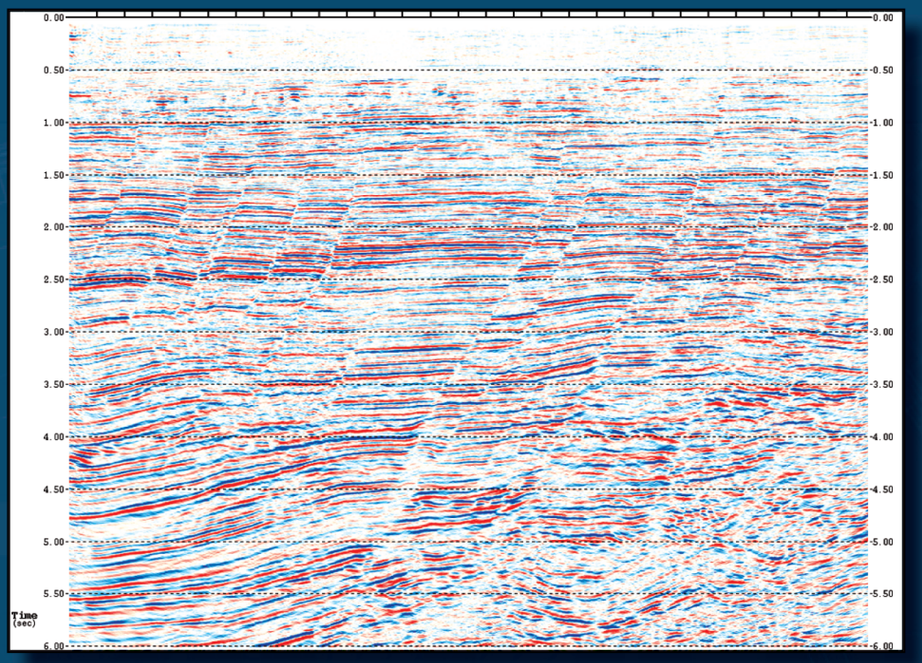
2D & 3D Time and Depth Imaging

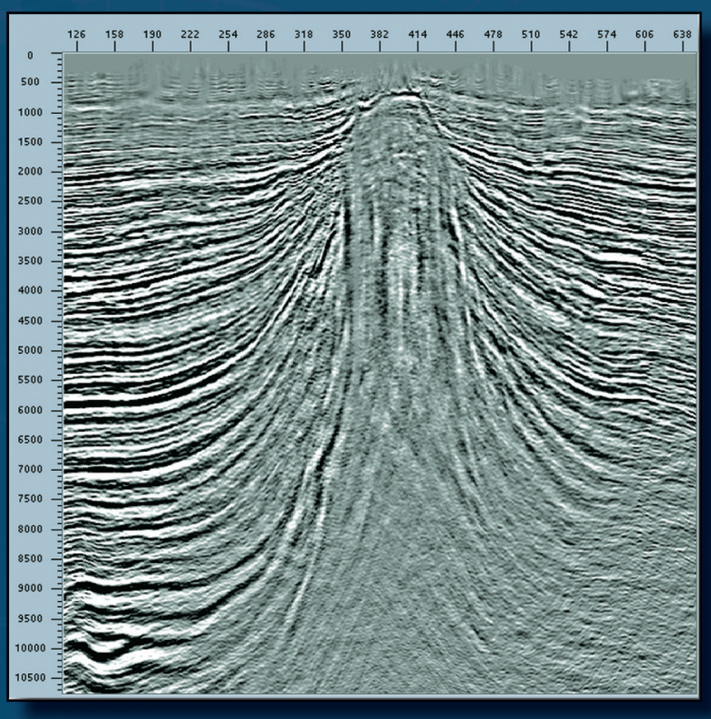
Since opening our corporate headquarters in Denver in 1994, TRICON has earned the trust and loyalty of our customers by providing high-quality time and depth imaging services. Our growth has been fueled by consistently exceeding our customers' expectations on land, marine, transition zone, and OBC projects. Consistent quality is only possible by staffing our offices with highly trained and experienced imaging professionals, and equipping them with the latest, state-of-the-art software and hardware technology.



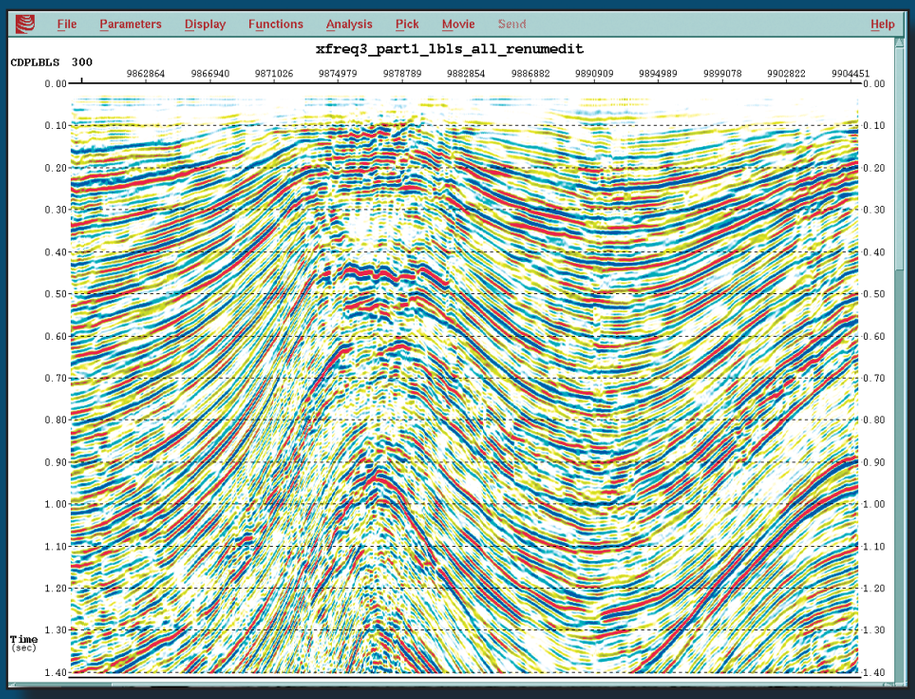
3D PSTM – High fidelity image showing complex faulting to 6 seconds
Data courtesy of Fairfield Industries and Juneau Exploration

TRICON's strengths:

- Hard rock geologic regimes including carbonates
- Soft rock geologic regimes
- Controlled amplitude-Controlled phase high-fidelity workflows
- Merging disparate surveys into a seamless volume
- Refraction and Reflection Statics
- Amplitude preserving pre-stack time and depth migrations
- Anisotropy-based workflows
- Fracture detection and orientation workflows



Kirchhoff PSDM showing dips of 90° and beyond



Extending the frequency spectrum using proprietary XFREQ technique
Data courtesy of Royal Exploration Co.

TRICON's imaging capabilities include:

- 2D/3D Kirchhoff PSTM
  - Straight or curved-ray travel times
  - 6th order NMO or Eikonal methods
- 2D/3D Kirchhoff PSDM
  - Wave front reconstruction method
  - Acquisition footprint compensation
  - Trace offset balancing
  - Variable eta for anisotropy
  - Variable velocity migration
- 3D Narrow Azimuth Wave Equation
- 3D Common Shot Wave Equation
- Converted Wave PSTM

TRICON's success is based on a history of helping our customers solve their E&P challenges. Accurate, repeatable results provide consistency when making drilling decisions, and ultimately lead to a higher success ratio when the wells are drilled. Through the expert integration of data and knowledge, TRICON maintains a distinct advantage when performing seismic imaging projects.

TRICON's Seismic Imaging…..
"Taking Your Seismic Data Further Than Expected"

Denver ~ Houston ~ Bogota ~ Caracas
www.TriconGeophysics.com

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