



*Geology, Drilling & Reservoirs Training Course:*

## *Dynamic Pressure Drilling (DPD)*

*From 25/12/2023 To 29/12/2023*

*NH Belvedere Hotel, Vienna, Austria*

*4950 \$*

### *Introduction*

This 5 day course is designed to help drilling engineering professionals understand the emerging technologies under the umbrella term of Dynamic Pressure Drilling (DPD). DPD refers to a group of technologies that relies on manipulation of downhole pressure via means other than mud weight alone to achieve wellbore objectives. DPD technologies include, Managed Pressure Drilling (MPD), Underbalanced Drilling (UBD), Flow Drilling, Low Head Drilling, (Pressurized) Mud Cap Drilling, Dual Gradient Drilling, Air Drilling, Foam Drilling and Continuous Circulation. By the end of the course the participants should know where and how to apply the appropriate DPD method through their gained understanding of DPD equipment and DPD design and control methods. The safe implementation and delivery of DPD projects will also be studied. The course will involve numerous examples of the applications of these types of projects drawn from the literature and the lecturer's own experiences. Examples will show the benefits, as well as the downsides and pitfalls of using these technologies. The aim of this course is to draw on the experience of previous operators' implementation experience to learn how to implement a DPD project safely and correctly.

### *The Course Content*

#### *Day 1: DPD Overview and Application Drivers*

Introduction and Expectations.

DPD Overview.

DPD Application Drivers.

*Day 2: DPD Techniques and Fluids*

DPD Techniques.

DPD Fluid Selection.

DPD Gas Selection.

Specialty Single Phase Fluids.

Two Phase Flow.

*Day 3: DPD Equipment*

Rotating Control Devices.

MPD Equipment.

UBD Equipment.

*Day 4: DPD Design and Control*

MPD Design & Control.

UBD Design & Control.

PMCD Design & Control.

DPD Tripping & Completion.

*Day 5: DPD Project Implementation*

DPD Candidate Selection.

DPD Project Management and HSE.

Extended Workshop.

*With Best Regards From Abar Solutions Petroleum Consultancy*