Finest Practices in Surface Production Processes Management

Surface Operations and Troubleshooting

Introduction

The production of oil and gas presents challenges to the effective management of an oilfield asset, including precise measurement and back-allocation of quantities to the wells, effective tracking of production deferments, and more integrated production planning.

It is common practice in the oilfield to do these tasks—whether intentionally or unintentionally—without acknowledging or following best practices. According to a case study, crude oil and gas production measurements that are off by 10% result in revenue losses for the asset, which may have negative effects on trust or lead to legal repercussions.

The following issues have also been linked to inadequate management of crude oil production:

- The process for deferral administration is flawed
- Ineffective metering setup
- Inadequate procedures for allocation and reconciliation

This inevitably leads to inaccurate field reserve estimation and business planning cycles. This training course on "Best Practice in Surface Production Operations Management" will go above and beyond in showcasing current industry best practices with field experience, including obstacles and solutions for those obstacles. This training session will also demonstrate how to handle these issues, such as custody transfer and other terminal nodes, by using an integrated production operations strategy.

Included in this Course N Carry training programme will be:

- An Overview of Surface Production Activities
- Measuring Devices
- Administration of Production Deferment
- Allocation and Reconciliation of Production
- Plan for Integrated Production and Injection

Objectives

The following objectives will be the main emphasis of this training course:

- Recognise the difficulties in managing industrial processes.
- Emphasise the best practices for deferred management, planning, and metering.
- Use a case study to develop a plan to address the asset's business driver.
- Give a suitable procedure for improvement.
- Upon completion of this training programme, you will be able to:
- Utilise a best-in-class practice initiative to manage an operational asset.
- Recognise the optimal management strategy specific to your asset.
- Understand the warning signs in manufacturing operations practice.
- Create an integrated manufacturing strategy tailored to each asset.
- Provide a framework for asset-specific metering and deferral.

Training Methodology

This workshop-style training session on Surface Production Operations Management will prioritise industry best practices and encourage active participation from all attendees.

Organizational impacts

Teaching the principles of Interactive Economics to your employees can help drive organizational growth and seamless operations:

- A short course that equips employees with skills for the real world
- Employees receive enhanced and economically driven decision-making skills
- Helps create better marketing strategies for higher sales
- Provides a competitive advantage by helping make calculated risks

Personal Imapct

Enrolling in this course can benefit you in the following ways:

- Gain a deep understanding of the relation between human behavior and finances
- Learn modern techniques to estimate market demand and prediction
- Attain leadership, adaptability, and decision-making skills
- Analyze and understand successful market strategies

Who should attend?

A wide range of professions will benefit from this Course N Carry Finest Practices in Surface Production Process Management training course, but the following will be especially helpful:

- Operators in Production

- Field production staff, superintendents and supervisors
- Engineers in Production
- Senior Managers and Asset Managers
- Engineers for Asset Support
- Process Managers
- Engineers for reservoirs
- Engineers in Planning
- Engineers and Production Accountants

Course Outline

Day 1

An Overview of Surface Production Activities

- Overview of Surface Production Processes
- Instruments for Operations Management Support
- An outline of the WRFM (Well, Reservoir, and Facility Management) method
- Measuring Devices
- Integration of Operations

Day 2

Administration of Production Deferment

- Basic Deferment Administration Principles
- Measurements
- Postponement Coding
- Duties and Positions
- Application for HCA

Day 3

Allocation and Reconciliation of Production

- Fundamentals of Production Distribution and Accounting
- Domain Knowledge & Necessary Technology
- Data Filling and Validation/Verification Process
- Distribution and Compilation
- Typical Business Process for HCA

Day 4

Planning for Integrated Production and Injection

- Fundamentals of Activity Scheduling
- The Water-Injection System Overview
- Integrated Production Planning's Business Goal
- Common Equipment Needed
- Integrated Production Plan Difficulties
- Workflow for an Integrated Production Plan
- Method for Creating a Sturdy Plan Associated with the Business

Day 5

Evaluation of Performance

- Case Study
- Overview of the General Course
- Evaluation of the Participants
- Reactions
- Final Words