WellLife® 1094 Additive

WellLife® 1094 additive is designed to address mixability while conveying enhanced mechanical properties to cement. WellLife 1094 additive helps to enhance the tensile strength of the cement system into which it is blended. Additionally, this additive can be used to address lost circulation.

WellLife 1094 additive is a hydrophilic polyolefin fiber that can be characterized as a three-dimensional fiber that is short in length with a relatively large diameter. As such, it resists agglomeration and is readily dispersible in a dry blend material or easily mixed into a slurry or mixing water, achieving the necessary uniform dispersion for consistency.

The dimensional properties of the individual fibers help convey long-term performance advantages for improved cement performance. Compressive and tensile strength are particularly important to withstand cumulative stresses from load-inducing events that require cohesion, toughness and durability in order for the sheath to retain zonal isolation integrity. This additive is thermally stable and has been tested to 275°F (135°C).

Substantial stresses to the cement sheath may be derived from pressure and well testing, injection and fracture-stimulation treatments, thermal effects, production cycling, and changes in the surrounding formation. Unless the cement sheath is designed to withstand these stresses, wellbore integrity may be compromised. The result may be a loss of production, production of unwanted fluids, and/or costly remediation.

WellLife 1094 additive can increase resiliency of the cement sheath to help maximize production and minimize operating costs over the life of the well.

As an additive in the WellLife® family of additives, WellLife 1094 additive is part of the WellLife® III Cementing Service. The WellLife® III cementing service is an analytical, proactive and intervention-less zonal isolation solution to extend wells’ economic life.

For more information on WellLife® 1094 additive, please call your local Halliburton representative or email us at cementing@halliburton.com.

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