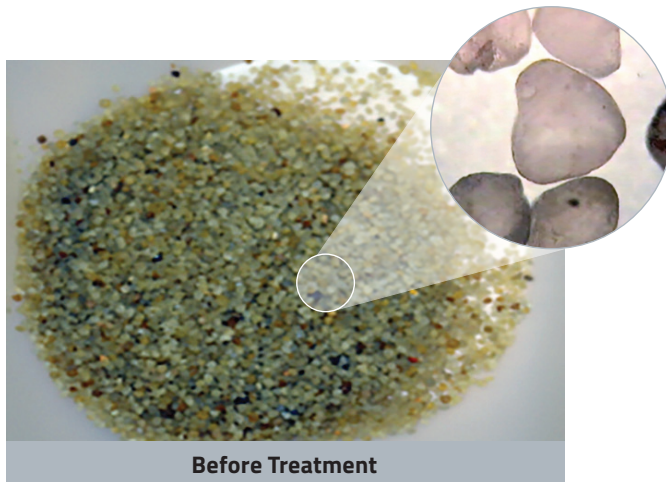


SANDSTAY™ PROPPANT-RETAINING AGENTS

Innovative chemistry to control proppant flowback and reduce overall completion costs.

After completing a stimulation treatment, proppant flowback can create many problems in the wellbore and at the surface – especially in the early stages of well production. Loose proppant in the wellbore can compromise fracture geometry, reduce fracture conductivity, and cause damage to artificial-lift and surface equipment. Resin-coated proppant provides an effective solution to this challenge, but its high cost detracts greatly from the overall value it provides.

NexTier’s SandStay technology offers a cost-effective alternative that mitigates excessive proppant flowback and improves operational efficiency. Available in three formulations to accommodate a broad range of downhole temperatures, this technology uses a unique, engineered chemistry to reduce fines migration and retain proppant in the fracture. The treatment is applied on the fly, using a standard liquid-additive pump. Once proppant is placed in the fracture, the proppant grains will agglomerate, forming a conductive, cohesive proppant pack that resists flowback.



SandStay NPC-1

This proprietary proppant-control system is designed to treat proppant in reservoirs with bottomhole temperatures below 120°F.

SandStay NPC-2

Another proppant-control system that is proprietary to NexTier, our NPC-2 formulation is designed to treat proppant in reservoirs with bottomhole temperatures ranging from 120 to 200°F.

SandStay NPC-3

This robust formulation is designed to treat proppant in reservoirs with bottomhole temperatures above 200°F and up to 350°F.

Features and Benefits

- Cost-effective alternative to resin-coated proppant
- Holds proppant in place
- Minimizes migration of fines
- Effective in a wide range of bottomhole temperatures
- Applied on the fly, which enables dynamic design changes
- Compatible with all common fracture-fluid systems
- Effective with most proppant sizes and types, including local sands and ceramics

To reliably and cost-effectively mitigate proppant flowback, contact our engineering team at NexEngineering@NexTierOFS.com.