



Mud Logging - MDLG

COURSE

About the Course

Mud logging, also known as surface logging, is the creation of a detailed record of a borehole by examining the bits of rock or sediment brought to the surface by the circulating drilling medium (most commonly mud). Mud logging is usually performed by a third-party mud logging company. This provides well owners and producers with information about the lithology and fluid content of the borehole while drilling. Historically it is the earliest type of well log.

Target Audience

New hire geologists and geophysicists; and reservoir, petroleum, and drilling engineers.

You Will Learn

Participants will learn how to:

- Make well to well correlation
- Understand well drilling
- Understand mud logging equipment
- Calculate the lag time and advanced volumes calculations
- Describe the formation cuttings
- Integrate the cuttings evaluation with the drilling parameters
- Interpret all the acquired geological and engineering data at the rig site
- Evaluate the hydrocarbon potential of the formation
- Deal with drilling mud rheology and hydraulics
- Handle, process and describe cores
- Evaluate different types of pressure
- Handle formation pressure to minimize borehole risks

Course Content

- Introduction
- Petroleum geology
- Rig types and their components
- Drilling and completing a well
- Sampling and cuttings analysis

- Volume calculations
- Advanced sample evaluation
- Formation pressures
- Borehole problems

Product Details

Categories: [Upstream](#)

Disciplines: [Petrophysics](#)

Levels: [Foundation](#)

Product Type: [Course](#)

Formats Available: [In-Classroom](#)

Instructors: [PetroSkills Specialist](#) [Amr Elewa](#)