

Lecture on “Fracture parameters estimation from Seismic data” by Dr. Mrinal Sen, 1st April' 2013, Vadodara

Vadodara Chapter of SPG hosted a lecture entitled “Fracture Parameter Estimation from Seismic Data” by eminent geoscientist Dr. Mrinal Sen, Director NGRI, on 1st April, 2013 at Officers' Club, ONGC Vadodara. During his talk Professor Sen deliberated on definition of fracture & fracture modelling. He underlined the importance of fractures and their role in E&P activities of hydrocarbon exploitation particularly during production. The important fracture parameters needed attention during any effective study. He explained the splitting of shear wave in an anisotropic medium and consequent variance in their velocities in parallel and perpendicular directions which plays an important role for determination of fracture density and direction. He stressed upon use of AVO affect to determine the zones of high and low fracture presence and also cautioned on anomalous amplitudes (AVOA), he emphasized that in such cases the removal of overburden effect can lead to better results. He



Prof Mrinal Sen responding to a query

explained the results of 'ratio attribute' which are very effective in AVAO Studies.