

QFREE

Description

QFREE is a proprietary blend of lubricants, wetting agents and gellants used as pipe freeing agent to reduce or eliminate the differential sticking.

Applications

QFREE allows the preparation of a spotting fluid simply by the addition of the weighting agent (barite). Special handling or mixing of QFREE is not necessary and it is possible to quickly achieve the required density. It is compatible with most mud systems.

QFREE dehydrates the mud cake, allowing the penetration of the spotting fluid, the oil wetting agents, and lubrication for the drill string. QFREE should be used as soon as the stuck pipe will occur to avoid expensive fishing operations.

Features and Benefits

- Contains no hydrocarbons
- Compatible with OBM and WBM
- Can be incorporated into the mud system
- Easy to prepare
- Can be used for weighted and unweighted spotting fluids

Typical Properties

Appearance	Liquid
Color	Dark cream
Specific Gravity	0.88 – 0.94
Flash Point (closed cup)	> 65°C
Boiling Point	159 – 205°C

Recommended Treatment

When QFREE is used as a spotting fluid, prepare a pill volume that is sufficient to more than fill the annulus for the entire, suspected stuck zone. Treatment should last a minimum of two hours with concurrent movement of the drill string. Concentrations recommended are 5 V% (50 L/m³) in unweighted drilling fluids, and 30 V% (300 L/m³) in systems for fluids with densities of 11.7 – 14.2 ppg (1.40 to 1.70 g/cc).

Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

Packaging

QFREE is available in 55 gal (207 l) drums.

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