Training course on Work-over and Completion Operations

Professional Development Training Course Outline

Category	Business	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

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Introduction

Training Course on Work-over and Completion Operations is designed for oil and gas professionals who seek to deepen their understanding of the processes involved in completing and maintaining wells. Work-over operations are critical for enhancing production, maintaining well integrity, and maximizing the lifespan of oil and gas wells. This course provides participants with comprehensive insights into the technical, operational, and safety aspects of work-over and completion activities.

Participants will explore various methodologies and technologies used in well completion and work-over operations, including the latest advancements in equipment and techniques. The course emphasizes the importance of planning and executing work-over operations efficiently while adhering to safety and regulatory standards. Through interactive discussions, case studies, and hands-on activities, attendees will gain practical knowledge that can be applied in real-world scenarios to optimize well performance and minimize downtime. By the end of the program, participants will be equipped with the essential skills to effectively manage work-over and completion operations, ensuring operational excellence and contributing to the overall success of oil and gas projects.

Course Objectives

1. Understand the fundamentals of work-over and completion operations.
2. Identify the different types of completion techniques.
3. Develop skills for planning and executing work-over operations.
4. Familiarize with equipment and technologies used in work-overs.
5. Analyze well performance and integrity assessment methods.
6. Implement safety practices and regulatory compliance in operations.
7. Explore techniques for enhancing production during work-overs.

8. Evaluate the economic aspects of work-over operations.
9. Understand the role of reservoir engineering in completion strategies.
10. Analyze case studies of successful work-over projects.
11. Engage in problem-solving related to completion challenges.
12. Prepare for future trends and innovations in work-over technologies.
13. Techniques for wellbore cleaning and preparation

Target Audience

1. Petroleum Engineers
2. Production Engineers
3. Well Services Personnel
4. Field Supervisors
5. Project Managers
6. Safety Officers
7. Graduate Students in Petroleum Engineering
8. Technical Support Staff

Course Duration: 10 Days

Course Modules

Module 1: Introduction to Work-over and Completion Operations

- Overview of oil and gas well life cycles.
- Importance of work-over and completion in reservoir management.
- Key terminology and concepts in completion operations.
- Historical developments in completion technologies.
- Case studies illustrating successful work-over operations.

Module 2: Types of Completion Techniques

- Overview of completion methods: open hole, cased hole, and others.
- Selecting the appropriate completion technique based on reservoir characteristics.
- Advantages and disadvantages of different completion types.
- Techniques for wellbore cleaning and preparation.
- Practical exercises on completion technique selection.

Module 3: Planning Work-over Operations

- Steps in planning a work-over operation.
- Assessing well conditions and determining intervention needs.
- Developing work-over programs and timelines.
- Budgeting and resource allocation for work-overs.
- Risk assessment and management in planning.

Module 4: Equipment and Technologies for Work-overs

- Overview of equipment used in work-over operations (e.g., rigs, pumps).
- Technologies for well intervention and completion.

- Latest advancements in work-over equipment.
- Maintenance and inspection of work-over tools.
- Hands-on demonstrations of key equipment.

Module 5: Well Performance and Integrity Assessment

- Techniques for assessing well performance.
- Methods for evaluating well integrity and potential issues.
- Pressure testing and monitoring techniques.
- Analyzing production data for decision-making.
- Case studies on integrity assessment outcomes.

Module 6: Safety Practices and Regulatory Compliance

- Importance of safety in work-over operations.
- Understanding regulations governing work-over activities.
- Developing safety management systems for operations.
- Emergency response planning and risk mitigation.
- Case studies on safety incidents and lessons learned.

Module 7: Enhancing Production During Work-overs

- Techniques for optimizing production during work-over interventions.
- Strategies for well stimulation and enhancement.
- Evaluating economic feasibility of production enhancement methods.
- Real-world examples of successful production enhancement.
- Practical exercises on production optimization strategies.

Module 8: Economic Aspects of Work-over Operations

- Cost analysis of work-over activities.
- Evaluating the return on investment (ROI) for work-overs.
- Financial modeling for work-over projects.
- Budgeting and forecasting for completion operations.
- Case studies on economic evaluations.

Module 9: Reservoir Engineering and Completion Strategies

- Overview of reservoir engineering principles.
- Integrating reservoir engineering with completion planning.
- Techniques for reservoir characterization.
- Analyzing reservoir behavior and its impact on completion.
- Collaboration between engineers and geoscientists.

Module 10: Case Studies in Work-over Operations

- In-depth analysis of successful work-over projects.
- Lessons learned from challenges encountered in past operations.
- Group discussions on case study findings.
- Identifying best practices from real-world examples.

- Applying case study insights to future operations.

Module 11: Problem-Solving in Completion Challenges

- Common challenges faced during work-over operations.
- Techniques for troubleshooting and problem-solving.
- Engaging teams in collaborative problem resolution.
- Role-playing scenarios to practice problem-solving skills.
- Strategies for continuous improvement in operations.

Module 12: Future Trends in Work-over Technologies

- Emerging technologies in work-over and completion operations.
- The impact of digitalization and automation on operations.
- Innovations in materials and techniques for completions.
- Preparing for the future: sustainability and environmental considerations.
- Discussions on the evolving landscape of the oil and gas industry.

Training Methodology

- **Interactive Workshops:** Facilitated discussions, group exercises, and problem-solving activities.
- **Case Studies:** Real-world examples to illustrate successful community-based surveillance practices.
- **Role-Playing and Simulations:** Practice engaging communities in surveillance activities.
- **Expert Presentations:** Insights from experienced public health professionals and community leaders.
- **Group Projects:** Collaborative development of community surveillance plans.
- **Action Planning:** Development of personalized action plans for implementing community-based surveillance.
- **Digital Tools and Resources:** Utilization of online platforms for collaboration and learning.
- **Peer-to-Peer Learning:** Sharing experiences and insights on community engagement.
- **Post-Training Support:** Access to online forums, mentorship, and continued learning resources.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

- Participants must be conversant in English.
- Upon completion of training, participants will receive an Authorized Training Certificate.
- The course duration is flexible and can be modified to fit any number of days.
- Course fee includes facilitation, training materials, 2 coffee breaks, buffet lunch, and a Certificate upon successful completion.

- One-year post-training support, consultation, and coaching provided after the course.
- Payment should be made at least a week before the training commencement to Fineskill Training Center account, as indicated in the invoice, to enable better preparation.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

Ready to enroll or request a customized program? Book online or contact us:

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