

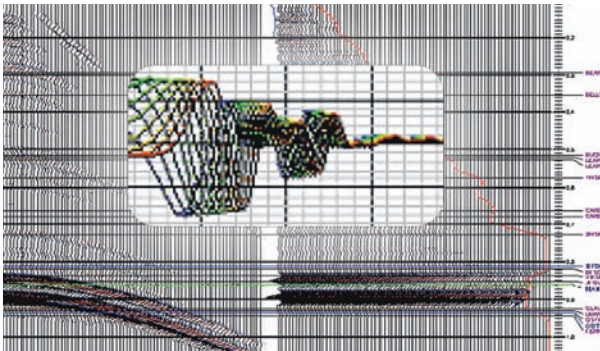
GeoSyn™

An uncomplicated synthetic solution designed by geophysicists who understand your needs.



The Source
for Critical Information and Insight™

GeoSyn has seen substantial new development, moving it far beyond a tool that creates synthetics. Key new functionality includes a cross-plot tool that supports cross plots of any data contained within the synthetic, including logs, traces and seismic. With the addition of this tool, and support for multi-offset synthetics, GeoSyn 1D now allows for a very easy method for completing AVO and LMR analysis on data. With the latest release, the first phase of enhanced seismic functionality provides dramatically enhanced tools for working with SegY data within the application. GeoSyn 2D sees enhancements to the time display providing the ability to display instantaneous frequency and phase, and more.



GeoSyn 1.5D

Synthetic creation, modeling and AVO analysis

AVO offset modeling: Two ray trace options; simulated NMO correction with stretch; full control of ray trace parameters, bin width, log resampling etc.; three reflection coefficient generation options, including Aki-Richards and Shuey; muting functionality by incident angle.

Cross plotting: Full generic cross plotting functionality; all GeoSyn data objects are available for cross plotting including logs, traces, AVO and LMR models and seismic data.

Improved Seismic Support for a Fast and Smooth Process; improved annotation support including trace sequential, CDP or SPs; integration with AVO functionality for cross plotting purposes; fully featured SEG Y file viewer; seismic tie functionality, including phase correction, time correction and graphical stretch and squeeze; synthetic objects may be inserted into position in seismic section for display purposes; attribute displays including amp, envelope, instantaneous phase and frequency.

