Halliburton Delivers Improved Aqueous-Based Conductivity Enhancement System with SandWedge® ABC Enhancer

Technology Advancement Provides HSE and Operational Benefits for Primary and Remedial Treatments

HOUSTON – Feb. 16, 2012 – Halliburton’s continuous research focused on achieving highly conductive fractures has resulted in a new aqueous-based version of the SandWedge® conductivity enhancement system. The new version delivers all the benefits of Halliburton’s proprietary conductivity enhancement technology and adds improved health, safety and environmental (HSE) performance with more operational efficiency, versatility and reliability. The aqueous-based system also enables important applications in remedial treatments.

Since the technology is aqueous-based, it can be added directly to water-based treating fluids. This means it is now possible to better maintain initial productivity with pre-treatment or with remedial treatment to help control further damage caused by fines invasion and migration in existing propped fractures.

The aqueous-based carrier system enables SandWedge ABC enhancer to be used as part of the fracturing fluid system. In addition, the improved technology:

- Helps maintain a high production rate for a longer period of time
- Enhances frac fluid cleanup
- Is highly effective in both hard-rock and unconsolidated formations for primary or remedial applications
- Minimizes premature proppant settling due to proppant grains adhering to the formation face
- Enables treatment of existing proppant packs to help prevent further damage caused by fines invasion
- Inhibits adverse geochemical precipitates to reduce the effects of diagenesis
- Inhibits scale formation in treated proppant packs

With SandWedge ABC enhancer, the onset of tackiness is delayed, which means that the mixing equipment does not become coated with sticky material. This eliminates the need for special solvents on location, reducing environmental exposure. In addition, the coating process is improved, resulting in more uniformly coated proppant. SandWedge ABC enhancer can be used to treat most wells, from low temperatures to more than 450°F (232°C), to provide improved and sustained fracture conductivity.

About Halliburton
Founded in 1919, Halliburton is one of the world’s largest providers of products and services to the energy industry. With nearly 70,000 employees in
approximately 80 countries, the company serves the upstream oil and gas industry throughout the life cycle of the reservoir – from locating hydrocarbons and managing geological data, to drilling and formation evaluation, well construction and completion, and optimizing production through the life of the field. Visit the company’s website at www.Halliburton.com.

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