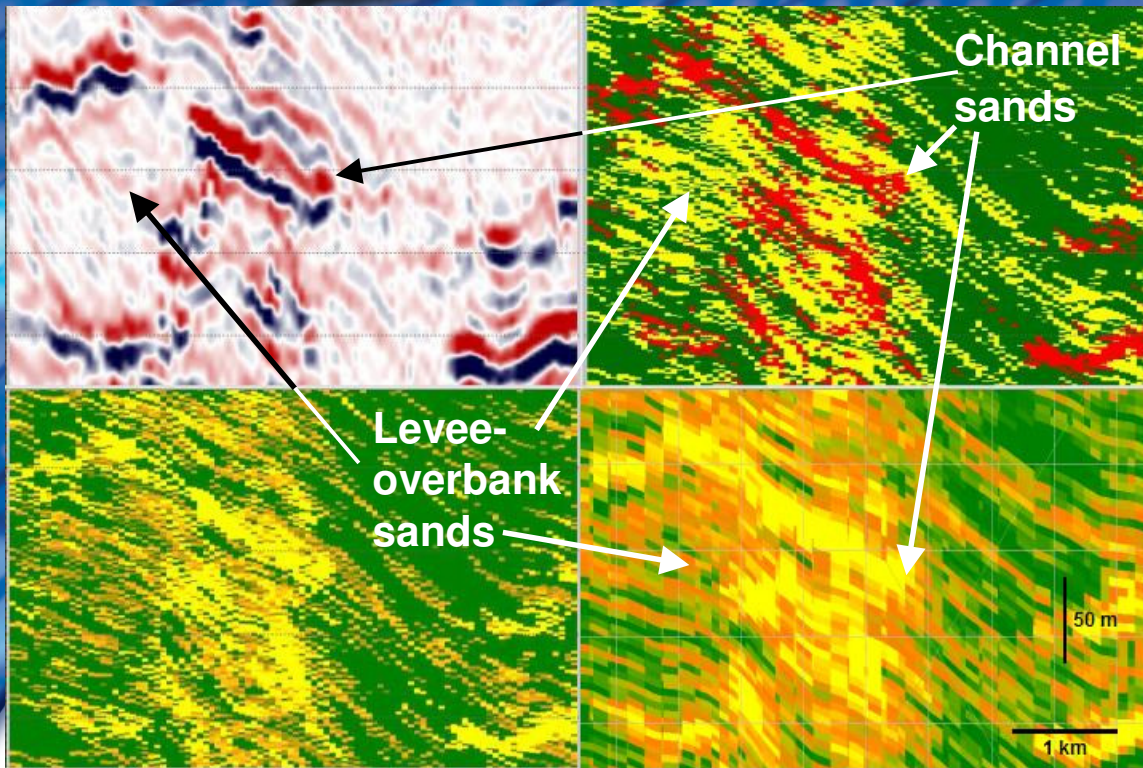


Reservoir Characterization and Modeling through Jason technology



From near angle seismic (upper left), via geostatistically inverted lithology model (upper right) and porosity model (lower left), to geocellular porosity model (lower right) through Jason inversion and upscaling. All sections are in depth.

Objectives

The Krishna-Godavari Basin, offshore East India, has seen a series of gas discoveries since 2002. As part of the field development planning Reliance needs to ensure that development wells are optimally placed in this deep water gas field.

The study objectives were to delineate the Tertiary channel and levee-overbank gas reservoirs.

Implementation

Reliance selected Jason's **Reservoir Characterization and Modeling** Services: Petrophysics, Rock Physics, Seismic Inversions and Upscaling to Geocellular reservoir models.

Results

The applied Jason technology demonstrated the ability to produce reservoir models that are consistent with all available subsurface data and are suitable for flow simulation in order to determine the optimum placement of development wells. The results of wells drilled after this study show good agreement with the predicted results.

For more information, read 2005 PetroTech paper "Reservoir characterization and modeling of thin beds in a deep water gas field, Offshore India"



#1 in reservoir characterization



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