

Title (en)

INCREASED RATE OF PENETRATION FROM LOW RHEOLOGY WELLBORE FLUIDS

Title (de)

ERHÖHTE PENETRATIONSGESCHWINDIGKEIT RHEOLOGISCH FLACHPROFILIERTER BOHRSPÜLMITTEL

Title (fr)

VITESSE ACCRUE DE PÉNÉTRATION DE FLUIDES DE Puits DE FORAGE À FAIBLE RHÉOLOGIE

Publication

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Application

EP 07798639 A 20070615

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Abstract (en)

[origin: WO2008033592A1] A method of increasing a rate of penetration when drilling as compared to drilling with a baseline drilling fluid comprising an API-grade barite weighting agent and having a given sag, settling rate, density, flow rate, and pressure drop through a wellbore, comprising: circulating a drilling fluid comprising a base fluid and a micronized weighting agent through the wellbore; wherein the drilling fluid is characterized as having an equivalent density, an equivalent or lower settling rate, and an equivalent or lower sag than the baseline drilling fluid; wherein the circulating is at a higher flow rate than the baseline drilling fluid flow rate; and wherein the circulating results in an equivalent or lower pressure drop through the wellbore.

IPC 8 full level

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