

STUDY OF THE RELATION BETWEEN URANIUM AND OIL IN ERLIAN BASIN

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Uranium deposit and oil accumulation occur in the same depression in Erlian Basin. This phenomenon is not occasional. It shows the certain relation of uranium and oil in origin.

The paper introduces the geological characters of uranium deposit and oil accumulation, analysis the interrelation evidences of uranium deposit and oil field. The relation of uranium and oil in origin have been experimented by several geochemical and geophysical methods. It reveals the relation of uranium and oil in formation and distribution. It explains the reason of radioactive field around the oil field. The formation model of uranium that is combined with oil field, and radioactive field model on the different oil field top have been established.

It is important of using uranium as indicator and vice vers to find oil. It is useful of using radioactive methods to exploit oil field. A potential oil-bearing area could be predicted by the methods.