUSION:

Baker Petrolite and the operators developed a procedure for adding the new chemistry into the de-sand water via a lubricator. The water, combined with the chemical was then jetted into the system. Because this plant used both atmospheric and pressure systems for treating, it was a perfect candidate for the test. The Plant already had record lows of waste and slop oil and provided an excellent proving ground. The results were amazing.

Note: The combined savings by eliminating slop oil treating and no recordable waste oil amounts to over \$ 200K annual savings. Considering the waste oil was approximately four to six percent by volume and the normal disposal charges would apply, that saving would also be captured. The fact that the waste oil was now recovered and for every 100 meters disposed four to six meters were sold at to-days prices the revenues increased also.

The complete chemical program's yearly costs are less then \$ 3,700 and the benefits of a clean system is priceless

RESULTS AND BENEFITS:

The Plant experienced the following benefits.

- Absolutely no treating of slop oil
- No recordable waste oil

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