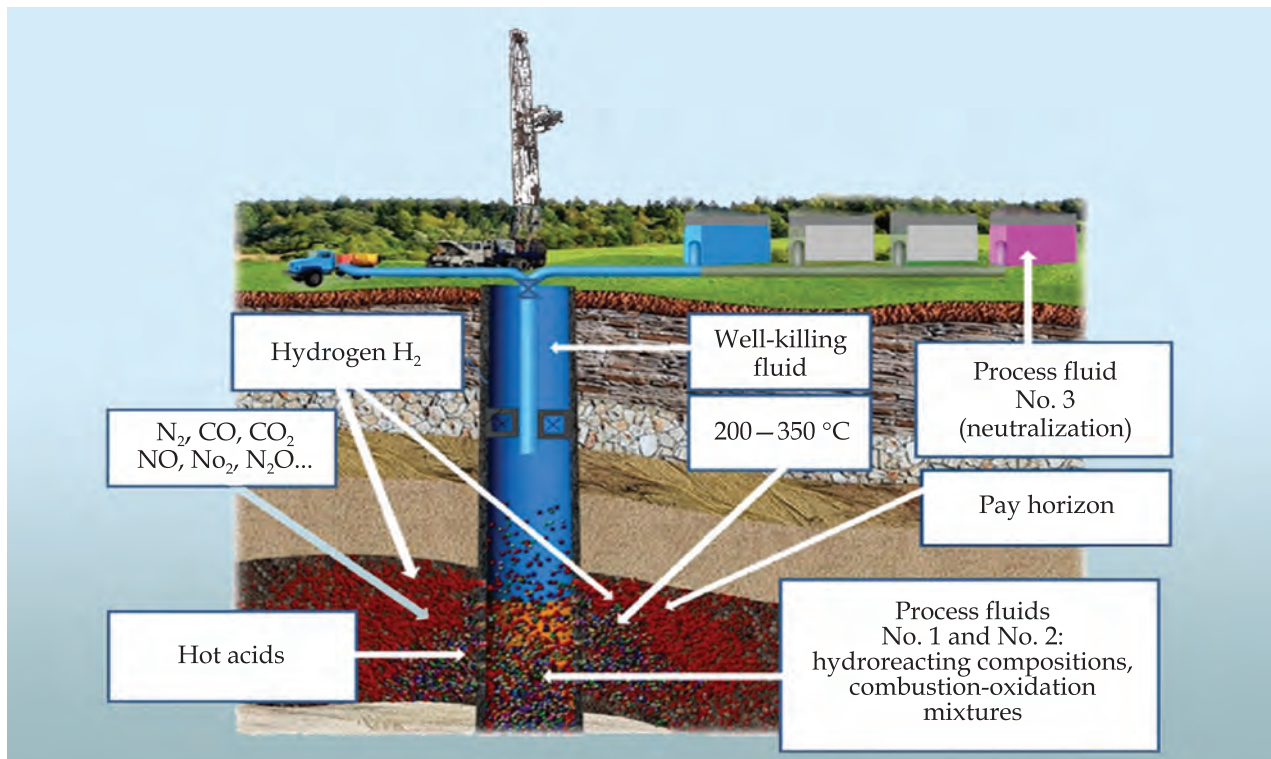


## INCREASING THE YIELD OF MARGINAL WELLS



### Areas of Application

The technology is to be used for increasing the hydrocarbon production from marginal oil, gas and gas condensate wells whose production rate has dropped because of bottom-hole zone contamination with bridging agents

### Specification

A controlled multistage thermal-gas-chemical process in the well bottom-hole zone results in the formation of active gases, primarily, hydrogen and acids that ingress into the interstitial space. Due to this, the bottom-hole zone is cleaned effectively from bridging agents, and the production rate increases

### Stage of Development. Suggestions for Commercialization

IRL7, TRL8

Upon request, compositions for well treatment are selected and produced, production procedures are developed, and engineering support of activities is provided

### Advantages

High effectiveness of the technology is achieved by using chemically active hydrogen. Besides, as compared with other methods for intensifying the hydrocarbon production, the technology offered is an integrated one. It combines both thermal, acid, and hydrogen impacts on the bed. The technology can increase a well production rate 1.5–10 times depending on cause of its drop

### IPR Protection

IPR3

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