Vanguard® 1000 LCM System

Wellbore instability is caused by depleted zones or weak formations. If not addressed properly prior to the drilling phase, this instability can cause expensive issues throughout the life of the well. For years, Innospec Oilfield Services (IOFS) has promoted a preventative approach to developing cost-effective solutions specifically designed to proactively treat depleted or weak formations by sealing areas that can potentially breakdown.

Introducing Vanguard-1000, the latest proprietary LCM System from Innospec

In early tests, Vanguard 1000 is proven to increase wellbore integrity where formations are unstable or weak. In carbonate formations, Vanguard 1000 decreases spurt loss; therefore it quickly seals in these weak areas to form a thin less permeable filtercake to protect from pressure influx.

Compatible with all drill mud types, Vanguard 1000 is formulated with superior particle integrity and does not break down under pressure or stress. Vanguard 1000 is has extreme tensile strength and compressive resiliency intended to not only withstand the high differential pressures from the surging and swabbing, but also the pulverizing effect from the tools.

At concentrations ranges of 4 to 8 ppg, Vanguard 1000 allows operators to drill safely with mud densities greater than the fracture initiation pressure. Available in 25 lb bags – 48 sack per pallet.

Advantages

- Seals up to 500 µm fractures at high differential pressure
- Retains 70 to 80% in circulating system with 80 mesh screens
- Environmentally compliant for use in all North America
- Eliminates differential sticking in high permeable formations
- Does not shear degrade and has a broad particle size distribution
- High temperature stability >400°F
About Innospec Oilfield Services (IOFS)

An integral part of Innospec (NASDAQ: IOSP), Innospec Oilfield Services (IOFS) is headquartered in Englewood, Colorado. The company’s presence in North America is a highly focused one: Delivering the best possible chemical technologies and superior efficiencies along with the superior level of service vital to support drilling, completions, and production projects in all major U.S. oil and gas basins.

Founded in 1938, Innospec Inc. has evolved into a leading international specialty chemicals company with approximately 1,300 employees operating in 20 countries. Innospec has major regional centers in the U.S., UK and Singapore, with production plants located in countries including the U.S., UK, France, Germany, and the Philippines.

Innospec manufactures and supplies a wide range of specialty chemicals to markets in the Americas, Europe, the Middle East, Africa, and Asia-Pacific. In addition to designing, formulating, and producing oilfield chemicals for drilling, completions, and production applications, the company’s other business segments are Fuel Specialties, Performance Chemicals and Octane Additives.

Contact Innospec Oilfield Services

For more information on how the Innospec Oilfield Services team can work for you, please, contact your regional IOFS sales office, or visit us online at www.innospecinc.com.