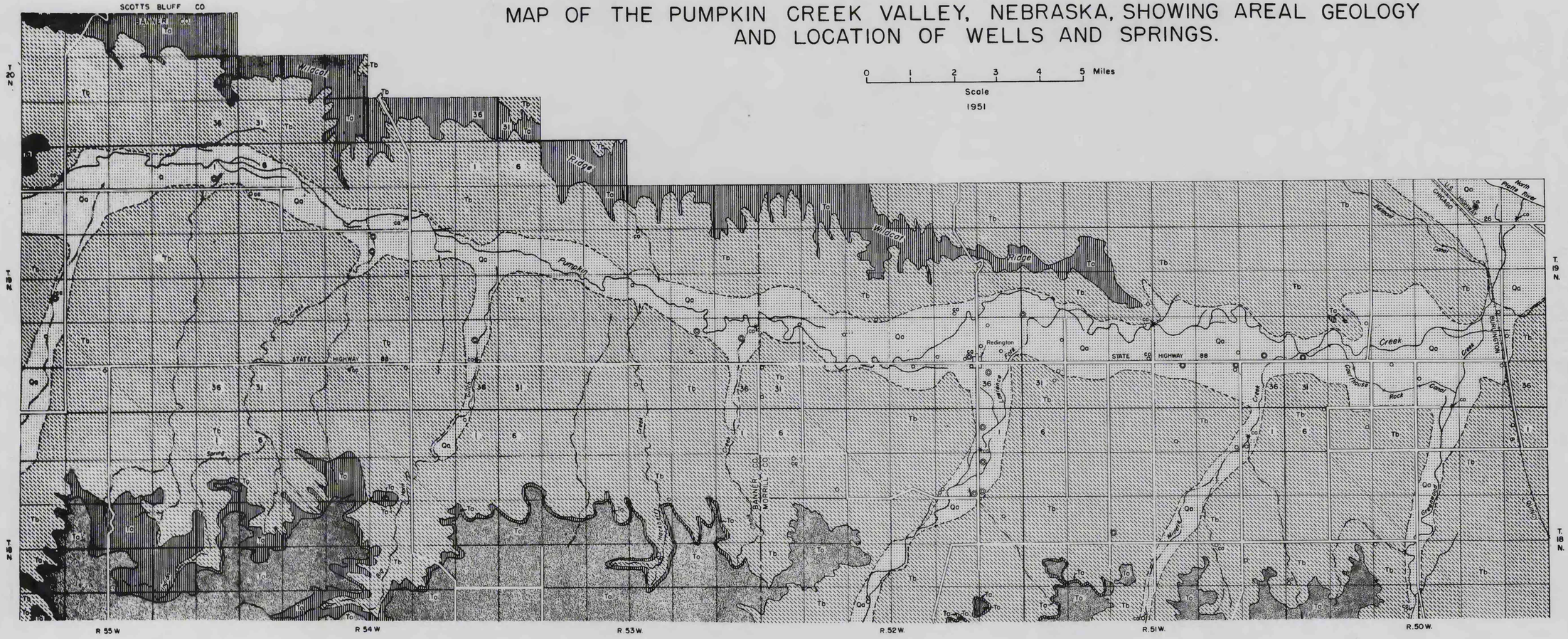
MAP OF THE PUMPKIN CREEK VALLEY, NEBRASKA, SHOWING AREAL GEOLOGY AND LOCATION OF WELLS AND SPRINGS.



EXPLANATION

Quaternary

Pleistocene and Recent

Qa — Alluvium
Silt, sand, and gravel. Yields large quantities of water to domestic, stock, and irrigation wells.

Tertiary

Pliocene

To — Ogallala formation
Sand, gravel, and poorly to moderately cemented sandstone. Yields moderate quantities of water to domestic and stock wells in the upland areas.

Miocene

Tc — Arikaree sandstone
Silt, sand, and soft sandstone. Yields moderate quantities of water to wells in the upland areas.

Oligocene

Tb — Brule formation
Siltstone. Yields small to moderately large quantities of water to domestic, stock, and irrigation wells. Water occurs in open fractures.

- Domestic or stock well
- Flowing well
- Irrigation well
- Oil test
- Spring
- CO — Sampled for chemical analysis
- *CO — Stream sampled for chemical analysis