DEEPWATER AND OFFSHORE WELLS

Out-thinking your deepwater play

Having delivered more than 350 deepwater wells around the world – our team of experts have all the knowledge and fluids expertise to keep your operation one step ahead of the complex requirements of deepwater and offshore well development.

We anticipate the challenges you might face to keep your deepwater operation productive, all the way from drilling to completion. Our portfolio of specialist technologies have been designed to perform in the unique conditions of deepwater wells – while our highly trained fluids specialists are backed by global technical support resources to respond with agility to even the most complex of issues. Giving them all of the tools they need to engineer the optimal solution for your specific well.

We have invested in state-of-the-art deepwater fluids facilities to meet our customers drilling and completion fluids needs.

Access Premium Content

Contact us

Ask A Question +

DEEPWATER AND OFFSHORE DRILLING FLUID SOLUTIONS

High performance. Low environmental impact.

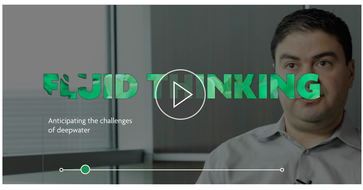
Offshore fluids need to meet some of the most stringent environmental requirements in the world. Without compromising performance. In this, Newpark non-aqueous drilling fluids system and additives are second-to-none.

Success starts with the right strategy. We go to great lengths to fully understand your formation, reservoir and well plan. By using our ClearTrack software, we can model well hydraulics in multiple scenarios to develop the optimal drilling fluid solution and understand how it will perform.

Our deepwater fluids systems are rigorously tested in our product assurance laboratory to provide a flat rheology in low temperature sections near the seafloor and high temperature sections near the bit. Keeping you on-plan with no unscheduled events.

EXPLORE OUR SOLUTIONS TO KEY DEEPWATER AND OFFSHORE TECHNICAL DRILLING CHALLENGES

- Riserless drilling >
- Offshore ballooning >
- Salt formations >
- Lost circulation >
- Shale inhibition >
- Gas hydrates >
- Narrow margin drilling >



Read our latest deepwater and offshore drilling fluid solutions case studies

X-Prima solves high losses in calcium carbonate reservoir below the salts in Nordeste Topi Field.

Read case study >

No sag events experienced once ramping up the pumps after 114 hours static downhole conditions after top drive failure.

Read case study >

Flat rheological profile and low, flat gel strength enabled successful liner run and cementing while exceeding high operator expectations.

Read case study >

X-Prima dewatering squeeze enabled successful wireline log without drag or sticking.

Read case study >

DEEPWATER AND OFFSHORE RESERVOIR FLUID SOLUTIONS

Get your deepwater reservoir over the line. Under pressure.

We're well acclimatized to the unique pressures of deepwater completions. Our team of experts plan and design engineered displacements utilizing our innovative ClearDepth software to accurately model pressures with multiple pumping stages and flow paths including choke, kill, boost lines, and circulating subs.

Our analysis capabilities also encompass the effect of varying operational parameters like pipe rotation, flow rate, and standoff to optimize wellbore cleanup with our innovative reservoir chemistry ORCA for WBM ensuring uniform radial and longitudinal wellbore cleanup. Delivering the cleanest, most productive and financially sound completions possible.

Deepwater completion article >

DISCOVER OUR KEY DEEPWATER AND OFFSHORE RESERVOIR FLUIDS TECHNOLOGIES

- TrueClean displacement spacer train >
- ClearDepth engineered displacement software >
- ORCA uniform mud damage cleanup technology >
- CleanDrill minimally damaging monovalent brine based RDF >

Read our latest deepwater and offshore reservoir fluid solutions case studies

Monovalent Brine-Based Reservoir Drill-In Fluid Successfully Drills Open-Hole Interval for 5.5 Hours at a Rate of 30 ft/min

Read case study >

True Series™ Displacement Chemicals in Ultra- Deepwater Conditions Effectively Clean Wellbore Beyond Operator's Targets

Read case study >

Production increased from 150 barrels of oil per day (bopd) to 500 bopd after the treatment.

Read case study >

Discover the future of deepwater fluids facilities

Our state-of-the-art deepwater supply base at Port Fourchon has been designed with leading HSE and automation capabilities to safely and efficiently supply drilling & completion fluids for the Gulf of Mexico and North Africa deepwater market.

Built with speed and efficiency in mind, the facility offers world-class capabilities that allow quicker turnaround times offshore, providing increased efficiencies and saving operators valuable time. The plant features a salt monorail system as well as Coriolis meters. In January 2019, Newpark has further expanded its Port Fourchon capabilities by opening a second facility, which specializes in completion fluids. The new operation includes state-of-the-art quality controls and precision handling systems to meet customer needs safely and efficiently. Operations at these facilities conform to several recognized management and quality system standards addressing a variety of activities.

Dedicated Deepwater completion and reservoir fluid plant

With its rapid mixing, high-shear capability, 1% bbls completion fluid and 8k bbl reservoir fluid capacity and two load stations with 4" and 6" TODO MATIC connections – our completion and reservoir fluid plant enables us to deliver solutions at scale, at speed.