Figure 15. La Lajilla, Mexico. Stratigraphic column through the K/T sandstone complex at La Lajilla, Mexico. 40 km east of Ciudad Victoria. Measured paleocurrent directions are plotted next to the stratigraphic level. At right the total number of current reversals is indicated, inferred to indicate the number of passages of tsunami waves. Pcl = primary current lineation.

matrix. In contrast to the other K/T clastic beds, no Units II and III could be distinguished; almost the entire bed consists of bubbly spherules. The spherules are composed of sparry calcite (Fig. 14F); unfortunately, we have found no relict glass in a sample of 800 g dissolved in HCl. Red pelagic sediments directly overlying the K/T sandstone complex are of *G. eugubina* Zone age. In contrast to the other K/T outcrops in eastern Mexico, the K/T sandstone complex is intercalated in red marls that may indicate deposition in deep (>600 m) water, below the oxygen minimum zone. Although we have not found preserved glass, the K/T sandstone complex is reminiscent of the Beloc outcrop on Haiti, in that it is essentially composed of Unit I.

OTHER OUTCROPS IN THE GULF OF MEXICO

Other outcrops of the K/T sandstone complex are known from the literature, and we have also studied them. We report

here some of our observations, in particular those that have a bearing on interpretations in the literature.

Beloc, Haiti

The K/T boundary sandstone complex crops out along the road from Carrefour Dufort to Jacmel, within rhythmically bedded pelagic chalks of the Beloc Formation (Maurasse et al., 1979). The K/T sandstone complex is exposed at several places along the road, because the road descends almost at the same angle as the local dip of the layers. The Beloc Formation is gently folded but not severely deformed, although many minor faults occur. However, package-sliding and slumping also occur at many horizons, and the intensity of synsedimentary deformation differs from place to place. None of the K/T sandstone outcrops has escaped synsedimentary deformation, and each