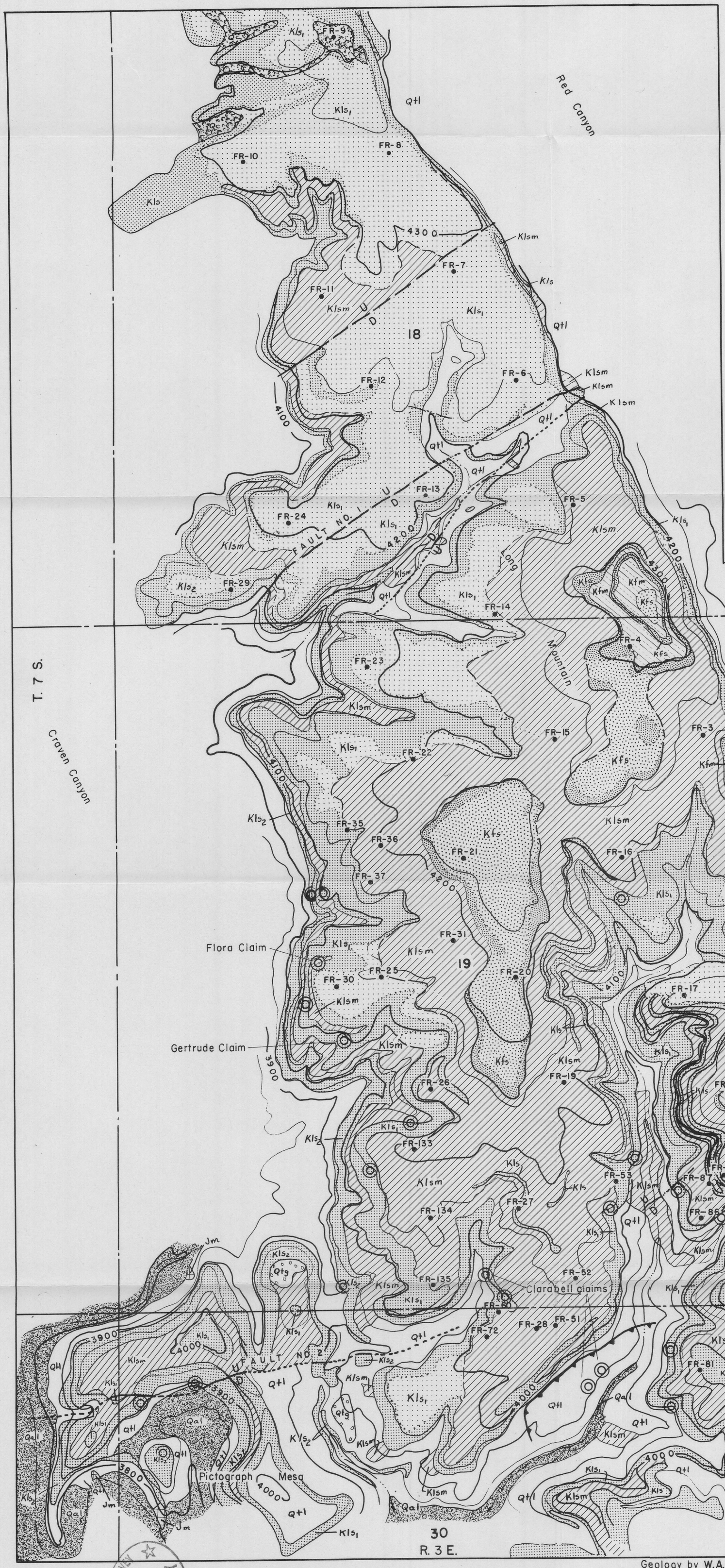
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TRACE ELEMENTS INVESTIGATIONS REPORT 425



EXPLANATION

- Qc — Colluvium
- Qal — Alluvium
- Qtl — Talus and landslide
- Qtg — Terrace gravel

QUATERNARY

Lithologic units

	Areas of good exposure	Areas of poor exposure
Fall River sandstone	Kfrs	Kfrs
Fuson formation	Kfs — Sandstone	Kfs — Sandstone
Fuson formation	Kfm — Mudstone	
Lakota sandstone	Kls Kls1 Kls2	Kls Kls1 Kls2

Kls — Sandstone, undifferentiated
Kls1 — Upper uraniferous sandstone
Kls2 — Lower uraniferous sandstone

- Klsm — Interbedded sandstone and mudstone
- Jm — Morrison formation

CRETACEOUS

JURASSIC

- Contact — *Dashed where approximately located*
- Limit of exposure
- Fault — *Dashed where approximately located; U, upthrown side; D, downthrown side; Dotted where concealed*
- Edge of landslide
- Carnotite deposit
- FR-10 — A.E.C Diamond drill hole

TRUE NORTH / MAGNETIC NORTH — 14°

Geology by W.A. Braddock, G.B. Gott, D.E. Engstrom, and Henry Bell III, 1953

FIGURE 1.- GEOLOGIC MAP OF PART OF LONG MOUNTAIN, FALL RIVER COUNTY, SOUTH DAKOTA.

0 600 1200 1800 2400 FEET

Contour interval 50 feet
Datum is mean sea level

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