

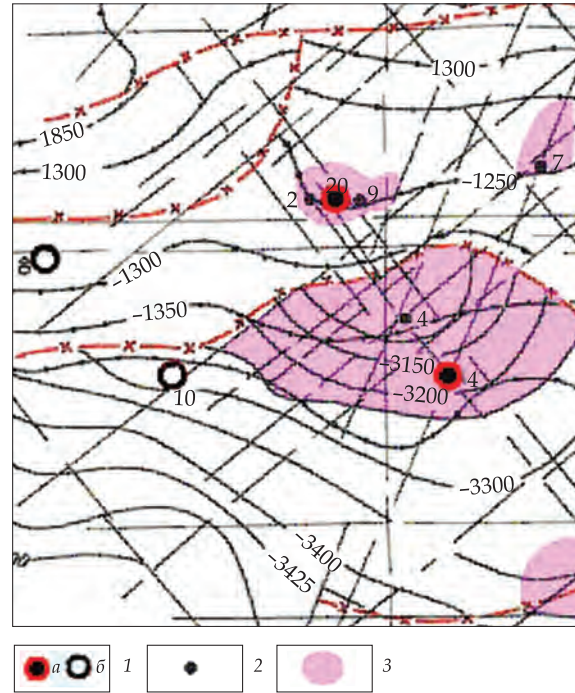
MULTISPECTRAL STRUCTURAL FIELD METHOD FOR PREDICTION OF OIL AND GAS DEPOSITS

Areas of Application

The method is to be used for prospecting hydrocarbon deposits using satellite methods in various geological and landscape conditions for solving the following tasks: to rank the oil and gas prospecting objects obtained with the use of various geological and geophysical methods by productivity criterion; to define more exactly the external contour of oil and gas presence; and to promptly estimate the oil and gas bearing capacity before prospect drilling

Specification

The method provides predictions of hydrocarbon deposits located at a depth of 1500–6000 m. The probability is 80%. The survey results are maps of anomalies caused by hydrocarbon deposits (at a scale of 1 : 50 000–1 : 10 000)



Technology approbation results: 1 – wells: a) gas wells, b) non-productive wells; 2 – productive wells drilled before anomalies detection; 3 – optical anomalies based upon survey results

Advantages

The method has no counterparts. It ensures prompt results, low costs, and highly verifiable predictions

Stage of Development. Suggestions for Commercialization

IRL7, TRL8
Satellite geologic surveys for oil and gas prospecting are done upon request

IPR Protection

IPR3



Derrick at well No. 8

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