



EXPLANATION

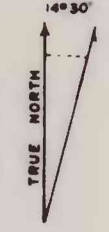
- SEDIMENTARY ROCKS**
- QUATERNARY**
    - Qal Alluvium and wind-blown sand
  - TRIASSIC**
    - Rc Chinle formation
    - Rs Shinarump conglomerate
  - PERMIAN**
    - Rm Moenkopi formation
    - Pch Cutler formation
    - Pcd Hoskinnini tongue, Pch; DeChelly sandstone member, Pcd; Organ Rock tongue, Pcor; Cedar Mesa sandstone member, Pcc
    - Pcor
    - Pcc
  - TERTIARY**
    - Ti Igneous rocks
    - Dikes
- 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)
- Probable or doubtful contact**
- High-angle fault**  
(U, upthrown side; D, downthrown side)
- Anticline**  
Showing trace of axial plane and direction of plunge  
(Dashed where approximately located)
- Syncline**  
Showing trace of axial plane and direction of plunge  
(Dashed where approximately located)
- Strike and dip of beds**  
(Based on field measurement)
- Strike and dip of beds**  
(Based on photo-interpretation)
- Dip component**
- Strike of approximately vertical joint system**  
(Based on photo-interpretation)
- Spring**
- Primary road**
- Secondary road**
- Trail**

Planimetric base map compiled by U. S. Geological Survey from photo-mosaics prepared by Fairchild Aerial Surveys and from other aerial photographs.

JULY 1962

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

CLAY HILLS  
QUADRANGLE



**PHOTOGEOLOGIC MAP**  
**CLAY HILLS -14**  
**NAVAJO INDIAN RESERVATION**  
**SAN JUAN COUNTY, UTAH**  
PHOTOGEOLOGY BY W. A. FISCHER  
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH  
SCALE 1:24,000

Stratigraphic column modified from U. S. Geological Survey Bull. 865.