Cementing Technologies

09 - 12 Jun 2019, Dubai
15 - 18 Dec 2019, Abu Dhabi
Introduction

Cementing operations are critical for well life as they constitute the foundations of any gas or oil well. Well Integrity is compromised, unless efficient cementing operations are carried out in every casing job. Like the foundations of a house, Cementing is the basis for an efficient well performance.

This 4-day intensive GLOMACS Cementing Technologies training course will highlight:
- Overview of Primary Cementing
- Cement Placement (Job Execution and Procedures)
- Cement Calculations
- Cement Additives and Mud Removal
- Effective Cement Placement
- Cement Job Evaluation
- HSE and Cementing

Objectives

By the end of this GLOMACS training course, participants will learn to:
- Calculate Volumes of Cement, Mix Water and Additives
- Understand the critical parameters for any cementing operation
- Select displacement rates for effective mud removal
- When to select Two Stage Cementing
- Select the proper Additives based on Well Conditions
- Read and perform Interpretation of Cement Bond Logs
- Understand Special Cement Systems
- Select Casing Hardware for successful Cementing Operations

Training Methodology

This GLOMACS Cementing Technologies training course will be presented using properly designed slides, some with animation and several videos on relevant issues. A printed manual containing all the slides and/or electronic form in PDF will be delivered to each attendant. Teaching methods include also calculations on related issues and several examples of Cement Logs will be presented for interpretation.

Who Should Attend?

This GLOMACS training course is suitable to a wide range of professionals but will greatly benefit:
- Petroleum Engineers
- Production Engineers
- Drilling Engineers
- Completion Engineers
- Oil Field Technical Staff

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Seminar Outline

DAY 1

Introduction to Cementing Operations
- One Stage Cement Jobs
- Two Stage Jobs
- Liner Cementing
- Squeeze Cementing
- Cement Head and Wiper Plugs
- Calculations: Volume of Cement Slurry, Number of Sks, Mix Water, Additives, Displacement Volumes Required
- Calculator for all Parameters of the Cement Job
- Pressures during and at end of Displacement

DAY 2

Cementing Operations Planning and Execution
- Buoyancy Effect on Casing
- Relevant Factors that Influence the Success of any Cement Job
- Cement Job Planning and Execution
- Casing Hardware
- Cement Chemistry (focus on class G cement)
- Compressive Strength and Permeability
- Strength Retrogression
- Thixotropic Cement Slurries
- The Importance of BHCT and BHST
- Mud Removal and the Effect of Mud Contamination on Compressive Strength
- Gas Migration

DAY 3

Mud Removal and Cement Placement
- Lost Circulation
- Cementing Horizontal Wells
- Cement Laboratory Equipment
- Rheology and its Application in Oil Well Cementing
- Flow Modules and Mud Removal
- Spaces and Washes
- Cement Placement: Turbulent and Laminar Flow
- Special Cement Systems
- Engineered Particle Size Cements
- Salt Cementing
- Thixotropic Cement Systems
- Light Weight Cements
- Foam Cement
- Permafrost Cement

DAY 4

Cement Quality Evaluation
- Cement Quality Evaluation Logs (cement bond logs)
- Overview of Sonic and Ultrasonic Logs
- Examples of CBL / VDL Log Displays and Evaluation of Cement Quality
- CBL VDL: Pros and Cons
- The Bond Index
- SCMT: Slim Cementing Mapping Tool
- Ultrasonic Tools: USIT
- Ultrasonic Log USIT Over Sonic Log CBL
- Cement Logs Summary
- Examples of CBL / VDL Log Displays and Evaluation of Cement Quality
- Major Hazards on a Cementing Operation
- Risk Assessment
- Safety Hazards related to a Cementing Operation
REGISTRATION DETAILS

LAST NAME:________________________________________
FIRST NAME:_______________________________________
DESIGNATION:_____________________________________
COMPANY: ________________________________________
ADDRESS: ________________________________________
__________________________________________________
CITY:______________________________________________
COUNTRY: ________________________________________
TELEPHONE:______________________________________
MOBILE: __________________________________________
FAX:________________________________________________
EMAIL:_____________________________________________

AUTHORISATION DETAILS

AUTHORISED BY:___________________________________
__________________________________________________
DESIGNATION:_____________________________________
COMPANY: ________________________________________
ADDRESS: ________________________________________
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EMAIL:_____________________________________________

PAYMENT DETAILS

☐ Please invoice my company
☐ Cheque payable to GLOMACS
☐ Please invoice me

CERTIFICATION

Successful participants will receive GLOMACS’ Certificate of Completion

4 WAYS TO REGISTER

Tel: +971 (04) 425 0700
Fax: +971 (04) 425 0701
Email: info@glomacs.com
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TERMS AND CONDITIONS

• Fees – Each fee is inclusive of Documentation, Lunch and refreshments served during the entire seminar.
• Mode of Payment – The delegate has the option to pay the course fee directly or request to send an invoice to his/her company/sponsor. Credit card and cheque payments are both acceptable.
• Cancellation / Substitution – Request for seminar cancellation must be made in writing & received three (3) weeks prior to the seminar date. A US$ 250.00 processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.
• Hotel Accommodation – is not included in the course fee. A reduced corporate rate and a limited number of rooms may be available for attendees wishing to stay at the hotel venue. Requests for hotel reservations should be made at least three (3) weeks prior to the commencement of the seminar. All hotel accommodation is strictly subject to availability and terms and conditions imposed by the hotel will apply.
• Attendance Certificate – a certificate of attendance will only be awarded to those delegates who successfully completed/attended the entire seminar including the awarding of applicable Continuing Professional Education Units/Hours.
• Force Majeure – any circumstances beyond the control of the Company may necessitate postponement, change of seminar venue or substitution of assigned Instructor. The Company reserves the right to exercise this clause and implement such amendments.
• Fair Access / Equal Opportunities – In the provision of its services as a world-class Training Provider, the Company is committed to provide fair access/equal opportunities throughout the delivery of its courses and assessment leading to the completion of training seminars, or 3rd party qualifications/certifications.

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