



4th Quarter 2010 Newsletter

Greetings everyone,

In today's challenging exploration environment it is important for companies to create solutions that have application in multiple geological areas. eSeis is an industry leader in developing tools that assist the geologist, geophysicist and engineer in finding and recovering hydrocarbons in conventional as well as unconventional plays. The newsletters that will go out quarterly will highlight our new technologies, processes, case studies and the eSeis personnel. Our goal is to bring innovative solutions to our clients that assist them in better understanding their complex geologic environments.

Regards,
Roger Young, CTO

Main Article

In today's economic environment and tightened regulations it is imperative that exploration companies use drilling practices that minimize the risk of encountering events during the drilling process. Companies must start looking at step-change technologies that allow them to better understand their complex geological environments. eSeis has developed such a technology by integrating existing industry standard approaches with proven innovative patented technologies. The result of this marriage is the 3D Pre-Drill Mud Log™.

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News & Events

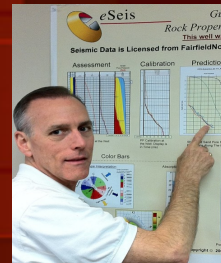
- eSeis' SPE paper #74487 was recently published in the 2010 SEG textbook "Methods & Applications in Reservoir Geophysics"
- eSeis will be moving offices by the end of this year. The new address is 12012 Wickchester, STE 600, Houston, TX 77079

Profile

Rick Cody

is a Deep Water-Land Drilling-Completion-Integration engineer who, for the last 22 years, has

focused on using accurate, seismic based rock property predictions to design and drill wells and optimize the subsequent ops/production. Upon returning to Houston in 2000, Rick was introduced to eSeis and since that day has not planned/drilled a well without using eSeis patented rock property predictions.



In addition to well design and planning, Rick uses eSeis' 3D seismic output to provide real-time, remote, pore pressure calibration and ops monitoring service. He has worked/lived in Indonesia, India, Trinidad, Turkey, So Africa, Mozambique, Cote d'Ivoire, USA (GOM-Land & OS, Rockies, and Alaska). He is a 1982 Chem Engr graduate of TX A&M and is an active member of: SPE, AADE, SEG, & AAPG.



The 3D Pre-Drill Mud Log, which creates a VirtualWell™, uses the following rock property predictions: velocity and frequency based pore pressure predictions in shale, fracture gradient, overburden gradient, sand pore pressure based on centroid calculations from seismically derived hydraulic flow units, lithology, porosity, and AVO types. These rock properties give the multi-discipline team a technology and presentation that creates a pre-drill look at the geological environment of the well path, which greatly reduces risk while designing and drilling the well. The team can use the real time data gathered while drilling to compare to the VirtualWell prediction. The combination of these tools further reduces the uncertainty ranges ahead of the drill bit.

Below is an illustration of the Teaming Document that is created by extracting data along the VirtualWell.

