



CA-FL13L

HIGH TEMPERATURE LIQUID FLUID LOSS ADDITIVE

DESCRIPTION

CA-FL13L is a high temperature cement liquid fluid-loss additive that should be used with Messina's friction reducer/dispersant CA-FR3P or CA-FR3L.

Appearance	Transparent , Viscous Liquid
Specific Gravity	1.06 (H2O=1)

APPLICATION

CA-FL13L is a superior filtrate reducer for cements when used with an effective dispersant such as Messina's CA-FR3P or FR3L. The dispersant is especially necessary at higher CA-FL13L loadings due to cement slurry viscosity increases. CA-FL13L is applicable in wells having BHCT's up to 400° F (204° C).

CA-FL13L can be used with all API cements and is compatible with normal lost circulation and weighting materials. Accelerators such as sodium chloride will not dramatically impair the performance of CA-FL13L as long as the maximum amount of sodium chloride does not exceed 10%. Calcium chloride should not be used with CA-FL13L.

RECOMMENDED TREATMENT

CA-FL13L, being a very viscous fluid, must be evenly distributed in the mix water. This can be accomplished by adding the proper amount of CA-FL13L to the mix water as it is being circulated through the mixer or add the product slowly to the mix water using continuous agitation.

Generally, the concentration of CA-FL13L required will vary between 0.25 to 0.75 gallons per sack (94 lb) of cement. The concentration of dispersant should be 0.5 to 1.0 percent by weight of cement. Tests should be conducted to determine the exact concentration to achieve the desired properties.

Messina's technical staff and facilities are available if additional information, evaluations, etc, are required.

PACKAGING

CA-FL13L is normally packaged in 5 gallon buckets or 55 gallon drums.