

Training - Operation of Gas Lift Wells



GASLIFT-EN-P



Face-to-face only



3 days

This course provides a comprehensive knowledge and know-how of gas lift wells operation. To identify and troubleshoot most common operations issues

Level

Skilled

Public

Control room operators and field operators involved in gas lift wells monitoring and operation

Objectives

Attendees will be able to implement the following skills:

- Explain eruptive or assisted well dynamics, and the operating principles of downhole and surface equipment
- Implement and monitor gas lift wells start-up sequence
- Operate and start-up gas lift wells, identify and troubleshoot gas lift wells instabilities

Pedagogical & technical resources

- Very interactive training by industry specialists
- Numerous teamwork exercises on operation and troubleshooting

Assessment of achievements

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prerequisites

No prerequisites are necessary to follow this course

Responsible

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

HYDROSTATICS & WELL DYNAMICS

0.75 day

Pressure Gradient. Condition for eruptive well:

- Fundamentals of fluid flow. Pressure drop/skin effect.

Wells activation method, stimulation/activation operating principle:

- Evolution of reservoir parameters.
- Common stimulation methods.
- Comparison and selection of activation methods.

GAS LIFT OPERATING PRINCIPLE & ASSOCIATED EQUIPMENT

0.75 day

Gas lift principle:

- Pressure gradient evolution.

Downhole equipment:

- Completion.
- Gas lift valve principle. Different types of valves.

Surface equipment:

- Metrology. Single/multiple wells operation (manual/automatic).

GAS LIFT WELL START-UP METHOD & SEQUENCE

0.75 day

Sequential start-up of gas lift wells:

- Initial start (first start-up).
- Simple Start (after ESD shutdown).
- Start-up problems.

Gas lift wells start-up method:

- Open tubing start-up sequence.
- Closed tubing start-up sequence.

Troubleshooting:

- Stabilization and tuning difficulties.
- Potential problems and associated solutions.

PROS & CONS OF GAS LIFT

0.25 day

TEAMWORK EXERCISES - TROUBLESHOOTING OPERATIONS

0.5 day

To French entities : IFP Training is referenced to DataDock ; you may contact your OPCO about potential funding.
Please contact our disabled persons referent to check the accessibility of this training program : referent.handicap@ifptraining.com