

Petroleum Geology for Non-Geologists

Course Overview

This is an introductory level course that examines aspects of the basic petroleum geology principles and its applications for oil and gas industry business and investment decisions.

Course Objectives

Participants will learn:

- The fundamental principles of oil and gas industry activities.
- How hydrocarbon is explored and developed.
- Clearly understand how risks and uncertainties are inherent part of hydrocarbon exploration and development.
- Understand how and why the global oil and gas distribution.

Course Content

- Petroleum geology overview.
- Petroleum systems, oil and gas accumulation, trapping and commerciality.
- Rock types and reservoir rock properties.
- Oil and gas resources / reserves estimation and classification.
- Exploration and development drilling operations and safety precautions.
- Economic and business elements that affect investment decisions in exploration, appraisal and development.

Course Duration

- 5 Days

Delivery Method

The course will be entirely classroom-based power point presentations with examples of some key practical application and concepts in the hydrocarbon exploration, development and exploitation.

Target Audience

Newly hired Geologists, geophysicists, reservoir engineers and support staff such as accountants, auditors, administrators, finance analysts, human resources, IT and legal involved in oil and gas industry business.

Course Locations & Dates

Miami, USA - December 17-21 (2018) - \$5,500.00

Ghana, Accra - January 21-25 (2019) - \$5,000.00

Houston/Calgary - May 22-26 (2019) - \$5,100.00

Wellsite Operations

Course Overview

Wellsite Operations is a course aimed at describing in detail the functions / responsibilities and duties of the Wellsite Geologists working on the rig site and base office. With wellsite site geology manual, the geologists follow work instructions and guidelines to properly evaluate the rock samples/cuttings and carry out formation evaluation during drilling operations and subsurface data acquisitions (wireline and coring).

Course Objectives

Participants will learn:

- The pre-well, during the well and post well activities.
- Integrated teamwork on the rig site for successful drilling operations, data acquisition, supervision of contractors, operations efficiency and cost optimization.
- Types of data that is acquired (sidewall samples, core, wireline logs, pressure data etc), QC techniques and guidelines, wellsite data management.
- Wellsite activities planning and safety precautions during drilling operations.
- How to analyze and describe core (sidewall and whole core), qualitative quicklook evaluation and interpretation of wireline logs.

Course Content

- Introduction to wellsite and rig familiarization.
- Wellsite geologist activity summary and reporting operations activities (daily/weekly).
- Data Collection and QC - Sample description, mud logging, MWD / LWD etc.
- Coring and core analysis, wireline logging.
- Post well review and final well report.
- Formation pressure evaluation, high temperature high pressure (HTHP) wells.

Course Locations & Dates

Miami, USA - December 10-14 (2018) - \$5,500.00

