



DE081: Integrated Reservoir Management

Training Description:

This intensive training course will cover the basic techniques used in modern reservoir management by asset management teams. Data acquisition, analysis, and modeling will be covered. The reservoir model, production operations, and reservoir management economics will also be discussed. Participants will take part in case studies that include new field, mature fields, waterfloods, and enhanced recovery projects. Integrated management examples for new and mature fields and for a waterflooding will be discussed in a workshop environment.

Training Objectives:

By the end of the training, participants will be able to learn:

- ✓ Basic reservoir management concepts and the basic reservoir management process
- ✓ Management environment and the integrated reservoir model
- ✓ Reservoir characterization and petrophysical analysis
- ✓ Depositional environments and systems. The Pore System Model
- ✓ Statistical analysis of production and pressure data
- ✓ Reservoir performance analysis
- ✓ Building the dynamic reservoir model along with how to calibrate it
- ✓ How to predict performance using the dynamic reservoir
- ✓ choosing the correct projects
- ✓ The Economic Evaluation Model along with investment decisions and project selection

Training Designed for:

This course is intended for Engineers, geoscientists, operating personnel, and asset team members.

Prerequisites:

Experience in oil and gas field operations.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

DAY ONE:

❖ Reservoir Management Concepts and Processes

- Reservoir management concepts
- Reservoir management process
- Management environment
- Integrated Reservoir Model

DAY TWO:

- ❖ **Characterization and Analysis**
 - Reservoir characterization
 - Petrophysical analysis
 - Depositional environments and systems
 - Pore System Model

DAY THREE:

- ❖ **Statistical Analysis and Performance Analysis**
 - Statistical analysis of production and pressure data
 - Static Model
 - Reservoir performance analysis

DAY FOUR:

- ❖ **Dynamic Model**
 - The Dynamic Model
 - Building the Dynamic Reservoir Model
 - Calibrating the Dynamic Model
 - Predicting performance

DAY FIVE:

- ❖ **Selecting a Project**
 - Economic Evaluation Model
 - Investment Decisions
 - Project Selection
 - Applications
- ❖ **Course Conclusion**
- ❖ **POST-ASSESSMENT and EVALUATION**

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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