

Quantitative reservoir properties prediction

One day course by Dhananjay Kumar

Originally prepared for SPG-2015, but presented at NGRI on 14th June 2016

Dhananjay prepared this one-day course for SPG-2015 conference. But, due to personal reason he could not travel to India during the conference. He presented this one-day course at NGRI on 14th June 2016 to students and scientists. There were 42 attendees, see pic below.

This one-day course was very interactive. Some of the topics discussed during this course are:

- 1) Wavelet estimation - what to start with?
- 2) Calibration (seismic to synthetic)
- 3) Delineation of various targets/zones in a well log & seismic
- 4) Correlation of logs with FWI
- 5) Geophysics for shallow sediments
- 6) Difference between rock physics and petrophysics
- 7) Why phase changes?
- 8) When to do phase inversion?
- 9) Bandlimited vs. broadband/fullband impedance
- 10) Reflectivity vs impedance
- 11) Use of low freq?
- 12) Why low freq (0-4 Hz) is missing/poor in seismic?



Attendees at NGRI campus, 14th June 2016