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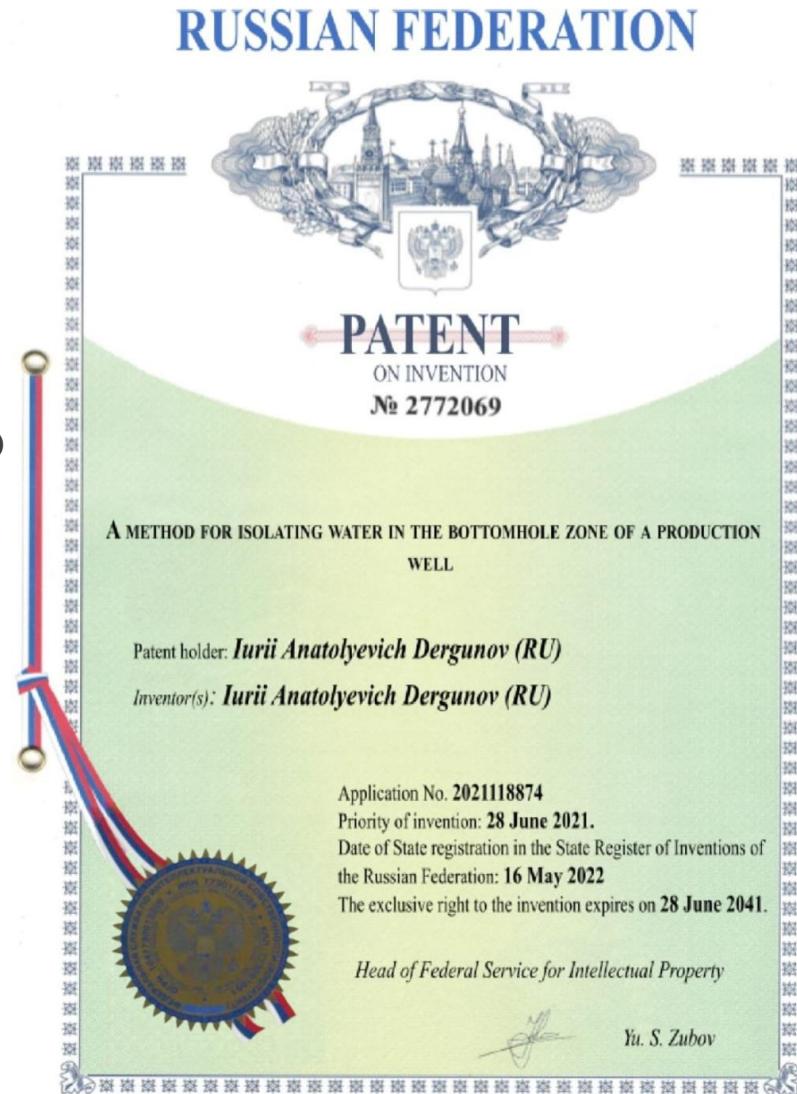
WHEN IT'S NOT JUST A JOB

New technology of oil production recovery

INNOVATIVE METHOD OF EXTRACTION OIL FROM THE ABANDONED OIL BLOCKS/WELLS

STEEL GROUP OA

ON BEHALF OF INVENTOR MR.
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Challenges

- Hydrocarbon production is growing every year.
- In this regard, serious problems with the operation of oil and gas wells are accumulating.
- The problem of the water cut increase remains vital. A lot of oil and gas wells becomes abandoned.



Description of Invention

Polymers:

- Relevant components
- Proportionality
- Chemical characteristics



Description of invention – minimum investment

- No large financial cost
- The cost reduced significantly.
- Time for preparation/implementation of technology- not take long
- Renovation/Usability- restore the production of oil close to the initial one (75% of exploitation- guarantee for an initial stage).
- Cost price decrease- renouncing the expensive technologies



Description of Invention-Background

- Western Siberia oil wells exploitation
- The Institute of Petroleum Chemistry, Siberian Division of the Russian Academy of Sciences
- the Lavrentyev Institute of Hydrodynamics, Siberian Branch of the Russian Academy of Sciences
- The oil producing company "Tatneft"



Evaluation of well production

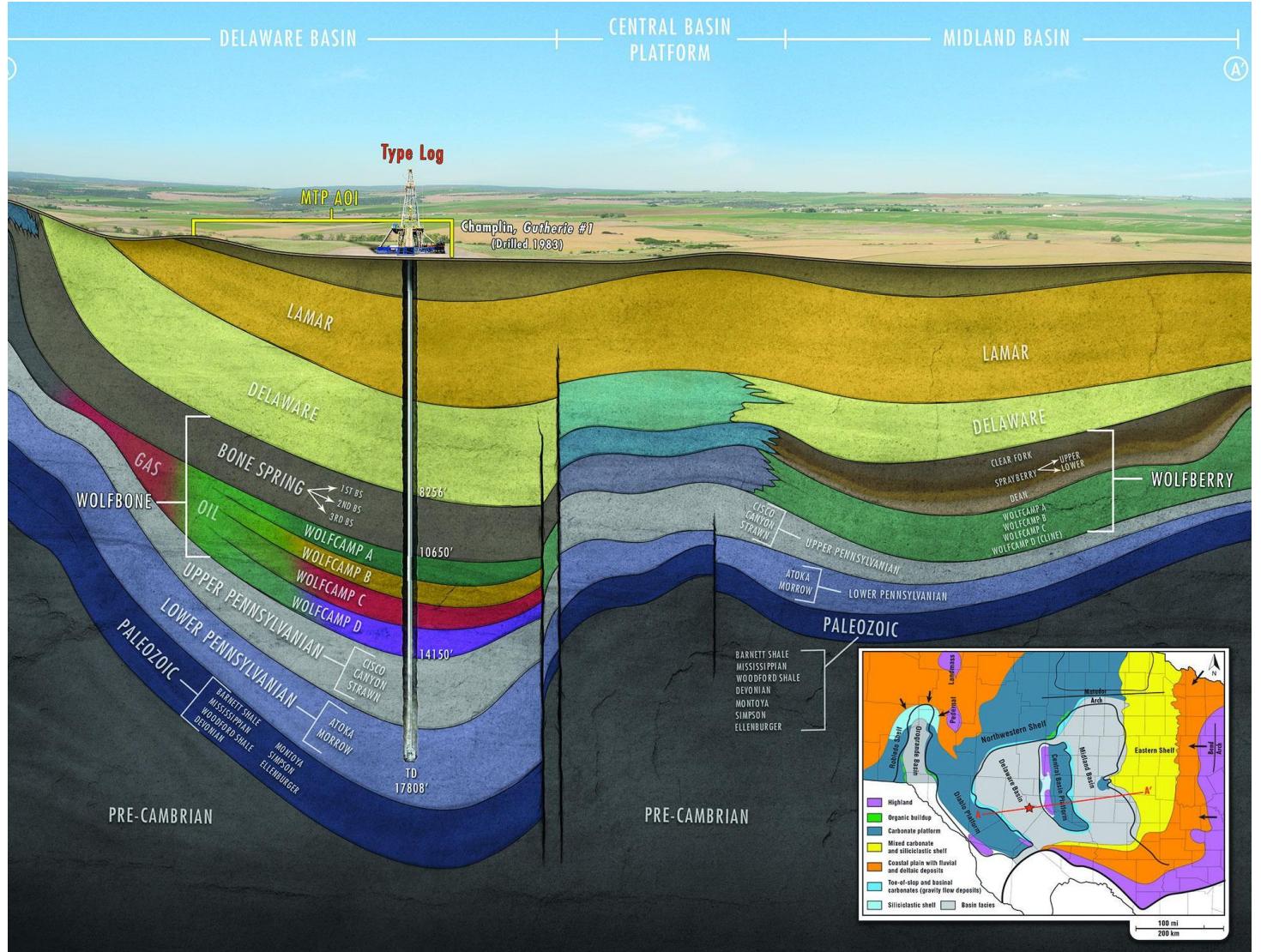
Defines:

- A) the well construction: the casing diameter, bottomhole depth, casing perforation interval
- b) the percentage of separated oil from the drained stock
- KPI- for assess the technology potential



Studying the lithology of the bottom whole zone

- Consideration of the following indicators:
 - A) The thickness and composition of the reservoir,
 - b) The coefficient of porosity,
 - c) Reservoir pressure,
 - d) The fluid temperature at the bottom,
 - e) The viscosity of oil and formation water,
 - f) The water-oil contact level
- These indicators are necessary for polymer solution parameters calculating.



Polymer selection

- Polymer's election- the most important stages.
- A large number of different types of polymers- to choose the one with all the factors of the bottomhole well zone.



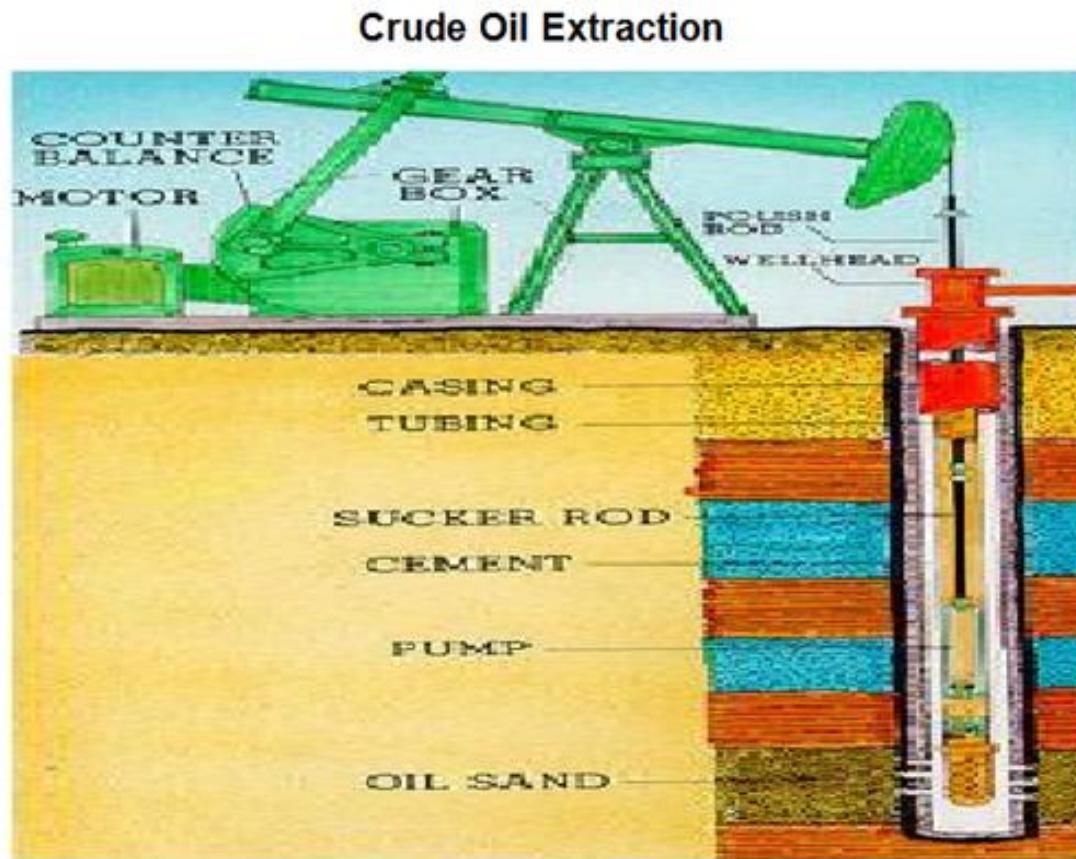
Geological and Technical measures

- Geological conditions
- Inflow of a solution into the bottomhole zone
- Water polymer solution physical change
- Well commissioning



Advantages of the method

- Not require large financial and time costs
- Significantly increase the percentage of separated oil after oil water separation
- Reduces the cost price of oil production

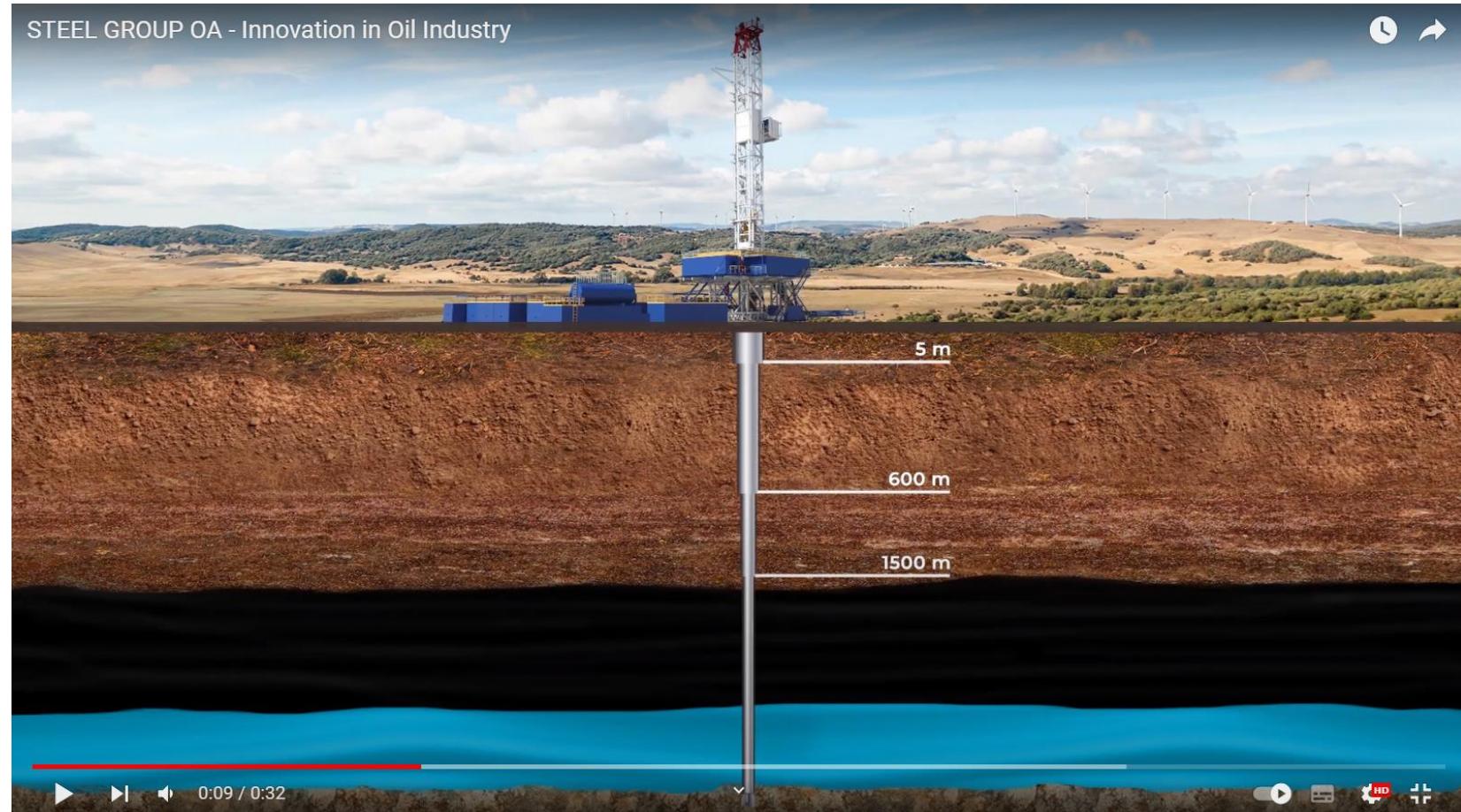


Market Realist^Q

Source: Wikid Energy

The whole process of implementation of the innovative method

YouTube video



Thank you for attention !

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