

NVIROS HIGH-PERFORMANCE WATER-BASED DRILLING FLUID

HIGH-PERFORMANCE DRILLING. SUPERIOR SUSTAINABILITY. IN ONE.

Drill unconventional wells more sustainably,
faster and at lower costs



NEWPARK
FLUIDS SYSTEMS

Optimize drilling performance and sustainability in your unconventional wells

Sustainability and superior drilling performance no longer have to be mutually exclusive. Discover how NviroTM high-performance water-based mud (HPWBM) delivers a lower lateral cost/ft while also boasting an excellent economical and sustainability profile.



Nviro HPWBM is a next generation drilling fluid system, field-proven to be a more sustainable and efficient alternative to oil-based muds in unconventional and extended-reach. At a fraction of the fluids cost.

- Drive superior sustainability standards
- Lessen the amount of waste you send to landfill
- Leverage the benefits of using produced water
- Improve wellbore lubrication for higher ROP
- Reduce drilling time and overall drilling costs
- Cut energy consumption and CO₂ emissions

Build a more sustainable drilling operation with the Newpark service advantage

Creating safe, sustainable, and efficient operations relies on dynamic and trusted partnerships. Our service advantage combines expertise, innovation, and an effective global supply chain to offer all the support you need to anticipate and overcome your drilling challenges.



Drilling fluids expertise

By utilizing specialized instruments, particle-size tests and accurate modeling, our global team of experts can provide custom-formulated fluids – validating fluid performance and providing ongoing technical support throughout drilling operations.



Rising to your fluid needs

By manufacturing and developing our own chemistry, in our own industry-leading laboratories, we have the agility to customize fluids to your exact requirements. And with our global supply chain, we get them to you at pace. Every step along the way.



World-class laboratory network

Bring us your drilling fluids challenges and we'll find the optimum solutions. From stringent R&D, testing and refinement at our dedicated Field Services Lab to driving superior quality assurance in our state-of-the-art Analytical Lab – Newpark Technology Center leaves no stone unturned to deliver the best result for your unique challenges.

Achieve high-performance results in long horizontals

Designed to deliver exceptional performance in unconventional and extended reach drilling applications – Nviros HPWBM leverages an enhanced formulation built upon our industry-leading Evolution® water-based drilling fluid system that incorporates Ntegral™ polymers together with Evolube® G lubricant at 1-2% concentration.

Reduce friction to improve ROP and reach total depth faster

A unique rheology modifier and fluid loss control additive plays a key role in ensuring outstanding performance in freshwater or saturated brines at temperatures of up to 250°F. While ROP enhancing components reduce friction and aid dispersal to enable higher penetration and fewer days to total depth.

Choose a more sustainable alternative to OBM

By sending less waste to landfill, reducing energy consumption, using less barite, taking trucks off the road and generating lower CO₂ emissions – Nviros HPWBM offers a sustainable and cost-effective alternative to traditional OBM solutions. Delivering superior drilling performance at a fraction of the environmental and operational cost.

Maximize profitability, while optimizing performance

As a water-based mud, mixed in the field, Nviros HPWBM also enables you to save on the disposal costs, logistics, base-fluid costs, motor realign fees, and pit cleaning expenses associated with OBM. Allowing you to run a far cleaner and leaner operation that gets you to total depth faster.



How switching to Nviros HPWBM made drilling cleaner, leaner, and faster.

Discover the significant drilling performance, operational, cost and sustainability advantages an Operator in New Mexico achieved across their recent 12-well field trial of Nviros HPWBM compared to OBM.



9.64 tons
reduced
trash haul off



\$82,626
saved
per well in diesel,
barite and trucking



37,773 lbs
saved
of CO₂ per well.
(226,643.33 lbs total)



57.8%
reduction
in energy and
emissions
consumption

Stay one step ahead.

Our pure fluids-focused expertise keeps you ahead of the game by anticipating your challenges to deliver fluids solutions that make your operations more productive, more efficient, and more sustainable.

Total fluids solutions for oil & gas, geothermal and mining operations

- Drilling fluids
- Reservoir fluids
- Stimulation fluids
- Solids control & waste management
- Fluids system additives
- Digital fluids solutions
- Shaker screens



Contact our fluids-focused experts nfs@newpark.com

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