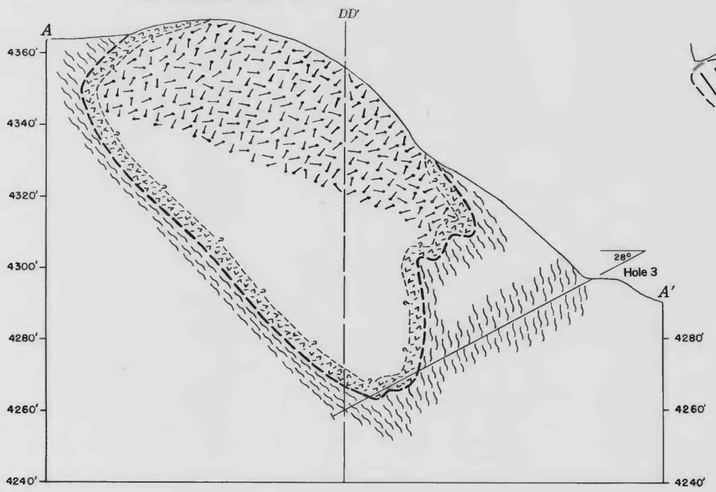

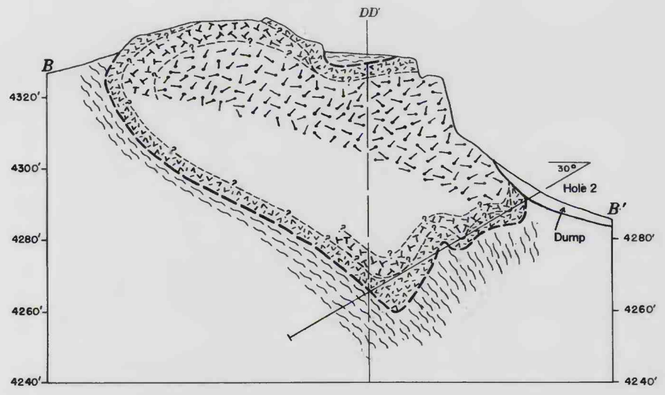

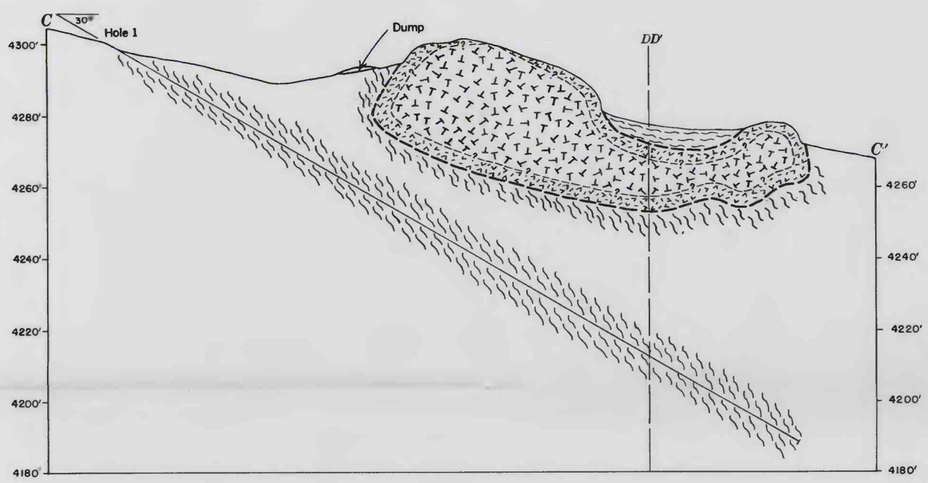

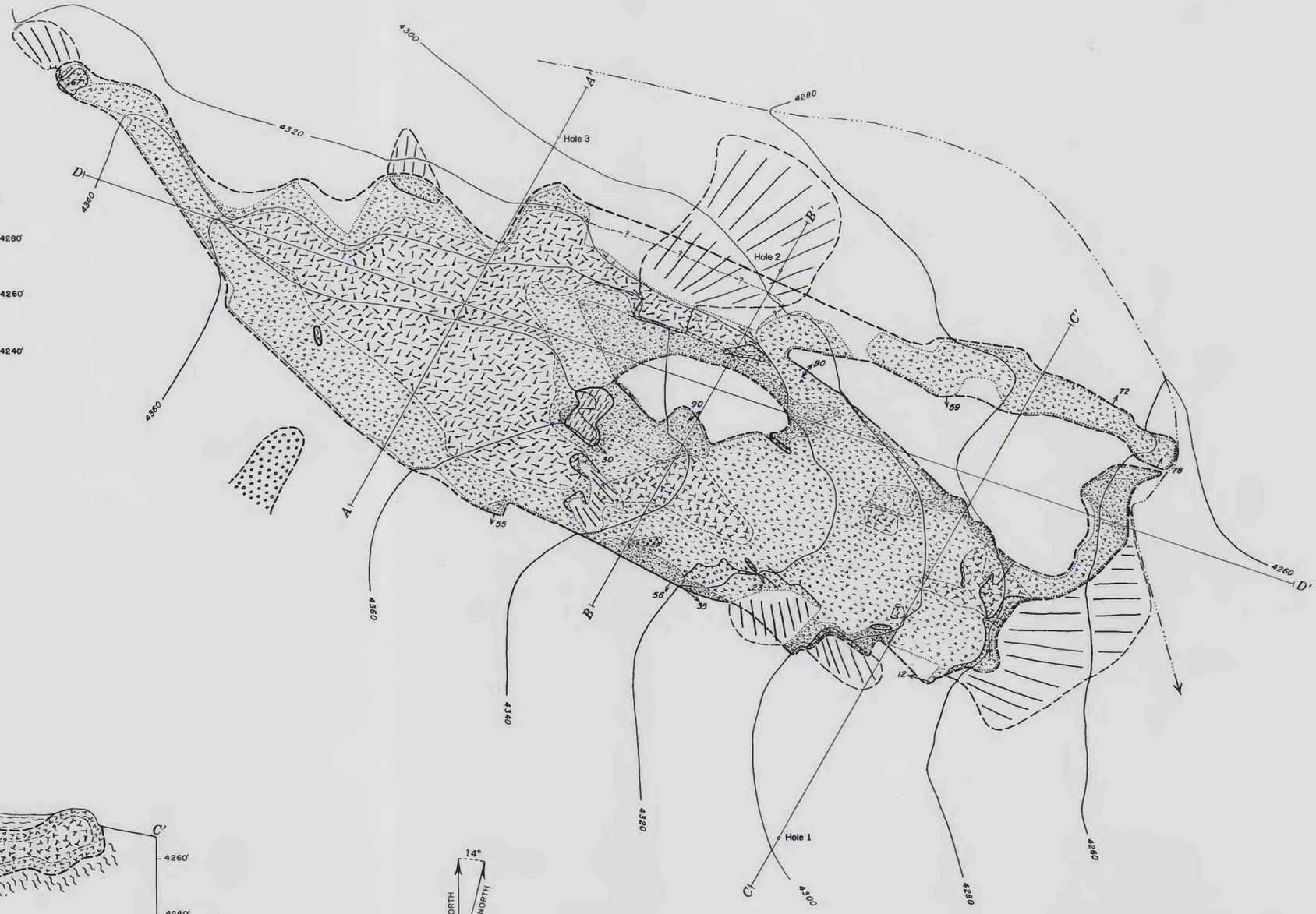

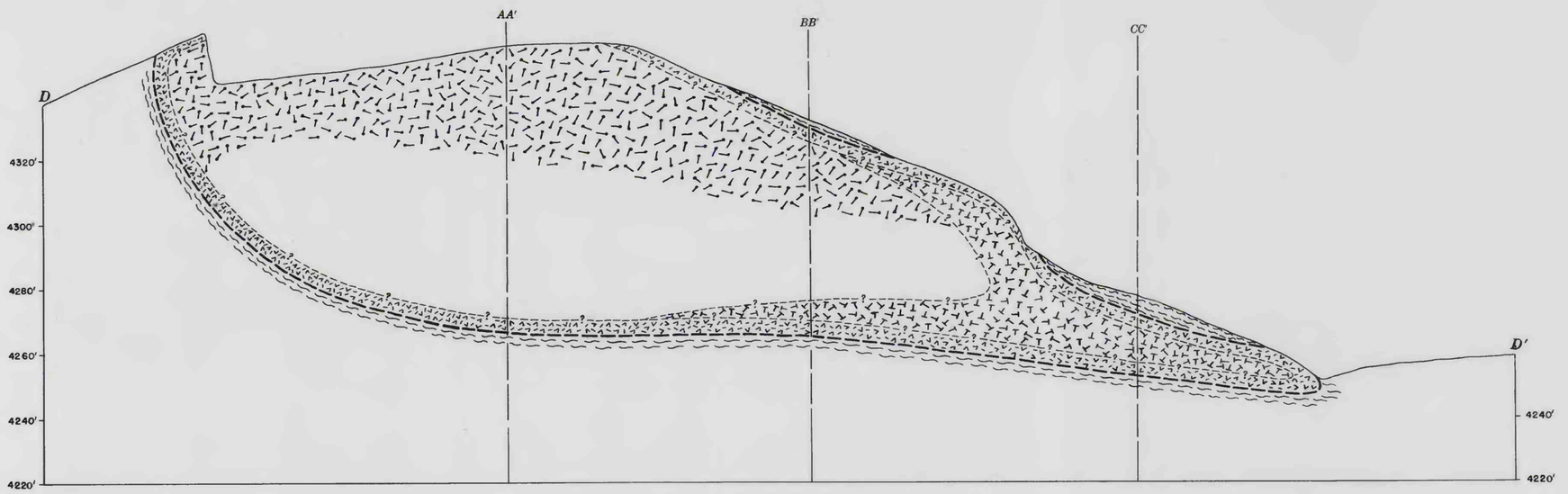

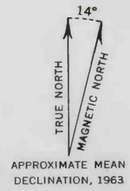

EXPLANATION

- Gravel
- Quartz pegmatite
- Perthite-quartz pegmatite
- Perthite-quartz-albite pegmatite
- Quartz-albite-muscovite pegmatite
  Wall zone
- Albite-quartz-muscovite pegmatite
  Border zone (shown only on dip slopes)
- Quartz-mica schist
- Limit of outcrop
- 55 — Contact, showing dip
  Dashed where approximate
- 90 — Vertical pegmatite contact
- ? – ? – Contact between pegmatite units
  Question marks where approximate
- 23 — Plunge of roll in pegmatite contact
- Border of pit
- Dump

Holes 1, 2 and 3 are U.S. Bureau of Mines diamond-drill holes

Geology and topography by R. E. Roadifer and J. E. Roadifer, 1953
Geologic sections by R. E. Roadifer, 1954 and J. J. Norton, 1959

GEOLOGIC MAP AND SECTIONS OF THE EUREKA PEGMATITE, PENNINGTON COUNTY, SOUTH DAKOTA

20 0 20 40 60 80 FEET
CONTOUR INTERVAL 20 FEET
DATUM IS APPROXIMATE MEAN SEA LEVEL

690-421 O - 64 (In pocket) No. 26.