Cement Spacer

ACS - 101

Application

(ACS - 101) is designed for separating cement slurries and water-based drilling mud. It is also designed to be compatible with both fluids. The main advantage of spacer is the very good fluid loss control at low and high temperatures. The filter cake which is formed helps to greatly reduce the fluid leak-off into the formations where the mud cake has been mechanically removed by centralizers or scratchers. The spacer should be denser and more viscous than the mud but lighter and less viscous than the cement slurry. **(ACS - 101)** spacer can be displaced in laminar or turbulent flow depending on the temperature and pipe configuration. A minimum of 500 ft. of annular fill of spacer should normally be used ahead of the cement, and pipe movement should be attempted where possible to help achieve maximum mud removal.

Recommended concentration:

The recommended concentration is 5 – 20 lb per bbl of spacer fluid, depending on weighting agent type and conditions and also density of spacer fluid .

Temperature range:

This additive can be used up to 300 °F

Physical and Chemical Properties

Item	Physical and Chemical Properties	
1	Appearance	Light Tan powder
2	Odor	None
3	Solubility in water	Insoluble

Safety Precautions

It is irritant. Avoid inhalation. It is recommended to wear mask and goggles during handling.

packaging

It is available in 25-kg sacks.