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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
U. S. ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, ELK RIDGE-5
UTAH - SAN JUAN COUNTY
TRACE ELEMENTS MEMORANDUM REPORT 894

EXPLANATION

QUATERNARY

- Qal Alluvium

TRIASSIC

- Tcu Chinle formation
Upper part, Tcu; sandstone unit of lower part, Tc1s; lower part, Tc1
- Ts Shinarump conglomerate(?)
- Tm Moenkopi formation

PERMIAN

- Pcc Cutler formation
Organ Rock tongue, Pccor; Cedar Mesa sandstone member, Pcc
- PPr Rico formation
- Ph Hermosa formation

CONTACTS

- Contact: Can be located within 30 to 200 feet horizontally.
- Contact: Cannot be located accurately; probable error greater than 200 feet horizontally.
- Probable contact
- Resistant bed within a formation: May be traceable only locally.
- Fault: Dashed where approximately located; U, upthrown side; D, downthrown side. Questioned where probable.
- Anticline: Showing crest line and direction of plunge. Approximately located.

STRUCTURAL FEATURES

- Strike and dip of beds: Computed by photogrammetric methods.
- Approximate strike and dip of beds: Based on photo-interpretation.
- Inferred strike and dip of beds: Based on photo-interpretation of areas where bedding is obscure.
- Horizontal beds
- Strike of approximately vertical joints: Based on photo-interpretation.
- Linear feature uninterpretable on photograph: May be geologically significant.

OTHER FEATURES

- Dry hole
- National forest boundary
- Approximate location
- Secondary road
- Trail



Base map compiled by U. S. Geological Survey from vertical aerial photographs. The aerial photographs used for photogeologic interpretation were taken in October 1952 and May 1953. Roads as shown on this map were as shown. Primary roads are marked and graded, traversable by two-wheel-drive vehicles; secondary roads are traversable, possibly, by two-wheel-drive vehicles. Trails are not traversable by four-wheel-drive vehicles except locally. Where other information is lacking, roads are classified by their appearance on aerial photographs.

4	3	2	1
6	7	8	
12	11	10	9
13	14	15	16

ELK RIDGE QUADRANGLE

PHOTOGEOLOGY BY V. H. SABLE
SCALE 1:24,000
JUNE 1955

This preliminary report is distributed without editorial and technical review for conformity with official standards and nomenclature. It is not for public inspection or quotation.

Stratigraphic column for this area modified from U. S. Geol. Survey Prof. Paper 188, 1938, and Lewis, R. G., personal communication. Geographic and geologic field data from U. S. Forest Service map, Manti-La Sal National Forest, 1952, and Prof. Paper 188. Reservation boundary approximately located according to U. S. Geol. Survey topographic map, Elk Ridge quadrangle, Utah, 1940.

Trace A-B 75 20"

Trace A-B 75 20"

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