



FIGURE 14.13
Block diagrams to be completed for Problem 4.

- b. Again, the vertical column on the front face of Figure 14.13B shows the different rock units encountered in an old water well.
- (1) Use the available information to complete the front and as much of the side face as possible. (Don't go beyond what the observations allow!)
 - (2) Much of the side face is blank even after using the information provided. Propose a site for another well that would provide the maximum information about that blank side, and fill out the side assuming that two new units were encountered in your well.
 - (3) What kind of fold is this (anticline, syncline; upright, inclined, overturned, or recumbent; plunging or non-plunging)?
 - (4) Illustrate the position of the axial surface of the fold by sketching its trace.
- c. The vertical column on the front face of Figure 14.13C shows the different rock units found in a recently drilled oil well. A fault is shown on the top face.
- (1) Use the available information to help you complete the diagram.
 - (2) Label any folds on the diagram using the usual terminology.