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The Artificial Impact to the Medium and Possibilities to Manage Its Stressed State

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We have developed a method of controlling and managing the medium's stress state. In recent decades it approved at a number oil companies and the objects of the experiments were oil deposits. Increasing through vibration effects, the medium's stress state we achieved a substantial increase of the layer pressure and accordingly production. These changes were reflected also in the held monitor of the microseisms, gravitational and electromagnetic fields variations and changes of the earth surface. The experiments were conducted in areas of 500 - 2000 sq.km, but as the following analyses showed the impact touched much larger territory of 10 000 – 15 000 sq.km.

Thus nowadays the method can be used, purposefully and simultaneously for increasing production at all fields located in mentioned territory and, in contrast with all the currently existing methods, it allows to bring the medium into energetically homogeneous state.

This result is much more important as we studied that in today's hazardous environmental situation the negative changes touched many oil fields around the world (as it took place in Mexican Gulf, for example) and instead of 1-2% of the normal annually production decrease they have 5-7% and more.

The new analyses show that ecological problems become more pressing for the next big region: the Middle East, which includes Saudi Arabia, Libya, UAE and Qatar. Implementation of our method would allow slowing down, and preventing their further rapid destruction and saving the medium in its nature state for the long time.