

INFORMATION SUBMISSION OF OBJECTS OF PROSPECTING WORK ON OIL AND GAS

1VOROBYEV, V. N., 2KELLER, M. B., 1KHROMOVSKIY, Y. Y. 1East-Siberian Research Institute of Geology, Geophysics and Mineral Resources, Irkutsk, Russia; 2Ministry of Natural Resources of Russia, Moscow, Russia.

Under the forms of organization the prospecting work are classified on groups of objects direct (slit, geophysical structure, point) and indirect work. The second group integrates cumulative systems of search - prospecting (areas of work, deposit, site of licensing), oil and gas (region, area, province), tectonic (platform, plate, structure regional and local), administrative and economic contents. Primary source of the information are slits (geophysical structure, view point), remaining objects - summarized systems which are becoming complicated in accordance with transition from lower layers of their hierarchical organization to upper. The realization of the similar approach provides creation of the structure, in which at each level of filling the invariant, identification and dynamic parameters of the data description and functional relations, determining hierarchical correlations of objects are fixed. Primal problem of a service deckhouse is a shaping of images of cumulative objects with submission of generalized sample reflecting information filling of the lower objects, and also newly arisen connections of a higher rank. Set of functional correlations of objects and the data bases generate a dynamic information system. It is supported by logic means of problems of membership solving, plane geometry, stratigraphical partition of slits with monitoring of stocks and resources. The present system keeps an information about belonging of deposits to oil-gas, tectonic, administrative and economic regions.