



W019: North Sea Reservoirs Series - Jurassic Reservoirs Overview

Instructor(s): John Cater & Co-Instructor

1 Day	Competence Level: Skilled
 Virtual Course	

Summary

Business Impact: The Jurassic of the North Sea hosts the most volumetrically prolific reservoirs of any geological period. Participants on this course will be able to add value immediately upon return to the office.

The close proximity of a world class source rock and the range of reservoir-seal pairs has resulted in Jurassic plays still being explored for long after other plays have been designated as mature. Fundamental knowledge regarding the Jurassic depositional environments of each play will be shared by integrating core, well and seismic data with modern analogues and classic outcrops. Although the workshops are organised through the lens of reservoir geology, other petroleum systems elements will be discussed.

Learning Outcomes

Participants will learn how to:

1. Interpret the gross depositional environments of the Jurassic of the North Sea, and understand the range of facies within the Jurassic period.
2. Predict the controls on reservoir quality (facies and diagenesis).
3. Interpret Jurassic stratigraphy and sediment distribution in the context of relative sea level change and recognise both the uses and abuses of the sequence stratigraphic method.
4. Build their knowledge of the dynamic reservoir behaviour of the key producing analogue fields (Fulmar, Ula, Brent, Piper etc).

Duration and Training Method

This course has been designed to be delivered as a short but impactful learning experience over one day. The North Sea workshops can also be delivered via staggered webinars across a number of days (depending on the client's preferred delivery mode).

Who Should Attend

This course will benefit any subsurface professional working on the Jurassic play in the North Sea. The course is aimed primarily at geologists but geophysicists and reservoir engineers will also benefit from a deeper understanding of these reservoir types.

Course Content

The one day webinar format will be divided into 4 sessions.

Session 1: Play based statistical overview and key play characteristics of the Jurassic

Session 2: Lwr & Middle Jurassic paralic play

Session 3: Upper Jurassic shallow marine play

Session 4: Upper Jurassic turbidite play & Conclusions