

## Vadodara Chapter of SPG holds it's Annual Technical Meet-2011

Vadodara Chapter of SPG-India held it's Annual Technical Meet on 22<sup>nd</sup> October, 2011. While it was a technical treat during the day session, in the evening it was all along the celebrations filled with cultural programme and awards distribution for winners of the debate and quiz competitions.

There were two technical sessions first on **“Landscape Evolution in Response to Tectonic Inversion in parts of Cambay and Kuchch Sedimentary Basins”**

By Prof L. S. Chamyal, Prof and Head, Deptt of Geology, MSU.

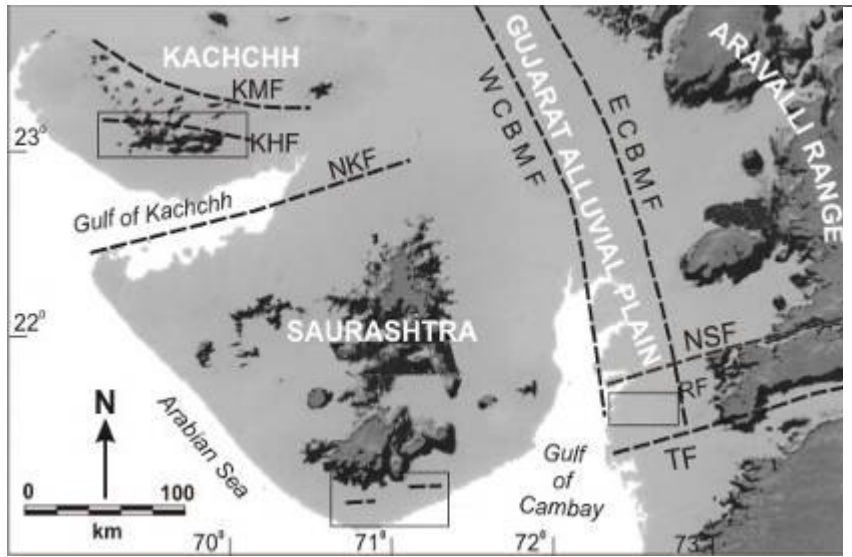


Prof Chamyal explained how a reactivated tectonic inversion was responsible for a throw of 800m to 1 km across Narmada River in southern part of Cambay Basin. He observed that several formations towards south of the river are exposed but towards north they are sitting quite deep. Sedimentary basins in tectonically active areas display dramatic changes in sedimentation rates, styles and spatial organization of alluvial facies. Also it is common for basins to display a period of inversion after prolonged history of subsidence.



Prof Chamyal being welcomed by President, SPG, Vadodara Chapter

This generally involves uplift of the basin floor and deformation of the basin fill whereby the throw on tensional faults controlling the original structural relief of the respective graben or trough become partly or totally reversed.



Map showing the study Area

Inversion occurs due to changes in stress conditions which cause variations in the pattern of tectonic behaviour of the basin and associated faults. Sedimentary basins with long term evolutionary history therefore record phases of inversion

Audience deeply engrossed during the lecture



MR P B Pandey, President, SPG, Vadodara Chapter deliberating his point of view

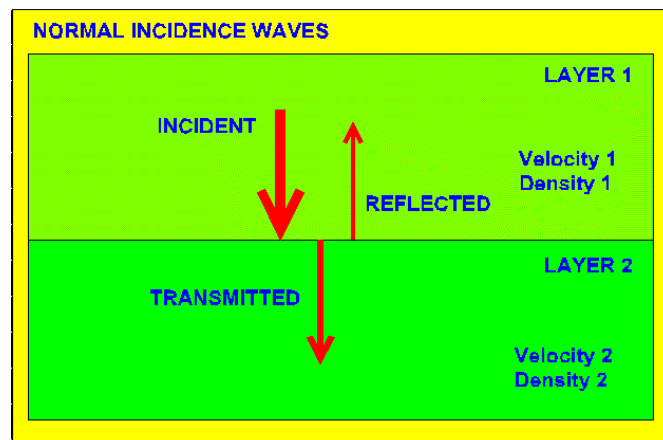


Second lecture was delivered by Dr O P Srivastava on Seismic Data Processing. He took the audience through basics of data acquisition, 2D/3D basics and then moved on to processing swiftly. The basic and general flow chart of PSTM and PSDM was shown. He observed that all G & G fraternity will agree that seismic data processing plays a very important role in making / refining the subsurface model of the earth and thus in accreting more hydrocarbon reserves. There is no denying the fact that a processing Geophysicist is an important link between acquisition and interpretation.

Mr P B Pandey welcoming  
Dr O P Srivastava



A simple example showing the  
incident, reflected and  
transmitted direction of waves



Mr A K Dwivedi giving away the Memento to Dr O P Srivastava



Cultural Program: Children conveying the message of unity through their dance



Mr A K Dwivedi giving away the award to winner of the debate



Mr A K Dwivedi giving away the award to winner team of the Quiz Competition

