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GEOELECTRIC EFFECT OF OIL AND GAS FIELDS

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INTRODUCTION

Oil in the world and the development of the gas sector provides promising new facilities for oil and gas in identification and preparation for deep drilling, geophysical surveys were conducted by geology is observed with an active introduction to the search process. Magnetotelluric sensing method of electrocution in Geophysical complex effective, which is used in the forecasting of oilgaziness of objects one of the methods. The advantage of the method is to research large depths so that it takes and is based on the measurement of the natural electromagnetic field allows you to conduct research without powerful current generators. Therefore, in the search for oil and gas handles and perfect-quest one of the top issues of oil and gas Sox in their research is high technological, noise-resistant apparatus-wide range of program complexes uses the phrase.

Currently, the oil production of the subsoil in the world is carried out in geophysica methods particular attention is paid to forecasting. To solve this problem research is carried out in different directions. Including,solving the correct and reverse issue of electrocution, innovation processing and interpretation of technologies and geophysical materials development of methods, geoelectric effect of oil and gas heaps methods of identification, separation of complex structured and deeply lying objects improvement, determination of the criteria for assessing oiliness oil and help to increase the economic efficiency of gas exploration-search work gives.

Resistance to aquifers in oil and gas horizons high, which allows oil and gas fields using electrocution methods and creates positive conditions for determining the contour.

The formation of electric power supply of oil and gas fields in Uzbekistan and scientists and specialists whose development has greatly expanded into this field: A.A. Azimbaev, T.L. Babadzhanov, M.D. Basov, V.V. Belyavsky, O.I. Bobrov, N.G. Zaripova, Yu.S. Korolkov, M.A. Kiriček, A.V. Kirshin, G.V. Kim, Yu.E. Merkulov, N.U. Mukhutdinov, N.M. Rashidov, V.Ya. Sinelnikov, L.P. Sorokotyaga, B. Sultanov, L.S. Related to the names of Trusova.

Direct search for Vniigeophysics 1962-1963 Laboratory (a.A. Kunarev, A.P. Yakovlev, V.V. Green,.) "Özgeofiztrest together with direct gas and oil fields in the gas field in order to assess the possibilities of geophysical methods in search conducted complex research. As a result, for all methods of electrocution in a gas field increased resistance was noted at the depths of the fertile layer. Gas field around the resistance of the sedimentary layer, the part where the deposits do not exist it increases 1.5-1.8 times compared to.

Electrical methods 1970-1990.y. Bukhara-Khiva region Range in the north-western part, in the southern part of the Fergana swamp applied in sections without screens (R.E. Rosenfeld, W.Ya. Sinelnikov).In the conditions of the Bukhara-Khiva region, when there are screen horizons, large the method of generating a magnetic field at a distance has been widely used (N.G. Zaripova, A.V. Kirshin, G.Yu. Yuldashev, L.S. Trusova).

In probing and dipole electric probing techniques when the field is restored when distinguishing weak anomalous effects in hydrocarbon deposits, the field is differential modification methods have been widely used (M.D. Basov, A.V. Kirshin, G.Yu. Yuldashev, V.V. Razumovsky).

The introduction of digital stations, TSES2 and multi-channel hardware-software complexes ein - 2000 in Uzbekistan in the early 1990s increased efficiency of electrocution (o.I. Bobrov, M.A. Saydaliev, A. Kanieva, T.M. Kuchkarova, N.M. Rashidov, L.S. Trusova).

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Currently Phoenix geophysics Ltd of Canada in Uzbekistan company's v-5 SYSTEM-2000 hardware for MTZ and ZS methods widely used. Since 2008, it has been in the Bukhara-Khiva region applies its high accuracy in the regional and search stages proved (N.M. Rashidov, A.A. Azimbaev).

Geological conditions of the areas under study and subject to resolution various modifications of electrocution based on tasks applied. Chorjou step research MTZ and ZSD-zi methods it is carried out using.

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