



Monitor Well Productivity & Flow Line Pressure Safety Valve

Course Duration : 5 days

Summary:

This course aims to equip participants with a thorough understanding of monitoring well productivity and maintaining the integrity of flow line pressure safety valves. By combining theoretical sessions, practical exercises, and case studies, participants will develop the skills needed to optimize well performance and improve safety measures in oil and gas operations.

Objective:

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

- Understand the fundamentals of well productivity monitoring.
- Gain insights into advanced well production analytics.
- Familiarize participants with different types of safety valves and their applications.
- Develop skills in safety valve installation, maintenance, and troubleshooting.
- Learn to integrate well monitoring and safety valve management for effective well control.

Contents:

Fundamentals of Well Productivity Monitoring

- Introduction to Well Productivity
- Significance of Effective Monitoring
- Types of Well Monitoring Systems
- Key Parameters for Well Performance
- Hands-on Exercise: Setting up Basic Monitoring Parameters



Advanced Well Production Analytics

- Real-time Data Acquisition Techniques
- Interpretation of Downhole Measurements
- Surface Pressure and Temperature Analysis
- Flow Rate Monitoring Strategies
- Case Studies on Successful Well Optimization

Introduction to Flow Line Pressure Safety Valves

- Overview of Flow Line Pressure Safety Valves
- Types of Valves and Their Applications
- Regulatory Standards and Compliance
- Importance of Safety Valve Integrity
- Practical Session: Safety Valve Components and Functions

Safety Valve Installation and Maintenance

- Proper Installation Procedures
- Routine Maintenance Protocols
- Troubleshooting Common Valve Issues
- Importance of Regular Testing and Inspections
- Simulation Exercise: Safety Valve Installation and Testing

Integrated Well Management and Safety

- Data Integration for Holistic Well Management
- Creating Effective Well Monitoring Plans



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- Emergency Response Planning for Valve Failures
- Ensuring Regulatory Compliance