

Course Name

GC5. Solids Control

Duration

Three (3) days

Objectives

This course provides the participants with a key understanding of solids control equipment design and application from an operational, processing sequence, and economic application perspective. The course offers practical approaches to improve the efficiency and application of each type of solids control equipment. Advanced instruction will also be provided in solids analysis, operation and evaluation for shale shakers, hydrocyclones, centrifuges, degassers, and pumps.

Content

- Introduction
- Side Effects of High Solids Content
- Classification of Solids
- Methods of Solids Separation:
 - Settling Pit
 - Shale Shakers
 - Hydrocyclones
 - Mud Cleaners
 - Decanting Centrifuge
- API Shaker Screen Designation
- Solids Content Calculation
- Arrangement of Solids Control Equipment
- Guidelines for Effective Drilled Solids Removal
- Calculating Solids Removal Efficiency

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.