



CLEAR SOLUTIONS for complex fluids

CETCO Produce Water Treatment System treats largest and longest pigging run in Malaysia's history for offshore pipeline flushing



CHALLENGE

- Treating a large volume of pipeline flushing fluid at the highest flow rate possible while achieving discharge according to regulations.



SOLUTION

- A primary, secondary & tertiary Produce Water Treatment System capable of operating at 40,000 BPD



RESULTS

- The high flow rate package enables the operations to be completed ahead of schedule providing the client with significant savings with CETCO Energy Services (CETCO), pigging and pumping & boat contractors

SUCCESS STORY

Water Treatment & Filtration
Pipeline Fluid Management

CETCO Produce Water Treatment System treats largest and longest pigging run in Malaysia's history for offshore pipeline flushing

CHALLENGE

CETCO's client in Malaysia required a 161km and 38-inch pipeline flushing before a new pipeline tie-in. This required the largest and longest pigging run in Malaysia's history. To enable the pipeline intervention, the fluid in the pipeline needed to be flushed until it was below the oil-in-water (OIW) limit which is less than 30 ppm. Pigging operations required that the incoming pipeline fluids would be expected to reach up to 40,000 barrels per day (BPD). Additionally, the client did not have up-to-date information on the water composition of the pipeline fluid.

CETCO SOLUTION

CETCO provided a modular Produced Water Treatment System capable of operating 40,000 barrels per day. The system included primary separation & degassing followed by secondary oil removal using our Hi-Flow[®] Advanced Coalescing Technology followed by our adsorbent CrudeSorb[®] media as a final polish to ensure discharge compliance. CETCO provided pre-engineering in conjunction with the client to develop the job-specific procedures and a full-service package operated by experienced field personnel to ensure optimal operations.

RESULTS

The client completed their most extensive pipeline flushing activity to date ahead of schedule and in compliance with regulatory discharge limits. CETCO's exemplary HSE performance ensured there were no safety and environmental issues. The client immediately proceeded with their pipeline tie-in activity without delay, enabling cost-effective operations.

