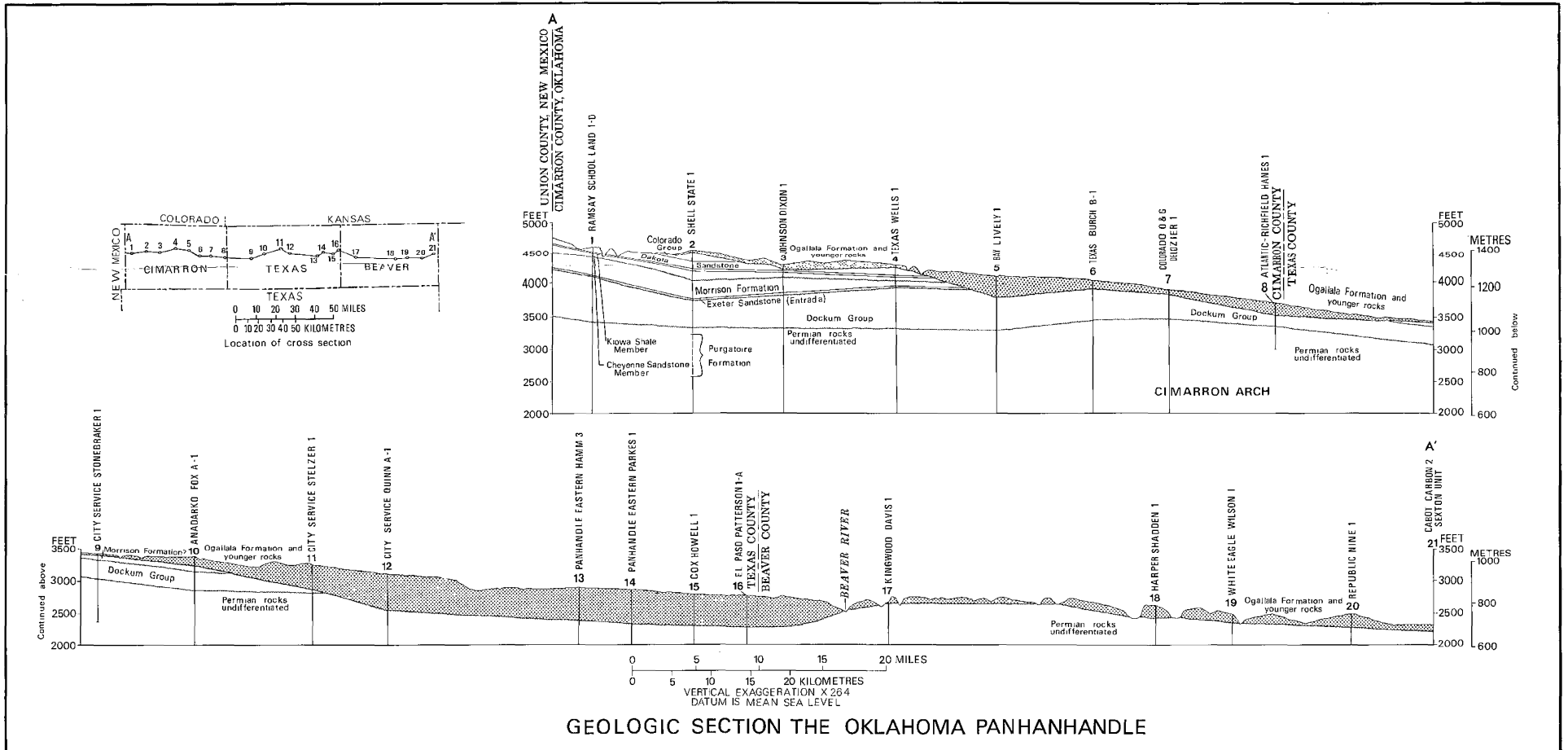


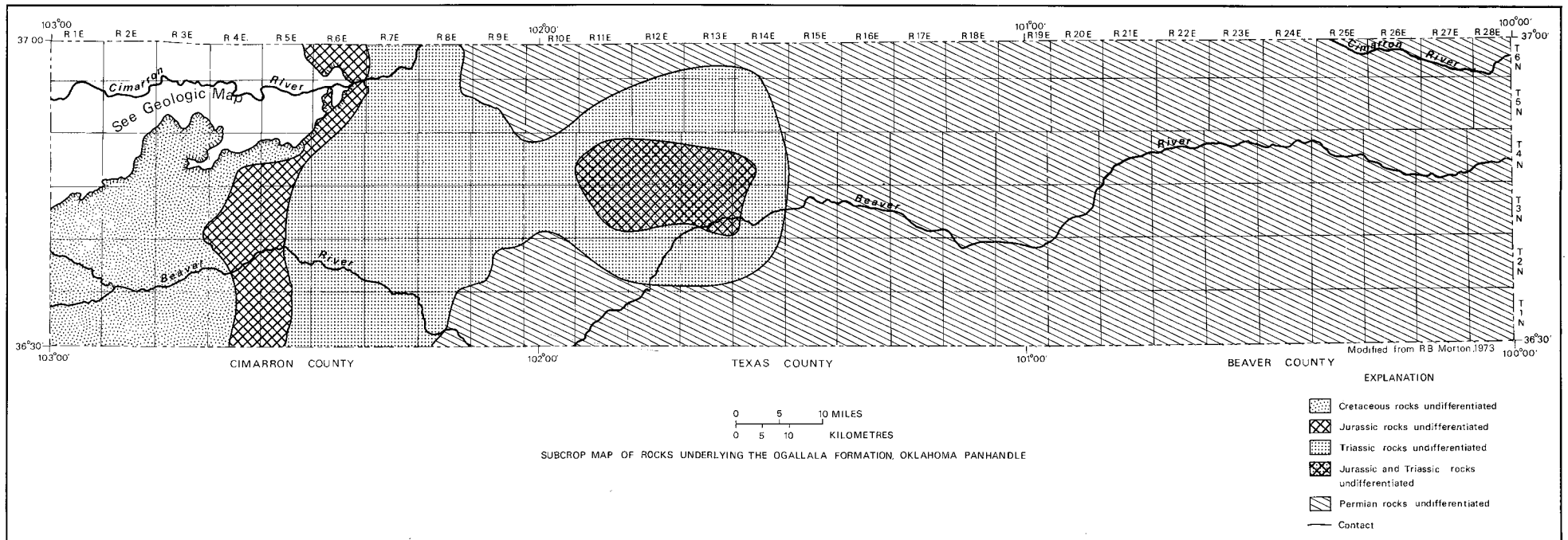
Water Resources Investigation 25-75
[Ogallala Aquifer, Oklahoma Panhandle]

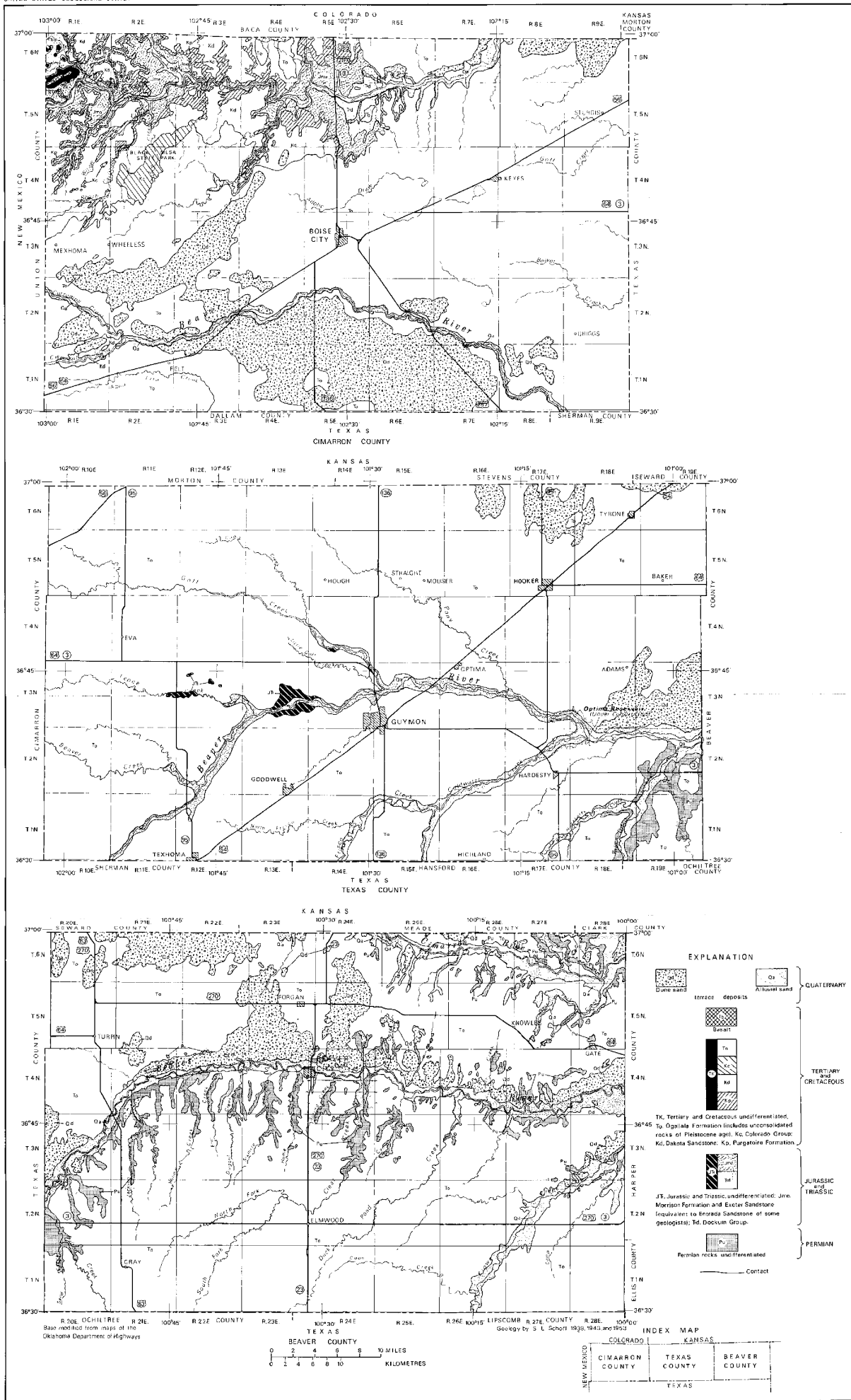
Department of the Interior
U.S. Geological Survey

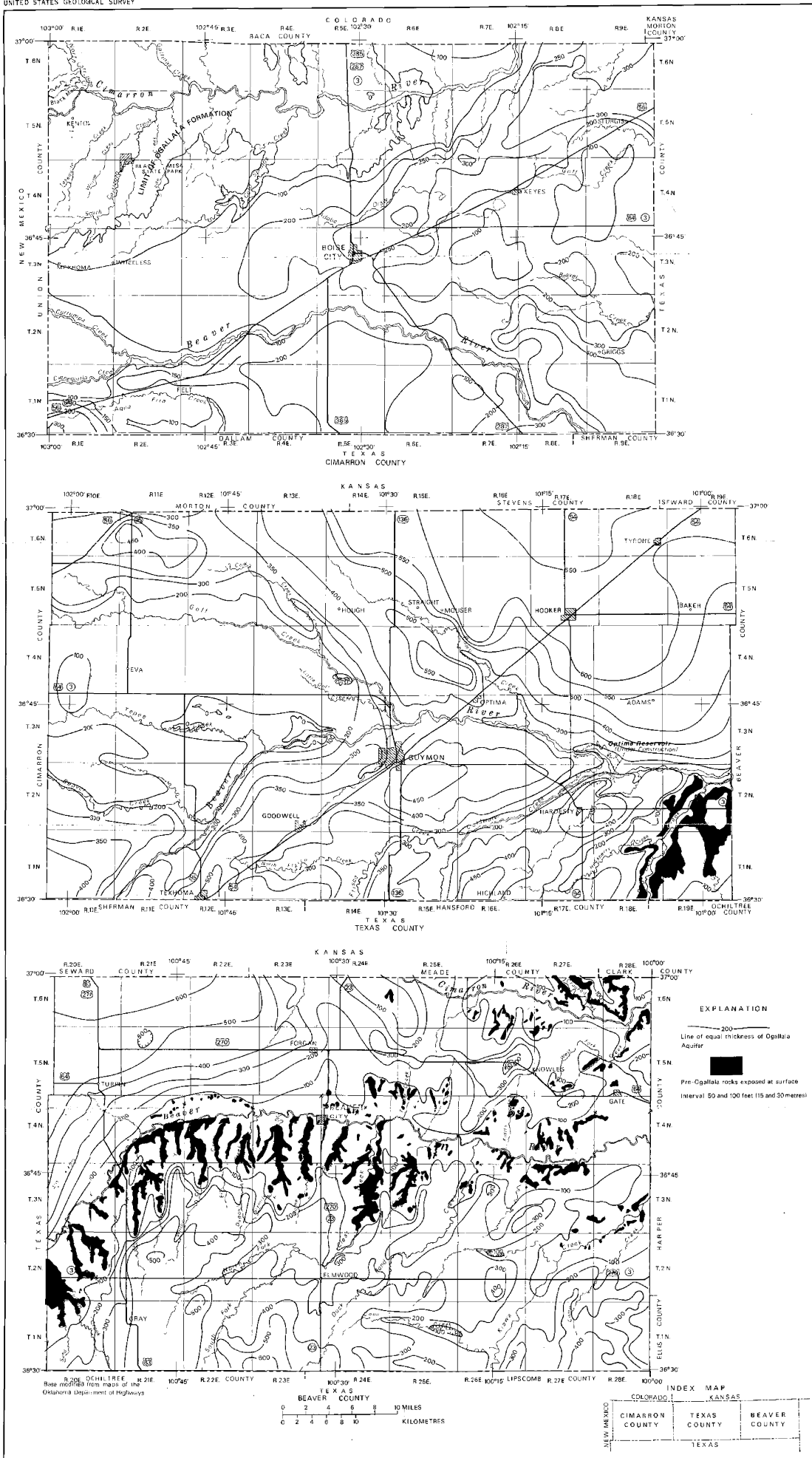
Prepared in cooperation with the
Oklahoma Water Resources Board

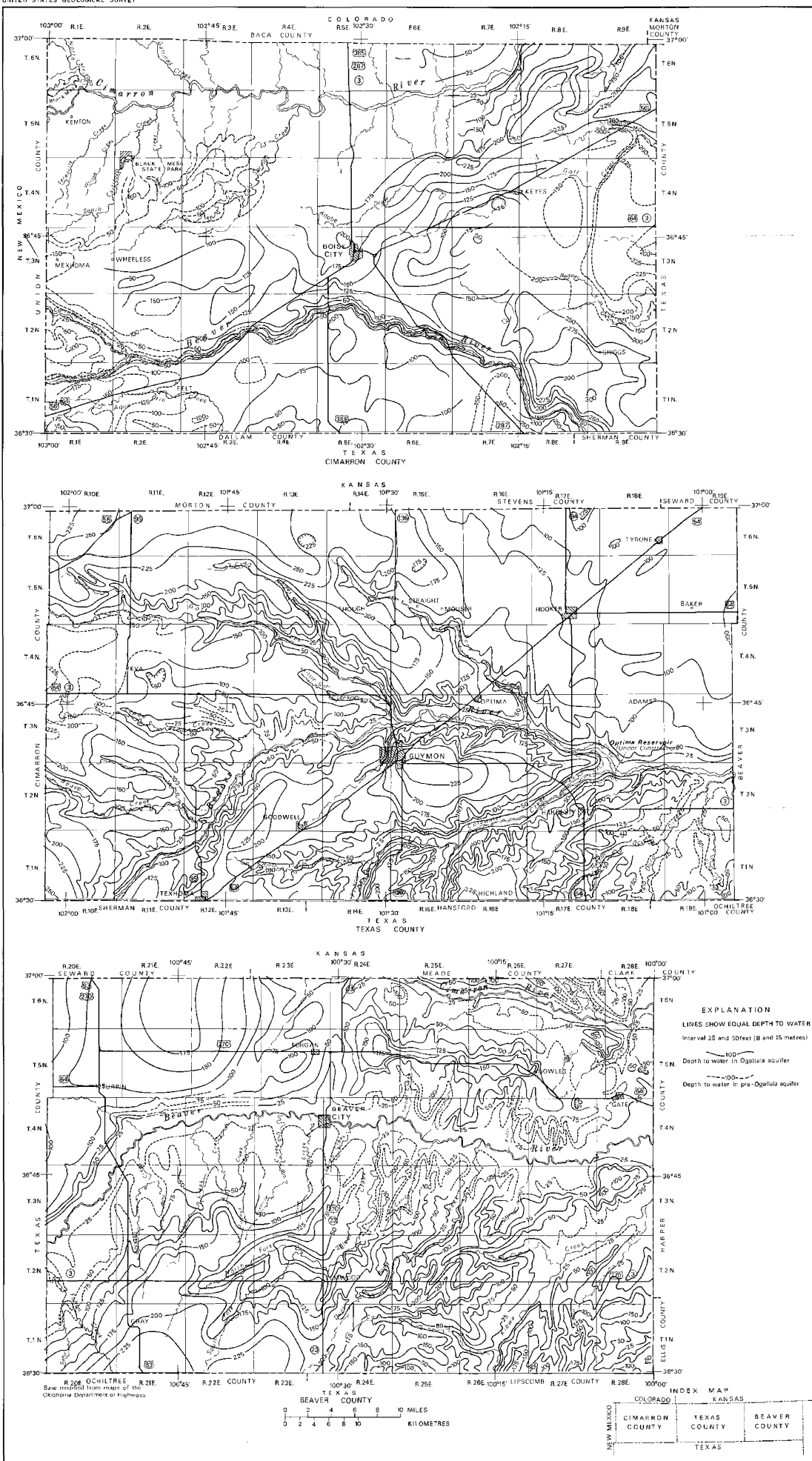
1973

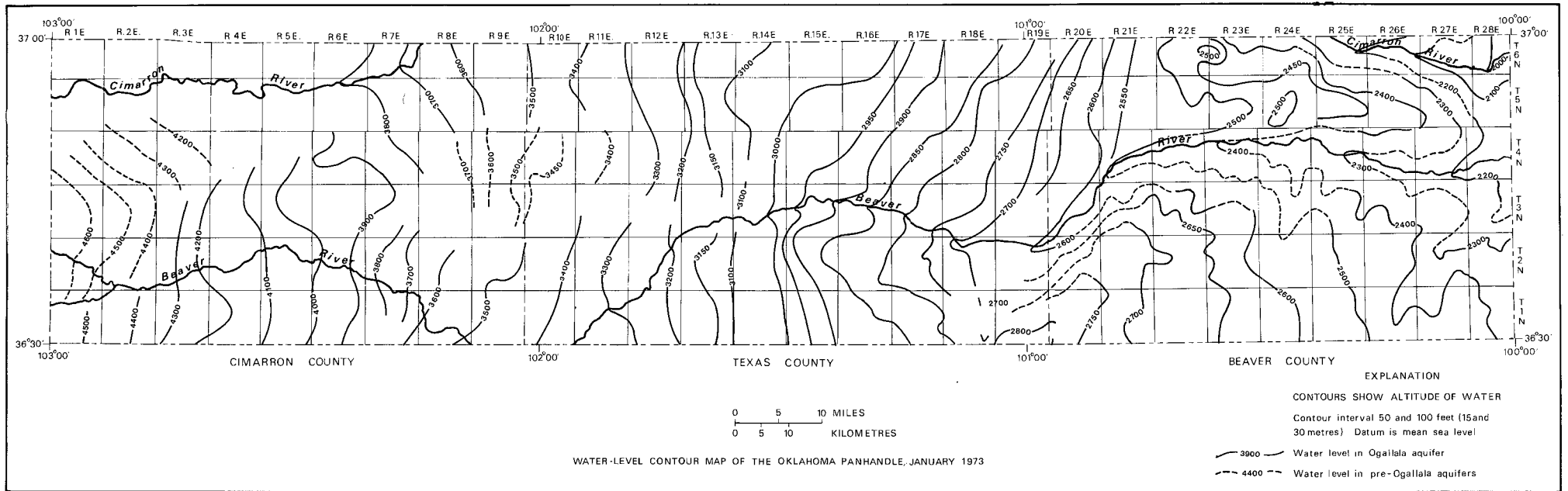




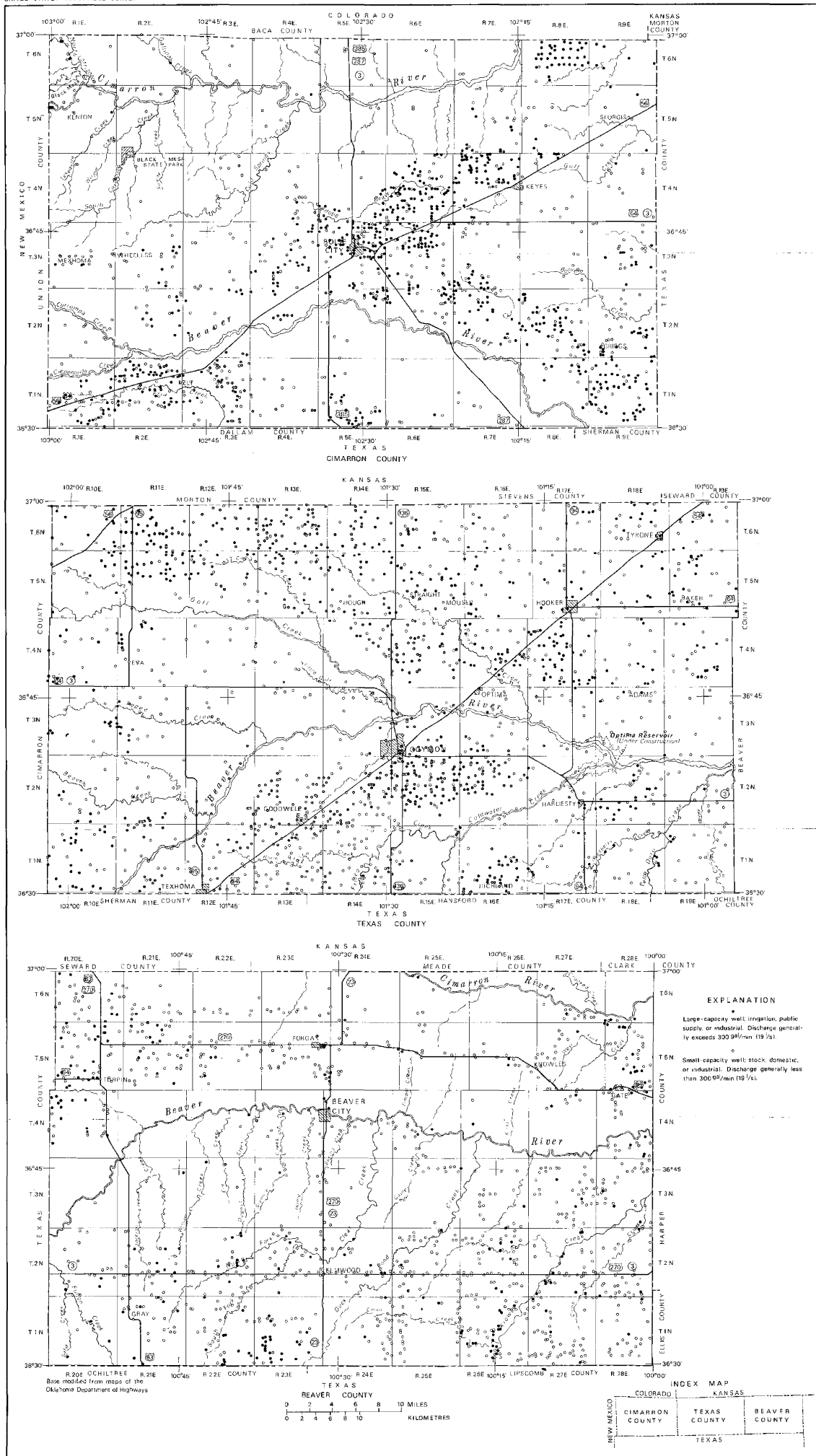






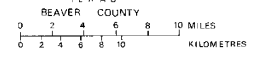
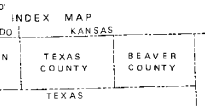


WATER-LEVEL CONTOUR MAP OF THE OKLAHOMA PANHANDLE, JANUARY 1973

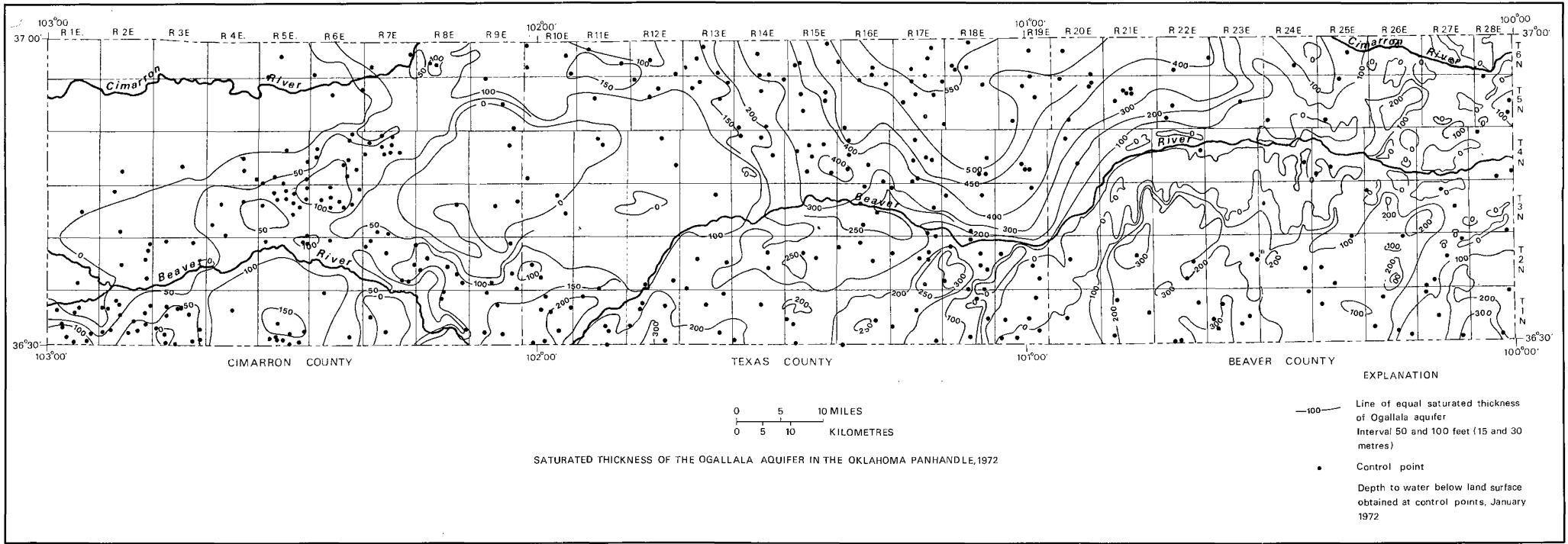


EXPLANATION

- Large-capacity well; irrigation, public supply, or industrial. Discharge generally exceeds 300 gpm (19 l/s).
- Small-capacity well; stock, domestic, or industrial. Discharge generally less than 300 gpm (19 l/s).



R.20E OCHILTREE R.21E
Base modified from maps of the
Oklahoma Department of Highways



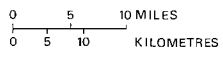
CIMARRON COUNTY

TEXAS COUNTY

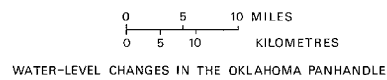
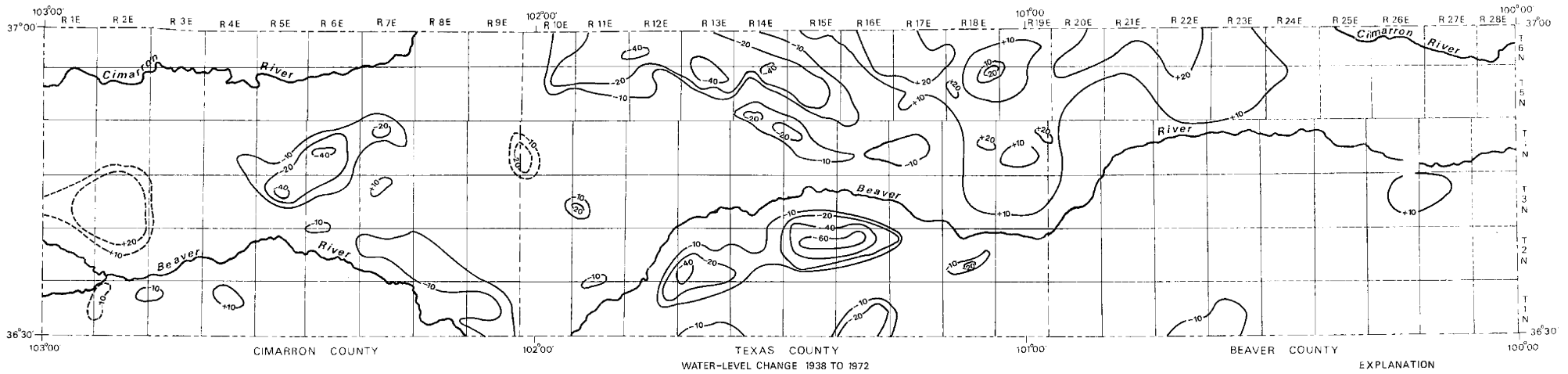
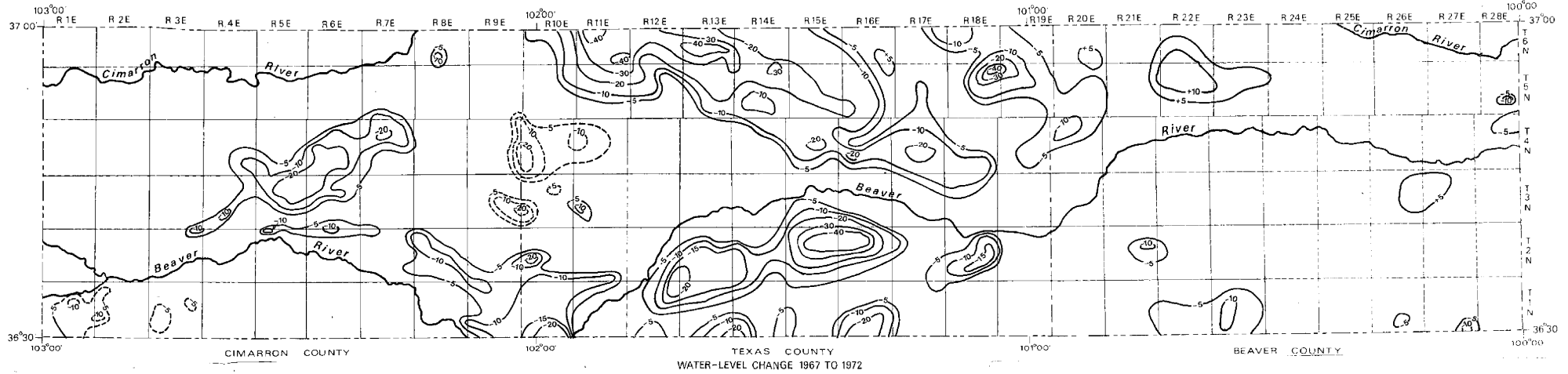
BEAVER COUNTY

EXPLANATION

- 100— Line of equal saturated thickness of Ogallala aquifer
 Interval 50 and 100 feet (15 and 30 metres)
- Control point
 Depth to water below land surface obtained at control points, January 1972



SATURATED THICKNESS OF THE OGALLALA AQUIFER IN THE OKLAHOMA PANHANDLE, 1972

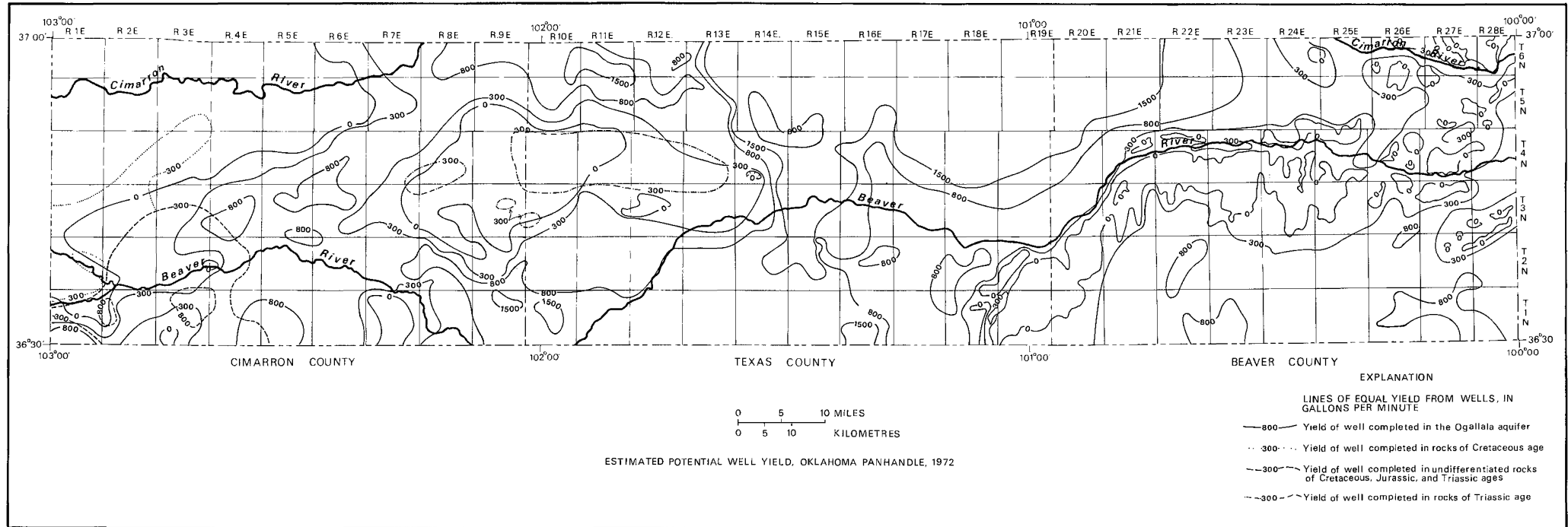


EXPLANATION

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

WATER-LEVEL CHANGES IN THE OKLAHOMA PANHANDLE



ESTIMATED POTENTIAL WELL YIELD, OKLAHOMA PANHANDLE, 1972