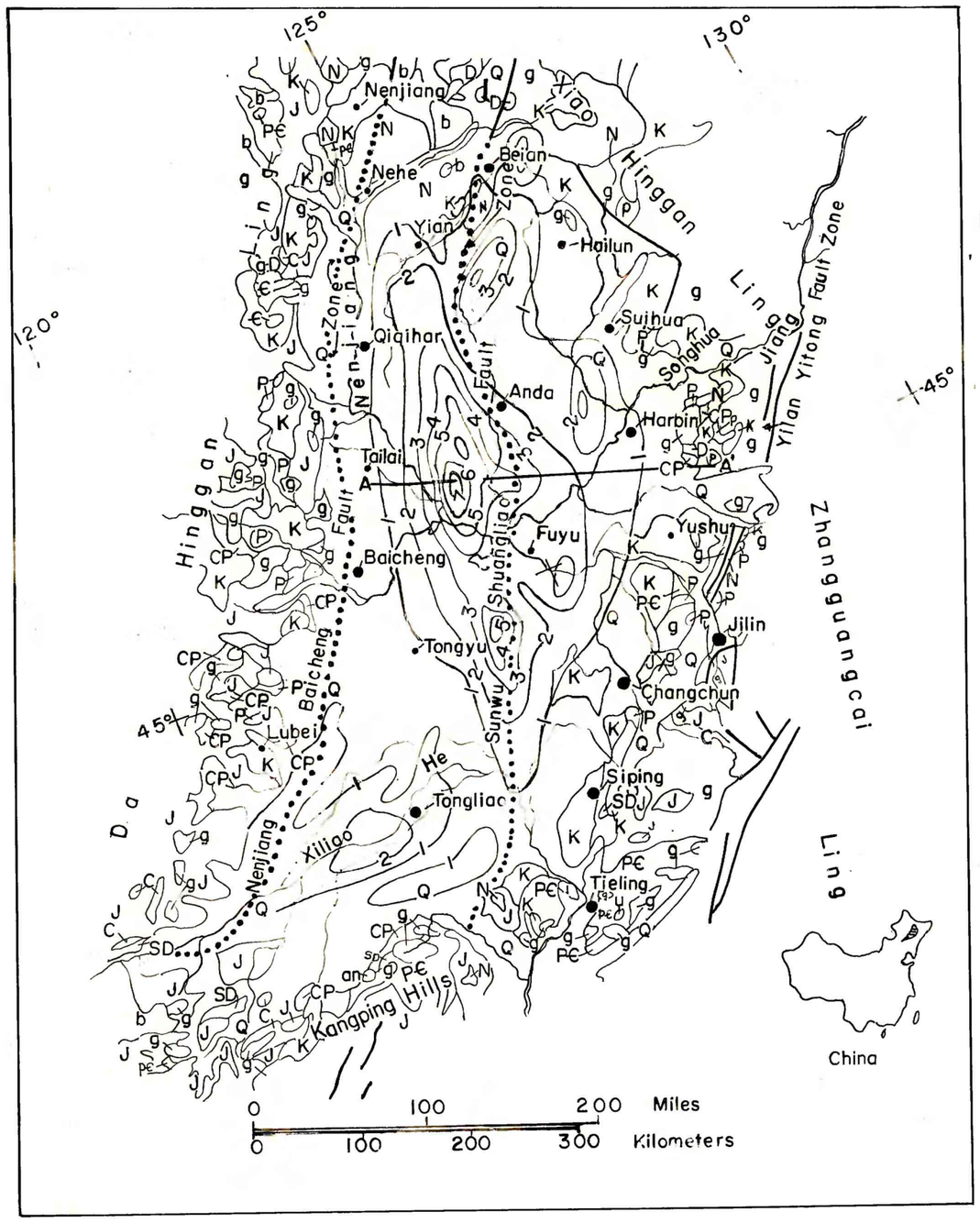

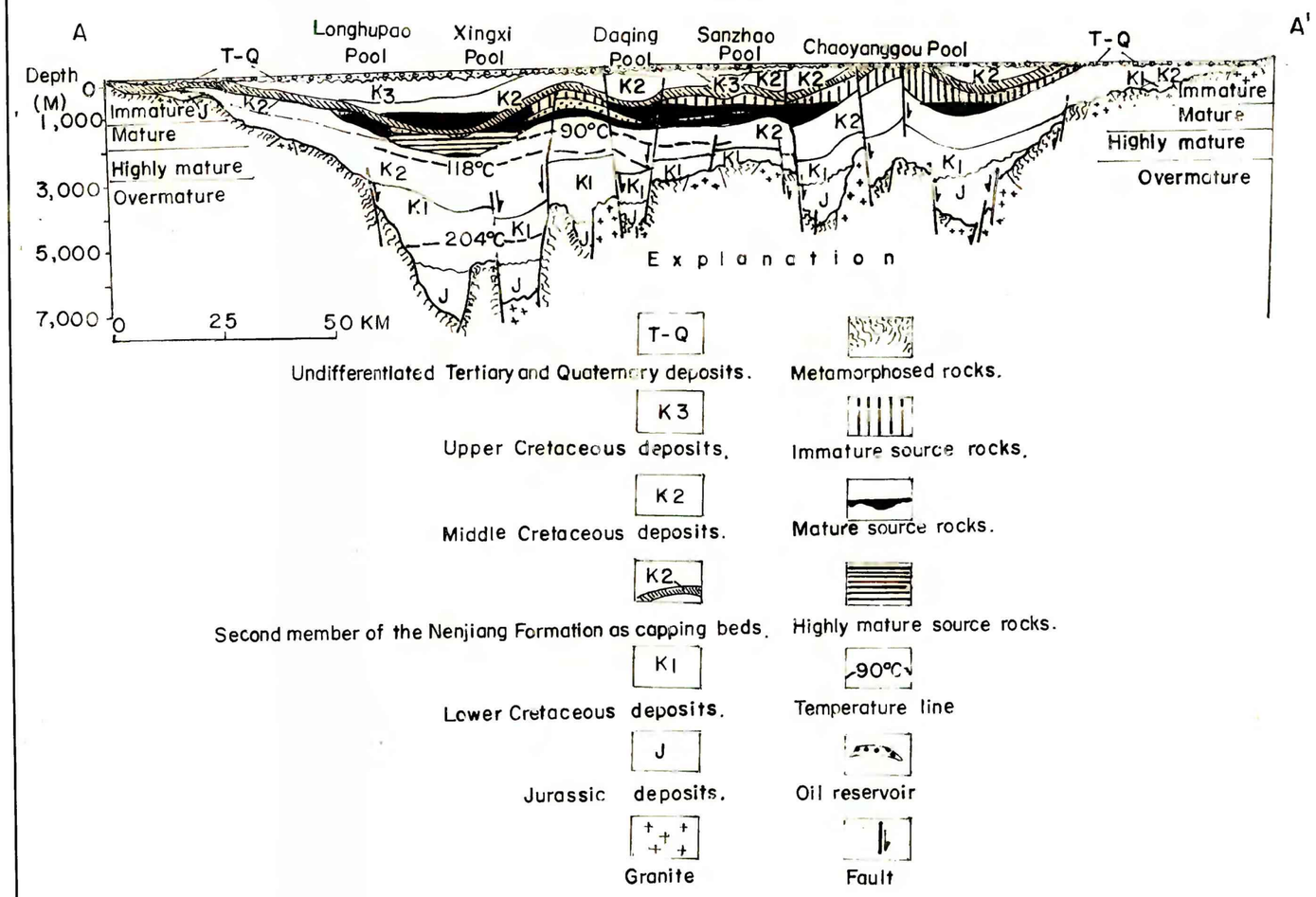

Cross section showing petroleum generation in principal part of the Central Depression in the Songliao basin (modified after Yang, Li, and Gao, 1985; Fig. 7, p. 1120).

Figure 2. Geologic map and cross section of the Songliao basin, Northeast China.

Explanation

Cenozoic

- **Q** — Quaternary alluvial, lacustrine, eolian, and glacial deposits.
- **N** — Upper Tertiary fluvial and lacustrine deposits with lignite beds.

Mesozoic

- **K** — Undifferentiated Cretaceous continental deposits.
- **J** — Undifferentiated Jurassic continental deposits with coal beds.

Paleozoic

- **P** — Permian marine deposits.
- **C** — Carboniferous marine deposits.
- **CP** — Undifferentiated Carboniferous and Permian deposits.
- **D** — Devonian marine deposits.
- **SD** — Undifferentiated Silurian and Devonian strata.
- **Є** — Cambrian marine deposits.

Precambrian

- **PЄ** — Undifferentiated metamorphic rocks.

- **4** — Isopach of the Mesozoic and Cenozoic strata in kilometers (Zhang, 1983).
- **g** — Granitic rocks.
- **u** — Basic to ultrabasic rocks
- **b** — Basaltic rocks.
- **an** — Andesitic rocks.
- Faults
- **A—A'** — Location of the cross section.

Geologic map of the Songliao basin, Northeast China (modified after the Chinese Academy of Geological Sciences, 1975, Geologic Map of Asia; 1:5,000,000).