

CEMENTING

Provide participants with an understanding of cementing technology, used in both primary and remedial cementing operations.

Understand :

- Slurry design concepts,
- Chemicals and Additives used, and their purpose
- Lab Guideline

Bulk blending and handling equipment will be discussed to ensure each participant is familiar with basic cementing equipment.

The participants will be able to **evaluate proposed designs and understand the purpose of the additives** in place in cement system design.

The importance of mud removal and methods, which may be chosen to accomplish effective mud removal,

Job and procedure design will be developed by the participants and the **use of cement simulation and design software** will be covered.

Job execution will be discussed so that the participants will be able to **understand the problems and improve cement jobs** on oil and gas wells.

New products and uses of cement in oil and gas wells is an important element of successful well construction in advanced level.

How these new technologies can be used to combat gas migration, lost circulation, and cement quality will be covered in detail.

Cement job evaluation will be covered, with specific training on cement evaluation logs and interpretation.

Cement performance related to industry standards and how the standards apply to land and deep water operations will also be discussed in advanced level.

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