

13 26.982

**M**

**MOTIVATION**

1 1.0079

**A**

**ACCELERATION**

19 39.098

**S**

**SIMPLIFICATION**

20 40.078

**T**

**TRANSFORMATION**

5 10.811

**E**

**EDUCATION**

18 39.948

**R**

**REALISATION**

5 10.811

**E**

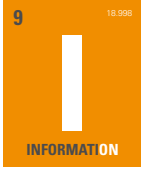
**EVALUATION**

4 9.0122

**D**

**DEDICATION**

MASTERING THE OIL & GAS INDUSTRY WITH **UPSTREAM ONLINE TRAINING**



# INTERACTIVE ONLINE TRAINING

## FOR MASTERING UPSTREAM OIL & GAS INDUSTRY PROCESSES

SGS and PetroEd Multimedia, Inc. have combined their expertise to provide interactive online technical training for the upstream oil and gas industry.

The eLearning modules fall into four main categories and are sub-divided into sections and levels within this, each with a suggested study time:

### DRILLING FUNDAMENTALS

Advanced Drilling – 2 hours

- Bit Hydraulics

Horizontal Drilling – 4 hours

- Horizontal Drilling 1 - Introduction to Horizontal Drilling
- Horizontal Drilling 2 - Horizontal Drilling, Volume 2

Kick Detection – 2 hours

- Kick Detection

Oilwell Drilling – 20 hours

- Oilwell Drilling 1 - Introduction to Rig Types and Basic Drill String Components
- Oilwell Drilling 2 - Basic Blowout Prevention Equipment Components
- Oilwell Drilling 3 - Introduction to Drilling Fluids
- Oilwell Drilling 4 - Mud Circulation and Treating Equipment
- Oilwell Drilling 5 - Hoisting Equipment
- Oilwell Drilling 6 - Rotating Equipment, Mast, and Substructure
- Oilwell Drilling 7 - Pipe Handling
- Oilwell Drilling 8 - Casing and Cementing
- Oilwell Drilling 9 - Well Logging, Mud Logging, and Drill Stem Testing
- Oilwell Drilling 10 - Power Systems and Instrumentation

Cementing – 2 hours

- Primary Cementing

Underbalanced Drilling – 2 hours

- Underbalanced Drilling

Well Control Fundamentals – 8 hours

- Well Control Fundamentals 1 - Basic Concepts of Pressure
- Well Control Fundamentals 2 - Pressures in a Well
- Well Control Fundamentals 3 - The Drillers Well Control Method
- Well Control Fundamentals 4 - It-and-weight Control Method

Introduction to Well Control – 14 hours

- Introduction to Well Control 1 - Well Control Equipment
- Introduction to Well Control 2 - Units of Measure
- Introduction to Well Control 3 - Hydrostatic Pressure
- Introduction to Well Control 4 - Pressure Balance
- Introduction to Well Control 5 - Causes of Kicks
- Introduction to Well Control 6 - Controlling the Well
- Introduction to Well Control 7 - Restoring the Well

### GENERAL PETROLEUM

Basic Oilfield Mathematics – 4 hours

- Basic Oilfield Mathematics 1 - Introduction to General Mathematical Calculations 1
- Basic Oilfield Mathematics 2 - Introduction to General Mathematical Calculations 2

Basic Principles of Petroleum – 14 hours

- Basic Principles of Petroleum 1 - Geology of Petroleum

- Basic Principles of Petroleum 2 - Exploration for Oil and Gas
- Basic Principles of Petroleum 3 - Drilling Operations Basics
- Basic Principles of Petroleum 4 - Production of Oil and Gas
- Basic Principles of Petroleum 5 - Petroleum Refining Process
- Basic Principles of Petroleum 6 - Transportation, Distribution and Delivery of Oil and Gas
- Basic Principles of Petroleum 7 - Marketing Petroleum Products

Reservoir Engineering Primer – 4 hours

- Reservoir Engineering Primer 1 - Reservoir Engineering Primer
- Reservoir Engineering Primer 2 - Oil and Gas Reservoirs

### HEALTH, SAFETY & ENVIRONMENT

Crane Safety – 4 hours

- Crane Safety 1 - An Introduction to Offshore Pedestal Cranes and their Safe Operation 1
- Crane Safety 2 - An Introduction to Offshore Pedestal Cranes and their Safe Operation 2

H2s Safety in Production Operations – 2 hours

NORM in the Petroleum Industry – 2 hours

Oil Spill Volume Estimation – 2 hours

### PRODUCTION OPERATION

Artificial Lift – 12 hours

- Electrical Submersible Pumps 1
- Electrical Submersible Pumps 2
- Gaslift 1
- Gaslift 2
- Sucker Rod Pump 1
- Sucker Rod Pump 2

#### Oilfield Metering Primer – 6 hours

- Gas Metering 1
- Gas Metering 2
- Liquid Metering 1

#### Slickline Operations – 10 hours

- Slickline Operations 1 - An Introduction to the Types and Applications of Wireline and Slickline
- Slickline Operations 2 - An Introduction to the Major Components of the Wireline Toolstring
- Slickline Operations 3 - An Introduction to the Safe Deployment and Operation of Equipment
- Slickline Operations 4 - An Introduction to the Basic Wireline Tools
- Slickline Operations 5 - An Introduction to Gas Lift
- Slickline Operations Operations Abbreviations

#### Completion Technologies – 4 hours

- Subsurface Safety Valves
- Perforating Fundamentals

#### Surface Facilities Primer – 8 hours

- Coupling Alignment
- Reciprocating Compressors
- Surface Facilities 1
- Surface Facilities 2

The training program is fully functional and ready to go. Within just 48 hours the complete eLearning resource can be available to all your staff via your company's intranet. This means participants can work at their own pace and fit their studies into their schedule. For areas with limited internet access, the full training course can be provided on CDs as part of a Remote Field Pack Option.

Modules can be taken in order or the resource can be used to study specific sections that your employees wish to focus on. When a module is completed with an assessment score of 70% or more the participant receives a 'Certificate of Completion'. The interface tracks the progress of students online and synchronises this with an offline copy of the information.

The content of the courses can be flexible, with changes, amendments and adaptations all possible. Examples can be made more specific to your business with the addition of your own scenarios, presentations, videos and technical manuals. This means that as the business environment changes, the course material can be kept up-to-date. In addition, should your company be complementing the online training with any classroom based courses, the course tutor can access and use content from the online resource.

All the training modules are available with voice over's in variety of languages. These are the languages most commonly used within the oil and gas industry: English, French, Spanish, Portuguese, Russian, Indonesian, Arabic and Thai. There is also a second version of the English voice-overs available, known as 'Modified English™', which has been slowed down for users who speak English as a second language. Further to this, employees who speak more than one language or who are trying to learn a language can switch between two languages within a learning session.

For any issues that you may have with the online learning facilities, SGS in partnership with PetroEd offers you a fast response technical support service so they can be quickly and easily overcome.

The training is ideal for all your employees working within the upstream sector and therefore involved in the exploration and production processes for crude oil and natural gas.

#### TRAINING BENEFITS

As a result of the training, your employees will have a complete and thorough understanding of every detail related to drilling oil fields and well control, petroleum and its production and all the relevant health and safety issues. This undoubtedly ensures they operate effectively within your business using the knowledge gained to improve your own processes, to cut costs and to maximise profits.

#### WHY SGS?

SGS is the world's leading inspection, verification, testing and certification company. Recognised as the global benchmark for quality and integrity, we employ over 64 000 people and operate a network of more than 1 250 offices and laboratories around the world. We are constantly looking beyond customers' and society's expectations in order to deliver market leading services wherever they are needed.

We provide innovative services and solutions for every part of the oil, gas and chemicals industry. Our global network and dedicated team allow us to respond to your needs, when and where they occur. Our reputation for independence, excellence and innovation has established us as the market leader in providing services that improve efficiency, reduce risk and deliver competitive advantage for you.

#### WHY PETROED?

Based in the USA, with clients across the globe, PetroEd has been developing computer based interactive multimedia training solutions for the oil and gas industry for more than 20 years. Covering a wide range of petroleum related subjects PetroEd has developed its eLearning resource to educate the industry as well as to provide it with an on-going professional development program. PetroEd's extensive industry experience has allowed it to create hundreds of hours of media rich computer-based training. It is this expertise that allows PetroEd to meet your training needs in a user-friendly and cost effective manner.

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**TO LEARN HOW SGS IN PARTNERSHIP WITH PETROED CAN HELP YOU WITH YOUR EMPLOYEE TECHNICAL TRAINING, CONTACT [OGC@SGS.COM](mailto:OGC@SGS.COM), OR VISIT [WWW.SGS.COM/OGC](http://WWW.SGS.COM/OGC)**

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