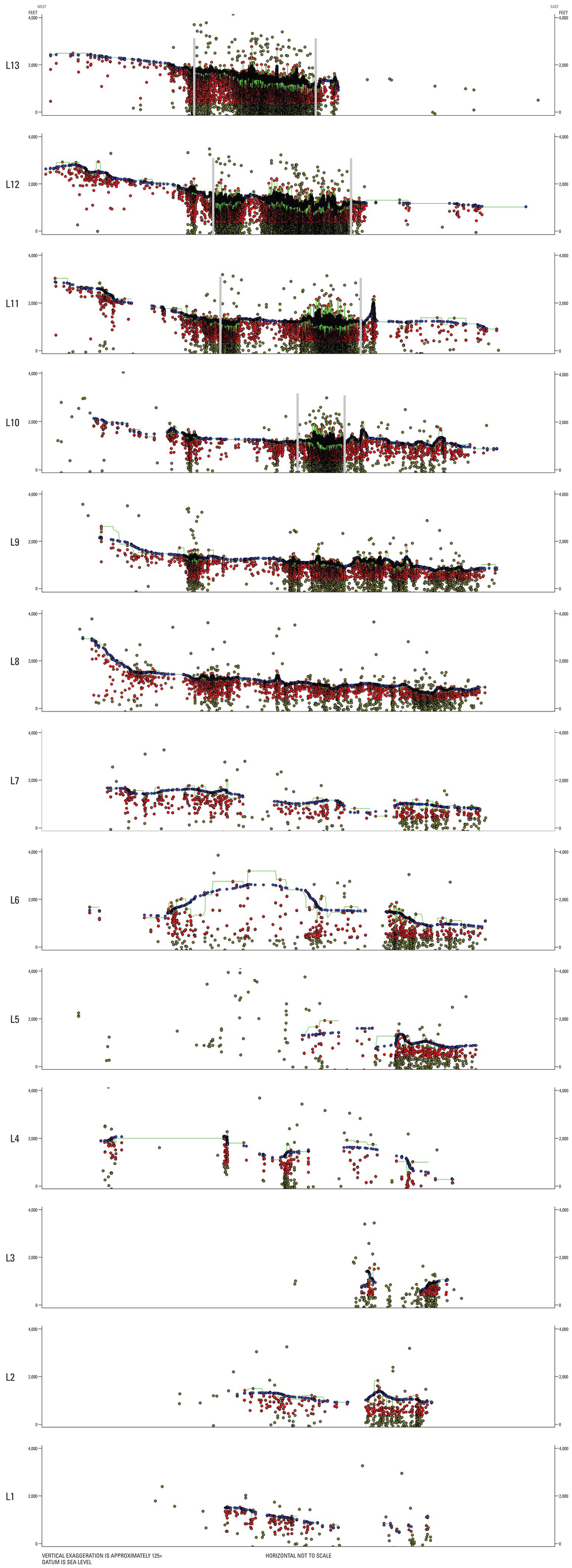

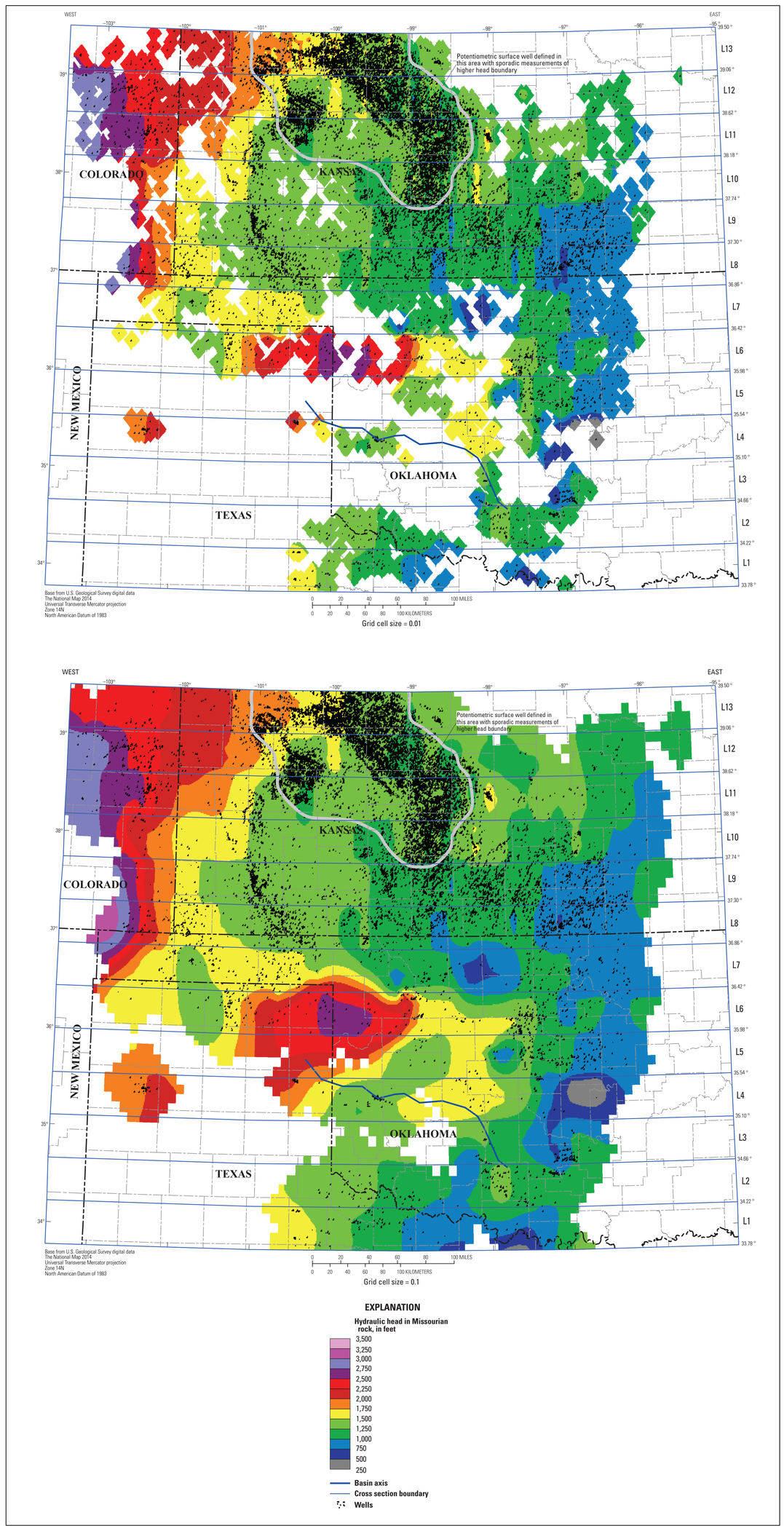

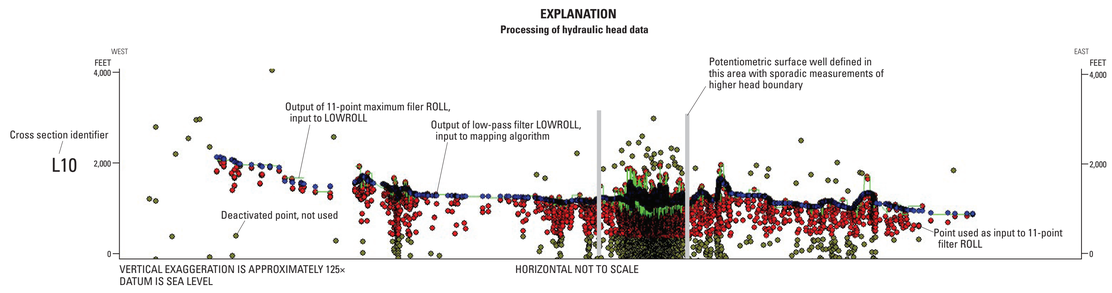

This plate illustrates how hydraulic head values were processed on 13 east-west lines and then transformed to a potentiometric surface. The green dots are head values that were deactivated and not used. The red dots are head values that were retained and used as input to an 11-point filter called ROLL. The continuous green line is the output of ROLL, which served as the input to a low-pass filter called LOWROLL. The blue dots are the output of LOWROLL and were input to the mapping algorithm. The mapping algorithm produced the two maps shown above for Missourian age rocks at two different grid cell sizes. The black dots on the maps show the locations of wells with pressure data that were used to compute hydraulic head.

Hydraulic Head Data and Processing on 13 West-East Lines and Resulting Potentiometric Surfaces for Rocks of Missourian Age

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2014

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This map was printed on an electronic plotter directly from digital files. Dimensional calibration may vary between electronic plotters and between X and Y directions on the same plotter, and paper may change size due to atmospheric conditions; therefore, scale and proportions may not be true on plots of this map.

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