N-VIS® HI PLUS

VISCOSIFIER

Product Description

N-VIS® HI PLUS viscosifier is a mixed-metal hydroxide complex that increases the yield of AQUAGEL GOLD SEAL® viscosifier. N-VIS HI PLUS viscosifier is only suitable for use in freshwater in conjunction with Bentonite viscosifiers. Depending on the quality of the Bentonite, N-VIS HI PLUS viscosifier is used at a rate of approximately 10-12 : 1 ppb of Bentonite to N-VIS HI PLUS viscosifier. It is used in the MAXDRIL-N® fluid system where it effectively reduces the amount of AQUAGEL GOLD SEAL viscosifier needed to provide hole-cleaning capabilities. N-VIS HI PLUS viscosifier is also valuable for use in milling operations where local high fluid temperatures can break down polymer viscosifiers and Bentonite extenders. Compared to N-VIS HI viscosifier, N-VIS HI PLUS viscosifier typically gives improved low shear rheology performance.

Applications/Functions

» Helps maintain excellent hole-cleaning during milling operations
» Helps remove large cuttings or formation pieces from drilling rubble or fractured zones
» Can be formulated in freshwater, seawater, sodium chloride brine (up to 20%) and Calcium chloride brine (Up to 10%)

Advantages

» Helps provide high yield points and high low shear rheological properties
» Helps provide equivalent shale stability to mixed metal silicate

Typical Properties

» Appearance: Free flowing off-white powder

Recommended Treatment

Add 0.9 lb/bbl (2.6 kg/m³) to a fluid containing 9 lb/bbl (25.7 kg/m³) pre-hydrated AQUAGEL GOLD SEAL viscosifier. Note that N-VIS HI PLUS viscosifier should not be used with lower quality treated bentonites. For optimum results the pH should be raised using sodium hydroxide to 10 – 11. Lime or BARABUF® pH stabilizer should not be used for pH adjustment. Do not treat fluids containing N-VIS HI PLUS viscosifier with anionic polymers as these will destroy the viscosity. Build fluid in freshwater and then add any brine salts required.

Packaging

N-VIS HI PLUS viscosifier is packaged in 25-lb (11.3-kg) sacks.
Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.