

Oil and Gas, Exploration and Production Operations Workshop Agenda

Day 1: Upstream Oil and Gas Industry Overview

10.00 am	Welcome and Opening Remarks
10.15 am – 10.45 am	Upstream Oil and Gas Industry Lifecycle Phases
10.45 am – 11.30 am	Standards in Resource Reporting <ul style="list-style-type: none"> – Petroleum Resources Management System
11.30 am – 11.50 am	Coffee/Tea Break
11.50 am – 12.20 am	Resource Reporting <ul style="list-style-type: none"> – Uses in O&G Industry – Competent Person Reports
12:20 am – 12.40 pm	Project licensing
12.40 pm – 1.00 pm	Initiating Projects
1.00 pm – 2.00 pm	Lunch
2.00 pm – 2.30 pm	Government’s Role in Oil and Gas Projects <ul style="list-style-type: none"> – Revenue – Investment – Regulation
2.30 pm – 3.15 pm	Mapping demonstration of ArcGIS <ul style="list-style-type: none"> – Licensing and mapping aspects
3.15 pm – 3.30 pm	Coffee/Tea Break
3.30 pm – 4.30 pm	Mapping demonstration of ArcGIS (Contd.) <ul style="list-style-type: none"> – Licensing and mapping aspects
4.30 pm	Close

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Day 2: Exploration and Appraisal Phases

10.00 am – 10.45 am	Play Concept <ul style="list-style-type: none"> – Analogues – Surface Studies
10:45 am – 11.30 am	Exploration Program
11.30 am – 11:50 am	Coffee/Tea Break
11.50 pm – 12.30 pm	Prospect Definition and Evaluation <ul style="list-style-type: none"> – Volume Estimation – Chance of Discovery – Chance of Development
12.30 pm – 1.00 pm	Geophysical Methods <ul style="list-style-type: none"> – Gravity/magnetic data – Seismic data – Direct Hydrocarbon Indicators
1.00 pm – 2.00 pm	Lunch
2.00 pm – 2.30 pm	Exploration Drilling <ul style="list-style-type: none"> – Exploration targets – Data acquisition – Shows and testing
2.30 pm – 3:15 pm	Kingdom seismic interpretation software demonstration <ul style="list-style-type: none"> – Geophysical aspects
3.15 pm – 3.30 pm	Coffee/Tea Break
3.30 pm – 4.30 pm	Kingdom seismic interpretation software demonstration (Contd.) <ul style="list-style-type: none"> – Geophysical aspects
4.30 pm	Close
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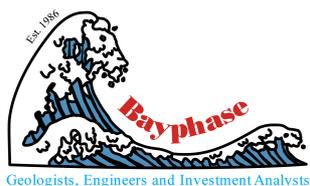


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Day 3: Subsurface Evaluation and Field Development Planning

10.00 am – 10:30 am	Petrophysical Evaluation
10.30 am – 11.15 am	Basic Engineering Evaluation
11.15 am – 11:30 am	Coffee/Tea Break
11:30 am – 12:15 am	Static Modelling
12:15 am – 1.00 pm	Dynamic Modelling
1.00 pm – 2.00 pm	Lunch
2.00 pm – 2.30 pm	Uncertainty in Volume Estimation
2.30 pm – 3.30 pm	Petrel geologic modelling software demonstration – Geology aspects and application
3.30 pm – 3:45 pm	Coffee/Tea Break
3.45 pm – 4.30 pm	Eclipse reservoir simulation software demonstration – Reservoir Engineering aspects and application
4:30 pm	Close

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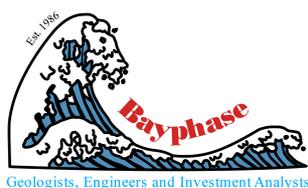


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Day 4: Surface Evaluation and Field Development Planning

10.00 am – 11.00 am	Field Development Planning and Concept Selection
11.00 am – 11:15 am	Coffee/Tea Break
11:15 am – 12:00 am	Cost Estimation
12:00 am – 12.30 am	Economic Evaluation
12.30 am – 1.00 pm	Front End Engineering Design (FEED) and Engineering Procurement Construction and Commissioning (EPCC)
1.00 pm – 2.00 pm	Lunch
2.00 pm – 3.00 pm	Cost Estimation Demonstration with NetCo\$ter – Onshore Production Module (OPM)
3.00 pm – 3:30 pm	Coffee/Tea Break
3:30 pm – 4.30 pm	Cost Estimation Demonstration with NetCo\$ter – Onshore Drilling Module – Offshore Drilling Module
4:30 pm	Close

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Day 5: Economic Analysis, Production and Abandonment

10.00 am – 10:30 am	Economic Analysis demo using Excel models
10:30 am – 11.30 am	Production Operations
11.30 am – 12:00 pm	Coffee/Tea Break
12.00 pm – 1.00 pm	Abandonment, Health Safety and Environment (HSE)
1.00 pm – 2.00 pm	Lunch
2.00 pm – 3.00 pm	Project Example: Licensing to Development <ul style="list-style-type: none"> - Resource Evaluations - Field Development Planning - Cost estimation using NetCo\$ter - Valuation
3.00 pm – 3:15 pm	Coffee/Tea Break
3.15 pm – 4.00 pm	Project Example: Licensing to Development (Contd.) <ul style="list-style-type: none"> - Resource Evaluations - Field Development Planning - Cost estimation using NetCo\$ter - Valuation
4:00 pm – 4:30 pm	Closing Remarks
4.30 pm	Close
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Group Size: 6 people

Hands-on interaction with the relevant software: ArcGIS, Kingdom, PETREL, eclipse and **NETCO\$TER**.