

Best-in-Class Reservoir Fluids Solutions



The transition from the drilling phase to the completion phase is viewed as a distinct, discrete operation requiring specialized expertise as the reservoir is prepared for completions. Newpark's focus in this area is to help our customers realize the full potential of their reservoir assets through the provision of an array of reservoir focused solutions. Newpark wants to ensure that the reservoir section is successfully drilled and completed through use of products and systems, engineered to protect the reservoir from damage and extend the life of the reservoir asset.

Innovative solutions and performance

Newpark provides innovative reservoir drill-in fluids (RDF), filtercake breakers, highly effective wellbore cleanup spacers and hydraulics software, a comprehensive range of clear-brine fluids, completion fluid additives and filtration solutions. Our solutions are designed to preserve the innate

permeability of the reservoir through the transition from drilling to completion operations.

Key features of our **CleanDrill™** water-based reservoir drill-in fluids (RDF) include: non-damaging to the reservoir interval, robust filtration control and rheological profiles, superior filter cake quality and readily removable filter cakes.

Newpark also offers a complete line of clear brine fluids (CBF), packer fluids, filtration units and additives. The **True** series family of completion fluid additives include products designed for wellbore cleanup, filtration control, viscosity, corrosion inhibition, emulsion prevention, foam prevention and clarification. An example of completion fluid additive solutions is **TrueClean™**, a product based on a concentrated blend of surfactants, solvents and water-wetting agents, designed for use in wellbore cleanup operations



with synthetic based drilling fluids. Another example is **TrueCor™**, a liquid, water-soluble corrosion inhibitor that is formulated to prevent general corrosion on casing, tubing and downhole tools that are in contact with completion brines through use of film-forming amines.

Newpark also recognizes the importance placed on dedicated facilities for clear brine fluids, particularly the large volumes required for deepwater completions. Newpark has made strategic investments in dedicated facilities for drilling and completion fluids on a global basis.

Commitment from drilling to completion

Newpark is fully committed to delivering best-in-class reservoir solutions to our customers. To help achieve this the company has invested in personnel,

equipment, research and development at the Reservoir Services Lab in Katy, Texas.

Formation damage analysis is a critical step for qualifying any RDF and filtercake breaker technology for a reservoir. From porosimeters to a customized core flow tester the Reservoir Services Lab can design and optimize fluid systems for any reservoir application. Starting with understanding the geology of the formation and analyzing the quantifiable aspects of the reservoir's porous nature we can minimize formation damage during the drilling of the reservoir. By developing the filtercake breaker in conjunction with the RDF from the design phase this ensures a thorough and uniform destruction of the filtercake allowing for maximum production or injection. High magnification digital microscope, scanning electron microscopy and x-ray diffraction aid in both the pre and post-test visual and quantitative analysis of the reservoir composition.

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