

File of 62001
1/6/57



DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

TRACE ELEMENTS MEMORANDUM REPORT 982



EXPLANATION

	Surficial deposits	CRETACEOUS TERTIARY(?) QUATERNARY
	Conglomerate May correlate with the Parawacup formation.	
	Dakota sandstone	UPPER CRETACEOUS
	Entrada sandstone	
	Carmel formation	MIDDLE AND UPPER TRIASSIC
	Navajo sandstone Upper unit, Jnu; middle unit, Jnm; lower unit, Jnl.	
	Kayenta formation	UPPER TRIASSIC
	Moenave formation	
	Chinle formation Petrified Forest member, Jnc; Shinarump member, Jcs.	MIDDLE TRIASSIC
	Moenkopi formation Upper member, Jm; Lower red member, Jmr.	
	Kaibab limestone May include Timpanoap member of the Moenkopi formation.	PERMIAN

	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
	Resistant bed within a formation May be traceable only locally.
	Fault U, upthrown side; D, downthrown side. Dashed where approximately located. Dotted where questioned. Dotted where concealed.
	Linear feature uninterpretable on photograph May be geologically significant.
	Strike and dip of beds Computed by photogrammetric methods.
	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.
	Strike of approximately vertical joints Based on photo-interpretation.
	Mine Adit
	State boundary
	Primary road
	Secondary road
	Trail

**PHOTOGEOLOGIC MAP
OF THE
PARIA SW QUADRANGLE
KANE COUNTY, UTAH
COCONINO COUNTY, ARIZONA**

By
A. B. Olson

Scale 1:24,000



1957

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 Am. Assoc. Petroleum Geologists Bull., vol. 39, p. 2515-24, 1955, and Geol. Soc. America Bull., v. 59, p. 211-247, 1948. Geographic and geologic field data from U.S. Geol. Survey Prof. Paper 1571, Geol. Soc. America Bull., v. 59, p. 211-247, 1948, and U.S. Geological Survey prelim. topo. map, Paria SW quadrangle, Utah and Arizona.

This map has been compiled mainly from photogeologic data and has not been checked in the field.

Base map modified from U.S. Geological Survey preliminary topographic map, Paria SW quadrangle, Utah and Arizona. The aerial photographs used for photogeologic interpretation were taken in June 1948 and June 1953.

