

PERFFLOW NG reservoir drill-in fluid

Enhance injection and production efficiency with a next-generation, non-damaging water-based DIF

Applications

- Reservoir drilling
- Open and cased hole completions
- Injection and production wells
- Carbon capture, utilization, and storage (CCUS) operations
- Screen running fluid
- Fluid loss pills

Features and benefits

- Simple formulation
 - System components compatible with fresh water and monovalent brines
- May be customized for specific reservoir needs
 - Maximizes production and investment payout
- Maintains filtration control up to 300°F (149°C) with the use of thermal stabilizers
- Forms easily dispersed, acid-soluble filter cake

The PERFFLOW™ NG reservoir drill-in fluid (DIF) from Baker Hughes is a next-generation, high-performance water-based system suitable for use in both in injection and production well operations. PERFFLOW NG system is designed to reduce skin factor, minimize lift-off pressure, and lower filtrate viscosity using non-damaging, acid-soluble products.

The PERFFLOW NG system utilizes multifunctional additive, resulting in easily dispersed and acid-soluble filter cake.

Recommended treatment

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

- The DCOE-7024 multifunctional additive to improve filtration control and viscosity in water-based DIFs
- The DCOE-7025 pH buffer, which works synergistically with DCOE-7024 to build LSRV
- MIL-CARB™ (US-sourced) or FLOW-CARB™ (EU-sourced) calcium carbonates for custom bridging
- CLAY-TROL™ shale inhibitor for shale stabilization
- Lubricants such as KLARO™ LUBE NS or LATILUBE™ to minimize torque and drag
- MIL-GARD™ XPR H₂S scavenger

Depending on a reservoir's specific needs, other products (e.g., scale inhibitors, emulsion preventers, and oxygen scavengers) may be added to the system.

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.