

True Series

Completion Fluid Solutions



NEWPARK
FLUIDS SYSTEMS

One Focus: Your Success

Newpark offers a comprehensive line of solids-free completion fluids, completion fluid additives and filtration services to allow you to economically and efficiently deliver your wells. The production interval, whether cased or open-hole completion, requires a custom-engineered solution to ensure maximum productivity, which Newpark can help you to achieve.

Field-proven completion fluids from Newpark serve to control downhole formation pressures while reducing the risk of formation damage from solids invasion or incompatibility between the completion fluid and in-situ matrix. Whether the operation requires well killing, fishing, perforating, workovers or a packer fluid, Newpark has the ability to supply and engineer completion fluids to accomplish the end goal.

Newpark has developed a portfolio of completion fluids additives with the functionality necessary to seamlessly move from drilling all the way through to the completion of your well.

To fully complete the cycle, Newpark provides advanced filtration technology to ensure the maximum effectiveness of the solids-free completion fluids. Optimizing the efficiency of the filtration package with a tailored solution based on the specific well information will maximize success and help ensure environmental compliance when required.

True Series Completion Fluids: Safeguarding Your Assets

Newpark's True Series of completion fluid additives are thoroughly tested and engineered to deliver next-gen performance under rigorous operating conditions.

Viscosifiers and Fluid Loss Control

Included in the True Series product line are a number of viscosifying additives which can be used in various ways, from displacement spacers to solids-free fluid loss control pills.

Cross-linked pills are also offered and provide a robust precross-linked gel structure, eliminating the requirement for specialized blending equipment at the rig site. In applications where solids-free linear pills are not sufficient, pills forming filter cakes are required.

The TrueCarb family of acid-soluble, ground-marble bridging agents provide an efficient, cost-effective solution to mitigate downhole losses. These additives are non-damaging

to formations and manage the risks associated with lost circulation events. The TrueCarb portfolio has a broad range of particle size distributions (PSD) and are designated by the D50 value associated with each product. Examples include TrueCarb 5 and upwards to TrueCarb 1800.

Corrosion Inhibition and Packer Fluids

Corrosion inhibitors, oxygen scavengers, H₂S scavengers and biocides serve to minimize corrosion potential during completion and workover operations. These solutions are primarily recommended when solids-free completion fluids are used as packer fluids.

The True Series of packer fluid additives consists of amine-based corrosion inhibitors, bisulfite-based oxygen scavenger as well as sulphur-free options for use in calcium brines. In addition, Newpark offers a brine soluble H₂S scavenger and a number of biocides for varying applications.



The Port Fourchon Facility II is designed to handle simultaneous loading and offloading operations.

A row of HPHT fluid loss test cells in the Newpark Technology Center laboratory.





Specialty Additives

Emulsion prevention, flocculants and defoamers are also included in the True Series. Emulsion preventers are available for both monovalent and divalent (calcium and zinc-based) completion fluids. Flocculants utilized at the rig site and for brine reclamation can minimize filtering time during the critical displacement phase and also aid in reclaiming used brine for future wells.

Wellbore Cleanup Spacers

For displacements to be successful, certain objectives must be met. The casing should be cleaned of whole drilling fluid, residual materials removed from the wellbore and the subsequent completion fluid should clean up with common filtration practices. To achieve these objectives, careful planning from chemical, hydraulic and mechanical perspectives is required.

Inefficient displacements can lead to excessive non-productive time due to debris left in the well. Operators generally are aligned in recognition that engineered displacements lower operating costs and reduce the risk of failure.

Newpark provides an integrated package of engineered displacement solutions aimed at achieving the efficient and effective delivery of a cleaned wellbore. The chemical spacers used undergo a rigorous test protocol to ensure compatibility between the transition spacer and incumbent fluids as well as the ability of the cleaning spacer to chemically clean the casing and drill pipe.

The use of these innovative chemistries is further optimized by use of sophisticated wellbore cleanup hydraulics software to deliver a robust plan for wellbore cleanup.

Filtration

Filtration is the continual process of removing suspended materials from liquids which can impair the permeability of the formation. In completion fluids, the suspended material can include weighting agents, drilled solids, rust, perforating debris, scale, etc.

Newpark offers a suite of engineered filtration systems to cost effectively achieve clean and minimally damaging completion fluids. This fleet includes high-flow filter press units capable of filtering up to 38 bbl/min which are fully stackable with air-actuated valves controlled from a central console.

The Newpark
Technology Center
in Katy, Texas.





NEWPARK
FLUIDS SYSTEMS

www.newparkdf.com