

DUBAI: 11 – 13 Feb. 2019**INTRODUCTION:**

This is a 3 day workshop designated for Engineers, scientists and Operations staff involved in Well and Reservoir Management and field optimization in order to create more value by efficiently producing oil and gas assets. WRM performance and achievements are one of the main contributors to sustaining oil and gas production in any E&P company. Continuous focus on Well, Reservoir and Facilities management has been providing great value to the company, resulting in low production decline rates. Production contribution from well improvement activities, primary comes from perforating, stimulation, shut offs, conversions, pump resizing, etc. Also, from reservoir improvement activities such as efficient distribution of water in water flooded reservoirs or GOR control in Gas drive systems. It is worth highlighting that overall WRM production contribution has been sustained at relatively low cost compared to drilling new opportunities. Most companies are now paying more attention in WRM and reaping huge benefits.

Key factor in success of enhancing well and reservoir management program is the combination of having the right tools and right blend of multi-disciplinary teams in place and utilizing LEAN methodology to streamline work process and remove waste and rework in all aspects of well and reservoir management process. WRM is also more crucial for fields where EOR are

being applied as these methods tend to be costlier than traditional water floods. The programme will be in a workshop style giving ample of time for technical discussions

TOPICS TO BE COVERED:

- Key definitions of the Overall process
- Overview of Reservoirs production mechanisms and their Operating Envelops
 - Natural drives
 - Water/Gas flood
 - EOR
- Overview of Well design and lift strategies and their Operating Envelops
 - Gas lift
 - ESP
 - BP and PCP
- Overall of the entire Production System (from reservoir-to wells-to facilities)
- Surveillance and Data acquisition (what are the minimum standards)
- Data management (collection, QA/QC, storage and access)
- Analysis, Interpretation, modeling and Optimization
- People, Tools and Technologies
- Examples of WRM in action from Industry
- Open discussion and Sharing

THE LECTURERS



Dr. Ali Al-Gheithy

Dr. Ali Al-Gheithy has over 21 years of Petroleum Industry experience, spanning well engineering, operations and field development planning. Dr. Al-Gheithy is currently The Director of Petroleum Engineering (Chief PE) of PDO LLC (JV with Shell) Petroleum Development Oman, a major E&P company in Oman. Previously he worked on several positions including; Study Centre manager, Asset Manager, and reservoir engineering project manager, and Well & Reservoir Management Team Leader.

He has a strong educational background with a BSC degree in petroleum engineering from the University of Tulsa, OK, USA in 1988 and an MSc and PhD degrees from Imperial College, the University of London in 1993. He is the previous chairman of the SPE in Oman.

As Manager of PDO Petroleum study center he was in charge of hydrocarbon maturation and field development of the entire company portfolio including water flood, EOR projects using polymer and thermal processes and related pilot projects.

He also worked as asset manager for a large mature field responsible for the

Development planning, reserve booking, and new wells delivery and WRM; as Team Leader of WRM for Fahud and Lekhwair assets; as Cluster Leader for the Lekhwair Asset; and as reservoir Engineer for Nimr asset team responsible for several fields for the taking care of field management, development and reserves bookings.

During his carrier he was cross-posted to Shell Nigeria (4.5 Yrs.) where he worked in the integrated study team on the Diebu Creek and Soku Fields Studies; and led the sub-surface team for the Forcados-Yokri re-development project.