

Gas Lift

General Objectives

The aim of this module is to familiarize participants in gas lift operations. The course will include the purpose of gas lift, the safe operation of the gas lift system, gas lift flow control, gas lift system components, gas quality control, chemical additions, start up and shut down, alarms and trips.

Specific Objectives

At the end of training the trainees will be able to:

- Describe the purpose of a gas lift manifold;
- State from where the gas in the gas lift manifold comes;
- Explain why each well has its own choke and flow recorder;
- List chemicals used in the gas lift process;
- Explain why gas lift is used in wells;
- Define the terms “dry gas” and gas “dew point”;
- Explain why it is important to dry the gas used in the gas lift process;
- List the main parts of the gas lift process;
- Identify the valve line up for starting gas lift;
- Describe how gas lift flow is adjusted;
- Describe how the gas used in the gas lift process is measured;
- Describe how the lift gas flow rate is calculated;
- Develop gas lift optimization skills;
- Develop troubleshooting and cause & effects analysis

Audience

Foremen and operators from the technical and process department who want to improve knowledge in this area

Prerequisites

The prerequisites necessary to attend this course are:

- Have access to a computer or tablet with an Internet connection and a browser (program to browse the web), such as Chrome, Safari, Firefox or Internet Explorer.
- You can access the course from any computer (for example, at home and at the office), tablet or smartphone.

Workload:

24 Hours

Conteúdo Programático

Module 0 – Presentation of Platform and Method of Use

Module I – Theory of Gas Lift

Module II – Quality of Gas for Lifting

Module III – Hydrate Formation and Prevention

Module IV – Control of Gas Lift

Module V – Gas Re-injection

Module VI – Star Pack

Module VII – Safety

Module VIII – Troubleshooting

Metodologia

Este curso tem sempre presente o formador, que irá mesmo dar a formação presencial através da plataforma.

O Formando pode intervir juntamente com o formador ou com os restantes formandos tal como faz na sala de aula.

As apresentações e exercícios serão sempre disponibilizados pelo formador no final de cada sessão de formação.

No final do curso receberá um Certificado de Formação Profissional caso frequente pelo menos 90% das aulas, realize os trabalhos e os testes propostos, participe nas discussões online e tenha avaliação final positiva.

Esta formação é certificada e reconhecida.