

# Quik-Gel®

## Category: Drilling fluids

### Viscosifier

QUIK-GEL® is an easy-to-mix, finely ground (200-mesh), premium-grade, high-yielding Wyoming sodium bentonite. QUIK-GEL® imparts viscosity, fluid loss control and gelling characteristics to freshwater-based drilling fluids.

### Applications/Functions

- Mix with fresh water to form a low-solids drilling fluid for general drilling applications
- Viscosify water-based drilling fluids
- Reduce filtration by forming a thin filter cake with low permeability
- Improve hole-cleaning capability of drilling fluids
- Mix with foaming agents to make “gel/foam” drilling fluids for air/foam drilling applications

### Advantages

- NSF/ANSI Standard 60 certified
- Single-sack product and cost effective
- Provides lubricity for drilling fluids
- Mixes easily and quickly reaches maximum viscosity
- Yields more than twice as much mud of the same viscosity as an equal weight of API oilfield grades of bentonite

### Recommended Treatment

Mix slowly through a jet mixer or sift slowly into the vortex of a high-speed stirrer.

Approximate Amounts of QUIK-GEL® Added to Freshwater.

Application/Desire result	lb/100 gal	lb/bbl	Kg/m <sup>3</sup>
Normal Drilling Conditions	15-25	6-10	18-30
Unconsolidated Formations	35-50	15-21	42-60
Make-Up for Gel/Foam Systems	12-15	5-7	14-18

1 bbl = 42 U.S. gallons.

### Notes

- For optimum yield, pre-treat make-up water with 1 - 2 pounds of soda ash per 100 gallons of water (1.2 - 2.4 kg/m<sup>3</sup>).



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