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Joint Hydrodynamic Sectioning Method and Logs for Determining Mud Shale Organic Carbon Content

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Summary

As the organic carbon content directly influences the optimization of shale gas exploration zones, an in-depth evaluation on organic carbon content is particularly important. At present, the most common method for determining the organic carbon content in the mud shale is the $\Delta\log R$ method, which is lose sight of the hydrodynamic conditions and sedimentation environment, such as underwater disturbance and oxygen content difference, the difference in preservation conditions for organic matters. Those can lead to in great variation in the organic carbon content. This paper introduces the evaluation technique for the organic carbon content in the mud shale.

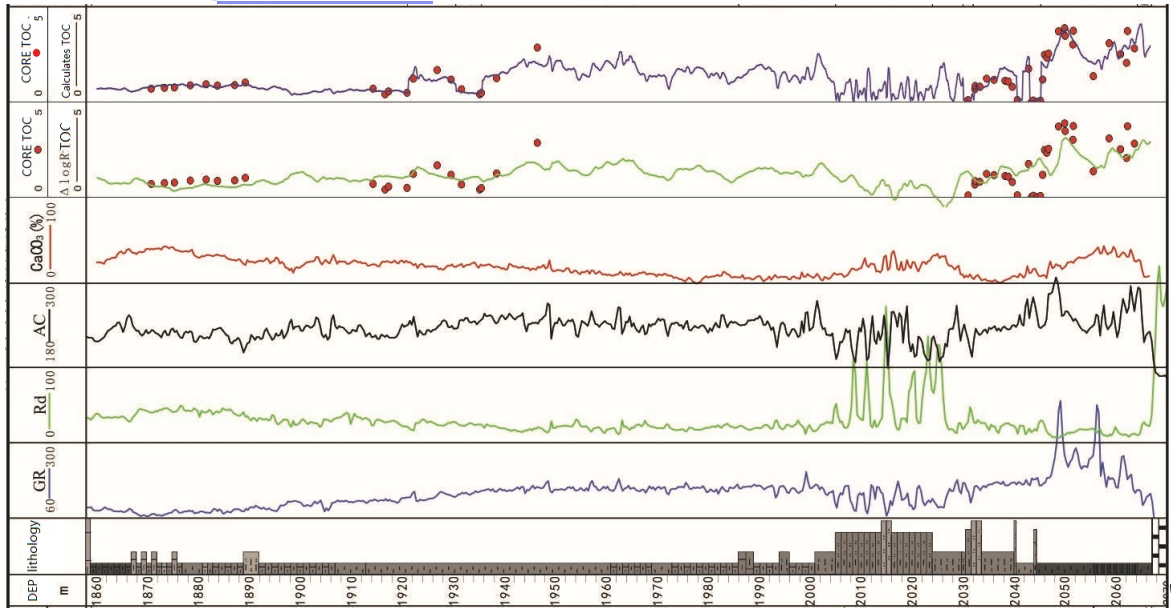


Figure 2 The comparison of the results of this calculation method and $K \log R$.

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