

FUGRO-LCT

LCTSEIS-3D™

LCTSEIS-3D™ is a powerful new toolkit for using high-resolution gravity data to constrain, confirm, and refine seismic velocity models.

FUGRO-LCT is pleased to present LCTSEIS-3D, an interactive 3-D building application based upon the PetroCaem™ earth modeling technology under license from CGG Processing and Reservoir Services.

LCTSEIS-3D has been used in complex velocity modeling and seismic imaging projects in the North Sea and the Gulf of Mexico.

Some features of LCTSEIS-3D:

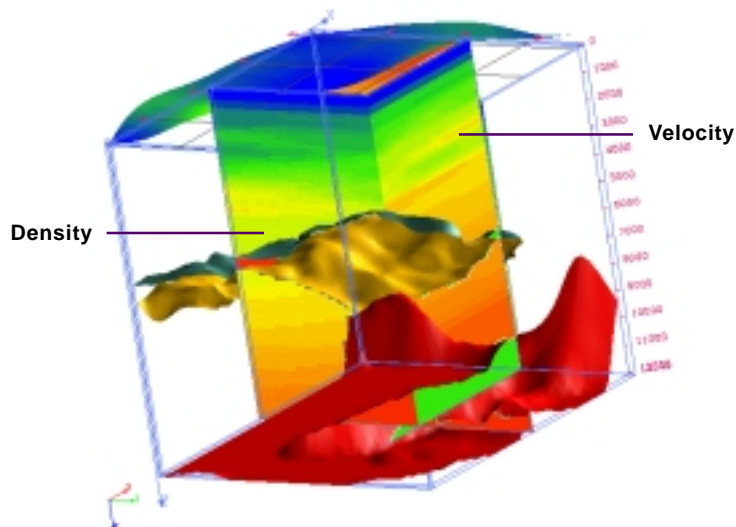
- Establishes strong quantitative links between seismic and gravity data
- Provides methods for using high-resolution gravity data to constrain, confirm, and refine seismic velocity models
- Furnishes velocity/density conversion and inversion tools
- Permits flexible importation of seismic models and horizons
- Consists of powerful tools for 3-D visualization and editing of models, including complex geologic structures such as salt bodies and thrust faults
- Utilizes CGG Processing and Reservoir Services's PetroCaem™, the industry leading 3D visualization package

Benefits of using LCTSEIS-3D:

- Assists in the interpretation and modeling of highly complex geologic structures, such as salt bodies and thrust faults
- Reduces the number of iterations required in the pre-stack and post-stack depth migration process
- Constrains and verifies the seismic velocity volume model
- Reduces costly processing time, enabling the explorationist to reach decisions faster, more accurately, and less expensively, all of which reduces overall risk
- Enables incorporation of multiple data types, seamlessly and easily

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Velocity/density cube based on LCTSEIS-3D™ (using CGG Processing and Reservoir Services's PetroCaem™ technology).

LCTSEIS-3D Target Areas:

LCTSEIS-3D can be of particular benefit in projects that involve the following geological structures:

- Complex salt, subsalt, and sedimentary basins
- Sedimentary targets beneath volcanics
- Distinction between reef and volcanic areas
- Fault and thrust fault regions
- Transition zones or any area where the seismic data alone may result in ambiguous interpretation results



LCTSEIS-3D uses the PetroCaem™ earth modeling software from CGG Processing and Reservoir Services

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