



EXPLANATION

- | | | |
|--|------|--------------|
| | Qal | QUATERNARY |
| Alluvium and wind-blown sand | | |
| | Jsr | JURASSIC (?) |
| San Rafael group undifferentiated | | |
| | Jn | |
| Navajo sandstone | | |
| | Jk | |
| Kayenta formation | | |
| | Jw | TRIASSIC |
| Wingate sandstone | | |
| | Rc | |
| Chinle formation
(Present in this area but covered by alluvium and wind-blown sand) | | PERMIAN |
| | Rs | |
| Shinarump conglomerate | | |
| | Rm | PERMIAN |
| Moenkopi formation | | |
| | Pcd | |
| | Pcor | |
| | Pcc | |
| Cutter formation
DeChelly sandstone member, Pcd;
Organ Rock tongue, Pcor, Cedar Mesa sandstone member, Pcc | | |

- 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)
- Strike and dip of beds**
(Based on photo-interpretation)
- Strike of approximately vertical joint system**
(Based on photo-interpretation)
- Uninterpretable linear feature on photograph**
(May be geologically significant)
- Secondary road**
- Trail**

Note: In this area the Wingate sandstone formation is composed of an upper eolian facies and a lower thin-bedded sandstone-siltstone facies. Although these two units can be differentiated on aerial photographs, they are mapped here as a single formation.

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

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

SETSILTZO SPRINGS QUADRANGLE

PHOTOGEOLOGIC MAP
SETSILTZO SPRINGS - 3
NAVAJO INDIAN RESERVATION
APACHE COUNTY, ARIZONA
PHOTOGEOLOGY BY R.G. RAY
PHOTOGEOLOGY UNIT, ALASKAN GEOLOGY BRANCH
SCALE 1:24,000

Stratigraphic column for this area modified from U. S. Geol. Survey Bull. 865 and U. S. Geol. Survey unpublished maps.

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