

D600G GASBLOK

Gas migration control additive for intermediate temperatures

APPLICATIONS

- Control of severe annular gas migration during medium-temperature primary and remedial cementing
- Wells with a narrow window between pore and fracture pressure

BENEFITS

- Reduced HSE risk during cement placement

FEATURES

- Compatible with CemCRETE* concrete-based oilwell cementing technology, FlexSTONE* advanced flexible cement technology, and standard Schlumberger cement additives
- Easy pumping due to low rheology, resulting in reduced cement slurry friction loss
- Formation of low-permeability plastic film that prevents gas movement
- Improved cement bonding to formation and casing
- Excellent fluid loss control

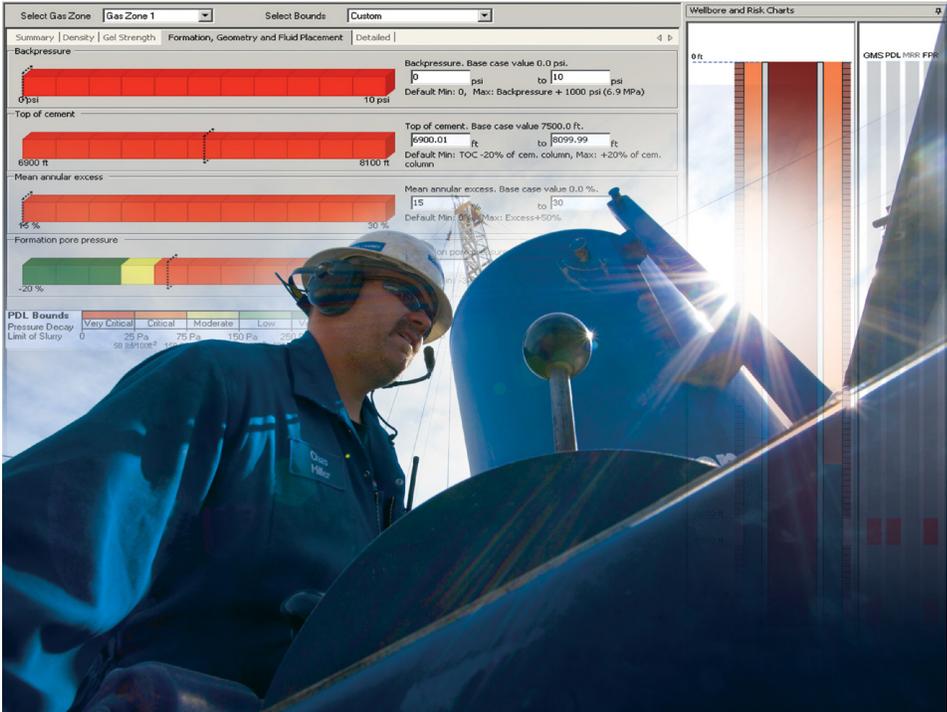
D600G GASBLOK* gas migration control additive creates an impermeable barrier that prevents annular gas migration into cement slurry during the critical hydration period.

The additive is an aqueous dispersion of latex particles with surfactants that improve dispersion and add stability. When formation gas enters the cement slurry, the latex particles coalesce to form a coherent, low-permeability plastic film that blocks further migration into the cement.

The additive also controls gas migration by improving the cement bond to the casing and formation interfaces. Moreover, it creates a thin, low-permeability filtercake to reduce fluid loss from the cement slurry.

The appropriate concentration of D600G GASBLOK additive needed to block gas migration depends on bottomhole circulating temperature (BHCT) and slurry solid volume fraction. Applications can be designed using freshwater or seawater.

The additive can be used at BHCTs from 150 to 300 degF [66 to 149 degC] and in slurries with densities ranging from 8 to 23 lbm/galUS [960 to 2,760 kg/m³].



D600G GASBLOK additive can be used in freshwater or saltwater from 150 to 350 degF [66 to 149 degC].

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