Formation - Hydraulic workover units

HWOU-EN-P | Présentiel | 5 jours

This course provides a thorough understanding of HWOU applications and operations

Niveau
Fondamentaux

Public
Engineers, supervisors and professionals involved in workover operations.

Objectifs
Attendees will be able to implement the following skills:

- understand all the equipment on the unit and their functions
- identify specific hazards, their associated risks during operations
- design the workover program
- with some experience supervise the Workover operations using HWOU

Pédagogie & ressources techniques

- Participative lecturing
- Numerous Exercises
- Numerous animations & videos

Évaluation des acquis

- 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

Prérequis
No prerequisites are necessary to follow this course

Responsable
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

Programme

INTRODUCTION: HWOU DOMAIN OF APPLICATION — 3 hours

Well completion/re-completion, installation of ESP pumps, cementing, P&A...
Main advantages of the use of HWOU.

HWOU EQUIPMENT & SPECIFICATIONS — 18 hours

Gin Pole:

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- Specification - Height & Load Capacity driven by driven by BHA/ESP length & wait.
- Cable specs/breaking strength v SWL.
- Pulley load is 2 x winch load/mechanical advantage.
- How is Gin Pole Installed.

Jack Structure:

- Jack components, functioning, hydraulic forces...
- Maintenance & repair.
- Hydraulic manifold: functioning, Option Regen to increase the speed.
- Jack's vibrations: identification & resolution.
- Martin Decker: lecture, oil, bleeding, calibration. Classic errors & resolutions.

Slips:

- Travelling & stationary slips, components & specifications.
- Slips operations & maintenance.

Power Tong:

- Components, functioning & troubleshooting.
- Safety during operations.

Hydraulic Rotary Table:

- Components & specification.
- Torque tubes and issues when drilling/milling due to torque tube length disconnecting hoses unless.
- there is a swivel.
- Kelly joint/hang off point/mousehole to minimize issues at each connection.

Winches:

- CB Winches, payout winch components.
- CB winches vs pauout winches.
- Payout winch troubleshooting.

HPU:

- Components & specifications.
- Assignments.
- Husco valves etc.
- Option for electric units.

Work Basket:

- Components & specifications.
- Safety during operations.

Consoles:

- Operator console.
- Counterbalance console.

HWOU OPERATIONS & PROCEDURES — 6 hours

Rig up/Rig down, pressure test the surface equipment.
POOH existing completion.
Downhole operations.
RIH new completion.
Case study.

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MAJOR RISKS DURING OPERATIONS **1.5 hours**

Pressure control, pipe handling, working at heights, falling objects, ...

KNOWLEDGE ASSESSMENT **1.5 hours**

Sessions

Pau - Du 22/06/2026 au 26/06/2026 **4320 €/HT**

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Pour vérifier l'accessibilité de cette formation à une personne en situation de handicap, contactez notre référent à l'adresse suivante : referent.handicap@ifptraining.com

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