Oil & Gas Field Operations and Commingled Productions Allocations

19 - 23 Apr 2020, Dubai
30 Aug - 03 Sep 2020, Dubai
Introduction

Oil and Gas field operations are complex, equipment is capital intensive, and entails health, safety and environmental risks. The oil and gas field operations include several stages and processes. It starts from the oil exploration stage and extend to include the oil recovery, production and treatment operations.

This 5-day GLOMACS accelerated programme on Oil & Gas Field Operations and Commingled Productions Allocations has been designed to enable delegates to learn more about the state-of-the-art oil & gas field operations, production methods, commingled production process and related facilities. It will also present an overview / fundamental understanding of the wide range of oilfield production handling and treatment equipment. It will also provide the delegates with an overall understanding of the fluid behavior inside the reservoir, through the downhole tubular and the processing facilities. It is exceptionally useful for those who would like to obtain an overview of the oil & gas business, industry components, production technology and different oil and gas recovery methods.

Objectives

By the end of this GLOMACS training programme delegates will be able to:

- Recognize the latest Game-changing oil & gas field technologies - seismic, well-logging, drilling, horizontal wells, fracking, etc.
- Comprehend the global oil & gas related statistics
- Recognize upstream, middle stream and downstream operations and related facilities
- Distinguish methods and techniques used throughout the Oil & Gas Industry to explore, drill, produce, treat and transport oil, gas and their products
- Master the field facilities from the reservoir to end users
- Understand oil & gas field operational problems and troubleshooting
- Recognise the importance commingled oil & gas production
- Understand allocation of commingled allocation to reservoirs, fields & platforms
- Understand the various production and recovery techniques and methods
- Evaluating oil & gas reserves, artificial lift and enhanced oil recovery techniques
- Conduct economic evaluation on field development projects and risk analysis

Training Methodology

This GLOMACS accelerated and interactive training programme is designed to encourage delegates’ participation through a combination of group discussion, practical case studies, and an extensive use of short videos highlighting the critical oil & gas operations, environmental and safety considerations to reinforce new knowledge and skills, and discussions of practical issues in their organization.

Organisational Impact

The participants will get the knowledge which allows them to identify the theories behind the practical applications of the Oil & Gas Field Operations and Commingled Productions Allocations. That will help to:

- Improve the performance at the workplace
- Enhance the integration between the technical and management team inside the company
- Apply the latest technologies for oil and gas field operations (Drilling, Production, EOR, Stimulation, Artificial Lift)
- Integrate between the activities of the upstream, middle stream and downstream operations and related facilities
- Apply the Interdisciplinary Synergetic approach to understand and solve the oil & gas field operational problems and troubleshooting
- Apply technique to have commingled oil & gas production and conduct economic evaluation on field development projects

Personal Impact

By the end of this GLOMACS training course, delegates will be able to understand the concepts of the Oil & Gas Field Operations and Commingled Productions Allocations. They will be able to:

- Use different methods to efficiently operate the oil and gas fields
- Have the knowledge to evaluate and classify the oil & gas reserves
- Be familiar with the improved recovery processes, stimulation operations and artificial lift techniques
- Understand oil & gas field operational problems and troubleshooting techniques
- Apply several methods to have commingled oil & gas production
- Apply the economics concepts to select the optimum reservoir development plan

Who Should Attend?

- Corporate Planners & Supply Planners
- Senior Oil and Gas Business Managers
- Engineers, Geologist & Financial Analysts
- Earth Scientists, Technicians and Analysts
- Human Resource Personnel
- Health, Safety and Environment Regulators
- Investment Bankers
- Fund Managers
- Investment Analysts
- Government Agencies
Seminar Outline

**DAY 1**

**Global Aspects of Oil & Gas Exploration and Drilling Operations**
- Introduction to the Programme
- The Oil & Gas Industry Segments / Oil & Gas Industry Components
- Upstream, Midstream Downstream Operations
- Global Energy Statistics: Reserves, Production, Consumption
- Oil Price Volatility
- The Origin of Oil
- Exploration and Seismic Operations
- Geophysical Prospecting and Reservoir Geology
- Drilling Operations and Technologies
- Well Logging Operations
- Well Completions & Casing
- Well Completion Equipment
- Optimizing production from Multilaterals
- Identifying Competition between Laterals
- Vertical and Horizontal Wells Technologies
- Applicability to Vertical, Deviated and Horizontal Wells

**DAY 2**

**Reservoir Engineering Concepts**
- Rock and Fluid Properties
- Darcy’s Law
- Phase Behavior
- Oil Density, Oil Viscosity
- Other Properties
- Reserves Classifications
- Reserves Determination / Estimates
- Volumetric Calculations – Original Oil & Gas In-Place
- Decline Curve Analyses
- Material Balance Calculations

**DAY 3**

**Oil & Gas Production Technologies**
- Production Methods and Facilities
- Well Flows Systems
- Well Damage and Treatment (Formation Damage and Stimulations Operations)
- Applicability to Pumping Wells
- Oil & Gas Production (Artificial Lift Methods)
  - Sucker Rod Pumping
  - ESP
  - Gas Lift
  - Hydraulic Pumping
  - PCP

**DAY 4**

**Enhanced Oil Recovery Technologies**
- Reservoir Management – Recover Sequence
- Drive Mechanisms
- Oil & Gas Enhanced Recovery Methods
  - Thermal EOR Methods
  - Chemical EOR Methods
  - Miscible EOR Methods
  - MEOR Technologies

**DAY 5**

**Oil & Gas Pressing, Economics and Decision-making**
- Commingled Production Process & Equipment / Flowlines
- Products Specifications
- Impurities
- Corrosion & Scale Control
- Separation Processes
- Allocation Process and Methods to Allocate Commingled Production
- Oil & Gas Treatment and Facilities / Oil and Gas Processing Operations
- LPG and NGL Recovery
- Oil Storage
- Refinery Operations and Products
- Field Safety Introduction
- What are project management, its considerations, tools & techniques?
- Oil & Gas Field Development Economic Evaluation
- Economic Analysis
- Economic Limit
- Project Economics: Net Present Value, Internal Rate of Return
- Investment Decision Making

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REGISTRATION DETAILS

LAST NAME: ____________________________________________
FIRST NAME: ___________________________________________
DESIGNATION: __________________________________________
COMPANY: ______________________________________________
ADDRESS: ______________________________________________

CITY: __________________________________________________
COUNTRY: ______________________________________________
TELEPHONE: ____________________________________________
MOBILE: ________________________________________________
FAX: __________________________________________________
EMAIL: __________________________________________________

AUTHORISATION DETAILS

AUTHORISED BY: _________________________________________
DESIGNATION: __________________________________________
COMPANY: ______________________________________________
ADDRESS: ______________________________________________

CITY: __________________________________________________
COUNTRY: ______________________________________________
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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

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Website: www.glomacs.com

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.

Oil & Gas Field Operations and Commingled Productions Allocations

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<th>Code</th>
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