



## Plunger Lift Application

### ABOUT THE COURSE

Plunger lift is a simple, very efficient and economic artificial lift method suitable especially in high gas liquid ratio (GLR) oil wells, gas wells with loading problem and inefficient application of intermittent lift due to high liquid fallback and gas slippage. The problems, such as paraffin and gas hydrate, can be solved successfully. During the course the attendants will be introduced with the most important details in plunger lift operation. Knowing the specific conditions in wells and surface, and using knowledge gained on the course, the participants will be able to select the suitable completion scheme, to select downhole and surface equipment for optimal operation, and finally, to optimize and design plunger lift. Answers to the questions regarding to inefficient plunger operation and troubles are the main objectives in many cases. The subject of the case studies analysis session will be how to manage plunger lift operations.

### DESIGNED FOR

Production engineers, technical personnel involved on fields where plunger lift is applied or where it will be applied.

### YOU WILL LEARN

- Why is plunger lift required in your wells
- Which equipment you need for specific conditions in your well
- How to install, monitor and optimize plunger lift operation
- To do sensitive study of well producing with plunger lift
- To use effectively the unique software suite for intermittent well operation (Glip) developed by CMS Prodex to design properly a plunger lift operation

### COURSE OUTLINE

- Introduction to plunger lift operation
- Application- where and when?
- Downhole equipment and completion
- Surface equipment and monitoring
- Dynamic models
  - Hydrodynamic model
  - Mechanical model
  - Model for specific applications
- Design & Optimization
  - Intermittent gas lift
  - Gas and high GLR wells
- Case studies