U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

COMPILATION OF PHOTOGEOLOGY AND SURFACE GEOLOGY COLORADO PLATEAU AREA, UNITED STATES

TRACE ELEMENTS MEMORANDUM REPORT 542

110° 52'30" | 110° 50'00" | 110° 47'30" | 110° 45'00"
39° 00'00" | 38° 57'30" | 38° 55'00" | 38° 52'30"

EXPLANATION

- Qal — Alluvium
- Qc — Covering deposits, undifferentiated
- Middle and Upper — JURASSIC (?)
  - Jc — Carmel formation
  - Jn — Navajo sandstone
  - Jk — Kayenta formation
  - Jw — Wingate sandstone
- TRIASSIC
  - Upper
    - Trc — Chinle formation
    - Trs — Shinarump conglomerate
  - Lower
    - Trm3 — Upper unit, Moenkopi formation

Contact
(Can be accurately located within 30 feet horizontally)

Contact
(Can be approximately located within 30 to 200 feet horizontally)

Contact
(Cannot be located accurately; probable error greater than 200 feet)

Fault
(U, upthrown side; D, downthrown side. Dashed where approximately located)

Strike and dip of beds
(Based on photo-interpretation)

Conspicuous resistant bed within a formation
(May be traceable only locally)

Strike of approximately vertical joint system
(Based on photo-interpretation)

Secondary road

Note. On aerial photographs the Moenkopi formation in the San Rafael Swell region can be divided into three units; no correlation with subdivisions of the Moenkopi formation in other areas is implied. Only unit 3 is present in this map area.

Stratigraphic column modified from U.S. Geol. Survey Bull. 806-C, 1929.

BASE MAP COMPILED BY SOIL CONSERVATION SERVICE
U. S. DEPARTMENT OF AGRICULTURE

STINKING SPRING CREEK QUADRANGLE

PHOTOGEOLOGIC MAP
STINKING SPRING CREEK-3
EMERY COUNTY, UTAH

PHOTOGEOLOGY BY P. P. ORKILD
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000
DECEMBER, 1952