



HARNESS THE POWER
OF KNOWLEDGE

**Start-up and Neutralization of
Wells: Mastering Strategies and
Procedures for Safe and Efficient
Well Bring-on and Shut-in**

TRAIN



Course Overview:

Start-up and neutralization of wells are critical aspects of oil and gas production, ensuring the safe and efficient bring-on of new wells and the proper shut-in of existing wells

This comprehensive 5-day professional training course will provide a thorough understanding of start-up and neutralization principles, procedures, and best practices for managing well transitions

Course Objectives:

By the end of this course, participants will be able to:

1

Grasp the fundamental principles of well start-up and neutralization and their importance in oil and gas production

2

Identify the different stages of well start-up and neutralization and the associated risks and challenges

3

Understand the regulatory framework and operational standards governing well start-up and neutralization practices

4

Apply well start-up procedures, including wellbore cleanout, flowline testing, and production optimization

5

Implement well neutralization techniques, such as wellbore isolation, fluid displacement, and corrosion protection

6

Develop contingency plans for handling potential problems during well start-up and neutralization

7

Integrate well start-up and neutralization strategies with reservoir management practices to ensure safe and efficient production

Course Agenda:

Day 1: Introduction to Well Start-up and Neutralization

- Delve into the history and evolution of well start-up and neutralization practices in oil and gas production
- Explore the regulatory framework and operational standards governing well start-up and neutralization activities
- Discuss the economic significance of well start-up and neutralization in maximizing production and minimizing downtime
- Analyze the different types of wells and their specific start-up and neutralization considerations

Day 2: Well Start-up Procedures and Risk Management

- Identify the different stages of well start-up, including pre-start-up planning, wellbore cleanout, flowline testing, and production optimization
- Discuss the principles and applications of wellbore cleanout techniques, such as swabbing, jetting, and coiled tubing
- Analyze flowline testing procedures to ensure the integrity and efficiency of production lines
- Implement production optimization strategies to maximize well productivity from the start

Day 3: Well Neutralization Techniques and Contingency Plans

- Understand the different reasons for well neutralization, such as reservoir depletion, economic considerations, and environmental regulations
- Discuss the principles and applications of wellbore isolation techniques, such as cement plugs and bridge plugs
- Analyze fluid displacement methods to ensure proper wellbore condition and prevent formation damage
- Implement corrosion protection measures to safeguard wellbore integrity during neutralization

Day 4: Case Studies and Emerging Trends in Well Start-up and Neutralization

- Analyze real-world case studies of successful well start-up and neutralization projects
- Discuss emerging trends in well start-up and neutralization technologies, such as digital twins, real-time monitoring, and data-driven decision-making
- Explore advanced well testing techniques and data interpretation methods

Day 5: Integrating Well Start-up and Neutralization with Reservoir Management

- Integrate well start-up and neutralization strategies with reservoir management practices to optimize field development and maximize recovery
- Analyze the impact of well start-up and neutralization on reservoir performance and production forecasts
- Discuss the role of real-time monitoring and data analytics in optimizing well start-up and neutralization
- Network with other professionals from diverse backgrounds within the oil and gas industry to share knowledge and experiences in well start-up and neutralization

Who Should Attend:

- Petroleum engineers, reservoir engineers, and production engineers involved in well start-up, well neutralization, and reservoir management
- Field supervisors, wellsite engineers, and production operators responsible for overseeing well start-up and neutralization operations
- Well start-up and neutralization equipment manufacturers and service company personnel engaged in well start-up, neutralization design, implementation, and monitoring technologies

Course Benefits:

- Develop a comprehensive understanding of well start-up and neutralization principles, procedures, and best practices
- Gain hands-on experience in well start-up and neutralization techniques, contingency planning, and reservoir management through case studies and real-world scenarios
- Enhance your ability to plan and execute safe and efficient well start-up and neutralization operations
- Stay updated on the latest advancements in well start-up and neutralization technologies and methodologies

Network with other professionals from diverse backgrounds within the oil and gas industry to share knowledge and experiences in well start-up and neutralization