

Contour the Northport Dolomite in the map of Fig. 8.63, being careful to explain the fault cuts and the oil trap(s). Is there one oil field or two? What are the attitudes of the faults? What is the throw and heave on each fault? Which fault is older? If the hydrocarbons migrated before the formation of the younger fault, would the trapping potential of the structures be the same? Are there any additional hydrocarbon prospects?

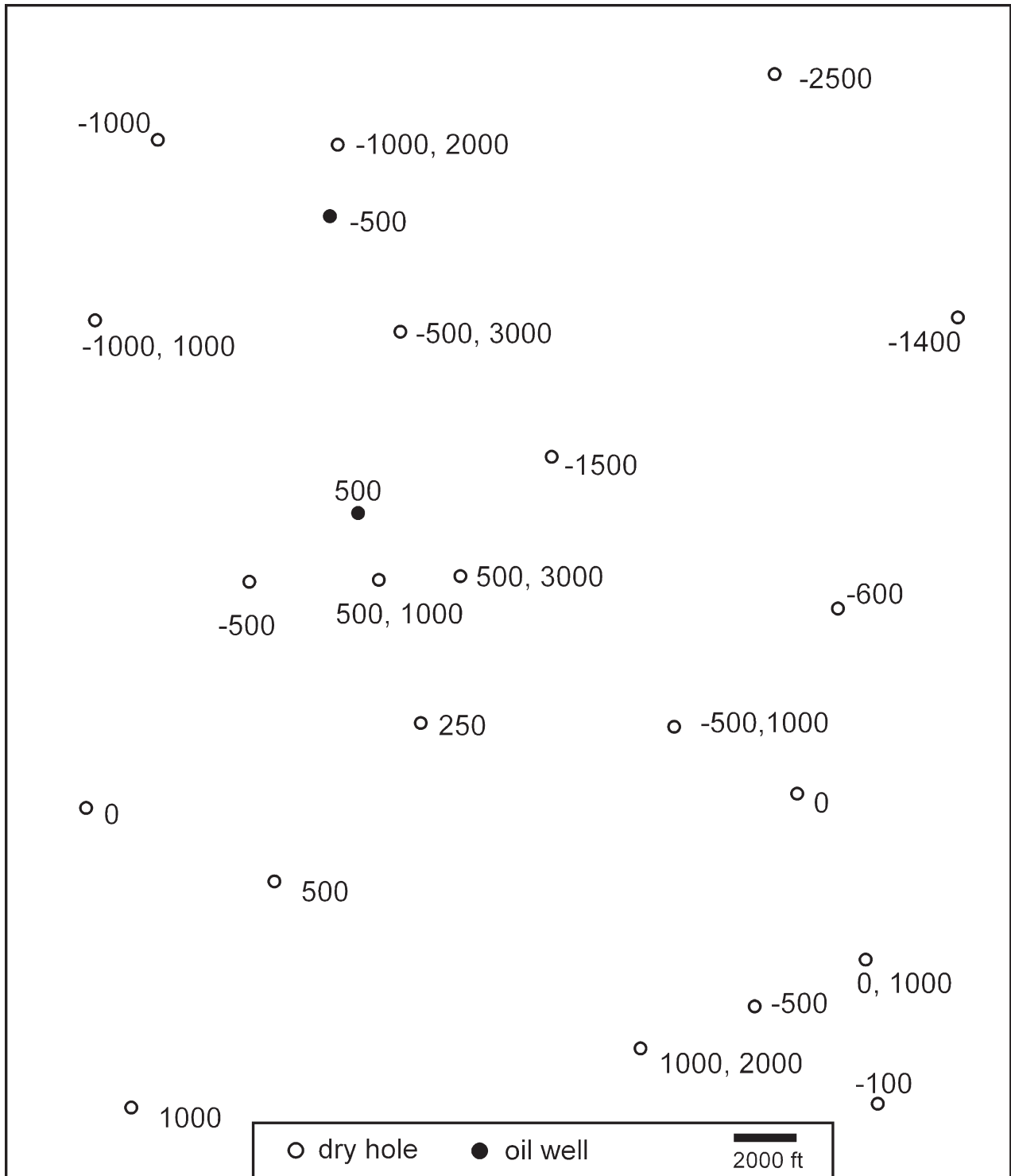


Fig. 8.63. Map of well information from the Northport Dolomite. *Two numbers* together next to a well give fault cut information: 500, 100: depth of fault cut, amount of fault cut. A *single number* by the well is the top of the dolomite. Where only fault-cut information is given, the dolomite is faulted out. The fault trends are generally northwest-southeast. Elevations are in feet, negative below sea level