

Barite

Weighting Agent

Description

Barite weighting agent, ground barium sulfate, meets the API Specification 13A, Section 2, for drilling fluid barite. Barite weighting agent can be used to increase densities of oil-based and water-based drilling fluids to 21 lb/gal (2516 kg/m³).

Applications/functions

- Increase mud density up to 21 lb/gal (2516 kg/m³)
- Control formation pressures
- Stabilize the borehole
- Prepare solids-laden plugs for well control applications

Advantages

- Is the industry standard weighting agent for drilling fluids
- Is chemically inert
- Cost-effective weighting agent

Typical properties

- Appearance Powder
- Specific gravity 4,20 (minimum)

Recommended treatment

Use the following weight-up formulas to determine the appropriate concentrations to be added to the system

- For 1 bbl starting volume
 $X = 1470 (W_f - W_i) / (35 - W_f)$
- For 1 bbl final volume
 $X = 1470 (W_f - W_i) / (35 - W_i)$
- Where:
X = BAROID required, lb/bbl
W_i = Initial mud weight, lb/gal
W_f = Final desired mud weight, lb/gal

Package

Barite is packaged in 1500 kg sacks and in bulk.
