

UNCONVENTIONAL WELLS

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On time. On budget. On plan.

The tight margins associated with unconventional wells demand truly exceptional efficiency. Thankfully, our highly experienced team have all the competency and knowledge you need to keep your operation on plan.

Where efficiency drives can often lead to standardization – our approach is much more adaptable. Anticipating challenges and assessing the properties of each well, right down to the quality of source water, to optimize the impact of fluid systems on operational performance.

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fluid knowledge**
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UNCONVENTIONAL DRILLING SOLUTIONS

Drive efficiencies to reduce drilling days and costs

From long horizontal sections and challenges with torque and drag to problems with wellbore stability, depletion, pump pressure and solids generation – unconventional wells pose a unique combination of challenges.

Our range of Unconventional Drilling Solutions have been engineered to combat a wide variety of conditions commonly encountered with unconventional wells. Utilizing special polymers to overcome challenges such as variable formation mineralogy or extended fluid contact with extreme temperatures in deep hot wellbores.

KEY UNCONVENTIONAL DRILLING SOLUTIONS

[Teros low rheology profile OBM system >](#)

[Evolution WBM >](#)

[Fusion high density brine >](#)

[Navigate direct emulsion fluid >](#)

[Ntegral polymers >](#)

Recent unconventional drilling fluids solutions case studies

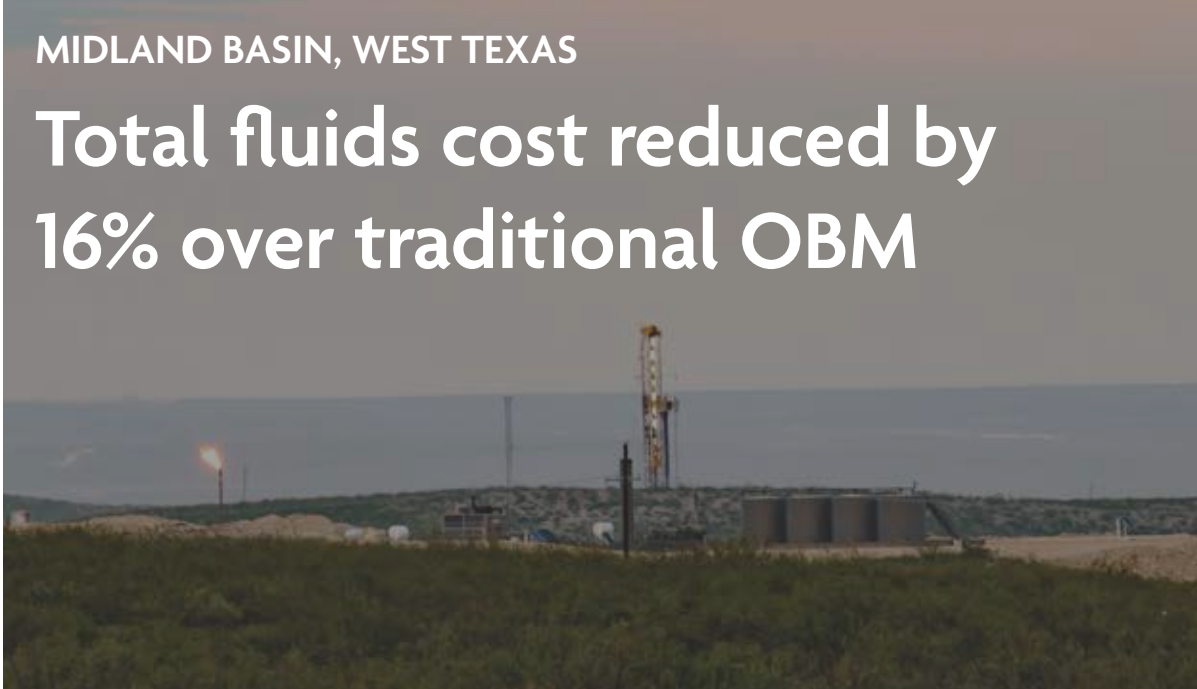


WOLFCAMP SHALE, TEXAS

**11,050 ft production interval
drilled in 8 days**

Evolution Brine Fluid Increases Performance in Wolfcamp Laterals

[Read case study >](#)



MIDLAND BASIN, WEST TEXAS

**Total fluids cost reduced by
16% over traditional OBM**

Evolution Water-Based Mud outperforms Oil-Based Mud and provides cost-and-time savings for operators

[Read case study >](#)

UNCONVENTIONAL STIMULATION SOLUTIONS

Enhance pressure control and proppant distribution

Our unconventional stimulation fluids solutions are engineered to maximize the creation of complex fracture networks and efficiently transport proppant into that network. Optimizing reservoir contact and conductivity to increase your EUR and lower costs.

Newpark's hydraulic fracturing fluids portfolio comprises of a full line of chemical components that can be used to build efficient and non-damaging slickwater or gelled frac fluids in field waters of ranging salinities – from freshwater to extremely high Total Dissolved Solids (TDS) brines (up to 300K TDS).

Our stimulation solutions also contain high viscosity friction reducers (HVFRs) that can transport higher loadings of proppant compared to standard friction reducers (FRs) at low treatment dosages. These provide an alternative to more damaging guar based fluids.

KEY UNCONVENTIONAL STIMULATION SOLUTIONS

[Hydraulic fracturing fluids >](#)

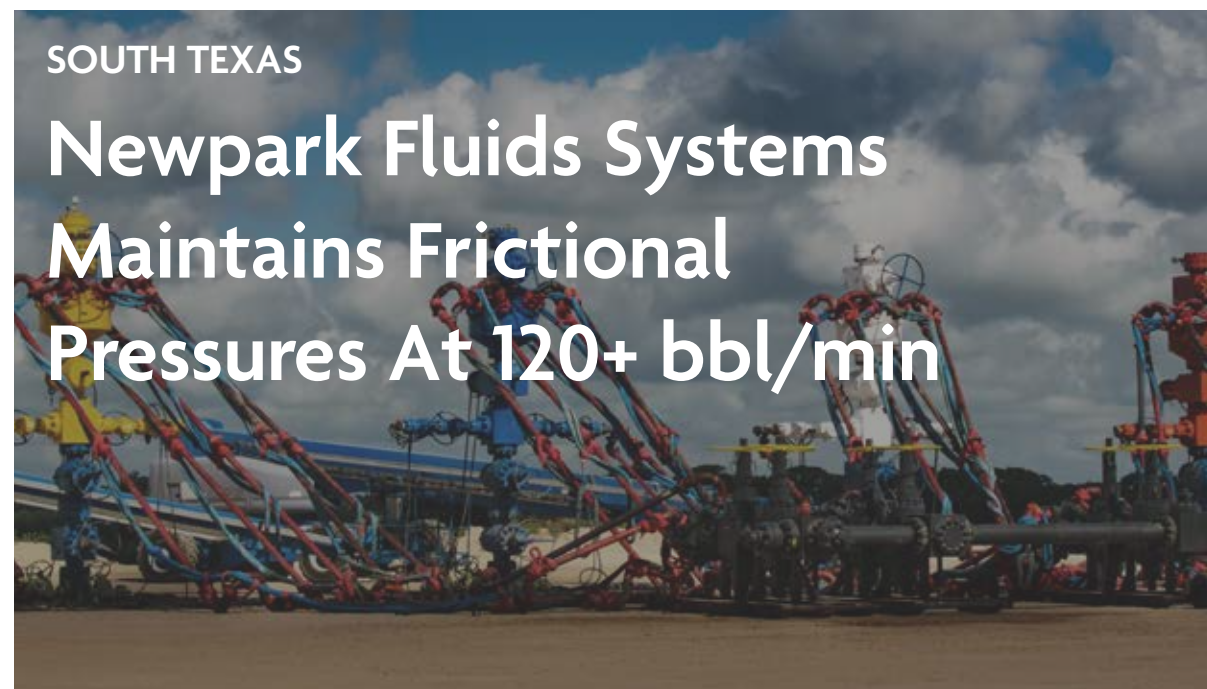
[NewStim FR 824 High Brine HVFR >](#)

[NewStim FR 715 High Rate \(~120 bbl/min\) FR>](#)

[NewStim FR 803 Self-Breaking HVFR >](#)

[NewStim GLS Guar-Based Fluid >](#)

Unconventional stimulation fluids solutions case studies



SOUTH TEXAS

**Newpark Fluids Systems
Maintains Frictional
Pressures At 120+
bbl/min**

High Pumping Rates Required for Efficient Placement of Proppant into Longer Laterals Require Engineered High-Shear Resistant Friction Reducers

[Read case study >](#)



WEST TEXAS

**High Viscosity Friction Reducer
Successfully Replaces 100 Mesh
with Larger 40/70 Proppant,
Leading to Higher Conductivity
Fractures**

Larger mesh proppants lead to higher conductivity and better production; this has spurred the need for the next evolution in High-Viscosity Friction Reducers

[Read case study >](#)

Our fluids-focus and dedication to service give you a performance advantage

[More on Newpark Service Advantage >](#)



Discover more about our solutions to other technical challenges



Deepwater and offshore wells

The experience and expertise to keep you one step ahead of complex requirements.

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Critical wells

Stay ahead of the challenges in reactive shales and HPHT formations.

[Read more >](#)



Lost circulation wells

Reduce drilling time and cost. Avoid the cost of lost fluid and circulation.

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