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## Mineralogical and geochemical characteristics of oil shale Domanic type on the spectra of electron paramagnetic resonance

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## Abstract

The method of electron paramagnetic resonance (EPR) was used to identify the characteristics of the material composition and condition of the organic matter of rocks along the borehole domanic deposits. EPR spectra of impurity ions Mn2+, sulfate ion radical SO3 - and SO2 - structure of calcite, E'-center quartz structure, and also vanadyl VO2+ and free radical Corg organic substances were identified in 11 specimens Domanic rock deposits. Diagrams of the EPR signals were built along the borehole.

## Keywords

Carbonates, Domanic deposits, Electron paramagnetic resonance (EPR), Organic matter, Quartz