

PG1 INTRODUCTION TO PETROLEUM GEOLOGY AND DRILLING

PETRO-TEC **IN-HOUSE**

COURSE OVERVIEW

This course is intended to provide oil industry support staff who have no formal training in the geosciences with an understanding of fundamental geological concepts, petroleum geology and how a well is drilled.

WHO SHOULD ATTEND

Personnel who have no training in the geological sciences but who work in a geoscientific or drilling environment in the oil industry. This course will be of great benefit to administrative, economists, technical drafting and secretarial personnel.

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Day 1:

Introduction

Geology

- Structure of the Earth
- Plate Tectonics
- Geologic Time
- Historical Geology
- Rock Types
- Structural Geology

Oil and Gas – Hydrocarbons

- Origin of Hydrocarbons
- Generation Maturation and Migration
- Traps and Seals

Day 2

Drilling a well

- Deciding where to drill
- Defining where to drill

- Rigs and Rig Equipment
- Drilling a well
- Checking for hydrocarbons
- Producing Hydrocarbons

Day 3

Wireline Logging

- General Introduction to Wireline Logging.
- Logging Personnel.
- Logging Tools and Equipment.
- Production Logging.

Sampling and Coring.

Post Drilling Tasks

- Data Collection and Checking.
- Final Well report.
- Testing.

Questions and Answers

THE LECTURER
ONE OF PETRO-TEC CONSULTANTS