

Reservoir

Reference : IWTA-E

Who should attend

This course is especially designed for junior petroleum engineers who have limited knowledge and experience with well testing.

Instructor

Moncef CHEKIR

Duration

3 days

Location

Monastir

Language

English

Fees/Trainee

1 000 DT



Course Content

1. Review of basic rock & produced fluid properties
2. Review of well performance and production data
3. Well testing
 - What is a well test
 - Objectives of a well test
 - The different types of well test
 - Basic theory
 - Drawdown (BB)/Build up (BU) tests
 - Basic analysis steps for DD & BU steps (semi-log Horner plot):
 - Wellbore storage effects
 - Permeability calculation (k)
 - Skin effect calculation (S)
 - Average static reservoir pressure (P*)
 - Well Flow efficiency
 - Limit Effects
 - Introduction to effects of reservoir heterogeneities
 - Derivative Methods Analysis (Log-log plots)
 - Gas well testing (AOFP)
 - Formation Evaluation (MDT, etc.): Pressure Regimes
 - Discuss attendee supplied data sets

NB : This training can be delivered in French Language

Moncef CHEKIR

Graduate engineer in Reservoir engineering from the Algerian Petroleum Institute. 30 years experience in Reservoir Engineering, Production and training in Oil and Gas fields.