



IntegraGuard™ Family of Spacers

SPACER PRODUCTS AND SYSTEMS

OVERVIEW

The IntegraGuard family includes efficient and cost-effective spacer systems to improve mud removal and displacement. They have been carefully engineered for safe, easy application and consistent, reliable results. They are well-proven in a variety of applications including vertical, deviated and horizontal wells.

PRODUCT FAMILY

INTEGRAGUARD ULTRA

An economical and versatile weighted-cement spacer system, providing mud removal and wellbore cleaning in preparation for routine cementing operations. This spacer is effective in a wide range of well temperatures up to 350°F (177°C).

INTEGRAGUARD RHEO

A cement spacer system with engineered viscosity that provides optimal conditions for cement placement. This water-based spacer enhances effective mud removal by providing adequate friction pressure and improving mud/spacer/cement compatibilities, helping to improve the cement bond.

INTEGRAGUARD MULTI

A cost-effective scavenger spacer that enables recovery of large volumes of costly oil-based and synthetic drilling muds during primary cementing operations. Applicable in vertical, highly-deviated and horizontal wells, it has been highly effective in shale plays across the U.S. by saving operators tens of thousands of dollars. They are custom engineered to provide the required fluid stability, friction pressure and density hierarchy for well control and fluid displacement.

INTEGRAGUARD STAR

A unique cement spacer system that reduces fluid invasion and mitigates lost circulation in fragile and fractured formations. Engineered particulates create a barrier at the formation face, effectively strengthening the wellbore, minimizing fluid loss and sealing paths. It can be used to replace multistage cementing jobs with a single stage, saving rig time and money.