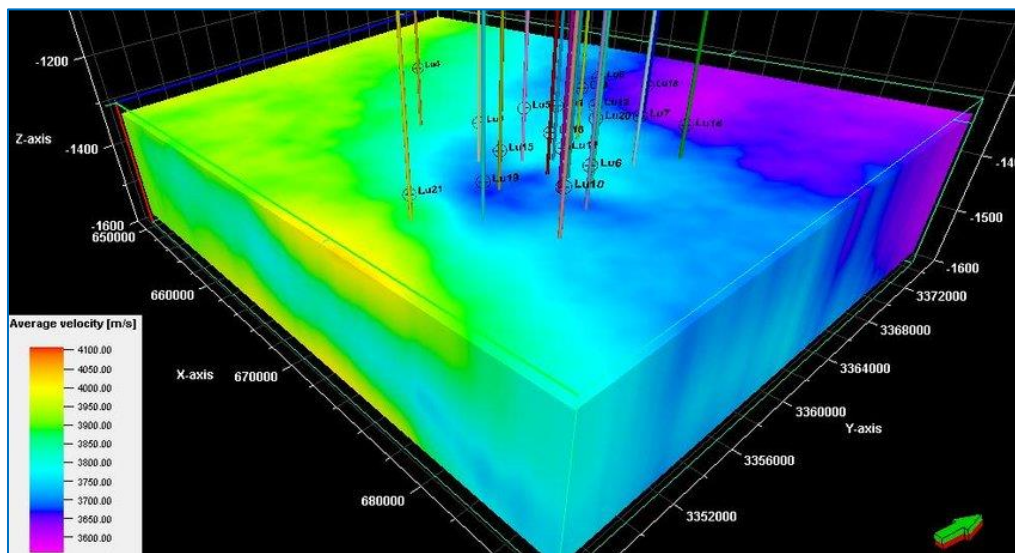




DE306-3D: Petrel Velocity Modeling

Training Description:

The purpose of this course is to introduce the student to velocity modeling, velocity handling and domain conversion functionality in Petrel.

It takes the user through the preparation stage of data used for velocity estimation and modeling. This includes quality control and edit of checkshot data used in sonic calibration and quality control of time surfaces and well tops used for defining velocity intervals.

Furthermore, the available velocity modeling approaches are discussed, including well velocity estimation, the nature and modeling of seismic velocities, surface based and 3D grid based seismic velocity modeling, as well as user defined velocity functions.

After the velocity modeling phase, domain conversion of various objects and how to model structural uncertainty is covered.

Training Designed for:

This course is intended for Development and exploration geologists, geophysicists, petroleum engineers, managers, reservoir engineers and technical personnel with prior experience in Petrel.

Prerequisite:

Petrel Geophysics course or similar Petrel experience.

Training Requirement:

“**Hand’s on practical sessions, equipment and software** will be applied during the course if required and as per the client’s request.” (This hands-on, highly-interactive training includes simulator, real-life case studies and exercises).

This training course is available upon request in English or Arabic. Content, location and duration can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

DAY ONE:

❖ Modules 1, 2 & 3

- Preparation of well data
- Velocity model setup and output
- Velocity extraction and modification

DAY TWO:

❖ Modules 4, 5 & 6 (Part 1)

- Depth error analysis and correction
- Surface-based seismic velocity modeling
- 3D grid-based seismic velocity modeling

DAY THREE:

- ❖ Modules 6 (Part 2), 7 & 8
 - 3D grid-based seismic velocity modeling
 - 3D volume - seismic velocity modeling
 - User-defined velocity functions
 - Domain conversion
- ❖ Course Conclusion
- ❖ POST-TEST and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures, Concepts, Role Play
- 30% Workshops & Work Presentations, Techniques
- 20% Based on Case Studies & Practical Exercises
- 20% Videos, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

As per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:30	Recess (Prayer Break & Lunch)
13:30 - 15:00	Last Session

For training registrations or in-house enquiries, please contact:

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