

SPG organized Workshop on 'Basement Exploration for hydrocarbon: Learning and challenges.

Society of Petroleum Geophysicist organized GEOTECH 2015 - a one and a half day workshop with Theme 'Basement Exploration for hydrocarbon: Learning and challenges' at Hotel Orchid Mumbai on the 16th and 17th of March 2015.



In the recent years basement has evinced interest as a hydrocarbon target. A string of encouraging results both in onshore and offshore areas have brought basement in to focus. The successes notwithstanding, basement remains an elusive target, difficult to chase. Unique geometry of accumulations and the very nature of occurrence make the basement an unconventional reservoir. Unconventionality of this reservoir calls for a synergy of a higher order. Globally it has been observed that there is no standard solution for exploration challenges pertaining to basement. It needs a bit of out of box thinking combined with support from latest advancements in technology.



On this background, SPG India organized this workshop to bring together geoscientists from E&P companies like ONGC, GSPC, RIL; service providers like CGG, Schlumberger, Tetriseis, PGS; academicians and students from MIT, IIT Bombay, PDPU Ahmedabad, MSU Vadodara for participation in the discussion, and knowledge enrichment.

The seminar was inaugurated by the Dr S Viswanathan from ONGC, along with other expert from geophysics community. During this workshop twenty two talks spread over

six technical sessions spanning topics from seismic data processing, petrophysical analysis and interpretation techniques for basement were delivered.



The talks from CGG, PGS and Tetra Seis focused on imaging of sub-vertical reflections/ faults and enhanced resolution from broad band acquisition and processing which will ultimately lead to better detection of fracture network within the basement. Some case studies highlighted the contribution of various seismic attributes towards basement exploration and there correlation with the petro physical data and geological concept.



The zeal and enthusiasm seen during the question and answer sessions was a reflection of audience interest and awareness of the challenges confronting the geoscientists coaxing the basement to yield some share of hydrocarbon for the country!!





The idea to organize workshop on basement exploration and to have exchange of view across the world top explorations companies was floated by Shri A K Dwivedi, President SPG, India. Workshop was successfully organized by SPG, Mumbai chapter under able guidance of Shri Chaman Singh SPG President - Mumbai Chapter and his team.