



QUIK-GEL[®]

Viscosifier and Gellant

Sch. B- 2508.10.0000

THE *Original* DRILLING FLUIDS COMPANY.

Description

QUIK-GEL is an easy-to-mix, finely ground, premium-grade, high-yielding Wyoming sodium bentonite. QUIK-GEL provides viscosity, fluid loss control and gelling characteristics to freshwater-based drilling fluids.

Applications/Functions

- Viscosify water-based drilling fluids
- Form a thin, low permeability filter cake to reduce fluid loss
- Reduce water seepage into permeable formations
- Improve hole-cleaning ability of drilling fluids
- Provide lubricity for drilling fluids
- Mix with fresh water to form a low-solids drilling fluid for general drilling applications
- Mix with foaming agents to make "gel/foam" drilling fluids for air/foam drilling applications

Advantages

- Single-sack product and cost effective
- Mixes easily and quickly reaches maximum viscosity
- Non-fermenting and non-toxic, suitable for environmental exploration drilling and in drilling potable water wells
- Yields more than twice as much mud of the same viscosity as an equal weight of API oilfield grades of bentonite

Typical Properties

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|------------------------------------|------------------------|
| • Appearance | tan powder |
| • Bulk density, lb/ft ³ | 68 to 72 (as packaged) |
| • pH (3% solution) | 8.9 |
| • Yield, bbl/ton | >235 |

Recommended Treatment

- Add QUIK-GEL slowly through a jet mixer or sift into the vortex of a high-speed stirrer.
- As a general purpose drilling fluid, add 15-25 lb QUIK-GEL per 100 gallons of fresh water. In gravel or poorly consolidated formations, add 35-50 lb QUIK-GEL per 100 gallons of fresh water.
- To make up gel/foam systems, add 12-15 lb QUIK-GEL per 100 gallons of fresh water before adding foaming agents.