



“The Essentials of Rock Physics for Seismic Amplitude Interpretation”

A practical training course presented online by Dr. Rob Simm

About the Course

Presented since 1999 this highly acclaimed course illustrates how an understanding of rock physics is fundamental to the interpretation of seismic data (including AVO reflectivity and elastic inversion products) as well as constraining the perception of risk in drilling. The course is a combination of lectures and exercises (utilising excel applets).

Who should attend?

The course is designed for all geoscientists who wish to understand the principles of interpreting seismic data using rock physics models and gain awareness of how this may impact the perception of risk in exploration and production drilling.

Commissioning the Course

This course can be commissioned for in-house presentation. For details and any other information please contact:

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Course Contents

The course comprises 8 sessions approximately 2-3 hours in length which can be delivered as required to the client.

Sessions

1. The Seismic Model
2. AVO Scenarios, Wavelets and Thickness Prediction
3. Well Ties
4. Inputs to Rock Physics Models
5. Rock Physics Models and Workflow
6. AVO Analysis
7. Rock Properties from Seismic (Inversion)
8. Stochastic Inversion and Amplitudes and Risk

Attendees will receive a fully documented manual with text discussion (in pdf format), together with pdf format files of the presentation material and exercise files in powerpoint and excel formats.

About the Presenter

Dr. Rob Simm is a seismic interpreter who specialises in applying rock physics in oil and gas exploration and production. Rob spent his early career (1985-1999) with operating oil companies (notably Britoil, Tricentrol and Enterprise Oil). In 1999 he established his own consultancy company, Rock Physics Associates Ltd, to provide project and training services.

