

CLEAR SOLUTIONS for complex fluids

CETCO's expertise in production system evaluation helped operators generate additional 200 barrels of oil per day



CHALLENGE

- Solids problems; High OPEX; Poor Oil-in-Water (OIW) discharge quality



SOLUTION

- Study with analytical tools; characterize process; recommend solutions



RESULTS

- Increase production by 200 barrels of oil per day (BOPD) by using information from study

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CHALLENGE

A Customer facility was receiving a high concentration of solids in produced water, the main source of which was from a satellite location. Consumable costs were skyrocketing as a result of in-house attempts to mitigate the issue - and even worse, the facility began having difficulty maintaining Oil-in-Water (OIW) discharge compliance.

CETCO SOLUTION

CETCO ENERGY SERVICES, (CETCO) provided on-site sampling and testing services for approximately 10 days. The Objective Root Cause Analysis, (ORCA™) study included extensive use of a particle size analyzer, as well as numerous other analytical methods, including off-site testing of samples by third parties. Upon analysis of the process stream, a bi-modal distribution of solids was discovered. It was determined that the Customer had two different types of solids contaminating their system. Data indicated that the smaller solids were oil wet and contributing to oil in water excursions. Analysis from the study established that fluid quality would be improved by applying solids filtration to the recycle stream.

RESULTS

The data gathered by CETCO ORCA™ Services helped the Customer optimize and resolve the issue and enabled an additional 200 barrels of oil per day (BOPD) to be brought into the production system.

