



(200)
7677m

DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, CLAY HILLS - 11
UTAH - SAN JUAN COUNTY
TRACE ELEMENTS MEMORANDUM REPORT 840



EXPLANATION

- Alluvium
- Undifferentiated sand, residual mantle, and slope wash
- Cutler formation
- Organ Rock tongue, Pcor;
- Cedar Mesa sandstone member, Pcc;
- Contact
Cannot be located accurately, probable error greater than 200 feet horizontally
- Resistant bed within a formation
May be traceable only locally
- Fault
Approximately located
U, upthrown side; D, downthrown side
Questioned where probable
- Anticline
Showing crest line and direction of plunge
Dashed where approximately located
- Syncline
Showing trough line and direction of plunge
Approximately located
- Strike and dip of beds
Based on field measurement
- 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
- Trail

Planimetric and geologic detail on this map, Clay Hills 11, does not join that on Clay Hills 14 and 12 owing to a more recent and accurate base map compilation for Clay Hills 11 and owing to new geologic interpretation resulting from recent field work.

Base map compiled by U. S. Geological Survey from vertical aerial photographs. The aerial photographs used for photogeologic interpretation were taken in September 1951 and September and October 1952.

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

4	3	2	1
5	6	7	8
12	10	9	
13	14	15	16

CLAY HILLS QUADRANGLE

PHOTOGEOLOGY BY C. H. MARSHALL
SCALE 1:24,000
AUGUST 1954

Stratigraphic column for this area modified from U.S. Geol. Survey Bull. 602, 1936; geographic and geologic field data from Bull. 600 and U.S. Geol. Survey Water-Supply Paper 536, 1924.
Maps of this series have been compiled mainly from photogeologic data but have not been checked in the field; hence they have not had the benefit of thorough evaluation with respect to maps compiled entirely from field data.