Background
Pipelines are usually constructed under the ground and thus are highly affected by environmental conditions, that’s why it is important to assess their technical state (or stress-strain state), particularly in the crossings of geodynamic zones. Exact measurements of stress-strain state of pipelines allow finding out the most hazardous sections.

Aims and Objectives
Field measurements and assessment of stress-strain state of pipeline crossings over the geodynamic zones shows the most hazardous sections.

Methods
Field measurements of stress-strain state of underground pipelines were conducted by measuring and calculating device «Astron». This device operates with spectral impulse acoustic structure meter. The values of stress-strain state of pipelines on the borders of geodynamic zones were also calculated using the theories of constructional mechanics.

Conclusion
Experimental data allowed assessing the stress-strain state of pipelines in the geodynamic zones in order to find out the most hazardous sections.

Key words: geodynamic zones, fault, assessment of stress-strain state, trunk pipelines, linear part, technical state, environment

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