

NOTE: Contours were computer generated. Some detail may have been lost in the process.

Note: Locations of state boundaries on the map were modified from the Tectonic Map of the United States (U.S. Geol. Survey and Am. Assoc. Petroleum Geologists, 1962). Generalization involved in enlarging these boundaries from the tectonic map at a scale of 1:2,500,000 has resulted in discrepancies in some locations amounting to several kilometers.

EXPLANATION

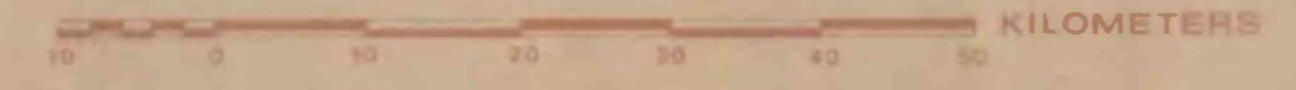


GRAVITY CONTOURS

Contour interval is 2 milligals. Dashed contours indicate areas of low gravity clovers. A density of 2.67 grams per cubic centimeter and the Geodetic Reference System 1967 formula were employed in reducing the data. No terrain corrections were made.

This map is preliminary and has not been edited or reviewed to conform to U.S. Geological Survey standards.

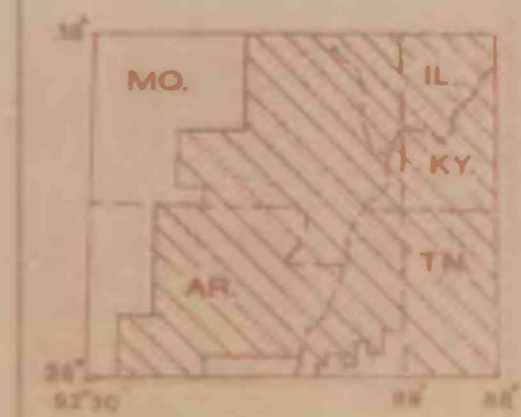
SCALE 1:500,000



**BOUGUER GRAVITY MAP OF THE
NORTHERN MISSISSIPPI EMBAYMENT,
PARTS OF MISSOURI, ARKANSAS, TENNESSEE,
KENTUCKY AND ILLINOIS**

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1977

INDEX MAP SHOWING APPROXIMATE AREA OF COVERAGE



Gravity stations in Missouri and Illinois collected under USGS scientific contract 14-00-0001-0-129 by the Northern Illinois University; gravity stations in Tennessee (east of longitude 89°) and Kentucky collected under USGS scientific contract 14-00-0001-0-274 by the University of Kentucky; gravity stations in Tennessee (west of longitude 89°) collected under USGS scientific contract 14-00-0001-0-270 by the Vanderbilt University; gravity stations in Arkansas collected by the U.S. Geological Survey.

