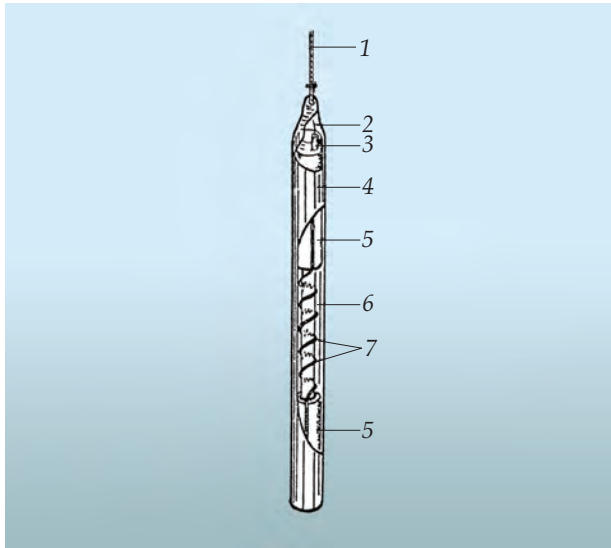


## TECHNOLOGY FOR ENHANCING THE OIL WELL PRODUCTIVITY



Sectional torpedo: 1 – electro-physical cable; 2 – electric wire; 3 – triggering facility; 4 – case; 5 – explosive matter; 6 – spindle; 7 – detonating cord

### Areas of Application

The technology is to be used for raising the yield of oil-gas producing and injecting wells, which has lost their productivity as a result of long-term operation and have the following parameters:

Well configuration: with uncased and cased bore;

Diameter: from 114.3 mm and more;

Depth: up to 5.5 km;

Thickness of workable beds:

1.0–20.0 m and more

### Advantages

There are no counterparts in Ukraine.

The use of proposed technology increases 1.5–2 times the yield of oil wells and 3–10 times that of gas wells.

The effect sustains for 1.5–3 years



Pumping method of oil production

### Specification

The technology is based on improving the filtration abilities of bottom-hole formation zone of oil-gas-bearing beds as a result of dilatancy of container rock massifs caused by inhomogeneous impulse action produced by explosion of sectional torpedo. The use of torpedo on ongoing basis has been authorized by the State Committee of Ukraine on Supervision over Labor Protection and the technology has been tested on marginal wells of *Naftogaz* of Ukraine NJSC

### Stage of Development.

#### Suggestions for Commercialization

IRL8, TRL8

Sectional torpedoes are manufactured and author's supervision of works is provided upon request

### IPR Protection

IPR3

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