

Reservoir Geophysics and Open Access Journal: Journal of Geophysics and Remote Sensing

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The reservoir geophysics is aimed at characterization of reservoir by using geophysical data. Nowadays, the concept of reservoir geophysics becomes much broader than it was. On one side, it can provide more and more detailed subsurface structure and lithology information for geologists; on the other side, it can be utilized to capture fluid properties change after production. This shows a strong ability of reservoir geophysics as an effective way for connecting Geology and Reservoir Engineering. This also leads to a highly integration characteristics of reservoir geophysics, which needs calibration widely with both geologists and reservoir engineers.

Many issues are important for reservoir geophysics, and needed for more study. For example, rock physics model is one of the key points to link seismic data to rock properties, such as porosity and fluid saturation. Ultra-thin bed inversion is another interesting topic for reservoir geophysics to approach high resolution from conventional seismic data, because the detection for thin bed reservoir becomes more and more common during the development of old oil field. A new technique of micro-seismic method shows special ability for unconventional reservoir development by monitoring hydro fracture

propagation. However, these studies are not independent and are highly integrated with other subjects. Thus, discussions become especially important for any successful applications. Journal of Geophysics and Remote Sensing (JGRS) emerges as new platform for communications and discussions.

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Received August 02, 2012; **Accepted** August 04, 2012; **Published** August 09, 2012

Citation: Zhang R (2012) Reservoir Geophysics and Open Access Journal: Journal of Geophysics and Remote Sensing. J Geophys Remote Sensing 1:e104. doi:[10.4172/2169-0049.1000e104](https://doi.org/10.4172/2169-0049.1000e104)

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