

INTRODUCTION TO THE UPSTREAM E & P INDUSTRY

The oil and gas (or petroleum) industry is typically divided into three main sectors – upstream, midstream and downstream. We will focus on the upstream sector that encompasses exploration and production (E&P) of the raw material (oil & gas).

E&P involves locating underground petroleum reservoirs (the subsurface formations that contain crude oil and naturally occurring gas, also referred to as traps), and extracting the discovered oil and gas using drilled wells.

This course covers the following topics:

- Introduction to the Global Petroleum Business
 - Time-line
 - Important drivers that make-up our business
- History of Oil and Gas
 - Origins of Earth and Plate Tectonics
 - Petroleum Generation and Migration
- Upstream (E&P) Business
 - Prospect Generation
 - Legal Agreements
 - Oil & Gas Well Drilling
 - Terminology, main components and procedures
 - Reserves
 - Rock Properties
 - Hydrocarbons
 - Classifications
- Final Thoughts on why Petroleum Remains Important