



SEAPEX Exploration Conference 2007  
Orchard Hotel, Singapore  
24<sup>th</sup> – 26<sup>th</sup> April 2007

**Day:** Tuesday 24<sup>th</sup> April  
**Session:** Indian Sub-Continent  
**Time:** 1630 – 1700 hrs

## **Target Impedance Resolution within the Lower Cretaceous Reservoirs in the Shallow Marine Sector of the Krishna Godavari Basin**

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An iterative application of well constrained velocities to the 3D seismic volume over the KG-OSN-2003/1 Block is required to image the deeper Lower Cretaceous Reservoirs in the Krishna Godavari Basin. These velocities range from 4000m/sec to 6000 m/sec changing with both structure and age of the formations that need to be constrained by well logs distributed over the 3D seismic volume. The five wells drilled below the Lower Cretaceous unconformity have been integrated with the seismic velocities to improve both the PGS acquired and processed data from 2003 six and eight streamer and 2005 eight streamer marine Ramform 3D acquired data. The results help significantly to optimize delineation wells and map reservoir zones. The methods used by GeoGlobal Resources Inc. for the operator GSPC, Gujarat State Petroleum Corporation, their reservoir characterization and interpretation results will be illustrated in both the poster session and presentation.