PE-320 Fundamental of Well logging

Credit Hour
Theory = 2
Practical = 1

Course Content

Introduction
Display of well-log data and graphical conventions, wellbore environment, the physics of mud-filtrate invasion.

Types of logs and its applications
Principles and applications of: temperature logging, caliper logging, gamma-ray logging, spontaneous potential (SP) logging, density logging and litho-density logs, neutron logging, resistivity logging and sonic logging. Modern resistivity logging tools.Joint interpretation of density and neutron log measurements.Well logs interpretation. Cased Hole logging and production Logging. Group activities related to interpretation of real-world well log sand reporting results

Text book

1. H. M. Rider, "The Geological Interpretation of Well Logs" 3rd Revised edition, RiderFrench Consulting Limited, 2011.

Reference Book

1. O. Serra, "Fundamental of Well Log Interpretations", 3rd Impression, Elsevier Science Publishers, 1988.