E- 434

ADVANCED CEMENTING PRACTICES

▲ Who should attend?

Supervisors and engineers involved in drilling and completion and wishing to improve their knowledge on the subject.

▲ Duration

5 days

▲ Dates & Location

Non scheduled

May only be organized for a single company

▲ Tuition Fees

to be agreed upon

▲ Course Coordinator

Gérald GACHET

Ref. **FLU / CIM2F**

OBJECTIVES

To deepen and develop the acquired basic knowledge on cementing.

At the end of the course, the participants:

- know in details the different cementing techniques,
- know the following special cases: liner, highly deviated wells, gas zones problems,
- are able to design a full cementing program for a real classic case.

COURSE CONTENT

TECHNIQUES AND JOB PROCEDURES — 1.5 days

Cementing program

Cement job design:

- casing running
- fluids and mud removal
- cementing calculations
- surface, primary and multistage cementing
- cement plugs

Cementing job simulation

Computer exercises

CEMENT AND SLURRIES — 0.5 day

Cement chemistry

Special cement system and additives

Slurry design methodology

Rheology

Displacement in eccentered annulus

Salt zone and temperature problems

LINER HANGER — 0.5 day

Equipment and job procedures

SPECIAL CASES — 0.5 day

Gas zone cementing

Deviated and horizontal wells cementing

Remedial techniques

CEMENTING PROJECT — 1 day

CONTROL OF THE CEMENTING JOB — 1 day

Principles and interpretation:

- thermometry
- sonic (CBL - VDL)
- ultrasonic (CET USIT)

Logs analysis