OTHER PETEX COURSES

Advanced Petroleum Measurement
Basic EOR (Enhanced Oil Recovery)
Basic Petroleum Measurement
Completion and Workover
Electrical Maintenance—Equipment and Application
Electrical Maintenance Fundamentals for Production
  Lease Operations
Elementary Drilling
Elementary Electronics for Nonelectrical Personnel
Engine and Compressor Operations
Field Handling of Natural Gas—Emphasis on Engineering
Field Handling of Natural Gas—Emphasis on Operat.
Gauging, Testing, and Running of Lease Tanks
Hydraulics for Pipeline Engineers
Hydraulics for Pipeline Operators
Instruments and Controls
Introduction to Offshore Operations
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
Pipeline Technology
Plant Processing of Natural Gas—Emphasis on
  Engineering
Plant Processing of Natural Gas—Emphasis on Operat.
  Production Technology
Reciprocating Compressor/Prime Mover Operations
Supervisory Control and Data Acquisition Systems (SCADA)
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—

 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

May, 2009
Petroleum Fundamentals

3.3 CEUs, 32 CPEs for Texas® Accountants (no prerequisites required), 30 CE for TDI licensees, 27 CE for Landmen

Length: 4½ Days

INTRODUCTION TO PETROLEUM
- Defining petroleum
- History of petroleum
- Uses of petroleum

PETROLEUM GEOLOGY AND SEISMIC EXPLORATION
- Hydrocarbons and their origin
- Rock types, depositional environments, and structures
- Petroleum systems
- Petroleum exploration

ASPECTS OF LEASING
- Types of ownership
- The lease and the law
- Preparations for leasing privately owned land
- Provisions of the lease
- Execution of the lease
- Transactions after leasing
- Leasing public lands

DRILLING OPERATIONS
- Engineering technical concepts
- Development of drilling for oil
- Rotary drilling systems
- Routine drilling operations
- Development of offshore drilling
- Mobile offshore drilling units (MODU)
- Offshore drilling platforms
- Directional drilling
- Fishing
- Air or gas drilling
- Completing the well

WELL CONTROL

PRODUCTION
- Early production methods
- Well completion

Petroleum Fundamentals, cont.
- Well testing
- Reservoir stimulation
- Reservoir drive mechanisms
- Artificial lift
- Improved recovery techniques
- Well servicing and workover
- Surface handling of well fluids
- Measuring and testing oil/gas

TRANSPORT OF PETROLEUM—OFFSHORE AND ONSHORE
- Onshore
- Offshore

REFINING AND PROCESSING
- Basics of hydrocarbon relevant to refinery processes
- Processing basics
- Description of main processing steps

MACRO-ECONOMIC OUTLOOK FOR ENERGY, FOSSIL FUELS, AND PETROLEUM

Recommended For
New employees; attorneys; insurance, financial, and accounting employees; secretaries; clerks; or anyone who needs a fundamental overview of the petroleum industry

Economics of the Petroleum Industry—Risk and Uncertainty

3.3 CEUs

Length: 4½ days

Do you need a fundamental understanding of the financial and economic operations of the petroleum industry? Get the answers to these questions:
- What does the future hold?
- How are decisions made and who are the key players in the industry?
- How has the industry evolved?
- What are unconventional resources and what role will they play?
- Is the price of oil too high?
- Will we run out of crude oil?
- What are renewables and do they matter?

This course provides a comprehensive grounding in the economic dynamics of this changing industry.

WHERE WE STAND TODAY

CONVENTIONAL WISDOM

INDUSTRY ECONOMICS AND RESERVES

THE PETROLEUM INDUSTRY PAST TO PRESENT
- Crude oil and natural gas prices
- Consolidation and mergers
- Role of capital markets
- Capital investments
- Last frontiers for exploration
- Forecasting to 2020

FINANCIAL ANALYSIS—KEY DRIVING FORCES

MICRO-ECONOMICS OF THE FIRM

FUTURE OF THE PETROLEUM INDUSTRY

Recommended For

Engineers; senior supervisors; managers; strategic planners and project leaders; accountants and analysts; related industry personnel involved in project economics or purchasing or selling hydrocarbon commodities; and anyone seeking a comprehensive understanding of the economics of the oil and gas industry

*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.