



W017: North Sea Reservoirs Series - Triassic Reservoirs Overview

Tutor(s): Gary Nichols, Steven Andrews & Stuart Archer

1 Day	Competence Level: Skilled Application
 Virtual Course	
 Computer Usage	

Summary

As the North Sea becomes more mature, and seismic data quality improves, deeper reservoir targets are coming in to focus. This is true for the Triassic of the North Sea, which is still being explored long after other plays have been designated as mature.

Fundamental knowledge regarding Triassic 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 Triassic of the North Sea, and understand the range of facies within dryland fluvial systems.
2. Predict the controls on reservoir quality (facies and diagenesis).
3. Build their knowledge of the dynamic reservoir behaviour of the key producing analogue fields (Snorre, Jade, Judy, Jasmine, Marnock, Skua).
4. Interpret Triassic stratigraphy and sediment distribution in the context of endorheic basins.
5. Predict the spatial relationship of reservoir sandstone facies in Distributive Fluvial Systems.
6. Recognise both the uses and abuses of the continental sequence stratigraphic method.

Duration and Training Method

This course has been designed to be delivered as a short but impactful learning experience over one day (via 4 webinar sessions). These courses can also be delivered via staggered webinars across a number of days (depending on the clients preferred delivery mode).

Who Should Attend

This course will benefit any subsurface professional working on the Triassic play in the North Sea or the West of Britain. The course is aimed primarily at geologists but geophysicists and reservoir engineers will also benefit from a deeper understanding of this reservoir type.

Course Content

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

- **Session 1** (09.00 - 10.30 tbc) Play based statistical overview and key play characteristics
- **Session 2** (11.00 - 12.00 tbc) Gross Depositional Environments using core wireline, seismic, modern analogues and virtual outcrops
- **Session 3** (13.00 - 14.30 tbc) Petroleum systems elements for exploration and development and production challenges
- **Session 4** (15.00 - 16.00 tbc) Conclusions, take home messages and a look to the future



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