

MALAYSIA
OFFSHORE

Bottomhole temperature	170 degF [76.7 degC]
Mud weight	13.9 lbm/galUS [1.67 kg/L]
Completion equipment	Stand-alone screens

Background

An operator offshore Malaysia was preparing to batch drill and complete the reservoir sections of six wells. A potassium and cesium formate–base FLOPRO NT* water-base reservoir drill-in fluid (RDF) with FORMIX* formate-based brine technology was chosen as the optimal solution, but design requirements also necessitated a surfactant additive, which increased the risk of foaming while drilling. After a laboratory assessment, M-I SWACO recommended the DEFOAM EXTRA* high-performance defoamer to prevent foam as a pretreatment as well as to eliminate foam after it forms.

Technologies

- DEFOAM EXTRA high-performance defoamer
- FLOPRO NT water-base RDF
- FORMIX formate-based brine technology

DEFOAM EXTRA Defoamer Prevents, Eliminates Foam in Formate-Base RDF for Entire Six-Well Campaign

Low dose of high-performance defoamer enhances operations throughout batch drilling operation offshore Malaysia



The defoamer controlled foaming for all six wells with no effect on rheology, and the FLOPRO NT RDF with FORMIX technology performed as designed throughout the campaign.