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- METHODS OF RESEARCH AND THE PRODUCTION OF THEM IN OIL AND GAS WELLS

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Annotation: This article is devoted to methods of research and the importance of research in oil and gas wells. Oil and gas sources are natural resources, and their effective use, and accuracy and efficiency in the process of obtaining the accuracy and environmental impacts will play an important role. The article shows the identification and efficiency of wells through geofysic, geological, seismic, seismic, seismic, seismic, and hydrodynamic analysis of wells. It is also noted that new technologies and integrated research methods should be carried out not only to increase economic efficiency, but minimize environmental hazards and ensure energy security. The research serves not only to increase the activity of oil and gas wells, but also to the development of sustainable energy for society and the state. The results of the article in the article plays an important role in ensuring effective production, environmental and economic stability in the oil and gas sector.

Keywords: Oil, gas, wells, research methods, geophysics, geology, ecological analysis, hydrodynamic analysis, ecological technologies, innovative technologies, energy safety, natural resources, environmental stability.

Today, the conduct of research in the wells of oil and gas fields and the analysis of its positive results is one of these very urgent tasks.

We know that the results of each research is dependent on the deed period of the well. Productivity, oil wore of oil wells in conducting a gasode meter in the study work, measure the dynamic (working pressure), measurement of dynamic (working pressure Determining the amount of water content, vacant wells, obtaining a dynamograph inscription from pump oil wells.The results of each study will serve to create a technological procedure for oil and gas wells and ensure the work of the wells on the basis of technological procedures. The main purpose of the study is to ensure that this is held at the level of demand.

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Methods of research and the importance of their research in oil and gas wells. Research in oil and gas wells is a process of economic, social and environmental process for countries with energy sources. These research is important for the study of oil and gas, effective production of resources and their prospects. Research methods help to assess not only the volume of wells, but their activities and energy efficiency. These studies include Geophysical and Geological Studies, Physical Cafty analysis and many other methods. Methods of research in oil and gas wells.

1. Geophysical research

You can find out the completion of wells through geophysics or physical dimensions and the level of loading. Through these methods, prolonged devices, it helps to identify underground sources. These studies are important to assess the work efficiency of wells.

2. Geological analysis

Geological research is aimed at the study of minerals and surfaces that affect the extraction process in wells. Studies allow the identification of geological structures, information on seeds, joints and new wells. This process helps not only know the quality of the wells, but also the quality of oil.

3. Seismic Research

Seismic research is used in the identification of hidden areas of oil and gas wells. These methods allow to know the status and form of well through various seismic signals, the state and form of wells. Again, these methods help to determine the movement of oil and gas.

4. Hydrodynamic Analysis

Hydrodynamic analyzes help to assess the activity and effectiveness of wells. This method is widely used to evaluate the pressure and flow in the well. Hydrodynamic indicators are important for information on the wells of wells and activities.

5. Interpretation and modeling

Based on the results of the research, the work and modeling of interpretation and modeling are carried out. This is a goal, to determine the oil and gas reservation, their activity and efficiency. Modeling methods help solve problems related to underground sources.

Importance in the production of oil and gas wells

1. Economic importance

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Effective use of oil and gas wells, serves as an important economic source for countries. The results of the study will help reduce wells and use them effectively. This, in turn, will help energy investment and development.

2. Effective use of natural resources

Prospects for research in oil and gas wells and future developmental directions

The future of research in oil and gas wells is also related not only to developing innovative methods and new research methods. These methods are aimed not only, but also reduce the efficient use of resources, but also reducing environmental impacts and meet the energy needs of society. In addition, research in oil and gas wells is aimed at the development of new technologies, optimization of production processes, and intensifying the resources.

1. New technologies and innovations

Modern technologies are also important not only to conduct research, but also to increase the efficiency of wells. Advanced technologies such as future, digitalization, and artificial intelligents play an important role in accurately and effective learning of oil and gas wells. For example, automated analysis systems have been developed on the basis of artificial intelligence to determine seismic data. It is easier to identify and forecasting geological and geophysical properties through these methods.

2. Integrated research methods

Studies in oil and gas wells are carried out through the use of various geophysical, geological and hydrodialatic technologies. As a result of joint use of integrated research methods, i.e. several methods, clear and safe results can be achieved. Such methods help to evaluate the wells of wells, not only well reserves, but also their performance efficiency.

3. Minimize environmental impacts

Reducing environmental hazards is an important factor for efficient and safe use of oil and gas wells. Research is aimed at reducing harmful effects on the well and maintaining environmental sustainability. New environmental standards and laws are necessary for the results of research, the production of oil and gas production and reduction. For example, factors are important to reduce carbon emissions and not harm water supply.

4. Ensure resources of resources

Repeated refining technologies (ENACED OIL RECOVERY - Earced) through research in oil and gas wells. These technologies not only find new resources, but also help maximum income from existing wells. Through the methods of bowing, oil and gas can be obtained accurate and effective from many layers of wells.

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5. Effective use of economic efficiency and energy

Studies are also important not only to achieve environmental sustainability, but also to ensure economic efficiency.

If we briefly dwell on each study in gas fields:

The gas field in the well is performed by the laboratory of each well with the productivity, labor pressure, and the pressure of the well in the well. The results of the study is mainly necessary to compose the technological work order of each well.

Measured in every quarterly in every quarter, each quarter in measuring the pressure of the upper balance. Based on the results, the quarterly technological work schedule is formed for the wells**.**

Dynamic (Worker) Pressure - the operation of each well is monitored, following the technological work order made for working wells.

Pressure measuring results in the back of the piping and pipes will serve to ensure the well to ensure that technical safety and fountain protection standards.

In dyezeric and observer wells, the measuring fluid level and over-pressure will clarify how the mermic layer pressure changes.

How wells are determined how to alact the absorbing water to analysis in working wells.

Measuring petroleum products in oil wells where oil fields are working to identify the ability to provide the product and serve to form a technological work order for each well.

The receiving dynamograph inscription is performed to determine how to get the dynamograph inscription. Depending on how well the well is performed, it determines the current repairs in the well.

In the amount of oil quantities of oil in the amount of oil in the oil wells, water in the amount of oil in the amount of oil is removed and determined by water in the oil, and the amount of water is determined by the oil content.

The research results in determining the amount of the transfer in drawing wells will serve to determine the operation of vacancies.

We know that research results are used in wells used in the use of each oil and gas fields in the well-being used in the technological procedures of oil and gas wells and ensure the operation of wells on the basis of technological procedures. The main goal of the results of the research is to ensure that the project is available at demand.

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