



IMPROVEMENT OF SAFE WORKING METHODS IN OIL PREPARATION FACILITIES

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Annotation: This scientific article will cover the technological devices of the oil preparation site and their methods of safe operation. Also, a system for improving safe methods of operation in the technological devices of the oil preparation site will be studied.

Keywords: oil preparation facility, technological devices, product, efficiency, safe working methods, technology.

Аннотация: В данной научной статье будут рассмотрены технологические устройства участка подготовки нефти и методы их безопасной эксплуатации. Также будет изучена система совершенствования безопасных методов эксплуатации в технологических устройствах участка подготовки нефти.

Ключевые слова: установка подготовки нефти, технологические устройства, продукт, эффективность, безопасные методы работы, технология.

The supply of a larger amount of products for the national economy through the search for promising ways to increase the efficiency of oil and gas production in our republic, the use of new techniques and technologies, the introduction of effective ways to use the field, the maintenance of layer pressure, the use of cheap technologies for the extraction of residual oil products is one of the urgent tasks facing our[1;720].

The nomenclature of equipment included in the technological devices of the oil preparation site is hundreds of names, the increasing growth of the oil gas industry in yigori indicator is due to the rapid renewal of ulaming, the creation of excellent new types and structures. The fact that technical tools are multi-shaped required that ulaming should be brought into one system as well as studied[2;286].

Machines, equipment, mechanisms, structures, mechanization are mediated and all instruments are studied by dividing them into eight groups and several groups[4;720].

The following measures are recommended to ensure a safe condition in moderation when performing a technological operation on processing and layer exposure to the well bottom zone;

- the conduct of the acid processing event will be held in a specially prepared Brigade under the leadership of the master;

- it is necessary to have water where you are treating with acid;



- Burns of the body and face as a result of the splashing of acid, especially the ingress of hydrochloric acid into the eyes, can make a person a lifelong majruh, disabled. Therefore, in acidic processing, workers need to be provided with special glasses and a special wardrobe;

- it is necessary to pour acid into the water so that the acid does not splatter;

- acidic processing is prohibited when the wind power is 12 m/s;

- processing and layer exposure to any well bottom zone should be carried out according to the plan approved by the chief engineer or Chief Geologist of the oil production Administration, safety performance measures and the work manager - responsible engineer-technical worker;

- geological and technical data of the well in the work plan, including the diameter of the operating Ridge and the pressure allowed for it, preparation

-the final working fluid must be specified in the physical and chemical properties of the coupling, as well as the driving speed of the working fluid solution. In the case of thermochemical and thermogasochemical effects, the plan takes into account all the properties for these methods;

- the work plan should include measures to eliminate possible disasters. When necessary, work plans are agreed with the chief Doctors of the city, district sanitary-epidemiological station;

-it is necessary to comply with the safety rules and labor safety guidelines in the oil and gas industry developed by institutions, enterprises adopted for the exact method of processing the well bottom zone;

- until the start of work, the head of the service officer should familiarize himself with the plan for conducting the technological process, its features, the procedure for increasing it to anial in the well and the safety rules.

- all work on the preparation, pouring, pouring, driving, melting, transportation of an acidic and other chemical solution should be carried out according to the maximum mechanized and closed system. A field is prepared in the well, where technological operations on processing are envisaged to the well bottom zone. Pumping units are placed at intervals of no less than 10 meters from the mouth of the well, the distance between them should not be less than 1 meter, and the cabins are not directed towards the well. The hydraulic part of the pumping devices must have a barrier or closure shell. Other special techniques used to perform the technological process must be fired at a distance of at least 25 meters from the well. Before the start of work, the setting of the pumping units is checked. After the connection of the pumping devices and the well top, the drive pipes are tested at a pressure of one and a half times the maximum expected pressure. The landing requires the necessary amount of water for technological operations and household service.

Working solution to the welliami during driving, it is not allowed to repair equipment, pull attachments, eliminate dripping. Work on processing the well bottom zone is carried out on a protective helmet, a special suit, a rubber apron,



goggles, rubber gloves. In the field, the necessary amount of soda solution for washing the eyes, protective dermatological substances, a supply of aptechka for first aid is provided. Treatment of wells with acid, chemical and other reagents is mainly planned at the well time. Pumping units are complemented by a medisina aptechka and a fire extinguisher. The output pipes of pumping units and other special units will be equipped with mufflers and spark plugs[5;156].

The location and use of oil fields under different geological conditions and the specification of the location of the fields, the orientation of the borehole to increase the placement intervals and the reduction of the absolute number of ulaming led to the use of two, sometimes three, and even more layers through one well. Such a method is called a separate use at the same time. The use of multiple layers through one well at a time assumes the use of technical and technological equipment in the use of each layer in oil fields

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