

DELTAFLOW OCF system successfully drilled a gas well without losses and minimum impact on the reservoir

CHALLENGES

- Effectively drill ~ 712 ft of reservoir section without losses
- Highly permeable reservoir, high risk of formation damage due to non-acid soluble particles invasion
- Narrow mud windows in the reservoir section
- Wildcat well with minimum offset data

SOLUTION

Develop a clay-free invert emulsion system that utilizes the brine phase and environmentally approved rheology modifiers to provide the fluid's viscosity and density, with minimum impact on the reservoir



Zero fluid losses and 0 NPT achieved while drilling 712 ft of highly permeable reservoir in a wildcat well, west of Shetland — completing ahead of P50 target in 8.6 rig days.

RESULTS

Zero NPT

no operational events related to the fluid

8.6 days of rig time

ahead of P50 target

Zero fluid losses

despite highly permeable reservoir