

Fangmann Energy Services GmbH & Co. KG

Stimulation – Cementing – DH Tool Services – Industrial Services

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Lab Services Cementing

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Geschäftsführer: Frank Fangmann, Steffan Gerdes

HTHP-CONSISTOMETERS

- Thickening time measurement of cement slurries under downhole conditions
- Determination of pumpability and stability of cement recipes
- Max. temperature: 250°C
Max. differential pressure: 30,000 psi
- Three HTHP-Consistometers available for parallel testing



ULTRASONIC CEMENT ANALYZERS

- Non-destructive determination of compressive strength development
- Comparison with destructive tests via crushing apparatus
- Max. temperature: 200°C
Max. differential pressure: 22,000 psi
- Two Ultrasonic Cement Analyzer available for parallel testing



RHEOMETERS

- Compatibility testing between mud systems and cement slurries
- Standard combination of rotor 1 with bob 1; optional with bob 2 or bob 5
- Three Rheometers available for parallel testing up to 90°C



CURING CHAMBERS

- Curing of cement slurries at bottom hole pressure and temperature
- Max. temperature: 250°C
Max. differential pressure: 3,000 psi
- Two Curing Chambers available for parallel testing



FLUID LOSS CELLS

- Filtration of cement slurries at 1,000 psi differential pressure
- For testing at temperatures > 90°C heating under static or stirred conditions
- Two Fluid Loss Cells available for parallel testing



R&D ACTIVITIES

- Independent lab with four employees (two Ph.D.'s)
- Flexible and customer-oriented approach in establishing new cement systems
- Close cooperation with engineering team for optimal realization of projects

