

CLEAR SOLUTIONS for complex fluids

Treating Completion Fluids and Acid Flowbacks



CHALLENGE

- Fluid flowback while drilling, with a small footprint



SOLUTION

- Using CETCO Energy Services (CETCO), RFV-2000 filtration, small footprint and expertise to clean up the fluid



RESULTS

- All fluids that were captured and filtered by CETCO were well below discharge criteria

Treating Completion Fluids and Acid Flowbacks

CHALLENGE

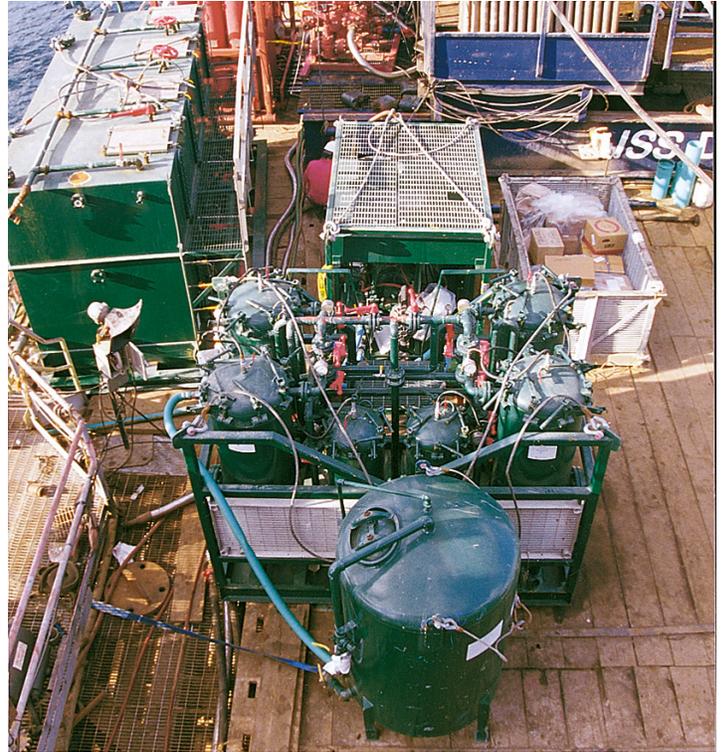
An oil company completed a well in Gulf of Mexico, and CETCO, was hired to treat the flowback fluids. During the flowback, it was necessary for the oil company to continue normal drilling operations. Deck space on the structure was at a premium for the oil company, who simultaneously continued drilling while flow back fluids were being treated. CETCO's proven technology and specialized equipment, with a very small footprint, were keys in treating the fluids while allowing normal operations to continue.

CETCO SOLUTION

The flowback lasted for four days, and CETCO treated all of the return fluids, discharging clean water directly into the Gulf of Mexico. CETCO received fluids from the structure's test separator. The fluids were routed into CETCO's 120-BBL Sparging Separation Tank for initial treatment. Inlet oil and grease concentrations ranged from 225 ppm to 590 ppm. Specialists then pumped the fluids from the separation tank to CETCO's RFV-2000 filtration skid containing radial flow canisters filled with CETCO's patented CrudeSorb® media.

RESULTS

Static sheen tests were conducted on the water discharged from CETCO's equipment throughout the project, and the water continuously passed the test. Infrared oil and grease measurements were also performed on the treated water, and all results were well below the discharge criteria. An independent laboratory tested samples of the water discharged to the Gulf of Mexico, and all samples contained oil and grease levels below detectable limits.



WELL STIMULATION FLUID ADDITIVES

- | | |
|---------------------|----------------------|
| Hydrochloric Acid | Gel Spacer |
| Scale Inhibitor | Clay Control |
| Iron Control | Liquid Gelling Agent |
| Corrosion Inhibitor | Buffering Agent |
| Surfactant | Bactericide |
| Acetic Acid | |



TEST SEPARATOR FLUID

WEIRBOX FLUID

CLEAN WATER AFTER
CETCO'S PROCESS

