UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Advance Sheet
Subject to correction
To be published at 1:62 500 scale

MT. ELLEN 3 SW, UTAH
GARFIELD CO.

Mapped by Pacific Area, Geological Survey

This is an unedited copy of an original manuscript including field additions made in 1962

APPROXIMATE MEAN DECLINATION, 1962

SCALE 1:24000

CONTOUR INTERVAL 40 FEET
DASHED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

MT. ELLEN 3 SW, UTAH
GARFIELD CO.

Hanksville South Project

EXPLANATION

TERTIARY QUATERNARY

- Qal — Alluvium
- Qe — Eolian Loess and Sand
- Qc — Colluvium
- Qtg — Alluvial Terrace Gravel
- Qpg — Pediment Gravel
- Tl — Igneous Intrusions

UPPER CRETACEOUS

- Kbt — Beds on Tarantula Mesa
- Ktm — Tarantula Mesa Sandstone
  - Ktm_2 — Upper Massive Sandstone
  - Ktm_1 — Lower Massive Sandstone
- Kmm — Masuk Shale Member
  - Kmm_3 — interbedded sandstone, mudstone, and shale
  - Kmm_2 — shale with minor sandstone and mudstone
  - Kmm_1 — mudstone and discontinuous sandstone
- Kmmc — Mancos Shale
  - Muley Canyon Sandstone Member
    - $Kmmc_3$ — Upper sandstone and shale
    - $Kmmc_2$ — Carbonaceous shale and coal zone
    - $Kmmc_1$ — Lower massive sandstone and shale
- Kmbg — Blue Gate Shale Member

UNCONFORMITY

- Kmf — Ferron Sandstone Member
- Kmt — Tunuk Shale Member
- Kd — Dakota Sandstone

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LOWER CRETACEOUS

- Kcu — Cedar Mtn. Fm. — Upper Member
- Kcb — Buckhorn Conglomerate Member

UNCONFORMITY

JURASSIC

- Jmb — Morrison Formation — Brushy Basin Member
- Jms — Salt Wash Member

UNCONFORMITY

- Js — Summerville Formation
- Jcu — Curtis Formation

UNCONFORMITY

- Je — Entrada Sandstone

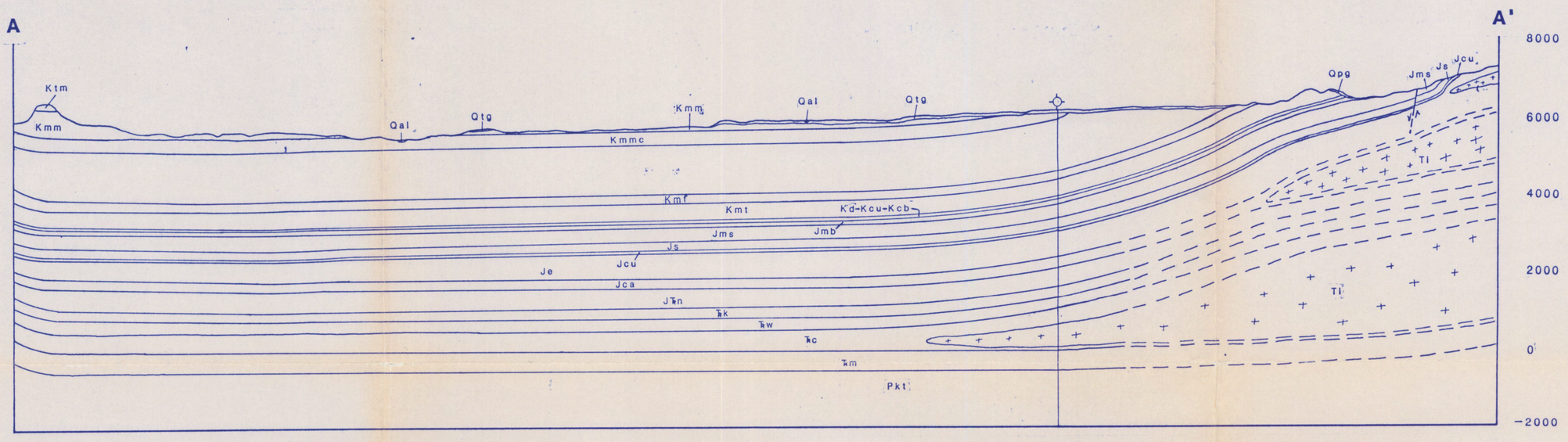
SUBSURFACE UNITS

TRIASSIC

- Jca — Carmel Formation
- JTn — Navajo Sandstone
- Trk — Kayenta Formation
- Trw — Wingate Sandstone
- Trc — Chinle Formation

PERMIAN

- Trm — Moenkopi Formation
- Pkt — Kaibab - Toroweap Limestone



CONTACT

NORMAL FAULT

LOW ANGLE REVERSE FAULT

TOREVA-BLOCK SLIDE

STRIKE AND DIP

HORIZONTAL BEDS

SYNCLINE

Anticline

5800

Structure Contours
Drawn on top of $Kmmc_1$

Plate 1

INTERIM GEOLOGIC MAP OF THE STEELE BUTTE QUADRANGLE, GARFIELD COUNTY, UTAH

by William W. Whitlock

Utah Geological Survey Open-File Report 301 September 1993

Reference: Whitlock, W. W., 1984, Geology of the Steele Butte quadrangle, Garfield County, Utah: Brigham Young University Geology Studies, v. 31, pt. 1, p.141-165

Thesis Chairman: J. Keith Rigby.
Field work during 1981-1982.