MERCURY

Workover Supervisor School

Dubai - UAE: +971 4 450 5697
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Introduction:

The Workover Supervisor School course equips oil and gas professionals with the technical, managerial, and safety expertise to effectively oversee workover operations. It provides participants with an understanding of well intervention, rig operations, and field supervision responsibilities. The program emphasizes operational excellence, regulatory compliance, and risk management to enhance safety and performance standards.

Through interactive study scenarios and structured modules, learners gain insights into advanced practices in the oilfield sector. The Workover Supervisor School curriculum strikes a balance between technical depth and practical supervisory skills, preparing participants for complex decision-making in the field. They will lead workover operations with competence, confidence, and strategic foresight.

Targeted Groups:

This Workover Supervisor School training targets professionals seeking specialized knowledge and skills:

- Workover supervisors.
- Well intervention engineers.
- Rig managers and toolpushers.
- Field operations supervisors.
- Production engineers.
- HSE officers in oil and gas.
- Maintenance engineers in drilling units.
- Aspiring supervisors in well services.
- Petroleum engineers planning leadership roles.
- Professionals moving into workover management.

Targeted Competencies:

Participants will gain the following competencies during the Workover Supervisor School program:

- Strong technical knowledge of workover operations.
- Leadership in supervising field teams.
- Risk assessment and problem-solving skills.
- Effective planning and scheduling of operations.
- Regulatory compliance and safety enforcement.
- Analytical ability for well data interpretation.
- Equipment management and reliability focus.
- Decision-making under operational pressure.
- Clear communication with multi-disciplinary teams.
- Strategic cost management in field operations.

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Course Objectives:

Participants will achieve the following objectives by completing the Workover Supervisor School course:

- Understand the fundamentals of well workover operations.
- Identify tools, equipment, and processes used in workover rigs.
- Apply safety procedures and risk mitigation strategies effectively.
- Analyze well conditions and propose intervention plans.
- Evaluate operational performance using technical data.
- Lead cross-functional workover teams with confidence.
- Manage equipment reliability and minimize downtime.
- Ensure compliance with industry regulations and standards.
- Interpret well schematics for effective planning.
- Develop cost-efficient operational strategies.
- Solve operational challenges through structured decision-making.
- Communicate technical requirements to diverse stakeholders.
- Adapt supervisory approaches to complex field conditions.
- Improve productivity through continuous operational monitoring.
- Demonstrate accountability in resource and personnel management.

Studying Scenarios:

In this Workover Supervisor School training, participants will develop their skills through the analysis of the following scenarios:

- Managing unexpected well pressure surges during operations.
- Handling rig equipment malfunction under time constraints.
- Leading multicultural crews in remote field locations.
- Addressing regulatory audits during live operations.
- Mitigating Safety Incidents in Confined Rig Spaces.
- Optimizing workover strategies under budget limitations.
- Coordinating with production teams for seamless transitions.
- Implementing contingency plans in severe weather conditions.
- Managing conflicts within field teams effectively.
- Resolving wellbore complications impacting production timelines.

Course Content:

Unit 1: Fundamentals of Workover Operations:

- Introduction to workover operations in oil and gas fields.
- Key differences between drilling and workover processes.
- Overview of Well Intervention Methods and Tools.
- Roles and Responsibilities of a Workover Supervisor.
- Basic well architecture and completion components.
- Types of rigs and equipment used in workovers.
- Importance of safety in well intervention.
- Regulatory frameworks governing workover operations.
- Industry standards and best practices in oilfield operations.

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Unit 2: Well Integrity and Intervention Planning:

- Understanding well the integrity principles.
- Common causes of well failures and integrity loss.
- Wellbore diagnostics and evaluation techniques.
- Planning effective intervention operations.
- Developing oil and gas well schematics for intervention.
- Pressure control and wellhead equipment basics.
- Tubing, packers, and completion components.
- Workover fluids and their applications.
- Integrating production data in intervention planning.

Unit 3: Equipment, Tools, and Technologies:

- Overview of workover rigs and hoisting systems.
- Downhole tools used in workover operations.
- Wireline, slickline, and coiled tubing technologies.
- Fishing operations and recovery techniques.
- Cementing operations in workover projects.
- Handling casing leaks and liner repairs.
- Blowout preventers and pressure control systems.
- Rig maintenance and inspection requirements.
- Emerging digital technologies in well interventions.

Unit 4: Supervisory Roles, Safety, and Risk Management:

- Leadership responsibilities of a workover supervisor.
- Supervising daily rig operations and crew coordination.
- Implementing HSE protocols in workover projects.
- Identifying hazards and risk mitigation strategies.
- Emergency response and contingency planning.
- Incident reporting and root cause analysis.
- Communication protocols in rig environments.
- Managing time and resources effectively.
- Building a safety-first workover culture.

Unit 5: Advanced Workover Practices and Case Studies:

- Advanced stimulation and production enhancement methods.
- Artificial lift systems and integration with workovers.
- Sand control and gravel packing during interventions.
- Handling high-pressure and high-temperature wells.
- Cost optimization in workover planning.
- Digital monitoring and predictive maintenance.
- Case study: Offshore workover challenges.
- Case study: Complex wellbore recovery operations.
- Lessons learned from global workover projects.

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Final Insights & Key Takeaways:

This Workover Supervisor School course provides participants with essential supervisory, technical, and safety expertise in oil and gas workover operations. The structured learning path ensures practical knowledge for real-world applications. Participants will lead with operational confidence, regulatory awareness, and technical proficiency.