

U.S. GEOLOGICAL SURVEY  
 AUG 19 1986  
 GEOLOGIC DIVISION

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DEPARTMENT OF THE INTERIOR  
 UNITED STATES GEOLOGICAL SURVEY

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

TRACE ELEMENTS MEMORANDUM REPORT 971



EXPLANATION

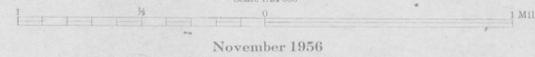
- Os  
Surficial deposits
  - Pk  
Kaibab limestone  
(May include Timpowep member of the Moenkopi formation)
  - Pt  
Toroweap formation
  - Ph  
Hermit(?) shale
  - S  
Slump blocks of Permian rocks
- 
- Contact  
Can be located within 30 feet horizontally.
  - Contact  
Can be located within 30 to 200 feet horizontally.
  - Contact  
Cannot be located accurately; probable error greater than 200 feet horizontally.
  - Probable contact
  - Conspicuous or resistant bed within a formation  
May be traceable only locally.
  - Fault  
U, upthrown side; D, downthrown side.  
Dashed where approximately located; dotted where concealed.  
Questioned where probable.
  - Linear feature uninterpretable on photograph  
May be geologically significant.
  - Strike and dip of beds  
Computed by photogrammetric methods.
  - Inferred strike and dip of beds  
Based on photointerpretation of areas where bedding is obscure.
  - National forest boundary
  - Secondary road
  - Trail
  - Fence
  - Surveyed line

Base map compiled by U. S. Geological Survey from vertical aerial photographs.  
 The aerial photographs used for photogeologic interpretation were taken in June 1955.  
 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.



PHOTOGEOLOGIC MAP  
 OF THE  
 HOUSE ROCK SPRING NW QUADRANGLE  
 COCONINO COUNTY, ARIZONA

By  
 J. P. Minard  
 Scale 1:24,000



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 220, 1950; Carnegie Inst. Washington Pub. 492, 1938; and U. S. Geol. Survey Prof. Paper 164, 1931. Geologic field data from Geol. Soc. America Bull., v. 56, p. 107-150, 1945.  
 This map has been compiled mainly from photogeologic data and has not been checked in the field.