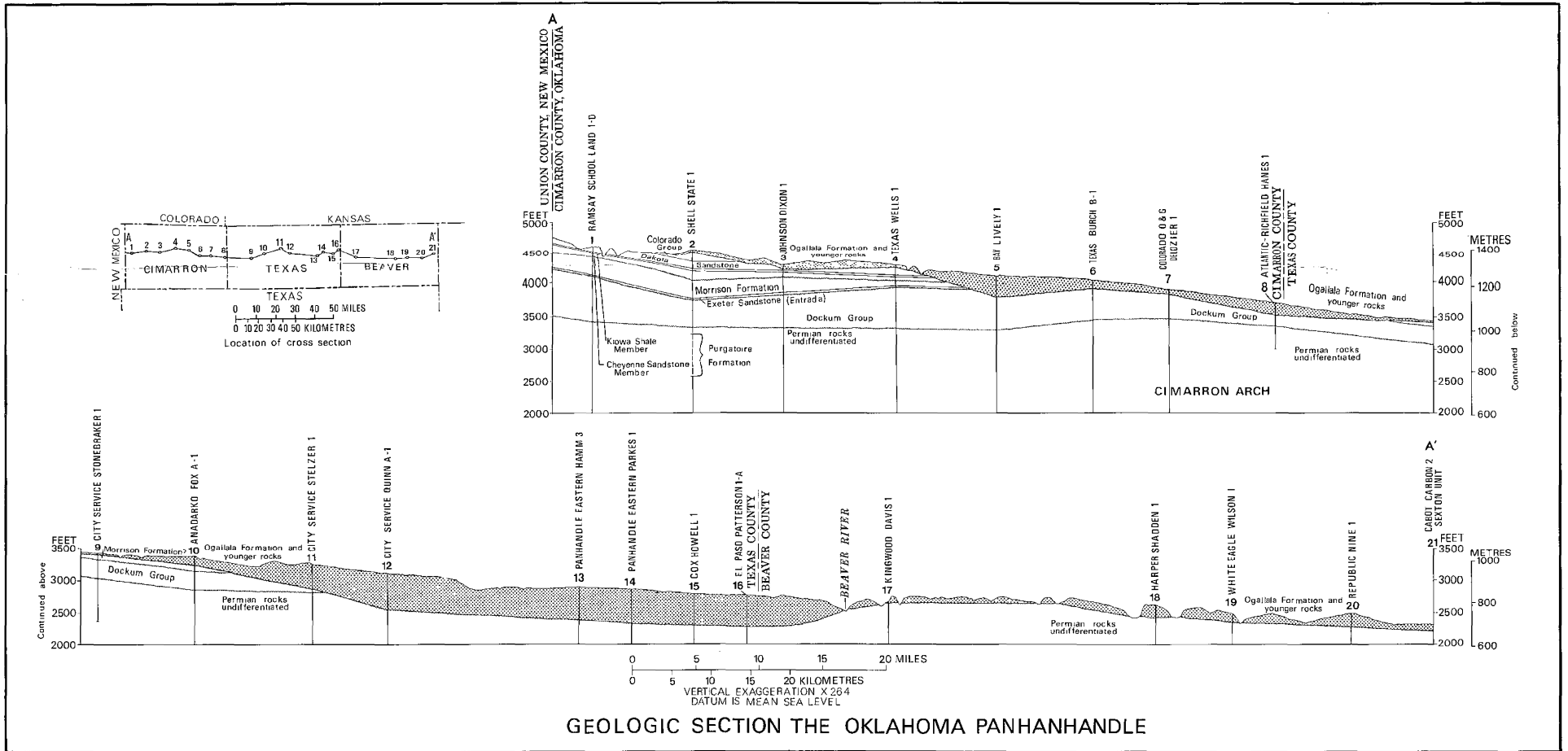


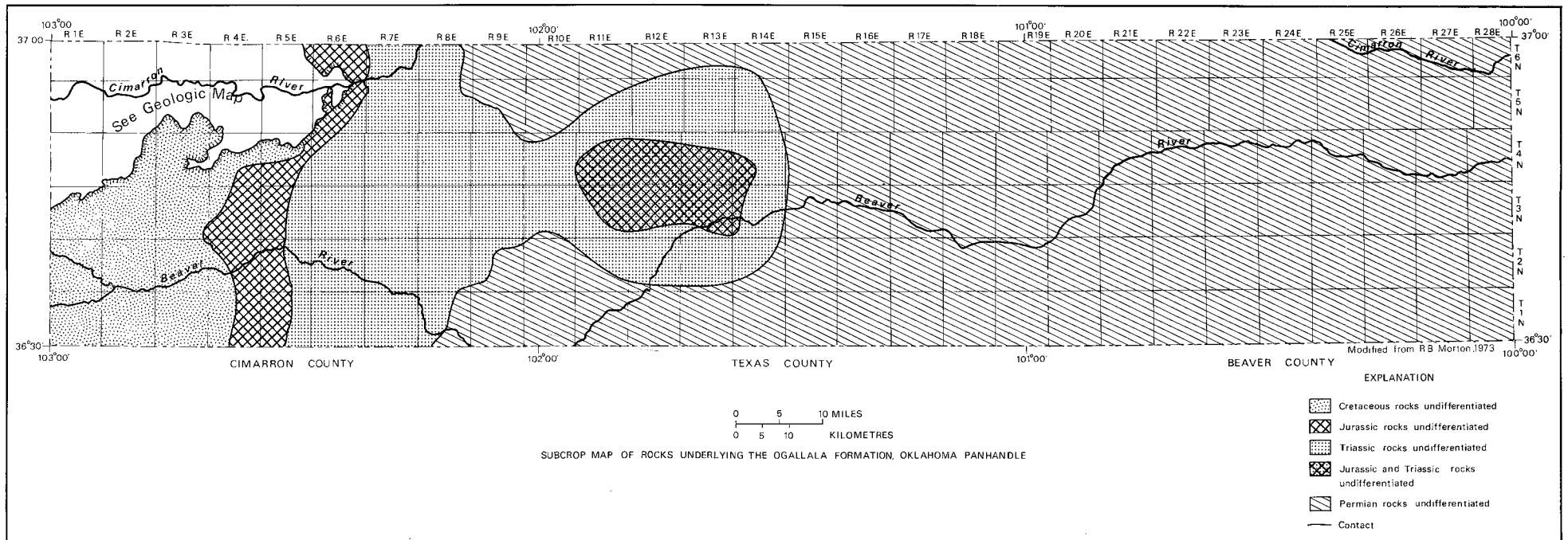
Water Resources Investigation 25-75
[Ogallala Aquifer, Oklahoma Panhandle]

Department of the Interior
U.S. Geological Survey

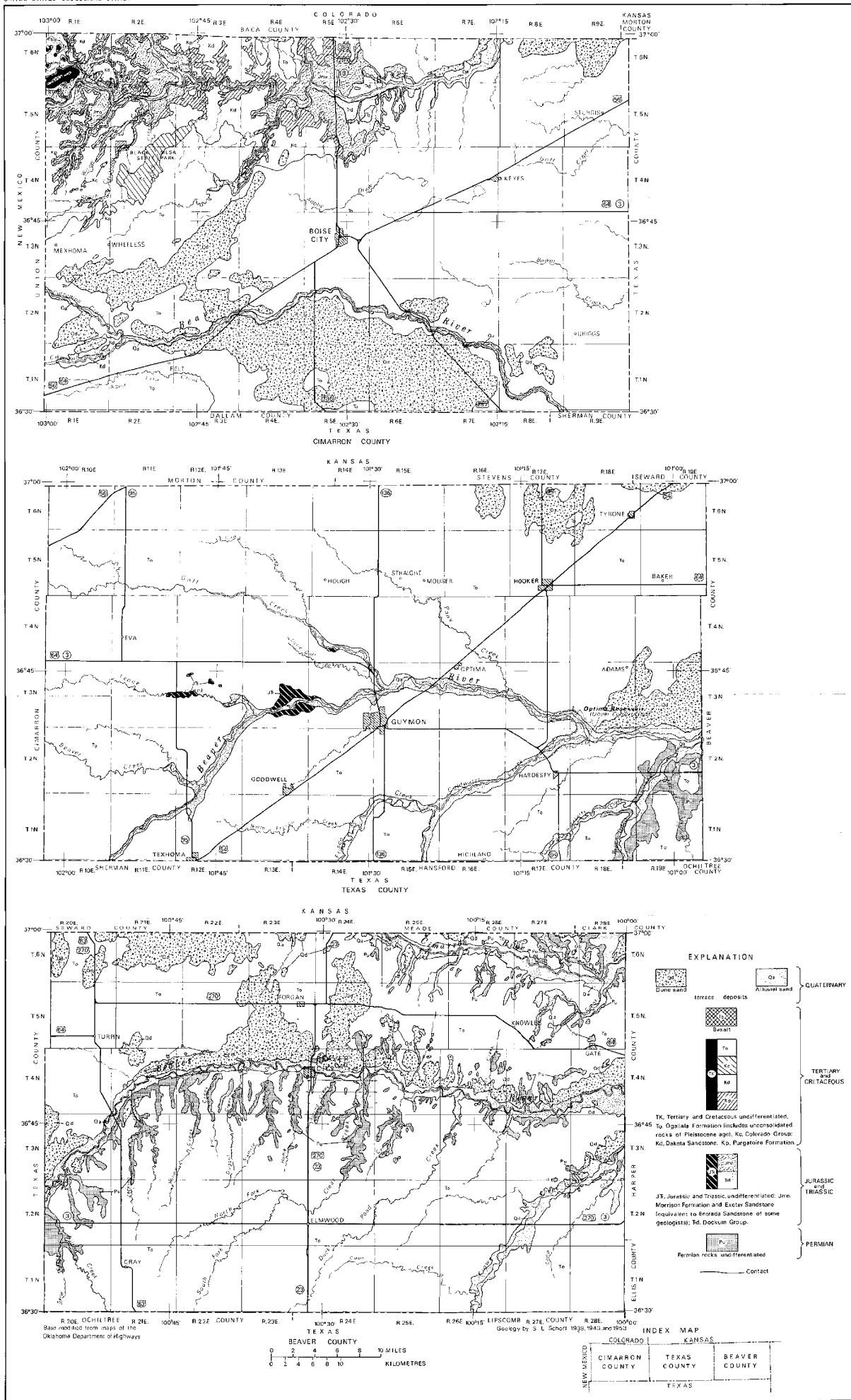
Prepared in cooperation with the
Oklahoma Water Resources Board

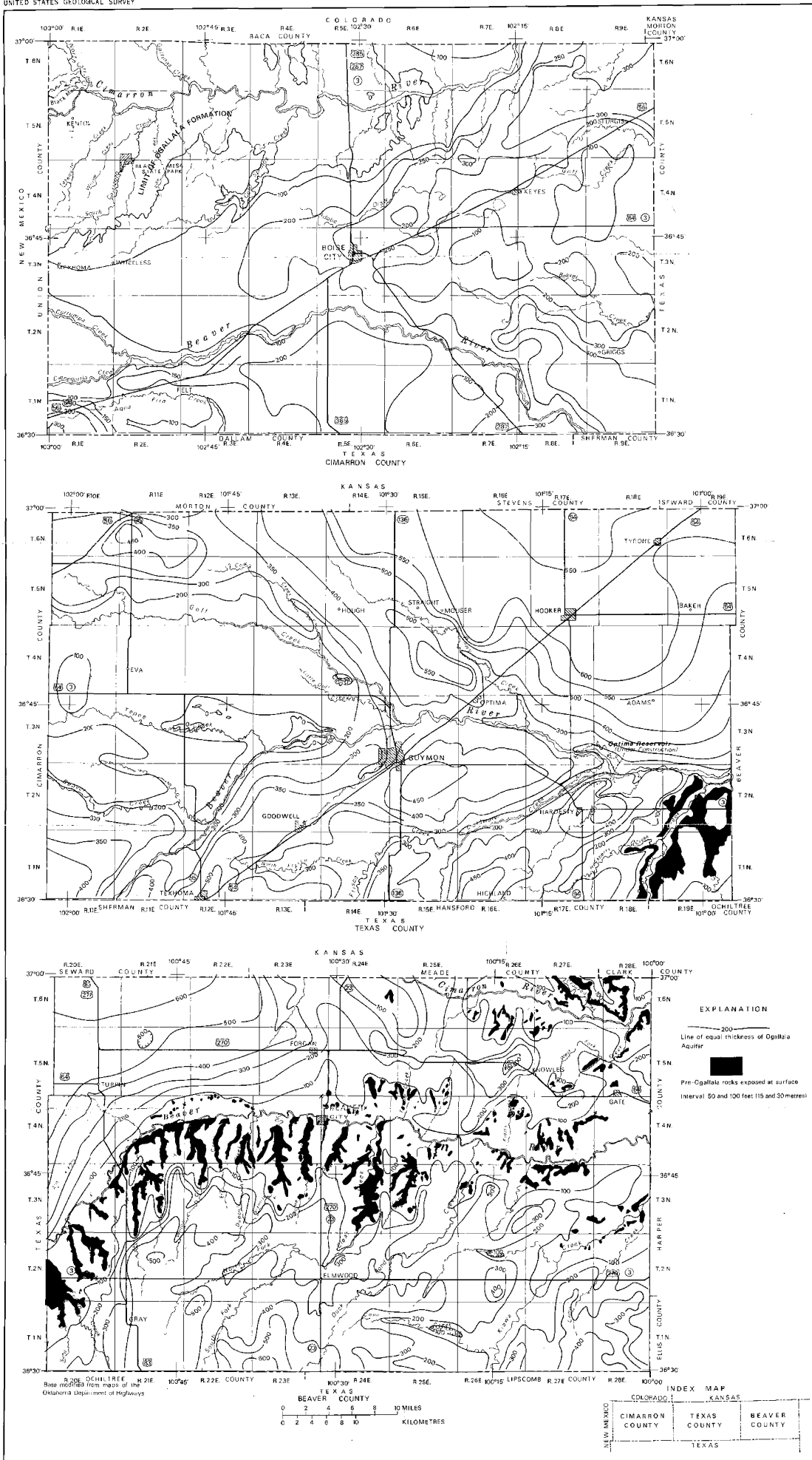
1973

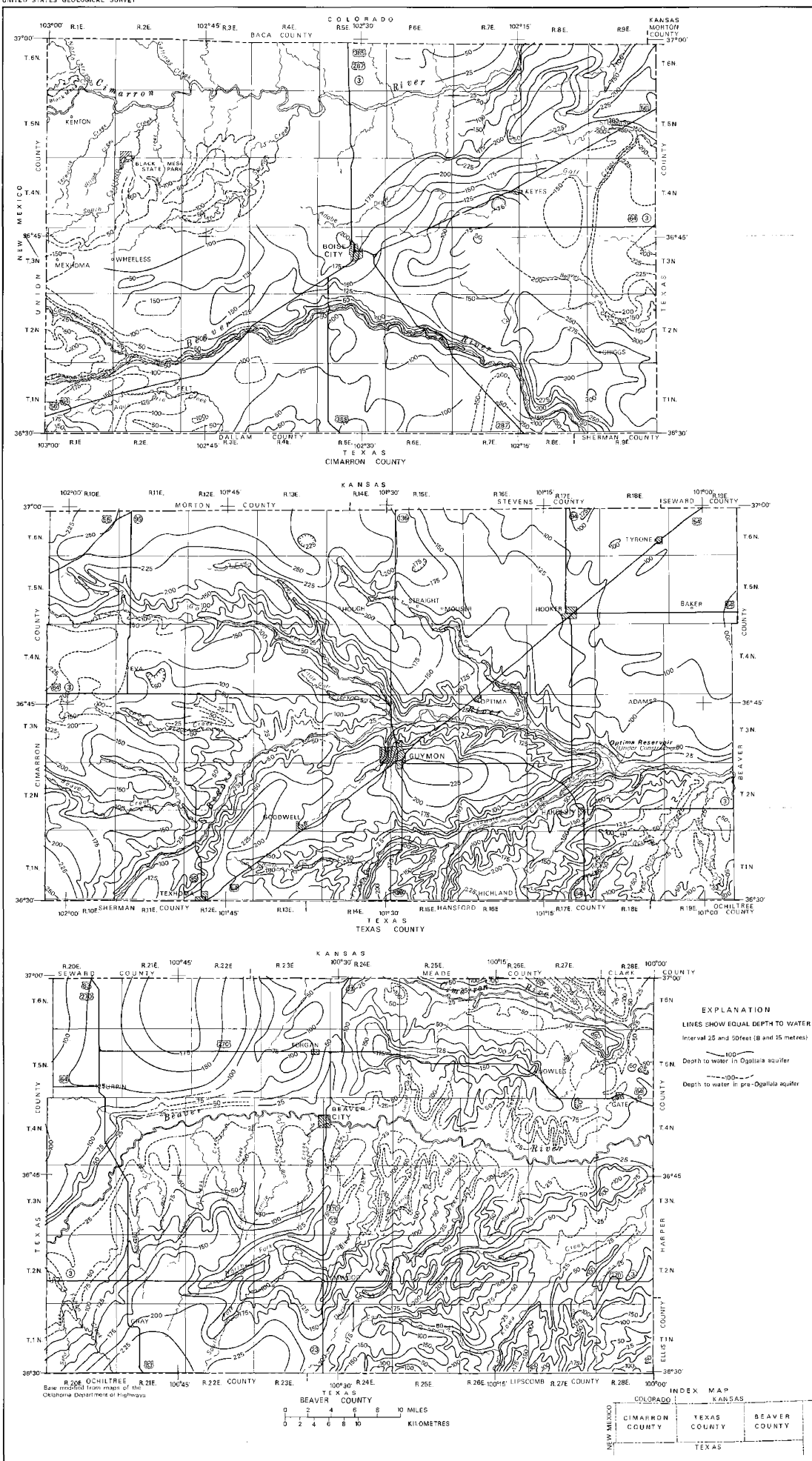


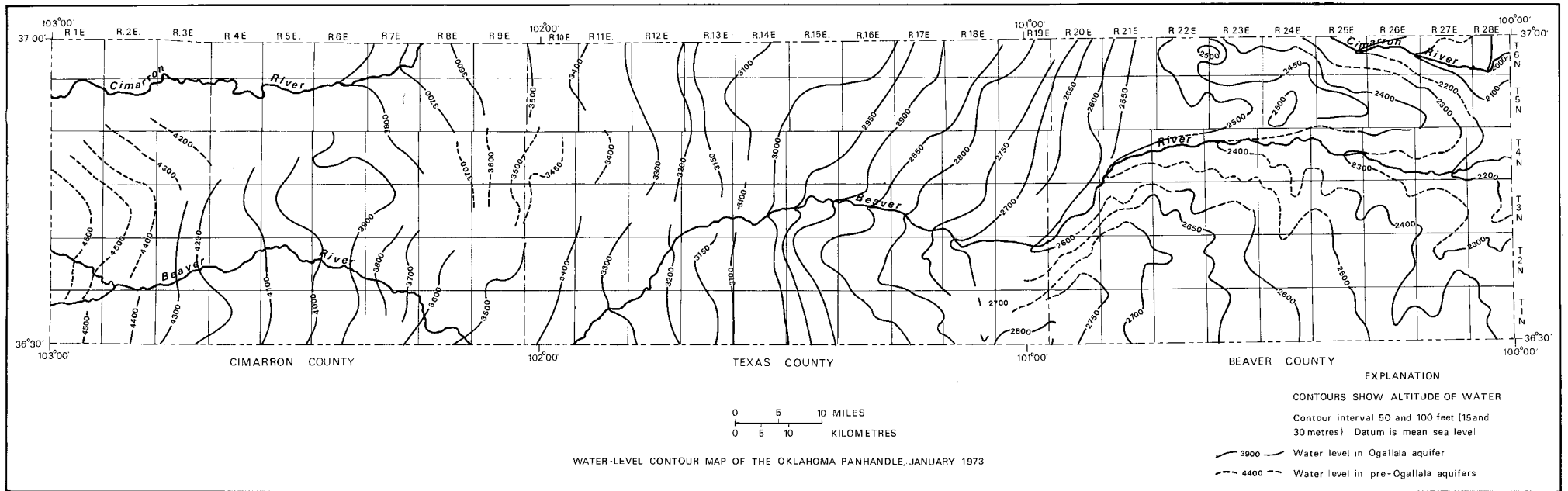


SUBCROP MAP OF ROCKS UNDERLYING THE OGALLALA FORMATION, OKLAHOMA PANHANDLE

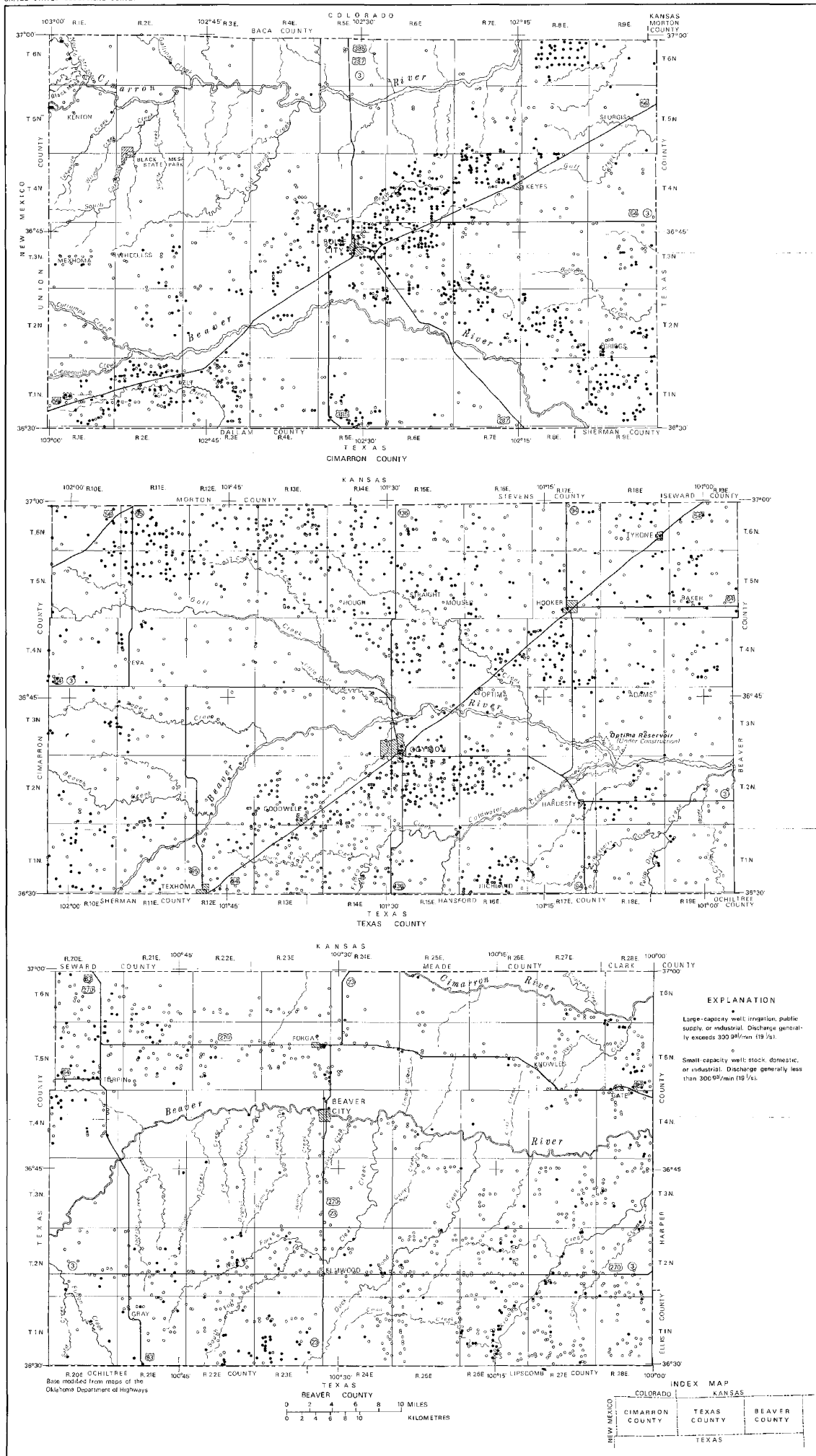


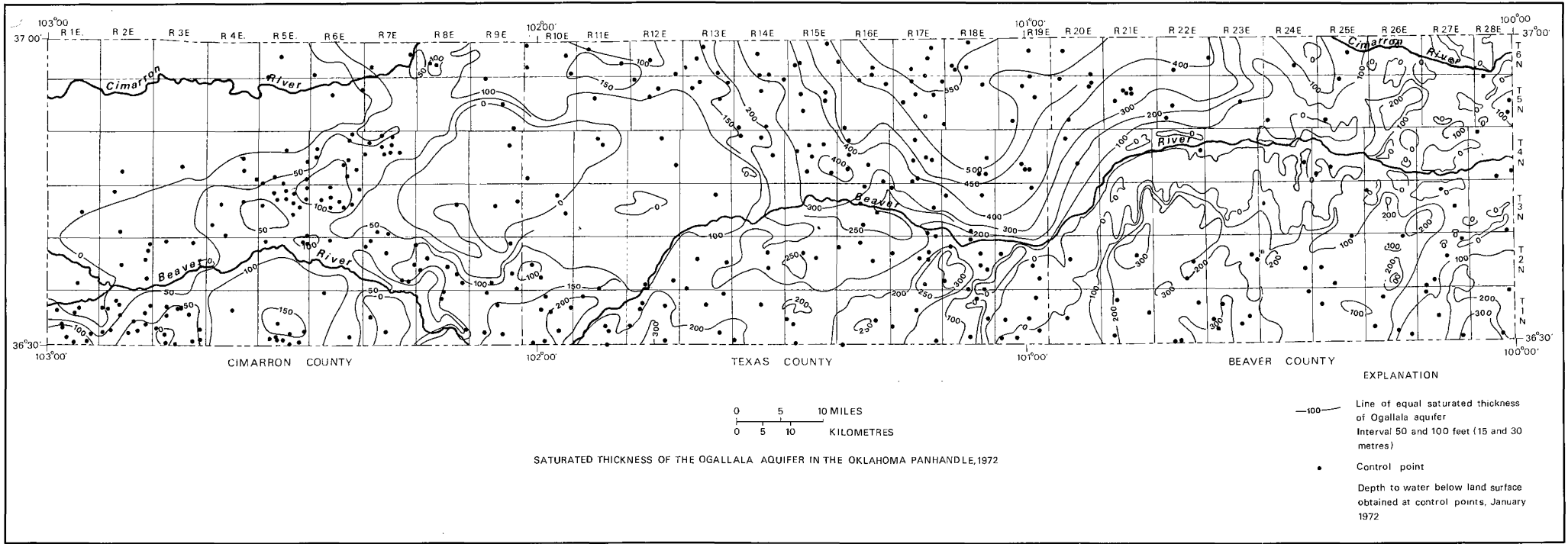


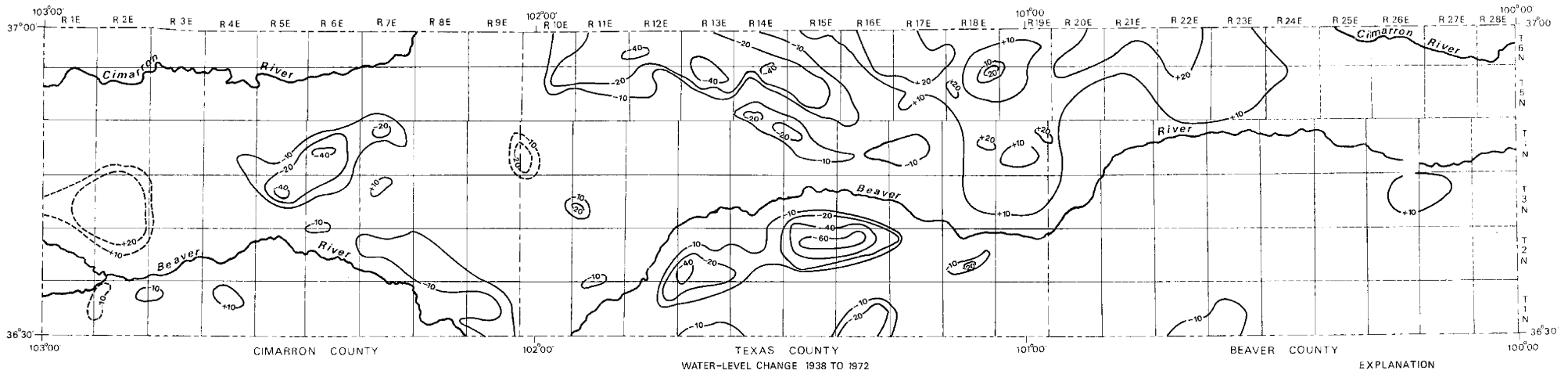
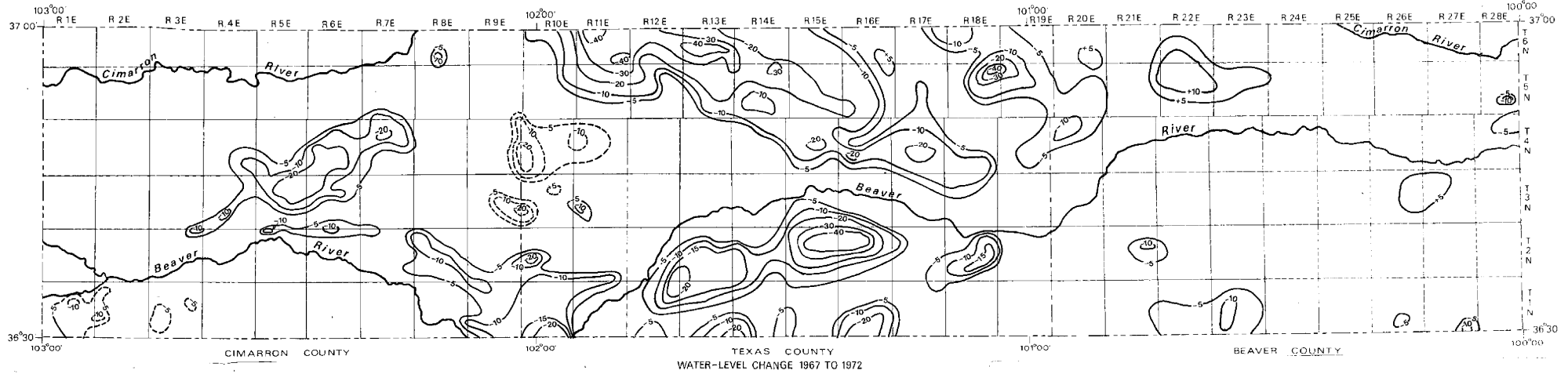




WATER-LEVEL CONTOUR MAP OF THE OKLAHOMA PANHANDLE, JANUARY 1973







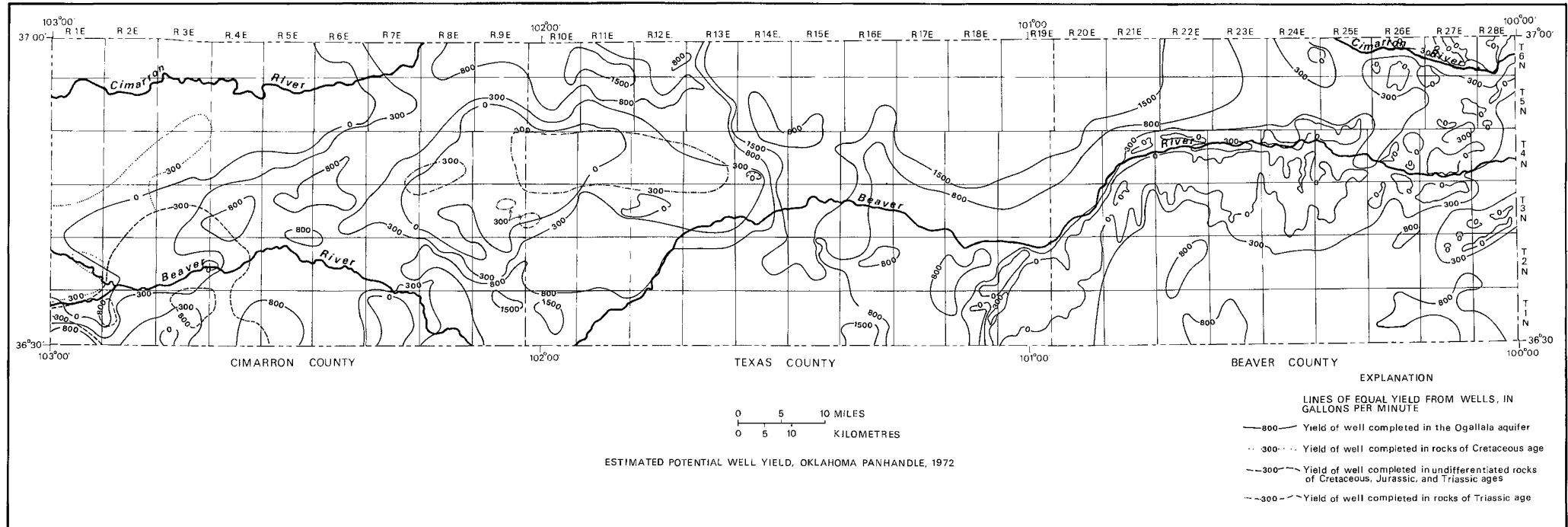
0 5 10 MILES
0 5 10 KILOMETRES

WATER-LEVEL CHANGES IN THE OKLAHOMA PANHANDLE

EXPLANATION

LINES SHOW EQUAL CHANGE IN WATER LEVEL, IN FEET
Intervals 5, 10, and 20 feet (1.5, 3, and 6 metres)

- 10- Water-level change in Ogallala aquifer
- 5- Water-level change in pre-Ogallala aquifers



ESTIMATED POTENTIAL WELL YIELD, OKLAHOMA PANHANDLE, 1972

- EXPLANATION
- 800 — Yield of well completed in the Ogallala aquifer
 - ... 300 ... Yield of well completed in rocks of Cretaceous age
 - - - 300 - - - Yield of well completed in undifferentiated rocks of Cretaceous, Jurassic, and Triassic ages
 - · - 300 - · - Yield of well completed in rocks of Triassic age