

**Course Name**

GC11. Basic Well Control

**Duration**

Five (5) days

**Objectives**

This course provides participants with the fundamental and practical aspects of well control. The participants will learn about causes and indicators of kick, preventative well-control measures, shut-in procedures and gas migration, the concept of kick tolerance, Driller's, Wait and Weight and Volumetric methods, well control complications and surface and subsea well control equipment. Class problems will be used to develop an understanding of those skills.

**Content**

- Origin and Prediction of Formation Pressures
- Wellbore Pressures and U-Tube Concept
- Causes and Indicators of Kick
- Gas Migration and Kick Tolerance Concept
- Shut-in Procedures
- Driller's and Wait and Weight Methods
- Volumetric Method
- Well Control Complications
- Well Control Equipment
- BOP Stack Arrangements
- Special Problems

**Prerequisites**

Basic knowledge of drilling, drilling fluids and well construction.

**Audience**

Drilling and drilling fluid engineers, superintendents and supervisors, and all professionals involved in well planning and operation.