Recommended Books

**Fundamentals of Petroleum, 5th ed.**
The most comprehensive manual of its kind!
This unique book is geared toward the broad spectrum of workers involved in today's petroleum industry. From geology and exploration through drilling, production, refining, and environmental concerns, this easy-to-read text takes readers on a full-scale journey that help bring energy to consumers' doorsteps. Covers the basics along with technological advancements. Colorfully illustrated. Divided in five distinct parts. 2011, 720 pp.

*Also available with an Online Assessment as a Distance Learning Certificate Program. Glossary terms are provided in A Dictionary for the Oil and Gas Industry, 2nd Edition.*

**A Dictionary for the Oil and Gas Industry, 2nd ed.**
A reliable resource of over 12,000 definitions of terms used throughout the oil and gas industry. Illustrated, easy to use. Includes industry associations, key government agencies, lists of common abbreviations, SI units, and metric equivalents. 2011, 336 pp.

**A Primer of Oilwell Drilling, 7th ed.**
A Basic Training Text on Oil and Gas Drilling
The backbone of quality training and teaching programs worldwide, this long-standing PETEX book remains top of the list among educational content for today's petroleum personnel. Subject-matter expert Dr. Paul M. Bommer of The University of Texas at Austin has taken this industry staple to a new level, while preserving it as the comprehensive first reader of the oilwell drilling industry. Covers drilling processes on land and offshore from exploration to well completion. Fully illustrated. With a helpful glossary and index. Originally constructed in cooperation with the International Association of Drilling Contractors (IADC). 2008, 264 pp. Also includes 20” × 24” full-color Rotary Rig and Its Components Poster.

*Also available with an Online Assessment as a Distance Learning Certificate Program.*

OTHER PETEX COURSES

- Advanced Petroleum Measurement (third of three levels)
- Completion and Workover
- Field Handling of Natural Gas—Emphasis on Engineering
- Field Handling of Natural Gas—Emphasis on Operations
- Fundamentals of Petroleum Measurement (first of three levels)
- Hydraulics for Pipeline Engineers
- Hydraulics for Pipeline Operators
- Intermediate Petroleum Measurement (second of three levels)
- LNG: Basics of Liquefied Natural Gas
- Mass Measurement of Hydrocarbon Fluids
- Natural Gas Measurement—Fundamentals
- Natural Gas Measurement—Design/Application/Inspection
- Natural Gas Measurement—Electronic Flow Measurement
- Natural Gas Measurement—Sampling and Analysis
- Pipeline Technology
- Plant Processing of Natural Gas—Emphasis on Engineering
- Plant Processing of Natural Gas—Emphasis on Operations
- Production Technology
- Valves and Actuators—Operation and Maintenance
- ValvePro® Certified Valve Maintenance Technician

Enrollment Information
Your company is invited to participate in these training programs. For additional information, contact—

PETEX Learning and Assessment Center
The University of Texas
4702 North Sam Houston Parkway West, Suite 800
Houston, TX 77086
Tel: 800.687.7052
or 281.397.2440
FAX: 281.397.2441
Email: plach@www.utexas.edu

November, 2014
PETEX Instructor-Led Introductory Courses

All course sections taught by professionals with experience in the field!

**Petroleum Fundamentals**
3.3 CEUs, 35 CPEs for Texas Accountants (no prerequisites required), 30 CEs for TDI licensees, 27 CEs for Texas Landmen

**Length:** 4.5 Days

Covers the basics of petroleum, starting with industry terminology, geology, exploration, and leasing. Reviews drilling, production, transportation, equipment usage, and operating procedures upstream, midstream, and downstream. Addresses safety, economics and regulatory concerns. Customized, condensed course versions available.

**Course Content**
PETROLEUM GEOLOGY AND EXPLORATION
ASPECTS OF LEASING
DRILLING RIG COMPONENTS AND PERSONNEL
ROUTINE AND NONROUTINE DRILLING OPERATIONS
WELL CONTROL
PRODUCTION OPERATIONS
PETROLEUM TRANSPORTATION OFFSHORE AND ONSHORE
REFINING AND PROCESSING
MACROECONOMIC OUTLOOK OF THE UPSTREAM OIL AND GAS BUSINESS

**Recommended For**
New employees; attorneys; insurance, finance, accounting, and administrative personnel; and anyone who needs an overview of the petroleum industry.

**Included with Course**
- Catered lunch daily; beverages and snacks provided
- Industry field trip
- Course materials including instructor presentations

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**Rig School™ (Introduction to Offshore Operations)**
3.3 CEUs, 35 CPEs for Texas Accountants (no prerequisites required), 30 CEs for TDI licensees, 27 CEs for Texas Landmen, and 2.75 MCLEs for Texas Lawyers

**Length:** 4.5 Days

Provides the basics of offshore drilling operations. Explains the environment, logistics, equipment, procedures, safety requirements, emergency response, and regulations unique to petroleum exploration, drilling, and production activities offshore. Includes an overview of petroleum economics and investment decision-making specific to the offshore industry.

**Course Content**
GEOLOGY AND GEOPHYSICS IN OFFSHORE EXPLORATION
OFFSHORE LEASE ACQUISITION
OFFSHORE DRILLING AND PRODUCTION
WELL PLANNING AND BUSINESS ASPECTS
MARITIME AND STATE LAW AND OFFSHORE REGULATIONS
OFFSHORE STORAGE AND TERMINALS
OFFSHORE CATASTROPHES AND EMERGENCY RESPONSE
INSURANCE FOR OFFSHORE OPERATION
ECONOMICS OF OFFSHORE EXPLORATION AND DEVELOPMENT

**Recommended For**
New employees; attorneys; insurance, finance, and administrative personnel; and anyone who needs basic knowledge of offshore operations.

**Included with Course**
- Catered lunch daily; beverages and snacks provided
- Industry field trips
- Evening social and networking events
- Course materials including instructor presentations

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**Elementary Drilling—Two Options**

**Elementary Drilling—Offshore**
3.0 CEUs, 25 CPEs for Texas Accountants, and 22.5 CEs for Texas Landmen

**Length:** 4 Days

Covers basic rotary drilling practices and rotary rig components on offshore rigs. Reviews well planning, rig systems, directional drilling, well control, fishing, and well completion.

**Course Content**
INTRODUCTION TO PETROLEUM
WELL PLANNING
TYPES OF DRILLING RIGS
POWER, HOISTING, ROTATING, AND CIRCULATING SYSTEMS
BLOWOUT PREVENTER SYSTEM
DRILLING OPERATIONS
WELL COMPLETIONS

**Elementary Drilling—Onshore**
3.0 CEUs, 27 CPEs for Texas Accountants, and 22.5 CEs for Texas Landmen

**Length:** 4 Days

Covers basic rotary drilling practices and rotary rig components on onshore rigs. Reviews well planning, rig systems, directional drilling, well control, fishing, and well completion.

**Course Content**
INTRODUCTION TO PETROLEUM
WELL PLANNING
TYPES OF DRILLING RIGS
POWER, HOISTING, ROTATING, AND CIRCULATING SYSTEMS
BLOWOUT PREVENTER SYSTEM
DRILLING OPERATIONS
WELL COMPLETIONS

**Both Courses are Recommended For**
Entry-level drilling personnel and those not directly involved in drilling but who need to know basic drilling principles and nomenclature.

**Included with Both Courses**
- Catered lunch daily; beverages and snacks provided
- Industry field trip
- Course materials including instructor presentations
- Recommended book: A Primer of Oilwell Drilling, 7th edition