

Water Treatment Case History

Centrifugal Package

Challenge

A major oil and gas company in the Gulf of Mexico was having trouble achieving acceptable BS&W levels with their production separator, which flows to another oil and gas company's platform. Due to high BS&W, the well had to be shut in and the revenue was lost for that well. CETCO Energy Services was then contacted to assemble an equipment package that could flow the well and ensure that the proper BS&W levels would be met while the production company resolved the issues with the separator.

CETCO Solution

CETCO mobilized a centrifuge rental package that would ensure that the proper BS&W levels were achieved while the issues were resolved with the production separator. CETCO's centrifuge uses centrifugal force to separate immiscible liquids of different densities. An AC inverter drive controller provides for precise control of the rotor speed. Over 600 G's can be generated inside of the unit when it is run at maximum velocity. For over three months, CETCO's centrifuge package treated fluid rates up to 2,000 bpd and averaged less than 1% BS&W discharged with influent BS&W levels up to 80%.

Outcome

As a result of using the centrifuge package, the operating company did not experience any down time due to the BS&W issue and was able to regain up to \$450,000 in revenue a day.

