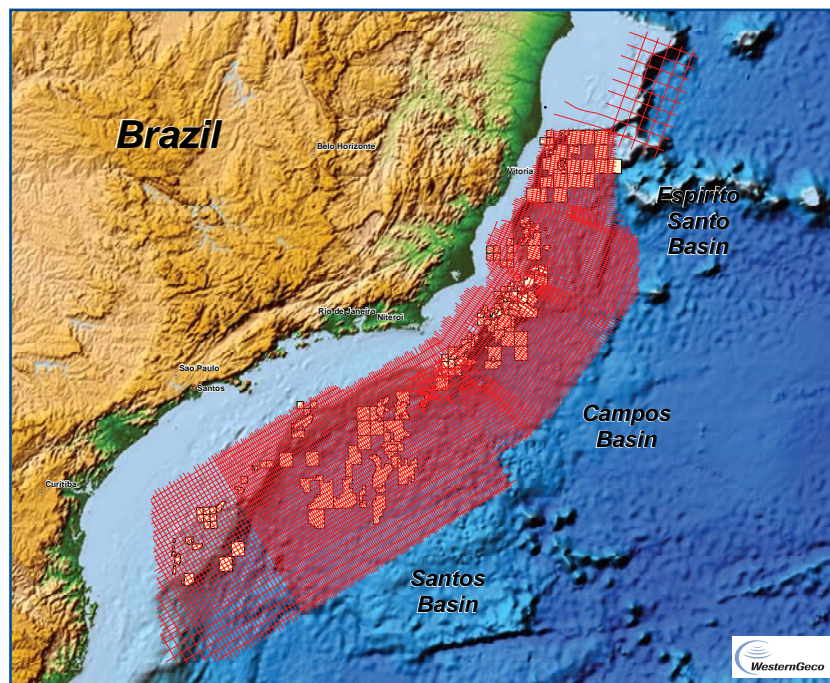


Offshore Southern Brazil

Sequence Stratigraphic Interpretation, Play Fairway Analysis Projects and Prospectivity Study



TGS Consulting Services for Offshore Southern Brazil

TGS is offering geoscience consulting services for the offshore southern Brazil Santos, Campos and Espirito Santo basins.

TGS has completed a sequence stratigraphic interpretation based on detailed well log data interpretation of 348 key exploration and delineation wells constrained by the TGS seismic data survey to map the gross depositional environments and facies associations. TGS is completing a play fairway analysis which includes:

- Detailed seismic facies analysis completed on approximately 125,000 km of seismic data
- Delineation of thickness and distribution of reservoir and seal units with respect to timing and movement of salt, fault and volcanic activity
- Identification and risk-assessment of prospective hydrocarbon leads with respect to reservoir, seal, migration, basin temperature modeling and comparison to field analogues

A presalt prospectivity study is in progress for the Santos Basin. The study will provide volumetric calculations and risking parameters for hydrocarbon leads identified from the play fairway analysis.

Schedule:

The sequence stratigraphic interpretation for the three basins is complete. The play fairway analysis for the Campos and Espirito Santo basins is complete. The Santos basin is in progress and scheduled to be completed in Q1 2013. The prospectivity study is scheduled to be completed by Q3 2013.

Deliverables:

Interpreted seismic and well data are delivered in shape, image and ASCII file formats. TGS also provides clients with a unique viewer called the Facies Map Browser (FMB) in order to review the ArcGIS formatted sequence stratigraphic and play fairway maps.

Deliverables for the sequence stratigraphic interpretation and play fairway analysis include processed well curve data, interpreted lithologies, synthetic seismograms for client-licensed well data, seismic horizons and faults, fault polygons and polygons that delineate potential hydrocarbon anomalies and geologic features such as areas of igneous activity and major depositional features such as deltas, fans, debris flows and turbidites. These are incorporated into the sequence stratigraphic and play fairway maps.

Requirements:

Clients must license underlying seismic data and available well data for the areas of interest.

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