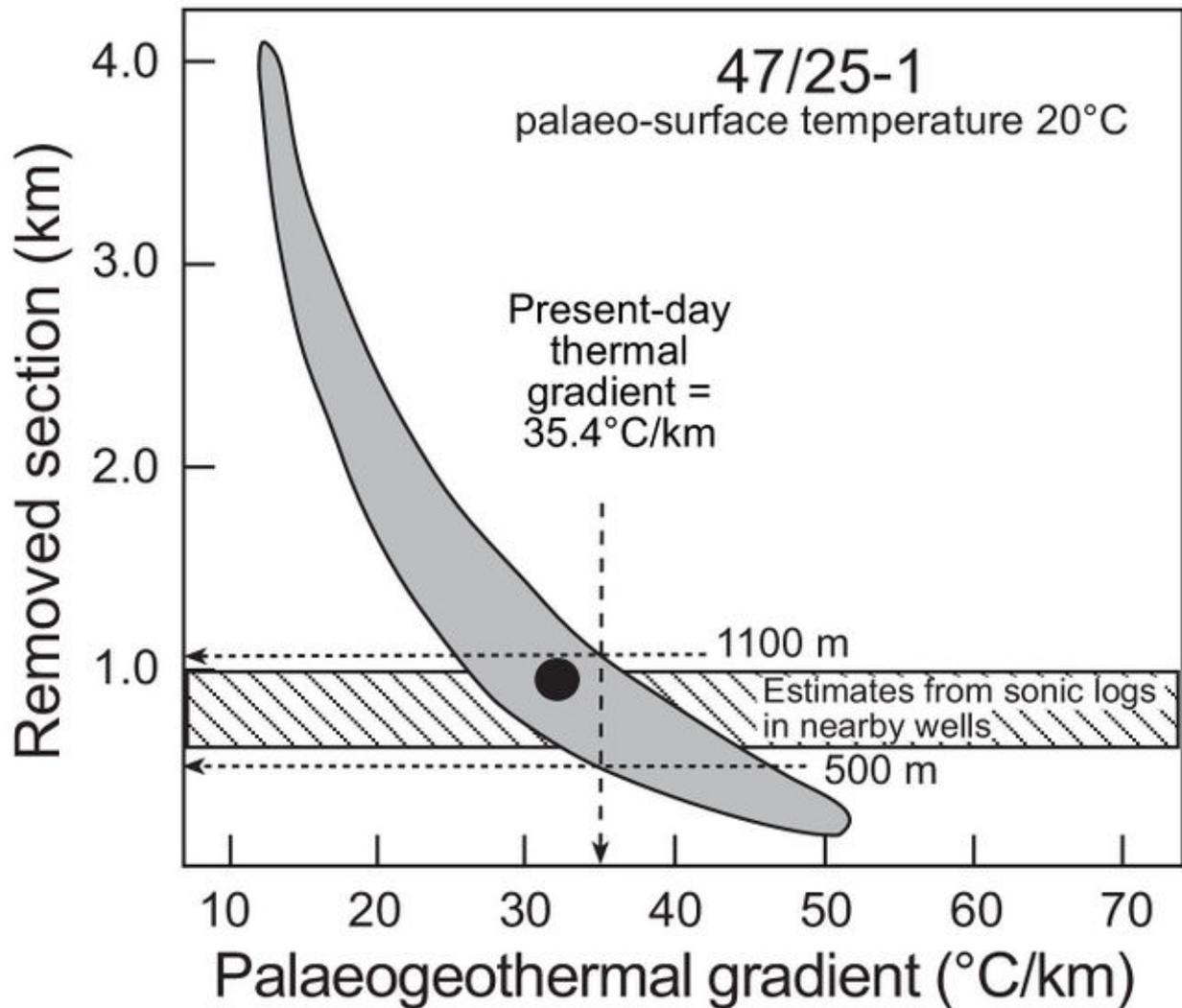


# File:YGS CHR 03 POST FIG 05.jpg

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## Summary

<b>description</b>	<p><b>English:</b> Figure 5 Fitting a linear palaeotemperature profile to the constraints derived from AFTA and VR data in SNS well 47/25-1 (<a href="#">Figure 4</a>) and extrapolation to an assumed palaeosurface temperature of 20°C allows estimation of the range of palaeogeothermal gradients and removed section that are consistent with the data within 95% confidence limits, as shown by the shaded zone. The methods employed in constructing this figure, and the assumptions embodied in the analysis, have been described, for example by Bray et al. (1992), Crowhurst et al. (2002) and Green et al. (2002). Also shown is the range of values of removed section defined by sonic velocity data from Triassic and Upper Cretaceous units in this and adjacent wells, from Japsen (2000). For a palaeogeothermal gradient close to the present-day value of 35.4°C km<sup>-1</sup>, allowed values of removed section derived from the AFTA and VR data are highly consistent with those derived from the sonic velocity data, and data from three independent systems give consistent indications of 600–1000m of missing post-Chalk section.</p> <p>From: <a href="#">Carboniferous hydrocarbon resources: the southern North Sea and surrounding onshore areas</a>, edited by J. D. Collinson, D. J. Evans, D. W. Holliday, N. S. Jones. Published as volume 7 in the Occasional Publications series of the <a href="#">Yorkshire Geological Society</a>, Copyright <a href="#">Yorkshire Geological Society</a> 2005.</p>
<b>source</b>	Yorkshire Geological Society
<b>author</b>	Paul F. Green

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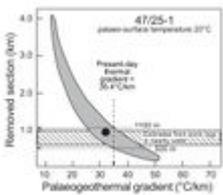
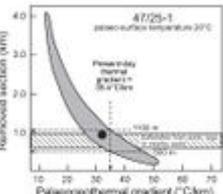
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