

Drilling Fluids Technology



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By

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Abstract

The drilling fluids are a set of chemicals which is responsible to ensure smooth drilling and to give information about subsurface lithology in form of cuttings. Parameters for drilling fluids should be kept in range and monitored strictly to ensure smooth operation. Recommending a drilling fluid system should be based on the ability of the fluids to achieve the essential functions and to minimize anticipated well problems. Although the functions discussed may provide guidelines for mud selection, they should not be the sole basis for selecting a drilling fluid for a well. The selection process must be founded on a wide experience base. Drilling fluids cost (economics is considered while choosing the drilling fluid system, but besides economics the quality of the service should also be considered as that will be much more effective in long run operations also from economic point of view. Solid control equipments all great influence to the mud. Health, Safety and Environment should be the first priority, regulations should be follow.