

PERFFLOW IF reservoir drill-in fluid

Optimize reservoir drilling performance with an intelligent fluid system

Applications

- Reservoir drilling
- Open and cased hole completions
- Sandstone formation

Features and benefits

- Intelligent fluid package
 - Minimizes capillary effects near the wellbore
 - Inhibits the formation of filtrate-crude oil emulsion
 - Improves water-wetting properties
 - Prevents silicate fines migration
- Utilizes non-damaging polymers
 - Exhibits excellent reservoir drilling and completion fluid performance
- May be customized for specific reservoir needs
 - Maximizes production and investment payout

The PERFFLOW™ IF intelligent reservoir drill-in fluid (DIF) from Baker Hughes is a non-damaging water-based system designed to improve the compatibility of filtrate with the reservoir fluid, reducing the risk of formation damage due to emulsions, scales, and fines migration in the near wellbore.

The PERFFLOW IF system is engineered with specific particle size distribution, enhancing filter cake properties, and minimizing fluid invasion.

Recommended treatment

The PERFFLOW IF system is customized to match a specific reservoir, but is generally composed of the following key components:

- The KLARO™ NE non-emulsifier for reservoir stimulation, interfacial tension reduction, and emulsion prevention
- The KLARO™ SI scale inhibitor to prevent scale formation in injection and production wells
- KLARO™ FS fines stabilizer to minimize production decline due to mobile siliceous fines
- MIL-CARB™ (US-sourced) or FLOW-CARB™ (EU-sourced) calcium carbonates for custom bridging
- BIO-PAQ™ filtration control agent
- CLAY-TROL™ shale inhibitor for shale stabilization

Environmental information

For information concerning environmental regulations applicable to this product, contact the Health, Safety, and Environmental department of Baker Hughes.

Safe handling

recommendations

Use normal precautions for employee protection when handling chemical products. See Safety Data Sheet (SDS) prior to use.