



Introduction to Well Testing - Level 1

A 5 Day Hands-on Training Course



Duration:

5 Days

9:00AM - 4:00PM

Audience

This course is designed for those interested in Well Test operations to gain knowledge in this area to start as a Well Test Operator.

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Prerequisites

A first degree from a Higher Institution.

How to Apply:

For additional information on the course content or on how to attend our next session, please send us an email to talent@aftrac.com or follow the link below to register:

Contact Us:

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Introduction to Well Testing - Level 1 (Operator Level)

Course Overview

Surface well test equipments, Maintenance & Pressure testing of surface equipments (Flowhead, SSV, Choke manifold, separator), Routine equipment maintenance, Rig up/Rig Down of surface well testing equipments, Monitoring & Recording of process variables (Pressure, Temperature, BS&W, Oil gravities, Fluid sampling), Function testing of equipments, Emergency-shut down systems.

Course Objectives

- To provide a basic understanding of both practical and advanced methods currently in use for pressure transient analysis.
- Understand why, when and how to test a well and in the right way.
- Understand the principles of fluid flow through porous media.
- Learn how to interpret pressure transient data acquired in both conventional or non-conventional oil or gas reservoirs.
- Understand when to use either a linear or nonlinear analytical or a numerical solution for pressure data interpretation.

Learning Outcomes

- Operators shall be acquainted with fundamentals of Well testing, Basic fluid dynamics, and Unit of measurement (Field and SI units)
- Operators shall be able to identify well test equipment in terms of function, capacity and operating envelop.
- Operators shall be able to identify piping configuration and pressure ratings
- Equipment and Piping rig up techniques
- Measurement of pressure with Dead Weight Tester (DWT) amongst other instruments.

Course Content

1. Introduction to Well Testing
2. Basis of Well Testing
3. Analysis Methods
4. Gas Well Tests
5. Multi- well Test Analysis
6. Reservoir Characterization – Pressure Derivative Analysis
7. Unconventional Reservoir Well Tests
8. How to Perform Well Tests