

PRELIMINARY MAP OF THE STRUCTURE  
 OF THE PRECAMBRIAN SURFACE  
 IN EASTERN KENTUCKY

James A. Drahovzal and Martin C. Noger



This map is accompanied by a 9-page explanatory text.

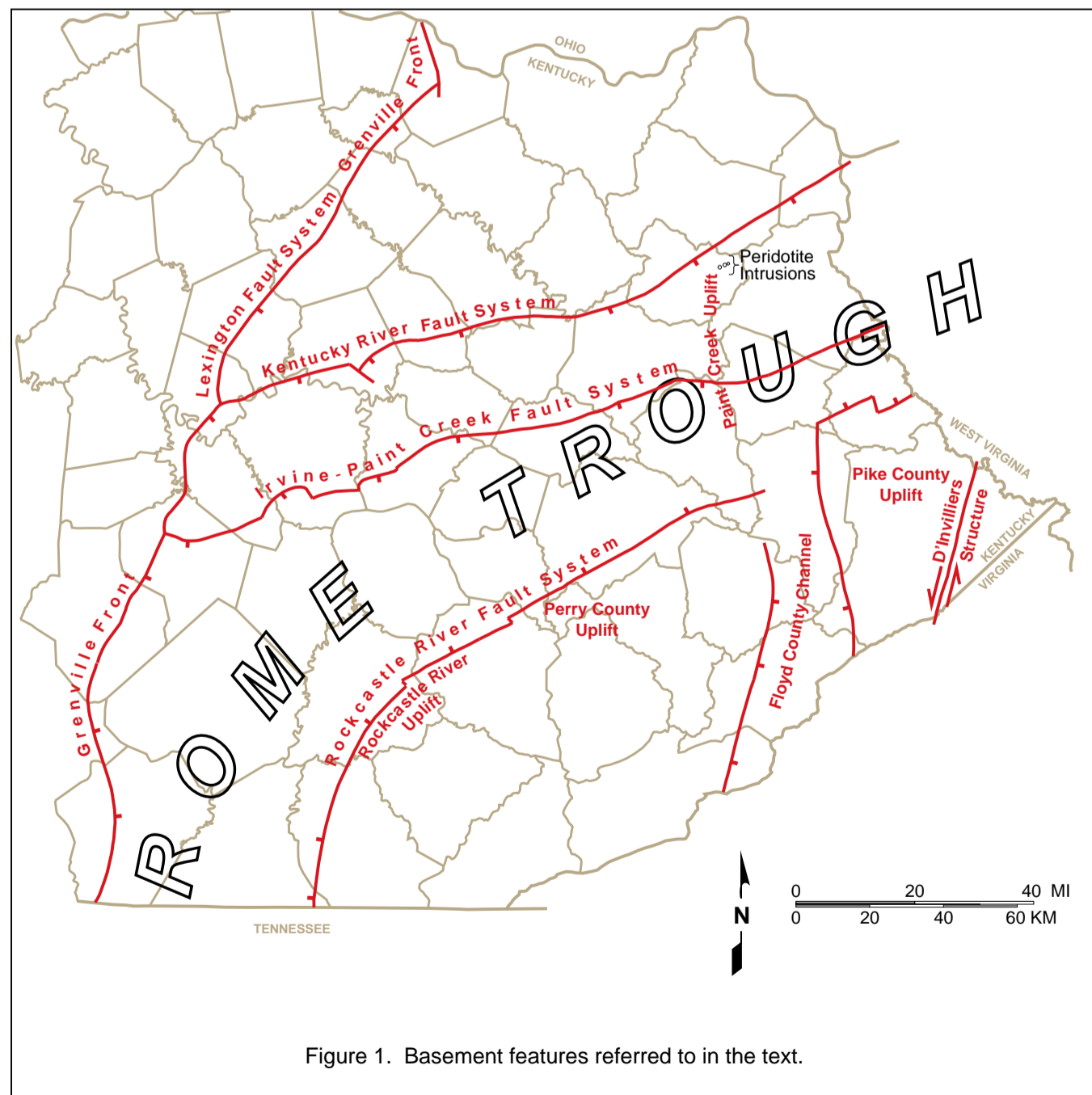
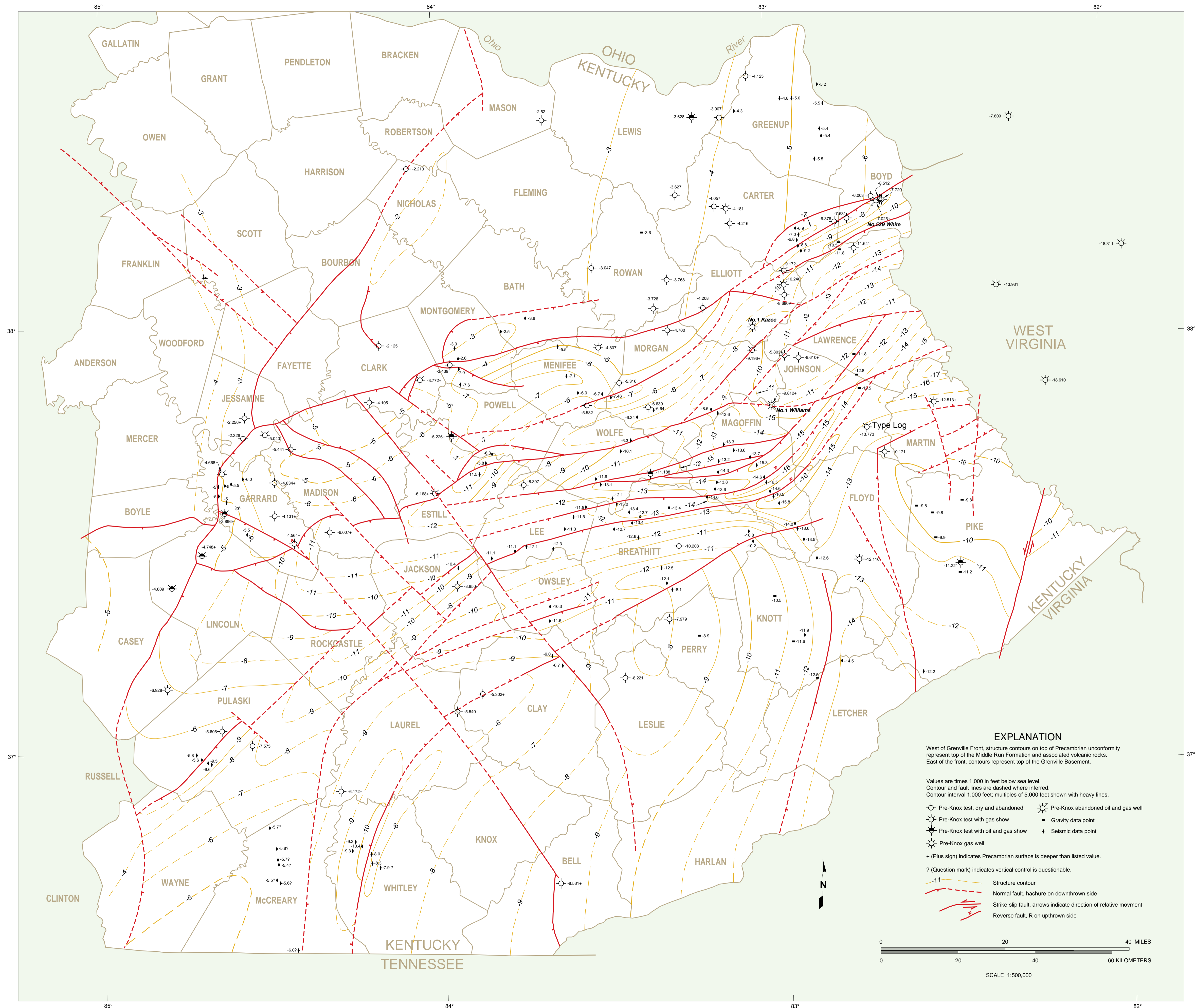


Figure 1. Basement features referred to in the text.



EXPLANATION

West of Grenville Front, structure contours on top of Precambrian unconformity represent top of the Middle Run Formation and associated volcanic rocks. East of the front, contours represent top of the Grenville Basement.

- Values are times 1,000 in feet below sea level.
- Contour and fault lines are dashed where inferred.
- Contour interval 1,000 feet; multiples of 5,000 feet shown with heavy lines.
- ☉ Pre-Knox test, dry and abandoned
- ☉ Pre-Knox abandoned oil and gas well
- ☉ Pre-Knox test with gas show
- ☉ Pre-Knox test with oil and gas show
- ☉ Pre-Knox gas well
- Gravity data point
- Seismic data point
- + (Plus sign) indicates Precambrian surface is deeper than listed value.
- ? (Question mark) indicates vertical control is questionable.
- 11 Structure contour
- - - Normal fault, hachure on downthrown side
- - - Strike-slip fault, arrows indicate direction of relative movement
- - - Reverse fault, R on upthrown side

