

LAB SERVICES CEMENTING

HTHP-Consistometer

- Thickening time measurement of cement slurries under downhole conditions
- Determination of pumpability and stability of cement recipes
- Max. temperature: 250°C Max. pressure: 30,000 psi



Ultrasonic Cement Analyzer

- Non-destructive determination of compressive strength development
- Comparison with destructive tests via crushing apparatus
- Max. temperature: 200°C Max. pressure: 22,000 psi



Thermal Conductivity Meter

- Well-established transient line source method according to ASTM D5334-08
- Measuring range: 0.1 to 10 W/m·K Accuracy: \pm 2 %
- Software-controlled measuring and evaluation

Further Lab Equipment

- Mixing units for cement slurry preparation according to API standards
- Curing chambers for cement hardening under downhole conditions
- Fluid loss cells: For testing > 90°C heating under static or stirred conditions
- Rheometers with standard combination of rotor 1 with bob 1; optional with bob 2 or bob 5







LAB SERVICES: ACIDIZING

Core Flooding

- Specimen preparation employing core drill and core saw
- Conditioning of core sample to borehole temperature
- Determination of pre- and post-treatment permeability
- Preparation and pumping of different treatment fluids

Corrosion Testing

- Coupon preparation: Cutting to size, grinding, polishing, and degreasing
- Mixing of different acid systems as per client specs
- Exposure of coupon to acid systems @ BH temperature
- Storage under static or dynamic (roller oven) conditions





Solubility Testing

- Drying and grinding of scale / cutting samples
- Immersing of samples to various treatment fluids
- Heating of sample to elevated temperature
- Re-weighting of non-dissolved portion



Benefits

- Independent lab with four employees ready to perform experiments for you
- Flexible and customer-oriented approach in establishing new fluid systems
- Close cooperation with engineering team for optimal realization of projects

READY FOR SERVICE

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