

## Reservoir and Completion Fluids Solutions



Newpark's displacement service can address any wellbore cleanup operation with the use of our **TrueClean™** displacement chemistry. TrueClean™ resolves the issues arising from displacing non-aqueous drilling fluids and minimizes the number of pills required when compared to a conventional displacement. A single product, TrueClean™ thins, disperses, and dissolves any oily residue, rendering the casing and tubulars in a clean, water-wet state.

Newpark's complete displacement toolbox includes wellbore cleanup and displacement chemicals, filtration equipment and services, displacement modelling software, and pre-planning / post-analysis displacement laboratory services.

Newpark also offers a complete line of clear brine fluids, designed to minimize formation damage and control reservoir pressures displaced into the wellbore once the drilling phase is completed.

Newpark's specially designed **TRUE** suite of completion additives include products designed for viscosifying a wide range of clear brine fluids, corrosion inhibition, emulsion prevention, foam prevention, and brine reclamation.

### Drill-In Fluids

A greater focus on open-hole completions has seen a significant push towards the use of specialized, minimally damaging **reservoir drill-in fluids (RDF)**. The Newpark family of RDFs are optimized to each individual application for maximum reservoir productivity while minimizing damage. They are ideal for all open-hole completion designs as well as wells subject to formation damage as the RDFs maximize reservoir production and injection, reduce potential for formation damage, minimize drilling and completion costs, and tackles various drilling and completion challenges.



Newpark engineers a complete family of RDFs with the target of depositing an impermeable yet easy to remove filter cake that are fully compatible with the suite of optimized breaker systems. The RDFs offer application specific fluid loss control, rheological profile, lubricity amongst other properties to meet the desired goal. To ensure uniform and efficient removal of the filter cake each system undergoes a rigorous test protocol resulting in a fit for purpose RDF and breaker system. The family of RDFs is made up of:

**CleanDrill™**

Minimally damaging monovalent brine based RDF allowing for easy cleanup of the filter cake and achieving minimal drawdown pressures. **CleanVis™** viscosifier provides the necessary rheology profile to achieve excellent cuttings transport while the

**CleanTrol™** starch provides robust filtration control and generates the impermeable, readily removable filter cake.

**CleanDrill™ HD**

CleanDrill™ HD high-density, bio-polymer free RDF realizes the potential of utilizing high density, divalent brines which previously proved troublesome. Since the incompatible biopolymers are no longer required the CleanDrill™ HD RDF works in all divalent brines achieving high densities allowing for solids to be added for bridging the formation as opposed to being required for density.

**Resolution™**

Designed to meet the drilling performance of an invert emulsion drilling fluid while achieving the filter cake removal efficiency of a water based fluid.

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