

PLEASE REPLACE IN DOCKET  
IN BACK OF BOUND VOLUME

(200)  
7/27/84  
10/4/51 A



DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY

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

PHOTOGEOLOGIC MAP, MT. PEALE-10  
UTAH - SAN JUAN COUNTY  
TRACE ELEMENTS MEMORANDUM REPORT 451-A



EXPLANATION

- Surficial deposits
  - Mancos shale(?)
  - Dakota sandstone and Burro Canyon formation, undifferentiated
  - Morrison formation, Jm; Brushy Basin shale member, Jmb; Salt Wash sandstone member, Jms
  - Summerville formation
  - Entrada sandstone, Moab tongue, Jem; lower unit, Jel
  - Carmel formation
  - Navajo sandstone
  - Kayenta formation
  - Wingate sandstone
  - Chinle formation
  - Cutler formation
  - Rico and Hermosa formations, undifferentiated
- 
- Contact  
Can be located within 30 feet horizontally.
  - Contact  
Can be located within 30 to 200 feet horizontally.
  - Contact  
Cannot be located accurately; probable error greater than 200 feet horizontally.
  - Resistant bed within a formation  
May be traceable only locally.
  - Fault, showing dip and direction of plunge  
U, upthrown side; D, downthrown side.  
Dashed where approximately located; dotted where concealed; Questioned where probable.
  - Anticline  
Showing crest line and direction of plunge
  - Syncline  
Showing trough line and direction of plunge  
Dashed where approximately located.
  - Strike and dip of beds  
Based on field measurement.
  - Approximate strike and dip of beds  
Based on photointerpretation.
  - Inferred strike and dip of beds  
Based on photointerpretation of areas where bedding is obscure.
  - Horizontal beds
  - Strike of approximately vertical joints  
Based on photointerpretation.
  - Linear feature uninterpretable on photograph  
May be geologically significant.
  - Dry hole
  - Mine
  - Secondary road
  - Trail
  - Fence

Base map modified from Soil Conservation Service map, Utah, 286.  
The aerial photographs used for photogeologic interpretation were taken in June 1950.  
Roads as classified in this map series are as follows:  
Primary roads are maintained 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. When other information is lacking, roads are classified by their appearance on aerial photographs.

4	3	2	1
5	6	7	8
12	11	10	9
13	14	15	16

MT. PEALE QUADRANGLE

PHOTOGEOLOGY BY R. J. HACKMAN  
SCALE 1:24 000  
REVISED JULY 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 Strategic Minerals Inv., Prelim. Map 3-226, 1944, and unpublished field data of R. D. Sample, H. H. Sullwold, Jr., and E. E. Gould. Geographic and geologic field data also from Strategic Minerals Inv., Prelim. Map 3-226, and unpublished field data of Sample, Sullwold, and Gould.  
This map has been compiled mainly from photogeologic data but has not been checked in the field.