

Halad[®]-344

Fluid Loss Additive

Halad[®]-344 fluid-loss additive is especially useful in lightweight cementing compositions that often have long thickening times. The material is nonretarding, thus making good compressive strength development possible at low temperatures. Halad-344 additive performs as well in seawater as in fresh water, and is compatible with retarders, dispersants, and calcium chloride (CaCl₂).

Features

Halad-344 additive has no temperature limitations. Laboratory testing has shown that it is effective at 400°F or higher. Other features can include the following:

- Excellent fluid-loss control is available with very low concentrations of Halad-344 additive.
- Halad-344 additive is relatively salt-tolerant, which can make it effective with up to 18% salt in a variety of cement compositions.

Benefits

Halad-344 additive can provide the following benefits associated with low fluid loss in squeeze-cementing and primary cementing jobs.

Squeeze Cementing. In squeeze-cementing jobs, Halad-344 additive offers the following advantages:

- It helps reduce premature dehydration in tubing and casing while squeezing perforations.
- Long perforated intervals can often be successfully squeezed in a single stage.
- Satisfactory squeeze results can be obtained at low pressures without overdisplacement.
- The additive helps protect water-sensitive shale sections that may weaken and break down because of cement filtrate.
- Halad-344 additive helps reduce the amount of filtrate that can penetrate formations containing bentonite clays.

Halad[®]-344 Additive—Product Specifications

Part No.	100003670	Bulk Density	26.00 lb/ft³
Form	White to off-white solid powder	Packaging	50-lb sack
Specific Gravity	1.220		

Primary Cementing. Halad®-344 additive helps provide the following benefits during primary cementing jobs:

- It can lessen the possibilities of water and/ or emulsion blocks, and blocks caused by bentonitic clay swelling resulting from cement filtrate.
- Halad-344 additive helps protect water-sensitive shales, and can reduce premature bridging in annuli, which may be caused by dehydration.
- It also helps reduce loss of water from slurry, thus maintaining lower viscosities and circulating pressures.
- Halad-344 additive helps control gas leakage while cement is setting.

For more information on the benefits Halad®-344 Fluid Loss Additive can bring to your cementing operations, contact your local Halliburton representative.

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