

Drilling Engineering

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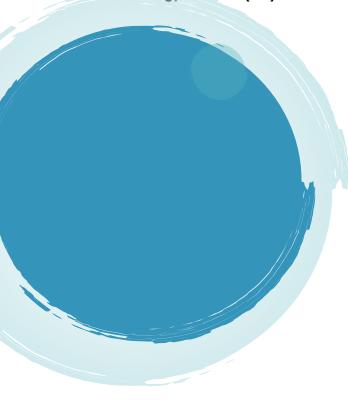
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Objectives:

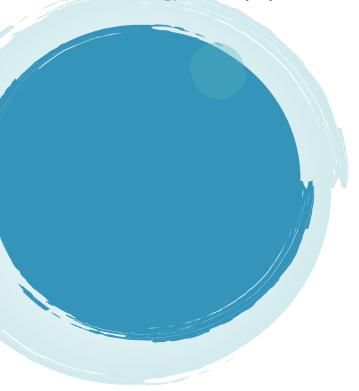
To allow participants to:

- study, criticize and improve a drilling and casing program
- study the main aspects of the well, as far as well architecture, well safety and well life are concerned
- 3. Prepare the well to be produced.

Course Outline:

- Techniques and job procedures.
- Cement and slurries.
- Liner hanger.
- Special cases.
- Cementing project.
- Control of the cement job.
- Functions.
- Physical and rheological characteristics of muds.
- Different types of muds.
- Case study. How to define a mud program.

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- Mechanical treatments of muds and mud pits.
- Extended reach drilling.
- Mud losses and treatment.
- Drilling and casing program.
- Physical and mechanical properties of casings.
- Shoe positioning.

- Casing string calculation.
- Onshore wellhead and equipment.
- Subsea equipment.
- Main completion type.
- Pieces of equipment.
- Tubing movement and forces.
- Operational procedures.
- Pressure and well kicks analysis.
- Kick control procedure.
- Special cases.
- Equipment.
- IWCF testing session (surface BOP stack).