LogM™ Advanced Synthetics Software

Increase the accuracy of your seismic interpretation

LogM™ advanced synthetics software is the industry standard for seismic synthetic generation. It provides geoscientists with all the tools necessary to accurately tie well control to seismic data. Users can quickly link geological and seismic data and then view the predicted seismic response to the geological concept away from the well. This capability can dramatically improve interpretation accuracy and minimize uncertainty when determining the next well location.

LogM™ software is integrated directly with SeisVision™ 2-D and 3-D software to enhance the accuracy and confidence of your geophysical interpretation. The seismic trace data and the synthetic data can be compared in real time with no cumbersome import/export to merge the data and make the final connection. The LogM™ software is sold as a stand-alone application and includes modules for fluid substitution, cross-section editing, interactive stratigraphic modeling, and advanced synthetics.

Benefits

Flexibility
A wide array of options are available to enable you to design the synthetic tie that best solves the problem. Use custom or standard wavelets. Display and overlay any combination of logs needed. Complete control over the display characteristics of the logs, synthetics and seismic trace and more.

More efficient
Multiple-zone stretch/squeeze or time shifts optimize the tie between the synthetic and seismic traces.

Ease of use
The technology is designed to be flexible and easy to use making it intuitive for all users, regardless of experience.

Accurate
The advanced technology included in the system provides all the tools to make the most accurate tie possible. Synthetics for deviated wells are supported and can be "dropped" on the seismic trace data for accurate correlation along the true path of the wellbore.
Key Features

Integration with LMKR GeoGraphix®SeisVision™
Makes the workflow between the well data and seismic data smooth and easy and permits the testing of multiple scenarios to achieve the best possible results.

Advanced Synthetics
LogM™ advanced synthetics software offers additional technology that goes beyond the basics for tying the well data to the seismic. Technology that is included in the package consists of:
- Fluid Substitution
- AVO/AVA Synthetics
- Exploded Synthetics
- Check Shot Editor
- Cross Correlation
- Wavelet Extraction

Requirements

Hardware (MINIMUM)
- 2.4GHz 64-bit Intel class or better
- 4GB RAM
- 1,024 x 768 graphics resolution
- CD-ROM drive
- 19-inch monitor

Hardware (RECOMMENDED)
- Quad 2.4 GHz 64-bit Intel class or better
- 8 GB RAM or greater
- NVIDIA GeForce or Quadro - 2GB video RAM
- DVD-RW drive
- Dual 21+-inch monitors

Software
- Microsoft® .NET 4.0
- Microsoft DirectX 11

Operating System(s)
- Windows® 7 Professional x64
- Windows® 7 Enterprise x64
- Windows® 7 Ultimate x64