

EXPLANATION

Alluviated area
Subcrop of Carthage Limestone Member of Sturgis Formation (Upper Pennsylvanian). Ticks show side of subcrop line on which Carthage has been removed by erosion.

The alluviated valleys are filled with as much as 140 feet of unconsolidated material. Alluvium and Pennsylvanian rocks described by Johnson and Norris (1976)

Area of occurrence of Madisonville Limestone Member of Sturgis Formation (Upper Pennsylvanian). Because the Madisonville includes at least two discontinuous limestone lenses, specific delineation of the subcrop area cannot be extrapolated from existing drill-hole data and boundaries are only approximately located.

Non-alluviated area, and alluviated areas covered by loess
From map by Johnson and Norris (1976)

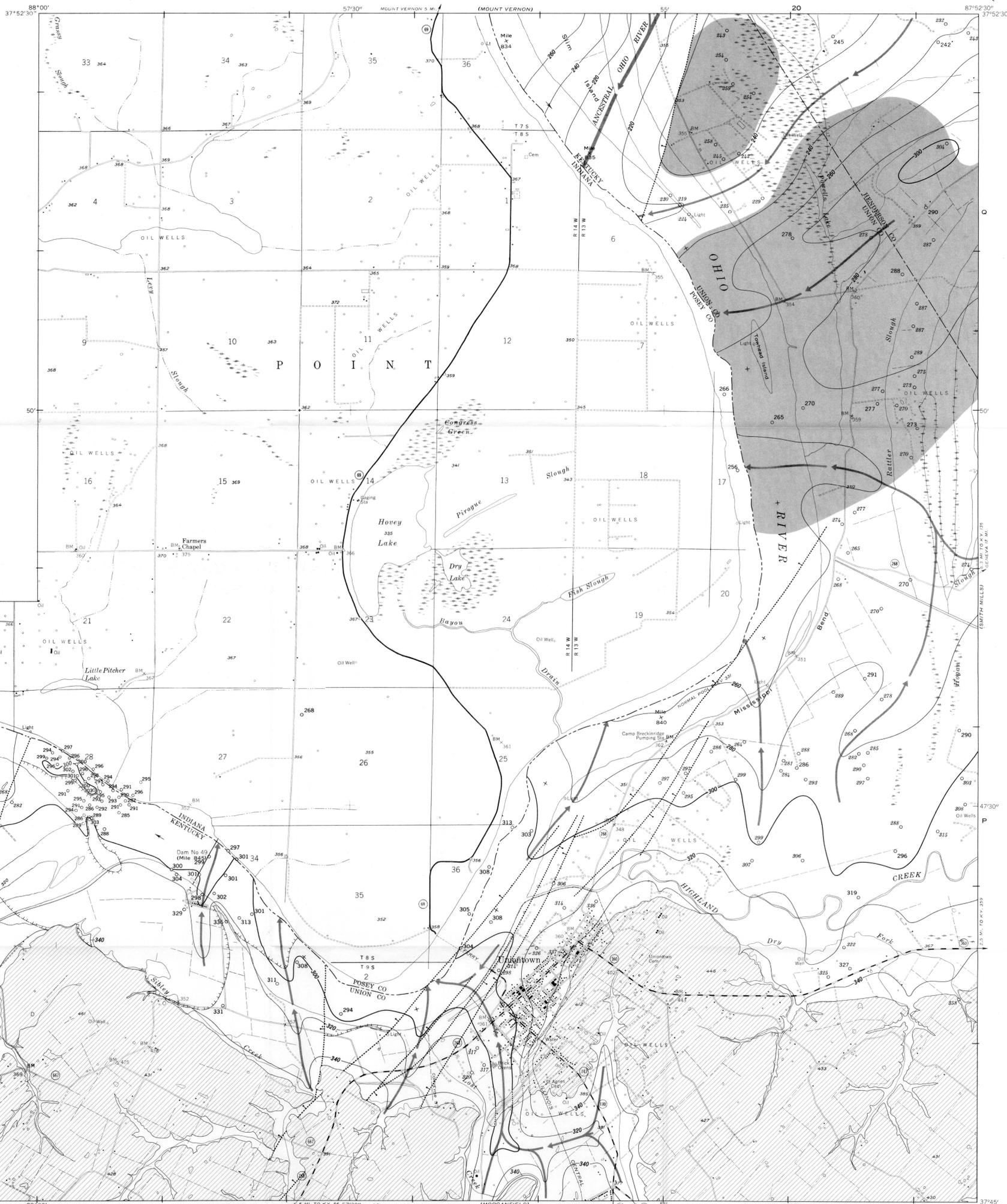
Buried fault
Bar and ball on downthrown side

Topographic contours on buried bedrock surface where concealed by alluvium
Dotted where alluvium is covered by loess. Datum is mean sea level. Contours above 340 feet not shown. Contour interval 20 feet

Data from recent drilling have resulted in discrepancies in the match of some bedrock contours along north boundary of quadrangle, east of Ohio River, with those shown on bedrock map of adjoining area to the north (Norris, 1974)

REFERENCES CITED
Gallaher, J. T., 1964. Geology and hydrology of alluvial deposits along the Ohio River between the Uniontown area and Wickliffe, Kentucky. U.S. Geol. Survey Hydrol. Inv. Atlas HA-129.
Johnson, W. D., Jr., and Norris, R. L., 1976. Geologic map of parts of the Uniontown and Wabash Island quadrangles, Union and Henderson Counties, Kentucky. U.S. Geol. Survey Geol. Quad. Map GQ-1291.
Norris, R. L., 1974. Map showing bedrock topography of parts of the West Franklin, Caborn, and Mount Vernon quadrangles, Henderson and Union Counties, Kentucky. U.S. Geol. Survey Misc. Geol. Inv. Map I-864

AREA COVERED BY THIS REPORT



Base from U.S. Geological Survey, 1958
The Carter Coordinate System letters and numbers used to designate five-minute divisions of latitude and longitude are shown along the margins; tick marks indicate one-minute divisions

SCALE 1:24 000



Compilation based on drill-hole data available as of Jan. 1, 1974, on data from Gallaher (1964), in part on projection into subsurface of geologic data shown by Johnson and Norris (1976), and on U.S. Corps of Engineers borings and soundings in Ohio River

MAP SHOWING BEDROCK TOPOGRAPHY AND SUBCROP AND AREA OF OCCURRENCE OF SELECTED BEDS BENEATH ALLUVIAL DEPOSITS OF PARTS OF THE UNIONTOWN AND WABASH ISLAND QUADRANGLES, UNION AND HENDERSON COUNTIES, KENTUCKY

By
Avery E. Smith and Ronald L. Norris
1976