

STRUCTURAL GEOLOGY FOR PETROLEUM EXPLORATION, DRILLING & PRODUCTION

4 DAY FIELD-BASED COURSE IN SOUTHWEST ENGLAND

WEDNESDAY 8TH - SATURDAY 11TH MAY 2013 & WEDNESDAY 4TH - SATURDAY 7TH SEPTEMBER 2013

by John K. Davidson & Sam C. Ekins

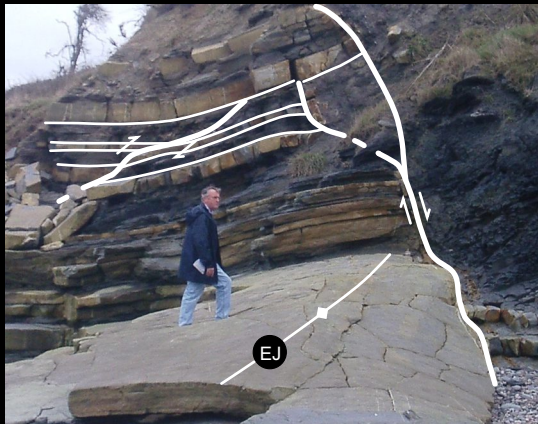
The Course

Lectures will be held at the Avon Gorge Hotel, Bristol and integrated with nearby field trips to the Bristol and English Channel coasts.

The Course links type section outcrop structures to nearby seismic and global events and to quantified stress analysis.

Who Should Attend

Geologists, geophysicists, drilling and reservoir engineers. 4D structural and stress history will be demonstrated for such applications as fault seal, multi-directional and inclined wells and frac planning.



Early Jurassic compressional pulse near Lillstock, Somerset

Timetable

Tuesday evening

Gather at the Avon Gorge Hotel, Clifton, Bristol

Wednesday

1. Introduction

2. Pure & Simple Shear

3. Field trip to Slide Rock, Avon Gorge

(basic structural analysis)

Variscan Orogeny, (thrust faulting and basement tectonics)

4. S_H Direction (S_H ,D) & Magnitude (S_H ,M) from drilling and seismic

5. Plate Tectonic Forces - 2 Dimensional (rotational extensional and compressional stresses)

6. Global Tectonic Forces - 3D (measured stresses, GPS and geoid)

Thursday

7. Field trip to Bristol Channel, Somerset Coast (Triassic and Jurassic compressional pulses)

Friday

Bristol Channel and global seismic examples

8. Globally Synchronous Compressional Pulses (alternating extension and compression)

9. Plate Tectonics Plus - 4D (patented method)

9.1. Tectonic Profiles (faults and crustal flexure)

10. 4DGeoStress Software (Pat. & Pat. Pend.) seismic interpretation for structure, isochores and quantified stress maps, pre-drill)

English Channel seismic and examples

Saturday

11. Field trip to Dorset Coast (Late Jurassic to Recent compressional pulses) By coach to Heathrow by 18:00

*Note, emphasis is placed on tying reflection seismic to outcrop and to age equivalent, worldwide seismic examples

Previous Courses

Since 1983 this course has been attended by hundreds of people from dozens of companies, worldwide. The annually evolving course has been the cornerstone of improvements in structural interpretation of reflection seismic resulting in numerous quantified, pre-drill stress applications over the exploration and production businesses.

Registration

The fee of GBP2000 covers the course notebook, lunches, dinners and coach costs. PSI will book your room and you will be responsible for room charges from Tuesday evening to Saturday morning estimated at GBP110 per night for bed and breakfast. PSI reserves the right to cancel the course and refund registration fees in full on March 9 (& July 5). Thereafter, registrations are transferable within a company. The course is limited to 17 attendees. An emailed invoice (there is no VAT payable by PSI) will be forwarded on receipt of an emailed registration request to Stewart at sj davidson@predrillstress.com. **Registrations cannot be guaranteed after March 8 (& July 4).**



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