COURSE OVERVIEW DE0429
Oil Field Manager (OFM) Fundamentals, Production Forecasting Analysis and Intermediate

Course Title
Oil Field Manager (OFM) Fundamentals, Production Forecasting Analysis and Intermediate

Course Date/Venue
Session 1: August 11-15, 2025/ Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
Session 2: November 16-20, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

Course Reference
DE0429

Course Duration/Credits
Five days/3.0 CEUs/30 PDHs

Course Description

This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using our state-of-the-art simulators.

This course is designed to provide participants with a basic overview of Oil Field Manager (OFM) Fundamentals and Intermediate Production Forecasting Analysis. It covers the importance and role of OFM software in reservoir engineering; navigating the OFM environment, the user interface and customizing settings for individual needs; the techniques for importing data and organization, data validation and correction; creating and managing database, basic reporting and visualization; the techniques for well performance analysis, time-series data analysis and water-cut and gas-oil ratio analysis (GOR); the pressure transient analysis integration; and the OFM visualization tools and performance monitoring dashboards.

Further, the course will also discuss the reservoir surveillance techniques and rate transient analysis (RTA); integrating simulation models with OFM and forecasting production using OFM; integrating the opportunities for optimization of field operations and advanced decline curve analysis methods in OFM; the economic parameters into production forecasting for comprehensive project evaluation in OFM; and the probabilistic forecasting methods in OFM for risk assessment and decision-making support.

During this interactive course, participants will learn the scenario analysis and development planning; the automation and custom calculations and advanced visualizations and reports in OFM for internal and external stakeholders; integrating OFM with other petroleum engineering software and databases for enhanced workflow efficiency; the best practices for managing and analyzing data within OFM to ensure accuracy and reliability; managing OFM projects and troubleshooting common issues in OFM; and the future trends and upcoming features in OFM development.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain a good working knowledge on oil field manager (OFM) fundamentals and intermediate production forecasting analysis
- Explain the importance and role of OFM software in reservoir engineering
- Navigate the OFM environment as well as recognize the user interface and customize settings for individual needs
- Apply proper techniques for importing production, well test and completion data into OFM from various sources and organizing data effectively
- Identify common data issues and apply methods to validate and correct data within OFM
- Develop step-by-step guidance on setting up new OFM databases including database structure, data types and best practices for data management
- Create basic reports and visualizations within OFM including graphs, tables and maps to analyze production data
- Carryout systematic techniques for analyzing well performance using OFM including decline curve analysis and production diagnostics
- Apply time-series analysis for production data to identify trends and anomalies
- Use OFM to analyze water cut and gas-oil ratio (GOR) trends to assess reservoir performance
- Integrate pressure transient analysis data with production data in OFM for comprehensive reservoir evaluation
- Identify OFM visualization tools including bubble maps, trend plots, and cross plots to enhance data analysis
- Develop customized dashboards in OFM for real-time monitoring of reservoir and well performance
- Utilize OFM for effective reservoir surveillance techniques including monitoring reservoir pressure and fluid movements
- Explain the basics of rate transient analysis (RTA) in OFM and its application for understanding reservoir characteristics and performance
- Implement methods for integrating reservoir simulation models with OFM data to refine analyses and forecasts
- Carryout production forecasting techniques within OFM including deterministic and probabilistic methods

- Identify opportunities for optimization of field operations including well interventions and enhanced recovery methods using OFM
- Apply advanced decline curve analysis methods in OFM including handling non-conventional wells
- Integrate economic parameters into production forecasting for comprehensive project evaluation in OFM
- Employ probabilistic forecasting methods in OFM for risk assessment and decision-making support
- Carryout scenario analysis and development planning including impact assessment of different reservoir management strategies using OFM
- Customize OFM with scripts for automated analyses and create custom calculations for specific analysis needs
- Create advanced visualizations and reports in OFM for internal and external stakeholders
- Integrate OFM with other petroleum engineering software and databases for enhanced workflow efficiency
- Apply best practices for managing and analyzing data within OFM to ensure accuracy and reliability
- Manage OFM projects including team collaboration, version control and documentation
- Identify and resolve common issues encountered by OFM users
- Discuss future trends and upcoming features in OFM development including artificial intelligence and machine learning applications

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of oil field manager (OFM) fundamentals and intermediate production forecasting analysis for production engineers who needs to gain experience in setting up patterns and performing production forecasting analysis using OFM software.

Course Fee

US$ 8,000 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:-

British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

- The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Dr. Chris Kapetan (**Christos Kapetanios**), PhD, MSc, is a **Senior Drilling & Petroleum Engineer** with over **30 years** of international experience within the **onshore** and **offshore oil** & **gas** industry. His wide experience covers **Horizontal & Multilateral Wells**, **Well Completion & Stimulation**, **Artificial Lift System Selection & Design**, **Drilling Practices**, **Drilling Fluids Technology**, Drilling **Operations**, **Directional** Drilling**, Formation Damage** Evaluation & Preventive, **Formation Damage** Remediation, **Drilling & Formation Damage**, Simulation Program for The **International Petroleum Business**, **Well** Testing & Analysis, **Well** Design, **Well** Testing & Oil Well Performance, **Well** Test Design Analysis, **Well Test** Operations, **Well Testing & Perforation**, Root Cause Analysis (**RCA**), RCA Method for Process Plant, **RCA** Techniques, Control Well-Flow Lines Parameters, Decision Analytic Modelling Methods for **Economic Evaluation**, **Probabilistic Risk Analysis** (**Monte Carlo Simulator**) **Risk Analysis** Foundations, Sulphur, Sour Natural Gas, **Natural Gas Sweeting**, **Petroleum Production**, Field Layout, **Production** Techniques & Control, **Surface Production** Operations, **Project Risk Analysis**, **Feasibility Analysis** Techniques, **Capital Operational Costs**, **Flowmetering & Custody Transfer** and **Oil Refinery**. Further, he is also well-versed in Enhanced Oil Recovery (**EOR**), Electrical Submersible Pumps (**ESP**), **Oil Industries Orientation**, **Geophysics**, **Cased Hole** Formation Evaluation, **Cased Hole** Applications, **Cased Hole** Logs, **Production Wells** Operations, **Production Facilities** Management, **Perforating** Methods & Design, **Perforating** Operations, **Fishing** Operations, **Well & Reservoir** Testing, **Reservoir** Stimulation, **Hydraulic Fracturing**, **Carbonate** Acidizing, **Sandstone** Acidizing, **Drilling Fluids** Technology, Drilling Operations, **Directional** Drilling, **Artificial Lift**, **Gas Lift Design**, **Gas Lift** Operations, Petroleum Business, **Petroleum Economics**, **Field Development** Planning, **Gas Lift Valve** Changing & Installation, **Well Completion** Design & Operation, **Well** Surveillance, **Well** Testing, **Well** Stimulation & Control and **Workover** Planning, Completions & Workover, **Rig Sizing**, **Hole Cleaning & Logging**, **Well Completion**, **Servicing & Work-Over** Operations, Practical **Reservoir Engineering**, **X-mas Tree & Wellhead** Operations, Maintenance & Testing, Advanced **Petrophysics/Interpretation** of **Well Composite**, **Construction Integrity** & **Completion**, **Coiled Tubing** Technology, **Corrosion Control**, **Slickline**, **Wireline & Coil Tubing**, **Pipeline Pigging**, **Corrosion** Monitoring, **Cathodic Protection** as well as Root Cause Analysis (**RCA**), Root Cause Failure Analysis (**RCFA**), **Gas Conditioning & Process Technology**, **Production Safety** and **Delusion of Asphalt**. Currently, he is the **Operations Consultant** & the **Technical Advisor** at **GEOTECH** and an independent **Drilling Operations Consultant** of various engineering services providers to the international clients as he offers his expertise in many areas of the **drilling & petroleum discipline** and is well **recognized & respected** for his process and procedural expertise as well as ongoing participation, interest and experience in continuing to promote technology to producers around the world.

Throughout his long career life, Dr. Chris has worked for many international companies and has spent several years **managing** technically **complex wellbore interventions** in both **drilling** & **servicing**. He is a **well-regarded** for his **process** and **procedural expertise**. Further, he was the **Operations Manager** at **ETP Crude Oil Pipeline Services** where he was fully responsible for optimum operations of crude oil pipeline, **workover** and **directional drilling**, **drilling rigs** and equipment, drilling of various geothermal deep wells and **exploration wells**. Dr. Chris was the **Drilling** & **Workover Manager** & **Superintendent** for **Kavala Oil** wherein he was responsible for supervision of **drilling** operations and **offshore exploration**, quality control of performance of **rigs**, **coiled tubing**, **crude oil** transportation via pipeline and abandonment of **well** as per the API requirements. He had occupied various key positions as the **Drilling Operations Consultant**, **Site Manager**, **Branch Manager**, **Senior Drilling** & **Workover Manager** & **Engineer**, **Drilling** & **Workover Engineer**, **Process Engineer**, **Operations Consultant** and **Technical Advisor** in several petroleum companies responsible mainly on an **offshore** sour oil field (under water flood and gas lift) and a gas field. Further, Dr. Chris has been a **Professor** of the **Oil Technology College**.

Dr. Chris has **PhD** in **Reservoir Engineering** and a **Master's** degree in **Drilling & Production Engineering** from the **Petrol-Gaze Din Ploiesti University**. Further, he is a **Certified Surfaced BOP Stack Supervisor** of **IWCF**, a **Certified Instructor/Trainer**, a **Certified Trainer/Assessor/Internal Verifier** by the **Institute of Leadership & Management** (**ILM**) and has conducted numerous short courses, seminars and workshops and has published several technical books on **Production Logging**, **Safety Drilling Rigs** and **Oil Reservoir**.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Overview of OFM:*** *Introduction to the Oil Field Manager Software, including its Development History, Importance, and Role in Reservoir Engineering*
0930 – 0945	*Break*
0945 – 1030	***Getting Started with OFM:*** *Navigating the OFM Environment, Understanding the User Interface, and Customizing Settings for Individual Needs*
1030 – 1130	***Data Import & Organization:*** *Techniques for Importing Production, Well Test, and Completion Data into OFM from Various Sources and Organizing Data Effectively*
1130 – 1230	***Data Validation & Correction:*** *Identifying Common Data Issues and Applying Methods to Validate and Correct Data within OFM*
1230 – 1245	*Break*
1245 – 1330	***Creating & Managing Databases:*** *Step-by-step Guidance on Setting Up New OFM databases, including Database Structure, Data Types, and Best Practices for Data Management*
1330 – 1420	***Basic Reporting & Visualization:*** *Creating Basic Reports and Visualizations within OFM, including Graphs, Tables, and Maps to Analyze Production Data*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2

0730 – 0830	***Well Performance Analysis:*** *Techniques for Analyzing Well Performance Using OFM, including Decline Curve Analysis and Production Diagnostics*
0830 – 0930	***Time-Series Data Analysis:*** *Understanding and Applying Time-Series Analysis for Production Data to Identify Trends and Anomalies*
0930 – 0945	*Break*
0945 – 1100	***Water Cut & Gas-Oil Ratio Analysis:*** *Using OFM to Analyze Water Cut and Gas-Oil Ratio (GOR) Trends to Assess Reservoir Performance*

1100 – 1230	***Pressure Transient Analysis Integration:*** *Introduction to Integrating Pressure Transient Analysis Data with Production Data in OFM for Comprehensive Reservoir Evaluation*
1230 – 1245	*Break*
1245 – 1330	***OFM Visualization Tools:*** *Advanced Use of OFM Visualization Tools, including Bubble Maps, Trend Plots, and Cross Plots to Enhance Data Analysis*
1330 – 1420	***Performance Monitoring Dashboards:*** *Developing Customized Dashboards in OFM for Real-Time Monitoring of Reservoir and Well Performance*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3

0730 – 0830	***Reservoir Surveillance Techniques:*** *Utilizing OFM for Effective Reservoir Surveillance, including Monitoring Reservoir Pressure and Fluid Movements*
0830 – 0930	***Rate Transient Analysis (RTA):*** *Basics of RTA in OFM and its Application for Understanding Reservoir Characteristics and Performance*
0930 – 0945	*Break*
0945 – 1100	***Integrating Simulation Models with OFM:*** *Methods for Integrating Reservoir Simulation Models with OFM Data to Refine Analyses and Forecasts*
1100 – 1230	***Forecasting Production Using OFM:*** *Introduction to Production Forecasting Techniques within OFM, including Deterministic and Probabilistic Methods*
1230 – 1245	*Break*
1245 – 1330	***Optimization of Field Operations:*** *Using OFM to Identify Opportunities for Optimization of Field Operations, including Well Interventions and Enhanced Recovery Methods*
1330 – 1420	***Case Studies:*** *Reviewing Case Studies of Successful Reservoir Management and Optimization Projects Using OFM*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4

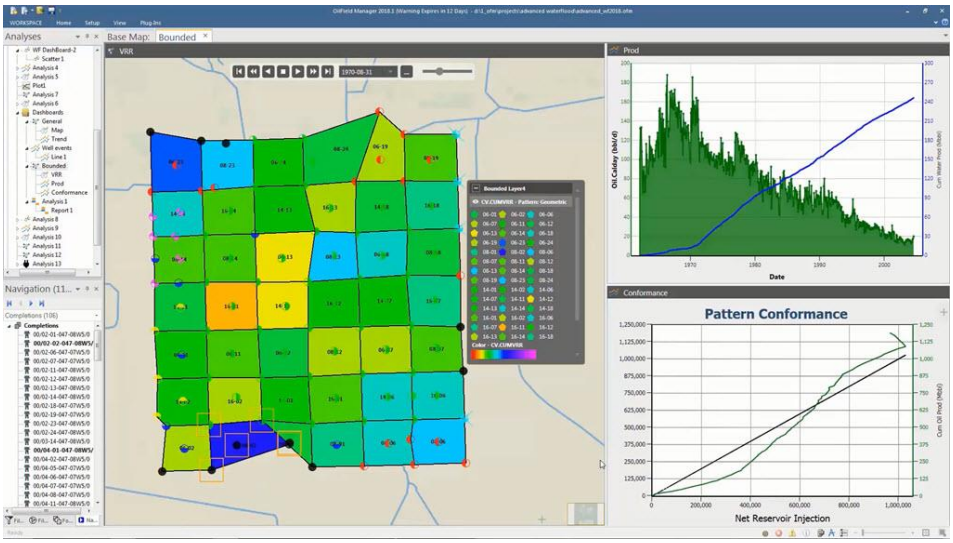
0730 – 0830	***Advanced Decline Curve Analysis:*** *In-depth Exploration of Advanced Decline Curve Analysis Methods in OFM, including Handling Non-Conventional Wells*
0830 – 0930	***Economic Analysis & Forecasting:*** *Integrating Economic Parameters into Production Forecasting for Comprehensive Project Evaluation in OFM*
0930 – 0945	*Break*
0945 – 1100	***Probabilistic Forecasting Methods:*** *Introduction to Probabilistic Forecasting Methods in OFM for Risk Assessment and Decision-Making Support*
1100 – 1230	***Scenario Analysis & Planning:*** *Using OFM for Scenario Analysis and Development Planning, including Impact Assessment of Different Reservoir Management Strategies*
1230 – 1245	*Break*
1245 – 1330	***Automation & Custom Calculations:*** *Customizing OFM with Scripts for Automated Analyses and Creating Custom Calculations for Specific Analysis Needs*
1330 – 1420	***Advanced Visualization & Reporting:*** *Creating Advanced Visualizations and Reports in OFM for Internal and External Stakeholders*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5

0730 – 0830	***Integrating OFM with other Software:*** *Overview of Integrating OFM with other Petroleum Engineering Software and Databases for Enhanced Workflow Efficiency*
0830 – 0930	***Best Practices in Data Management & Analysis:*** *Summarizing Best Practices for Managing and Analyzing Data within OFM to Ensure Accuracy and Reliability*
0930 – 0945	*Break*
0945 – 1030	***OFM Project Management:*** *Managing OFM Projects, including Team Collaboration, Version Control, and Documentation*
1030 – 1130	***Troubleshooting Common Issues in OFM:*** *Identifying and Resolving Common Issues Encountered by OFM Users*
1130 – 1230	***Future Trends in OFM Development:*** *Discussion on Future Trends and Upcoming Features in OFM Development, including Artificial Intelligence and Machine Learning Applications*
1230 – 1245	*Break*
1245 – 1345	***Workshop:*** *Developing a Comprehensive OFM Project: Participants will Apply the Skills Learned Throughout the Course to Develop a Comprehensive OFM Project, from Data Import to Forecasting and Reporting, Culminating in a Presentation of their Findings*
1345 – 1400	***Course Conclusion***
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Simulator (Hands-on Practical Sessions)

Practical session will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using the simulator “Oil Field Manager Software”.



Oil Field Manager Software

Course Coordinator

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