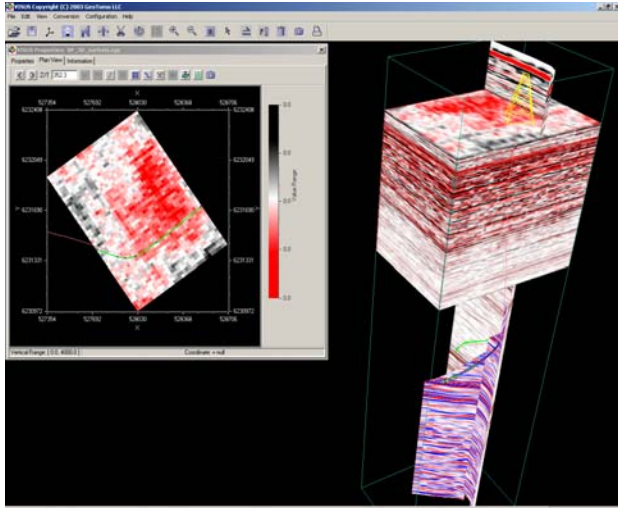


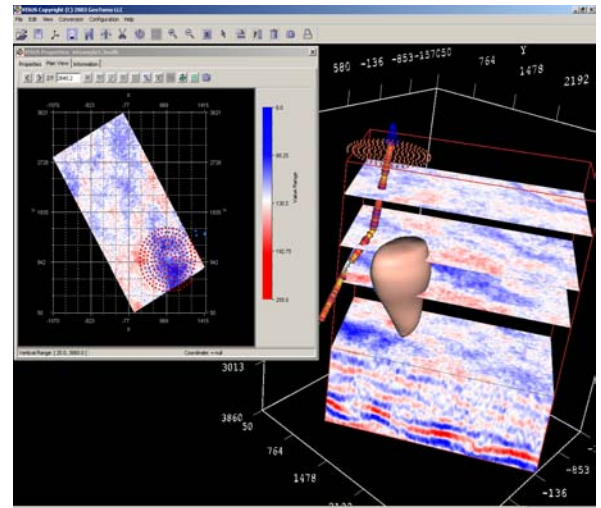
3D Visualization of VSP Solutions

Jie Yang, Jie Zhang, GeoTomo;

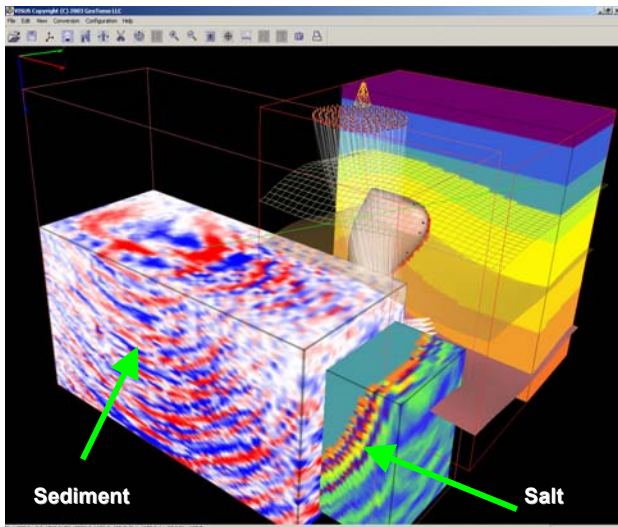
Yingping Li, Fran Doherty, James C. Jackson, VSFusion, A Baker Hughes – CGG Company



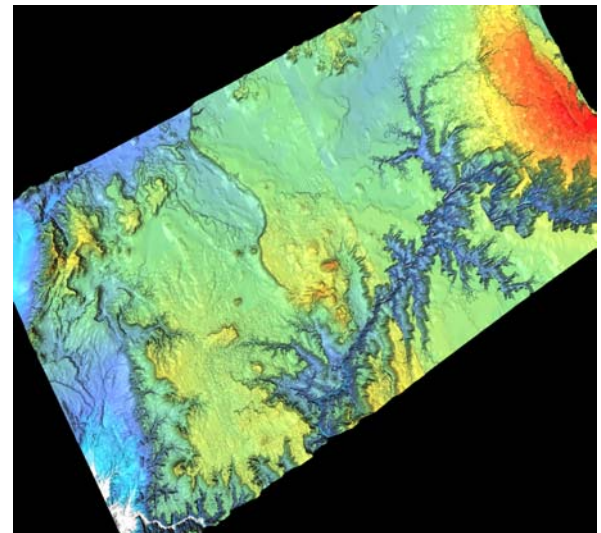
■ 3D seismic – create arbitrary 2D lines



■ 3D seismic – create horizontal Time/Depth slices

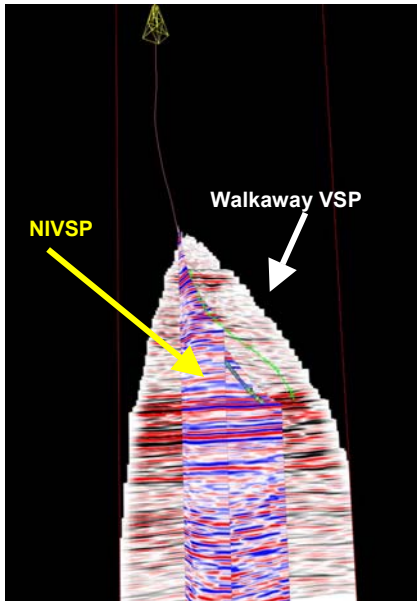


■ Display 3D VSP migration images, survey geometry, and ray tracing. 3D VSP image shows the updip sands and steep salt-sediment boundary.

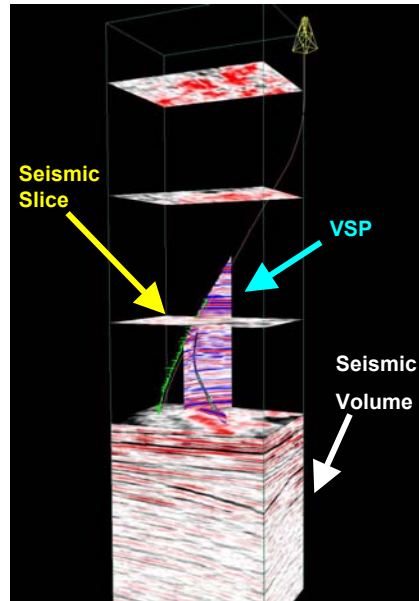


■ Digital elevation model

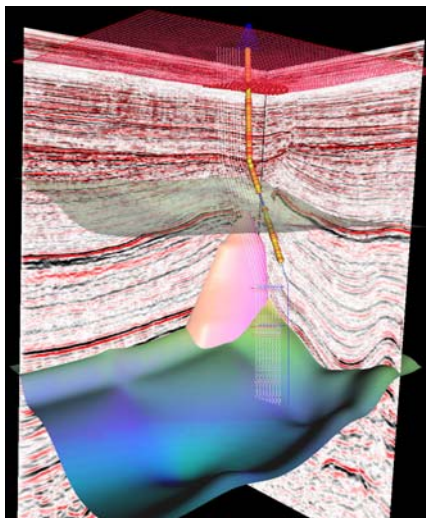
- Display 3D VSP and surface seismic volumes, corridor stack, and log data
- Display 3D velocity model, interface maps, and interpretation results
- Interactively select vertical and horizontal slices from 3D volumes
- Object-Oriented display property control
- Powerful and portable 3D visualization system



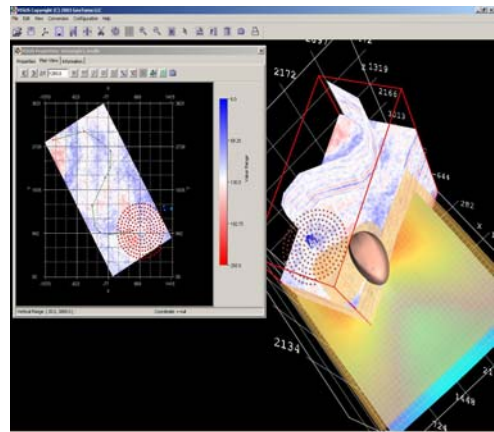
■ Display of multiple VSP time sections, deviated wells, and well log data



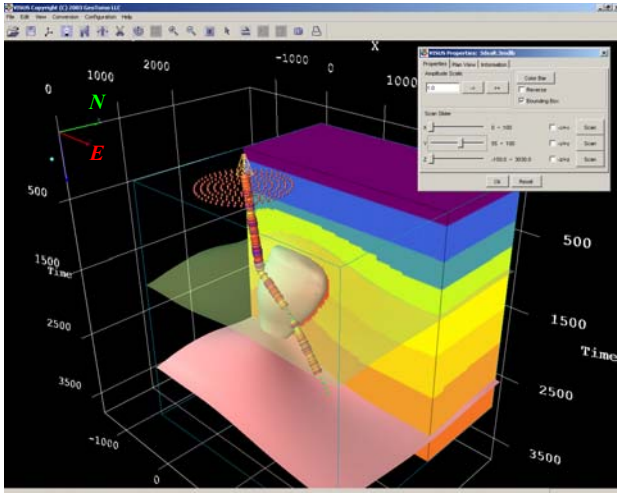
■ Analyzing surface seismic and VSP image



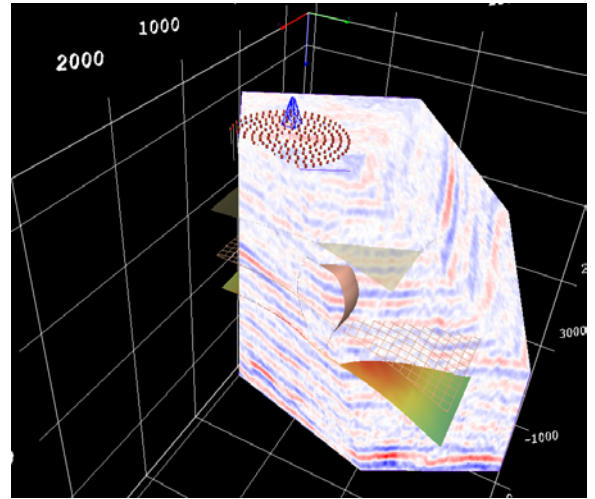
■ Display of VSP corridor stack along well, surface seismic sections, and subsurface structure model



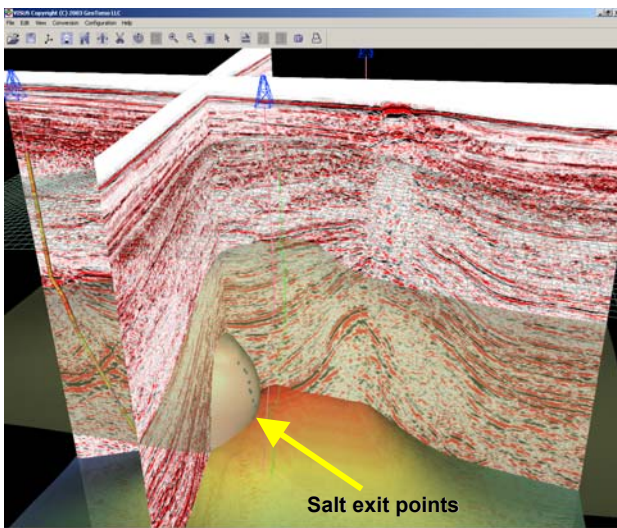
■ Display of model and survey geometry. Cut slice from volume along arbitrary curve and save as a new seismic file.



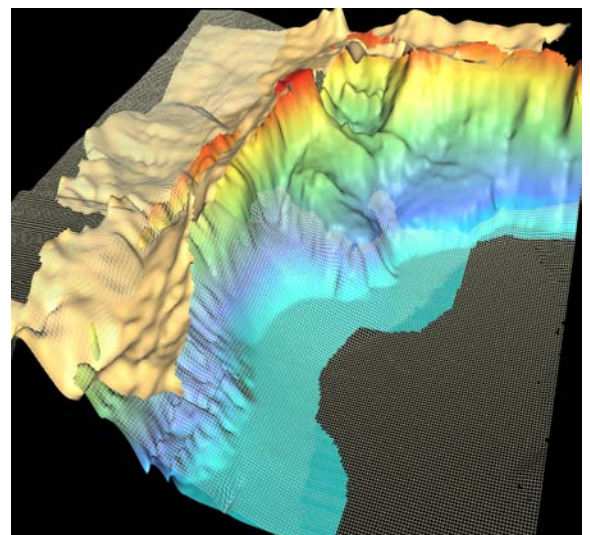
■ Scan data volumes



■ Cut Into model



■ Display of seismic, interpreted salt, and salt proximity



■ Display of interface map

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