



**Greenwell's proprietary blend of "green", high temperature lubricants are modified with nanoparticle technology to provide superior protection from fatigue, wear and corrosion, as well as aid in cooling drill bits and preventing bit balling.**

Quick Drill performs as a shale stabilizer that helps lower the coefficient of friction in both water- and oil-based fluid systems where dosage ranges of 0.5-3.0% by volume are applied. It shows no sign of degradation or loss of performance in temperatures up to 500°F.

However, its enhanced lubrication properties do not end downhole. It also provides significantly quieter and smoother running pumps, which extends the life of the fluid ends and other components.

### Advantages of Additives

The addition of a high performance, non-foaming surfactant, corrosion inhibitor and self-activating gellant:

- Reduces metal-to-metal and metal-to-rock wear
- Lowers drag and friction
- Extends drill string, casing and surface equipment life
- Enhances cuttings removal

### Physical Properties

<b>Appearance:</b>	Brown to Black
<b>Odor:</b>	Characteristic
<b>Physical State:</b>	Liquid
<b>Solubility:</b>	Insoluble
<b>pH (as is):</b>	6.0-8.0
<b>Specific Gravity:</b>	1.00-1.10

### Handling and Storage

*Provide ventilation. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.*

#### Quick Drill's Ability to Reduce Metal-to-Metal & Metal-to-Rock Wear, Drag

Weight % Lube-HT in System	Coefficient of Friction
0.00	0.340
0.50	0.050
0.75	0.040
1.00	0.030
2.00	0.020
3.00	0.015



**GREENWELL**  
ENERGY SOLUTIONS

**Impacting Efficiency™**

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