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Technology & Applications

The present invention relates to a drilling fluid formulation for use in drilling fluid applications and operations. The drilling fluid formulation comprising a base mud selected from a water-based mud, and a combination of fluid loss control additives comprising graphene oxide and a compound of modified starch.

Advantages

Enhancing and stabilizing rheology properties of product.

Decreasing the formation thickness of mud cake- decrease in amount of fluid loss

Increase in thermal properties of CMC and CMSS with addition of graphene: 300 – 325 °C.

Market Size

Intellectual Property

PI2019006165 Graphene-CMSS Based Fluid Loss Control Additive for Drilling Fluid Application

Inventors

Dr. Sonny Irawan, Dr. Syahrir Ridha and Agus Sahar bin Abdul Hamid

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