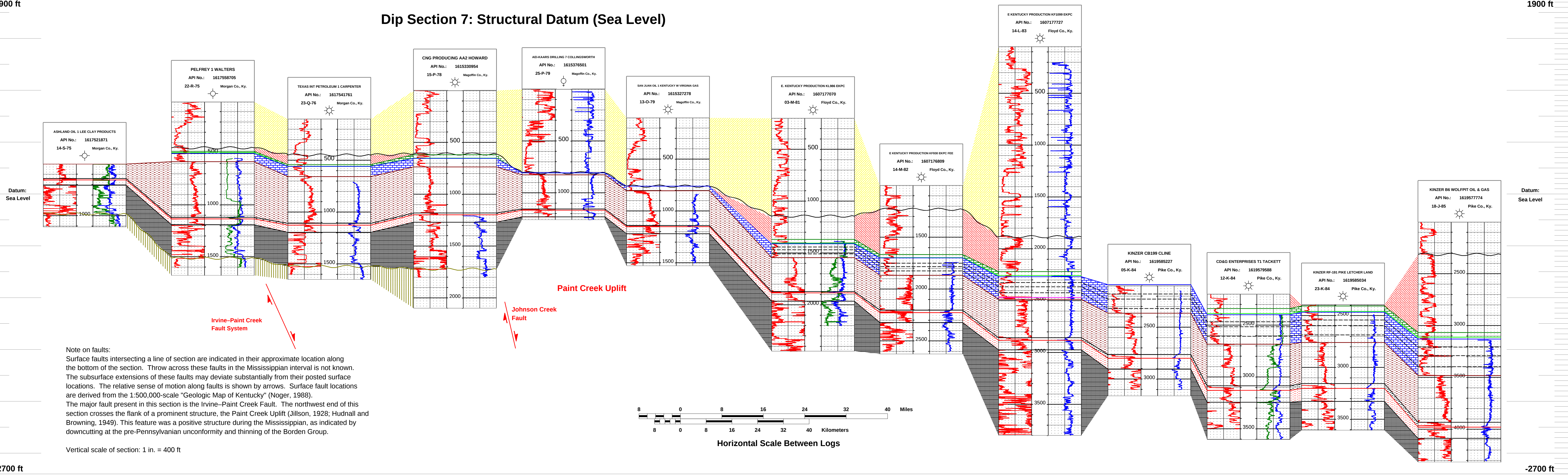


NW

1900 ft

Dip Section 7: Structural Datum (Sea Level)



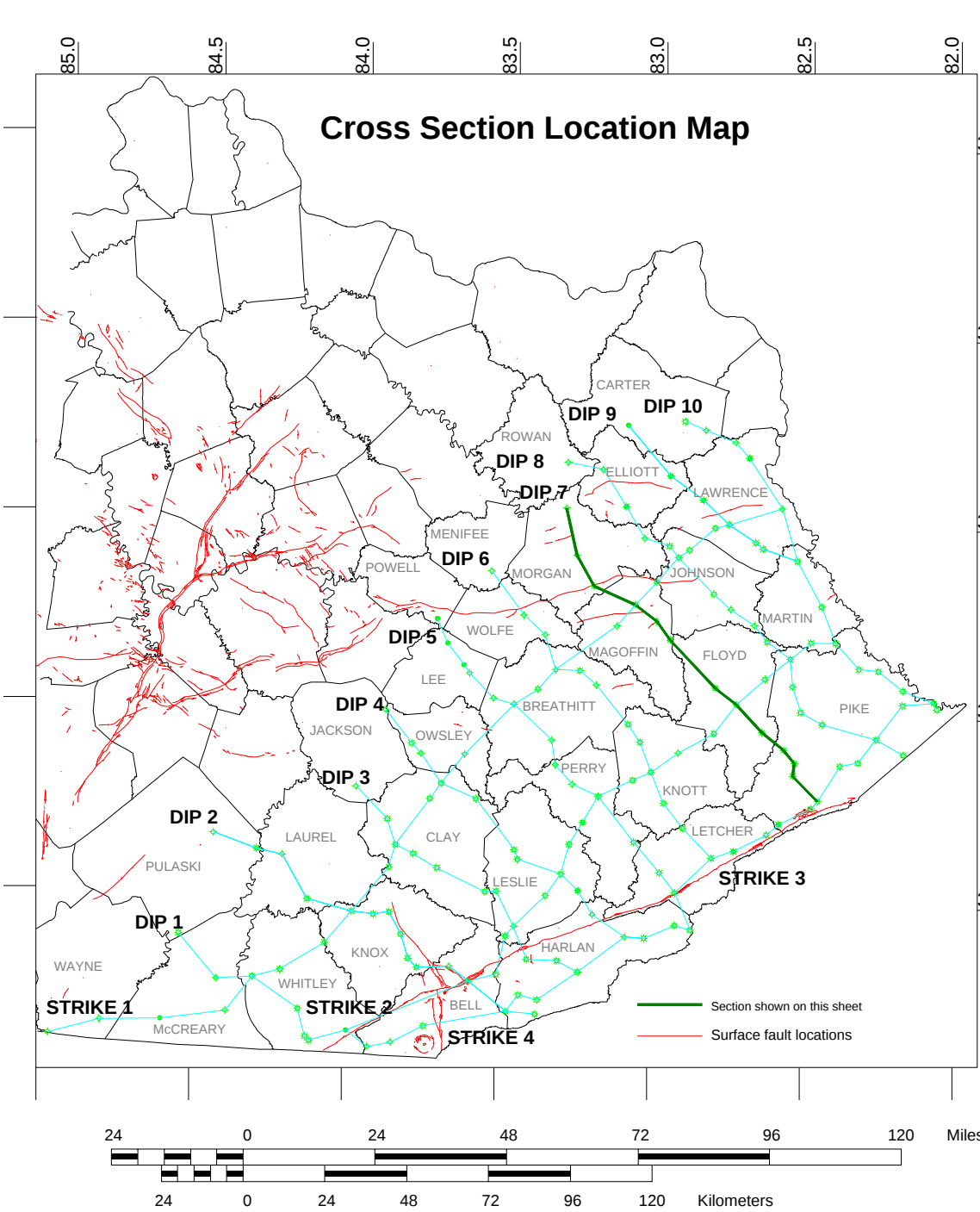
Kentucky Geological Survey
James C. Cobb, State Geologist and Director
University of Kentucky, Lexington

Map and Chart Series 14
Series XII, 2000

Regional Subsurface Geologic
Cross Sections of the
Mississippian System,
Appalachian Basin,
Eastern Kentucky

Sheet 7 of 14

David C. Harris and
Thomas N. Sparks



NW

2500 ft

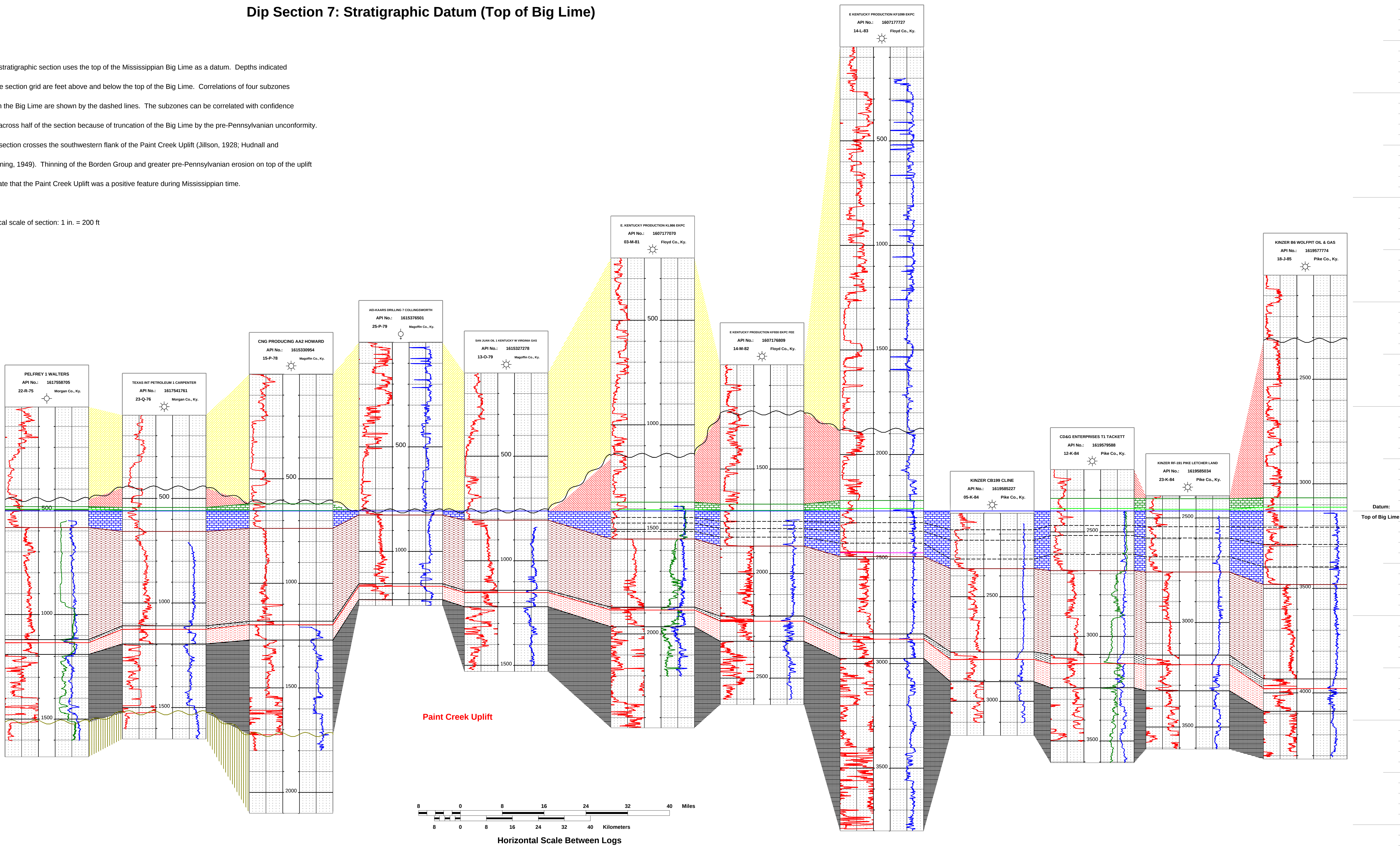
Dip Section 7: Stratigraphic Datum (Top of Big Lime)

This stratigraphic section uses the top of the Mississippian Big Lime as a datum. Depths indicated on the section grid are feet above and below the top of the Big Lime. Correlations of four subzones within the Big Lime are shown by the dashed lines. The subzones can be correlated with confidence only across half of the section because of truncation of the Big Lime by the pre-Pennsylvanian unconformity. This section crosses the southwestern flank of the Paint Creek Uplift (Jillson, 1928; Hudnall and Browning, 1949). Thinning of the Borden Group and greater pre-Pennsylvanian erosion on top of the uplift indicate that the Paint Creek Uplift was a positive feature during Mississippian time.

Vertical scale of section: 1 in. = 200 ft

Datum:
Top of Big Lime

-1700 ft



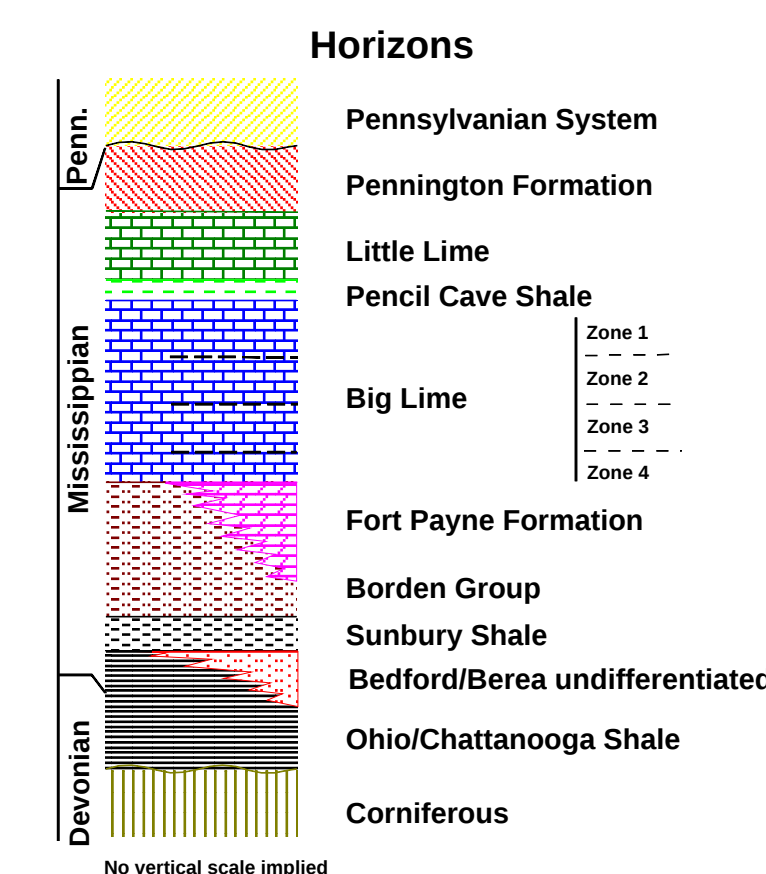
SE

2500 ft

Datum:
Top of Big Lime

-1700 ft

Explanation



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