

OTHER PETEX COURSES

Advanced Petroleum Measurement
Basic Petroleum Measurement
Completion and Workover
Economics of the Petroleum Industry—Risk and Uncertainty
Electrical Maintenance Fundamentals
Electrical Maintenance—Equipment and Application
Elementary Electronics for Nonelectrical Personnel
Engine and Compressor Operations
Field Handling and Plant Processing of Natural Gas
Gauging, Testing, and Running of Lease Tanks
Hydraulics for Pipeline Engineers
Hydraulics for Pipeline Operators
Instruments and Controls
Introduction to Programmable Logic Controllers
LNG—Basics of Liquefied Natural Gas
Mass Measurement of Hydrocarbon Fluids
Natural Gas Measurement—Design/Application/Inspection
Natural Gas Measurement—Electronic Flow Measurement
Natural Gas Measurement—Fundamentals
Natural Gas Measurement—Sampling and Analysis
Petroleum Fundamentals
Pipeline Technology
Production Technology
Reciprocating Compressor/Prime Mover Operation
Supervisory Control and Data Acquisition Systems (SCADA)
Valves and Actuators (Operation and Maintenance)

Enrollment Information

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

Houston Training Center
The University of Texas
2700 W. W. Thorne Blvd.
Houston, TX 77073
Tel: 800.687.7052
or 281.443.7144
FAX: 281.443.8722
Email: petexhtc@www.utexas.edu



For more info about PETEX, check out our Web site at www.utexas.edu/ce/petex



THE UNIVERSITY OF TEXAS
CONTINUING EDUCATION
PETROLEUM EXTENSION SERVICE
1 University Station, R8100
Austin, TX 78712-1100



THE UNIVERSITY OF TEXAS



PETEX Introductory Drilling Courses

- Introduction to Offshore Operations
- Elementary Drilling



Introduction to Offshore Operations

3.3 CEUs, 32 CPEs for Texas* Accountants (no prerequisites required), 30 CEs for TDI licensees, 27 CEs for Landmen, and 3 MCLEs for Texas Lawyers

Length: 4½ Days

GEOLOGY AND GEOPHYSICS IN OFFSHORE EXPLORATION

- Rock types, depositional systems, and structure
- Petroleum systems
- Geophysical (seismic) acquisition

OFFSHORE LEASE ACQUISITION

- Regulatory overview
- Leasing process
- Lease sale process
- Bidding process
- Lease terms
- Awarding leases
- Partnerships

DRILLING

- Basic drilling process and terms
- Well planning and business aspects
- Special operations
- Drilling—Offshore considerations

OFFSHORE PRODUCTION

- Processing of production fluids from platform wells
- Safety shut-in systems
- Subsea production system
- Gas handling and compression
- Disposal of produced H₂O, H₂S

MARITIME AND STATE LAW

- What law applies
- General maritime law
- Personal injury
- Seaman causes of action
- Typical offshore claims
- Oilfield contracts
- Risks under contracts
- Various states and maritime indemnity law
- Risk sharing

OFFSHORE REGULATIONS

- Drilling
- Production

**If you are a member of a professional organization from a foreign country or a state other than Texas, your organization may award professional credits based on these Texas approvals. Call 512.471.5979 for more information.*

Introduction to Offshore Operations, cont.

OFFSHORE STORAGE AND TERMINALS

- Offshore storage types
- Offshore storage options

OFFSHORE CATASTROPHES AND EMERGENCY RESPONSE

- Catastrophes
- Lessons learned
- Responding to emergencies

INSURANCE FOR OFFSHORE OPERATION

- Personnel
- Accidents, blowouts, and weather
- O.E.E./E.E.D. insurance
- Rating areas
- Property insurance

THE ECONOMICS OF OFFSHORE EXPLORATION AND DEVELOPMENT, AN INVESTMENT DECISION-MAKING VIEW

Recommended For

New employees; attorneys; insurance and financial employees; secretaries; clerks; and anyone who needs a basic knowledge of offshore operations

Elementary Drilling

3.3 CEUs, 32 CPEs for Texas* Accountants (no prerequisites required), 27 CEs for Landmen

Length: 4½ Days

HISTORY OF DRILLING FOR OIL AND GAS

PRELIMINARY TO DRILLING

- What oil is and how it is formed
- Exploration
- Types of reservoirs
- Planning the well

DRILLING RIGS

- Rig types
- Moving in and rigging up

THE HOISTING SYSTEM

- Bases (substructures)
- Derricks and masts
- Drawworks
- Driller's control console
- Wirelines
- Traveling assembly
- Weight indicator
- Automatic drillers

Elementary Drilling, cont.

THE ROTATING SYSTEM

- Swivel
- Kelly and kelly drive bushing
- Rotary table
- Top drives
- Rotary torque indicator
- The drill stem
- Downhole motors
- Drilling bits
- Core barrels and coring

POWER AND POWER DISTRIBUTION SYSTEMS

- Prime movers
- Electric drives
- Mechanical drives

DRILLING PROCEDURES

- New terms and acronyms
- Typical drilling procedures step-by-step

THE BLOWOUT PREVENTER SYSTEM

- Purposes of the BOP system
- Well control equipment
- Blowouts and their causes

THE CIRCULATING SYSTEM

- Drilling fluid
- Mud pumps
- Surface connections
- Introduction to downhole hydraulics
- Flow line and accessories
- Solids control devices
- Mud pit equipment

FISHING AND FISHING TOOLS

DIRECTIONAL DRILLING

- Downhole measurements
- Steerable motor concept
- Reference systems and coordinates
- Directional well planning
- Directional drilling tools

WELL COMPLETIONS

- Setting production casing
- Perforating
- Running tubing and installing the christmas tree
- Acidizing
- Fracturing

Recommended For

Entry-level personnel in the drilling industry; personnel not directly involved in drilling but who need basic drilling principles and nomenclature