

Identification and interpretation of missing section, Part I

Missing section is a critical clue in the identification of normal faults and of unconformities. This page therefore begins three pages concerned with the identification and interpretation of missing section. The successive steps between the panels below can be treated as exercises for the reader.

Panel 1 shows logs from two wells, A and B, with two convenient horizons marked in A. Correlation of the two markers into Well B in Panel 2 shows that the section between the two markers is much thinner in Well B. Careful matching of excursions in the two logs in Panel 3 shows that section is missing, rather than

that the entire section is uniformly thinner. Panel 4 explicitly labels the missing section. Whether section is missing because of a normal fault or because of an unconformity remains to be determined and is the subject of Parts II and III.

