TECHNICAL
EDUCATION
ACADEMY

School of Engineering

COURSE PROGRAMME

000197

WELL010 - Advanced Cementing Operations

Cementing is a fundamental element of effective well construction.



Learn from the Best in the Business!

Course overview

Advanced level

Why take this course

Cementing is a fundamental element of effective well construction. By understanding cement chemistry, additive use, and lab procedures the participants will able to build a solid foundation to design and execute cement jobs. Mud removal and centralization will be taught so that the participants can apply effective processes to ensure cement job success.

The goal of the course will be to increase the participant's knowledge of well cementing services and to help them understand service specific technical design and operational considerations.

Special purpose cements will be discussed in a way to show when they should and should not be used, as well as how they can be used to solve challenges encountered in complex and extreme well environments. Foamed, engineered particle sized, flexible, and salt cements will also be covered in detail.

Who it is for and how it helps

This is a 5-day training course, designed for drilling, production and completions engineers and supervisors, tool pushers, geologists, laboratory fluid technologists, managers, and operations personnel.

What you will learn

- Acquire a detailed knowledge of the different cementing techniques
- Address special cases: liner, highly deviated wells, gas zones
- Design a full cementing program for a real typical case
- Assess the quality of a cementing job

Curriculum

Modules 01–03

01 Techniques & job procedures

- Cement chemistry.
- Special slurries and additives.
- Formulation and laboratory tests.
- Salt zone and temperature problems.

02 Special cases

- Gas zone cementing.
- Deviated and horizontal wells cementing.
- Remedial techniques.

03 Evaluation of the cementing job

- Principles and interpretation of the cement logs: Thermometry; Sonic (CBL - VDL); Ultrasonic (USIT).
- Logs analysis.

Joining the programme

Contact the Academy and quote course code 000197 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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