N-DRIL™ HT PLUS™

FILTRATION CONTROL ADDITIVE

Product Description

N-DRIL™ HT PLUS™ filtration control additive is a cross-linked starch product intended for reducing HTHP filtrate loss for water based fluids, particularly in reservoir sections. N-DRIL HT PLUS filtration control additive is suitable for use in all water-based fluids including drilling, completion, and work-over fluids. It has minimal damage characteristics and is readily removed with acid or N-FLOW™ delayed acid generators. When used with oxygen scavengers or within formate brines, N-DRIL HT PLUS filtration control additive is effective up to 300°F (149°C).

Applications/Functions

N-DRIL HT PLUS filtration control additive, when used with properly sized bridging/weighting particles, can:

» Provide filtration control
» Minimize damage to the productive formation

Advantages

» Suitable for all water-based drilling fluids, workover and completions fluids including: sea water, potassium chloride, magnesium chloride, sodium chloride, sodium bromide, calcium bromide, and zinc bromide.
» Resists calcium contamination over a wide pH range
» Soluble in acids and oxidizers
» Cleans up readily following drilling, workover, or completion operations
» Environmentally responsible, presenting no toxicity or ecological problems

Typical Properties

» Appearance: White, free-flowing powder
» Specific Gravity: 1.5

Recommended Treatment

Disperse N-DRIL HT PLUS filtration control additive through conventional mud mixing equipment.

Concentrations range from 3-9 lb/bbl (9 - 26 kg/m³).

Packaging

N-DRIL HT PLUS filtration control additive is packaged in 50-lb (22.7-kg) sacks.