



from the desk of editor



Geohorizons

Dear SPGclans and fellow geoscientists,

The papers are unfolding the technology advantage to relieve pains of common problems in application of geophysical technologies in handling exploration issues. Take the case of PP/PS Joint Inversion derived elastic parameters from prestack angle gathers and poststack seismic data resulting into inverted Poisson's ratio map within the target time window correlated to great extent with drilling results in Sulige field. Other frequent problems of quality aspect of seismic data, low impedance contrasts and minimal energy penetration below Cretaceous level in Hild field could be eased off by using Offset Vector Tile (OVT) VTI tomographic inversion. The approach facilitates us to thereby better resolve localized heterogeneity that is usually left unresolved when using a conventional non - OVT tomographic inversion. The naivety of sedimentological study in Kharsang area using advanced image logs, wireline open hole logs, core and other available G and G data has shown a way of paleo-current analysis, flow unit prediction, completion optimization and upgradation of dynamic model of reservoir. Usage of Euler deconvolution in gravity and magnetic data along with elevation data has helped in assessment of sedimentary thickness and basement depth to understand the basin architecture for hydrocarbon exploration in logistically difficult terrain of Mizoram area. 3D over-under DISCover technique with de-multiple and amplitude inverse Q adjustment has provided promising imaging ray of hope in sub-basalt sediments, however integration of EM/MT data besides gravity and magnetic data will go a long way in future exploration in Kerala-Konkan Basin in the western offshore of Indian peninsula and other analogues basins. The understanding of mud volcanoes in deep water of Andaman Forearc Basin in eastern offshore of Indian peninsula in relation to petroleum systems with their imprints in seismic imaging is essential for making informed decisions in exploration.

News items are also growing in number with activities in different chapters of SPG. An effort has been made to cover these events briefly in the journal. Organization of knowledge sharing events be in the form of technical lectures, workshops, geological field trips and interactive meets is undoubtedly going to leverage geoscientific knowledge among the participating geoscientists.

With this issue I look forward to your continued support in contribution of papers and suggestions to set this journal as medium of knowledge dissemination.

With warm regards,

Arun K Arya