

DRILCON™ DS

THE D-FINITIVE SOLUTION TO REACTIVE SHALES AND CLAYS

DRILCON™ DS is a blend of non-ionic and anionic surface-active agents designed to reduce interfacial tension between water, solids, and clays in water based drilling fluids.

PERFORMANCE FACT!

Before DRILCON™ DS

The operator was drilling with a balled PDC bit. For days they had been running two (2) soap sticks every connection and nut plug in unsuccessful attempts to clean and un-ball the bit. Average ROP while drilling 7-10 feet/hr

Average ROP while sliding 2-4 feet/hr

After DRILCON™ DS

ROP increased to ~40 feet/hr while rotating and ~15-20 feet/hr while sliding. ROP was controlled while sliding. No further bit balling was experienced and casing ran to bottom without incident.

Advantages and Benefits

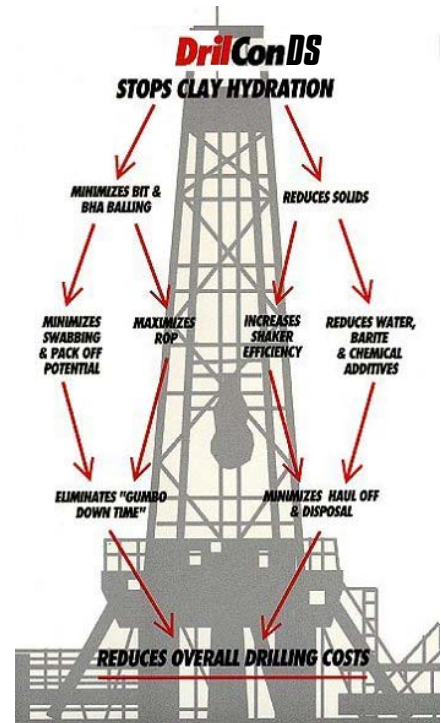
- ◆ Minimizes the hydration of shales, clays, and formation solids
- ◆ Reduces bit and BHA balling
- ◆ Reduces solids and ultra fine solids build up
- ◆ Increases shale shaker efficiency
- ◆ Minimizes haul off and disposal
- ◆ Minimizes *gumbo* downtime
- ◆ Maximizes ROP
- ◆ Reduces swab and surge potential
- ◆ Does not adversely affect mud system LC₅₀

Physical Properties

- ◆ Form: Liquid/no scent to mild odor
- ◆ Color: Red
- ◆ Density: 8.3 ppg (996.6 kg/m³)

Packaging

- ◆ 55-gallon (208 L) drums,
- ◆ 550-gallon (2080 L) bulk containers & disposable tote tanks



Application & Mixing

Recommendation

- ◆ Maintain 1% by volume while drilling gumbo type or highly reactive clays
Add continuously to pump suction
- ◆ Running casing in reactive formations
1 – 55 (208 L) gallon drum per
50 bbls (7.9 m³) drilling fluid



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