

## **Exploration geophysics methods assist in hydrogeological and ecological survey of oilfield regions**

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### **Abstract**

The paper describes the procedure of hydrogeological and ecological survey in the regions adjacent to oilfield facilities. Results of integrated geophysical survey, including high-precision gravity measurement, electrical prospecting methods. In that number, symmetrical electrical profiling, vertical electric sounding, and spontaneous potentials, were used to decide on the site and type of specialized hydrogeological and ecological works. The first priorities are the zones with intense tectonic fracturing determined first by space geological investigations and confirmed later by gravity measurement.

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