Quick and affordable reservoir models

**EarthModelBuilder** improves efficiency, accuracy and flexibility for more realistic representations of your reservoir. This dynamic software provides a unique way for asset teams and service companies to generate multiple first-pass reservoir models containing rock properties so you can optimize field development and well planning processes.

**EarthModelBuilder**’s user-friendly interface, dynamic capabilities and quality controls help you create models more quickly and move projects forward. Extensive quality controls help ensure a greater level of accuracy in both conventional and unconventional geological settings.

Integration with CGG GeoSoftware’s **PowerLog®** solution offers well log analysis and computed well log curves for even more insight. Petrophysicists, geologists, geophysicists and engineers can calculate multiple curves and run a variety of modeling scenarios to better understand the reservoir.

Asset teams and service companies can also use **EarthModelBuilder** to supplement and leverage their current modeling solutions for which they may hold a limited number of licenses. After quality checking and building quick models to assess the information, you can opt to move those models into your existing technology for enhanced reservoir characterization.

With **EarthModelBuilder**, all stakeholders in geological plays are now able to build the most up-to-date rock property models. The software offers an affordable, exciting and dynamic environment where you can craft a useful model that accommodates future information from the field as it becomes available.

**The GeoSoftware advantage**

**Enhance efficiency**

Create a quick first-pass model to assess and quality control your information quickly and move models forward within your reservoir characterization workflow.

**Reduce cycle time**

**UpdateAbility** lets you quickly update the model without searching for tasks initially used to construct the model.

**Reduce risk**

Create multiple first pass models to assess reservoir volumes in a full 3D modeling scenario so you can better understand the reservoir and use quality controls for a more rigorous study.
EarthModelBuilder

Key features

• Powerful mapping and volumetric calculations

• Links directly with PowerLog to access well and log data along with all the features of petrophysics

• UpdateAbility provides automatic rapid updates when data has changed or is added to a modeling project

• Tools to exchange data and models for reservoir characterization within the Jason® Workbench or to external software modeling packages

• Industry-standard nomenclature in an updated user interface

The views allow you to quality check the data that will be represented in the model. These can be combined together into a single view of many plots at once.

Operating system requirements

64-bit versions of the following are supported:

• Windows® 7 (professional and ultimate), with latest service packs installed

• Windows Vista® (business and ultimate), with latest service packs installed

• Windows® XP (professional), with latest service packs installed

Note

Single-core processor is sufficient. Multi-core processor will speed execution of some algorithms.

Hard drives

• SATA-II hard drive with enough space for your data

• Guideline is 10 GB for small projects, 100 GB for mid-size projects, and >100 GB for large projects

Memory

• For 64-bit systems, 4-8 GB for small projects, 24-64 GB for mid-sized projects, 64+ GB for large projects

• Graphics card 512 MB NVIDIA® OpenGL™ 3.0 capable video card