

Field Development Planning

Criteria for Success

TRACS Training Master classes

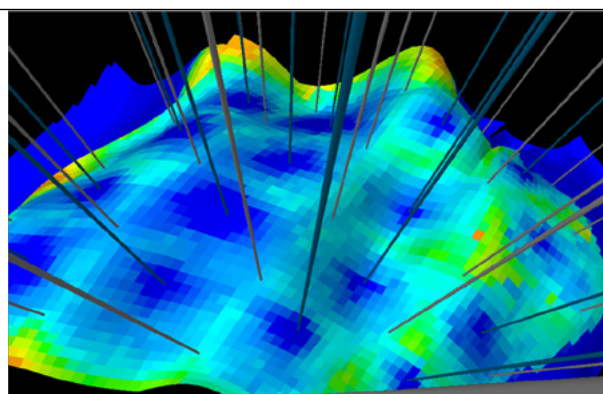
Master classes are designed for people who want to update or refresh on specific topics without having to spend a week out of the office. The classes are led by experts in their respective fields and provide an opportunity for learning, inspiration, conversation and networking.

Designed for:

All petroleum engineers, drilling engineers, team leads and managers involved in field development planning.

Duration:

2 Days



Field Development Planning is conducted by all oil and gas operators with outcomes that often differ widely from predictions. Occasionally, developments are simply unsuccessful; one independent industry body rates over 65% of FDPs as 'failures'. Why is this so?

This two day event takes case study material and explores the root causes of success and failure in development planning. It will be argued that failure is rarely due to lack of raw engineering talent and tends to relate instead to issues of framing, planning, team behaviour and both personal and corporate bias.

This course will explore these issues with reference to case study material and will discuss the following topics.

Context: how does FDP work fit into a gated process? This section ideally references the processes specific to the delegates' company.

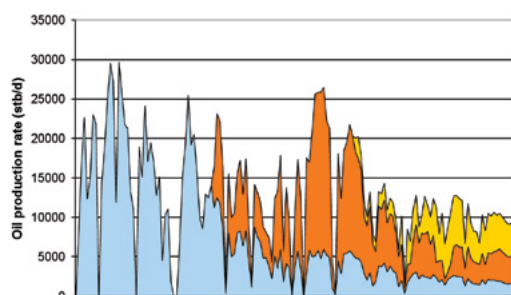
Project framing: what to include in framing sessions and what not to expect. How to realise Front End Loading in practice.

Handling risk and uncertainty: what we mean by 'scenario', how to handle statistics and the perils of the base case. Defining upsides and downsides and mitigating potential loss.

Team organisation: balancing linear vs. parallel working and what to do with Gantt charts.

Sources of bias: predictable heuristics, what they are and how to manage them.

Case examples: post-mortem on unsuccessful FDP outcomes. These may include client-specific cases if desired.

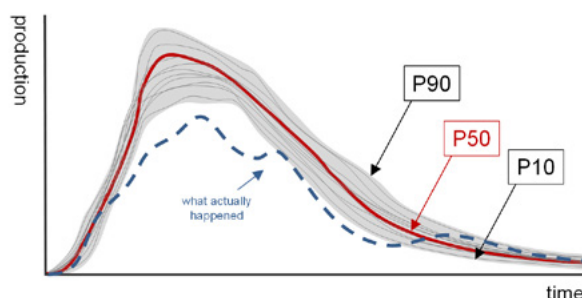


Field Development Planning continued

Course Content:

Day 1

- FDP overview
- Reflection – post-mortem on unsuccessful developments
- FDPs and corporate process – how the two relate
- Bias, heuristics and forecasting
- Mitigation by scenario planning

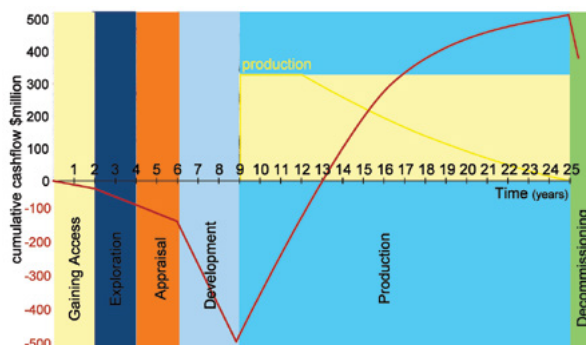


Day 2

- Case-based FDP planning in practice
- Right-sizing a work effort
- Resources, team structure and behaviours
- Change management

Course Duration:

2 days



Courses available from this series:

E&P Business in a Day
Uncertainty and Risk in Development
How to Make a Good Reservoir Model
Common Fallacies in Casing and Tubing Design
Reservoir Engineering Fundamentals
Field Development Planning
Geomechanics Integration
New Trends in Data Analysis
The Energy Transition in a Day
Carbon Capture and Storage (CCS)

Course Tutor



Mark Cook BSc, MBA

Mark Cook founded TRACS International in 1992 after working with Shell as a reservoir engineer for 11 years. As a Director of TRACS he managed the UK and Russia Reservoir Management consultancy business until 2011. His particular interests lie in the combination of technical and commercial risk analysis, and he released the textbook "Petroleum Economics and Risk Analysis" in 2021. He practises as a consultant on projects and in the delivery of related training courses, and has been an SPE Distinguished Lecturer.