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RELEVANCE OF COMPRESSOR TYPE GAS-LIFT METHOD AT CHINAREV FIELD

Kydrashov Adylzhan

Mechanical engineering faculty
Zhangir khan WKATU

Түйін

Қазіргі кезде әлемдегі көптеген мұнай кен орындарындағы өнімді қабаттарды тиімді пайдалану мақсатында, Чинарев кен орынындағы ұңғымаларды газлифт (компрессорлы) әдісімен пайдаланудың жұмыстарына талдау жасау негізінде, өнімділікті арттырудың жаңа мүмкіндіктерін қарастыру.

Резюме

В современном мире основной целью разработки нефтяных месторождений является более полное извлечение трудноизвлекаемых запасов нефти. В статье рассматривается возможности повышения производительности скважин на основе применения компрессорного метода газлифтной эксплуатации скважин на месторождении Чинарево.

Key words: gas-lift method, artificial method, mechanical method, tubing, continuous gas injection, gas-lift educators, wellhead.

One of the country's oil-producing region, which is located in the West Kazakhstan region - Chinarev field. Gas and gas condensate mainly due to the completion of the first phase of the field, which is a product of the time, that it is necessary to research of production method has become an important problem.

In general, exploitation of oil and gas fields, the main method is artificial method. But in the functioning of oil and gas wells, particularly gas and gas condensate of well fluids (water, unstable gas condensate) will be shown. At the same time, a decrease in well production attributed to the accumulation of liquids in well hole, in some cases, lead to the gas liquid decreasing of wells due to compression of layers.

One of the effective way to solve the problem immediately, it is using mechanical method of oil production.

According to the experience of oil and gas wells exploitation, how to use the lift, play the role of an agent working gas (air) are classified in accordance with the scheme of compressor and non-compressor.

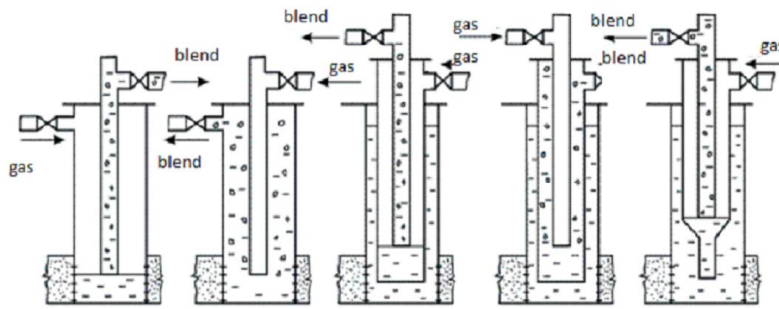


Figure1 Construction of gas-lift eductors

In addition to the above-mentioned gas-lift technology method, the circuits in annulus under the influence of high-pressure gas is injected into the same area in which the fluid is low, the corresponding increase in tubing. When fluid level is reducing until the end of tubing liquid, compressed gas begins to mix down with tubing's liquid. Gas liquid as a result of lower density than the density of liquid from reservoir to ascend fluid level of tubing. As a result, continuous gas injection in the wellhead, gas liquid rise up into tubing at wellhead. In the future, this process will be repeated.

The result of the work done by, you can see that it has the advantage of lift:

1. When we regulate diameter of eductors, then volumes of liquids is increasing.
2. When we operate well with large gas-oil ratio, we use energy of gas reservoir.
3. Well profile minimal impact on the effectiveness of lift method.
4. Regulation of well operating modes.
5. The effectiveness of methods against corrosion
6. Optimization work at well.

At the same time, disadvantages of gas-lift method:

1. We must to invest in construction of compressor stations.
2. Efficiency of lift system is relatively low.
3. When we product well, the risk of stable emulsions formation.

In accordance of above-mentioned opportunities and challenges of gas-lift method, first of all, we use this method with high flow rate, you can arrive at the conclusion that it is necessary to use this method. Nowadays, gas-lift method divided into continuous and regular types, in order to improve the well productivity, through comprehensive analysis.

Finally, using gas-lift method has many possibilities, also possibility to increase the well productivity. We must provide scientific research of this method.

References:

1. Желтов Ю.П. Разработка нефтяных месторождений. - М.: "Недра", 1998.
2. Мищенко И.Т. Скважинная добыча нефти. . - М.: "Нефть и газ", 2003.
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ENGLISH, EDUCATION AND SCIENCE IN KAZAKHSTAN

Seitov A.T.
Polytechnic faculty
Zhangir khan WKATU

Түйін

Ғылым, білім саласындағы заманауи өзгерістер Қазақстанға батыл түрде дүниежүзілік білім кеңістігіне ену талабын қойып отыр. Ол үшін отандық жоғары оқу орындарымыз әлемдік ең озық білім беру технологиясы мен жүйесін басшылыққа алып, оқытудың сапасын көтеруді басты мақсат етіп қоюы керек. Уақыт отандық білім беру жүйесінің әлемдік білім үдерісіне интеграциялануын талап етеді.

Резюме

В настоящее время особое внимание в системе высшего образования уделяется вопросу результативности обучения иностранным языкам и повышения уровня языковой подготовки студентов.

Key words: Polylingual, humanization, language, knowledge, multilingual

It is important to know English language nowadays. English language helps us in all spheres of life such as: work, study, travelling and other. Our president Nursultan Nazarbaev told us about it in his annual address to the people of Kazakhstan. Polylingual study - the basis of the formation of a multicultural identity. The goal of multicultural and polylingual education may lie in the formation of man, capable of active life in a multiethnic and multicultural environment, having a strong sense of understanding and respect for other cultures, the ability to live in peace and harmony with people of different nationalities, races and beliefs.

It is known that can stimulate humanization polylingual study in the national educational system. According Sysoev, the rationale for the priority of the native language and culture in general, which is actively adapting the languages of other peoples, is strengthened by its richness and uniqueness - is a methodological principle, which is put forward as a conceptual solution of social and philosophical issues of humanization polylingual educational space of the modern world. There are three main languages in our country. First is our native language – Kazakh language, second is international language – Russian language and finally third is world language – English language. We use Kazakh and Russian language every day. They developed in our country very well, but we have problems with English language. We need to set a goal to improve the English language skills on par with Russian and Kazakh languages