



Seismic Inversion

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Ключови думи: Акустичен импеданс

Seismic inversion is contemporary working with seismic data method which assess the lateral variation of the physical properties of rocks in analyzing reservoir characteristics.

The main objectives of the standard seismic data processing is significant improvement of data quality (the signal / noise ratio) and then representing processed data in a form suitable for application of seismic inversion technology.

Seismic inversion is focused at detailed study of the collecting properties and the ability to predict areas with similar characteristics of known oil and gas fields.

For input data is used: seismic sections, well data, geological and geophysical interpretation to convert field of amplitudes in an initial velocity model, on the grounds of which is carried out iteratively seismic inversion to the best correlation on the well and the seismic data.

Seismic inversion could also be called Detailed Pseudo-acoustic Seismic Log. Demonstrated examples on real seismic data.