



Petroleum Geology of the Precaspian Basin

A non-proprietary report by Blackbourn Geoconsulting

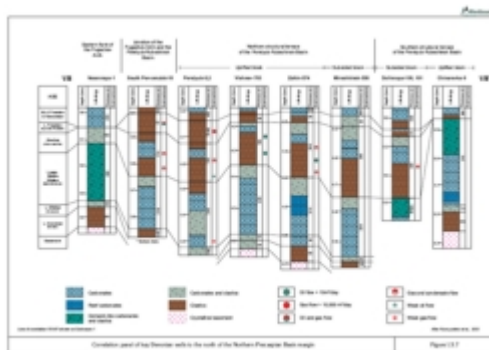
Blackbourn Geoconsulting presents a summary of the geological development and hydrocarbon habitat of the Precaspian Basin.

The report describes the **development** and **petroleum geology** of the Precaspian Basin, which lies to the north of the Caspian Sea partly within Russia and partly within Kazakhstan, with its southern margin beneath the North Caspian.

Part I of Volume I of the report begins with a short overview of the **geography**, **geology** and **exploration history** of the area. The remainder of Part I comprises a systematic description of the geological development of the area, beginning with its **tectonic development** in the context of the basin's position on the southeastern "corner" of the East European Platform.



General Location Map of the Precaspian Basin



Northern Precaspian: Correlation Panel

This is followed by a review of the **stratigraphy** and **palaeogeography** of the basin. Although it now appears broadly circular in plan view, the Precaspian Basin is not symmetrical in structure, and different parts of its margin developed separately and have distinct histories. These are considered in turn:

- § Northwestern & Western (Pre-Volzhe) Margins
- § Astrakhan Arch and Surrounding Areas
- § Eastern Margin
- § Southern and Southeastern Margins

Part II of this report on the Precaspian Basin describes the elements of known and potential **petroleum systems** within the basin. Owing to its great depth, hydrocarbon prospectivity is mostly associated with the basin margins, although some brief notes are included regarding the nature of the deeper basin.

