

Training - Supervisor on Drilling Simulator



FOSIM-EN-P



Face-to-face only



5 days

This training is designed to help participants understand, manage, analyze and respond properly to a variety of situations. It also helps to remind good practices for the main operations on site by referring to rules (company rules, other API/NORSOK standards, common sense)

Level

Skilled

Public

Personnel of operators, contractors and service companies who will be involved in geothermal, water, storage or oil/gas drilling operations

Objectives

Attendees will be able to implement the following skills:

- prepare the instructions for a given situation using checklists if needed, with the references to the company rules
- manage a prejob safety meeting prior to commence an operation
- follow the operations and control the important parameters
- detect potential problems and react properly using a decision tree if necessary
- manage the problems and adapt the program to the situation (Management Of Change)

Pedagogical & technical resources

- Short reminder in a classroom and application in real-life working conditions on Drilling Simulators
- Systematic debriefing with trainees at the end of each day
- Scenarios can be tailor made according to the needs of the client and the level of the trainees

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

COMMON OBJECTIVES FOR ALL EXERCISES

Reminders of the good practice and the company rules (if any).
Work on the simulators with various situations.
Analyze the situations.
Prepare the instructions.
Manage the prejob/safety meetings.
Follow the ongoing operations.
Detect potential problems.
React properly.
Adapt the program if needed.

TRIPPING

3 hours

Work on the simulators with various situations, prepare the program for the trip or wiper trip in a vertical and deviated well, follow the ongoing operations, drags, torque, swabbing, back reaming, pump out of hole, detect potential problems.

CASING OPERATION

3 hours

Work with various situations, prepare the program to run the casing in the hole, follow the ongoing operations, filling up the casing, drags, surging, detect potential problems, and react properly.

CEMENTING OPERATION

3 hours

Prepare the program for the cementing job in various situations, follow the ongoing operations, regular cement job, kick while cementing, losses and detect potential problems if any, react properly and adapt the program if needed.

LOT & ELOT

3 hours

Prepare the program for the integrity test of the formation, follow the ongoing operations, FIT, LOT, ELOT, detect potential problems, react properly and adapt the program if needed.

CIRCULATION, HOLE CLEANING

3 hours

Work on the simulators with various hole cleaning issues, prepare the program, follow the ongoing operations, PUW, SOW, FRW, ECD, SPP, detect potential problems of hole cleaning, react properly and adapt the program if needed by changing or adjusting hydraulic parameters.

LOSSES

3 hours

Analyze the situation, follow the ongoing operations, drilling, RIH, circulation, detect potential problems of losses (partial or total losses), react properly, adapt the program if needed.

STUCK PIPE

3 hours

Work on the simulators with various stuck pipe situations, follow the ongoing operation, drilling, POOH, jarring, detect potential problems (key seat, differential pressure sticking, packoff), react properly and free the string.

WELL CONTROL IN HORIZONTAL WELL

3 hours

Manage the operations to kill a well with a kick in a horizontal profile.

SHALLOW GAS

3 hours

Work on the simulators with various situations leading to a shallow gas kick, prepare the program to anticipate the problem, follow the ongoing operation, drilling of the top hole, pilot hole, detect potential problems, kick while drilling, kick during pipe connection, kick while POOH, react properly with dynamic killing procedure and diverter use.

WELL CONTROL WITH CP>MAASP

3 hours

Kick exceeding kick tolerance, manage the killing operation, follow the ongoing operation, kick circulation, detect potential problems when CP close to MAASP, react properly avoiding fracture of the formation if possible

and managing the BHP.

Remark: this list is not complete and various other scenarios are available and can be created at the request of the client.

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