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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 963

EXPLANATION

Qs	Surficial deposits — QUATERNARY
Jnm / Jnl	Navajo sandstone. Middle unit, Jnm; lower unit, Jnl — JURASSIC and JURASSIC(?)

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
U, upthrown side; D, downthrown side. Dashed where approximately located; dotted where concealed.

Strike and dip of beds
Computed by photogrammetric methods.

Inferred strike and dip of beds
Based on photointerpretation of areas where bedding is obscure.

Strike of approximately vertical joints
Based on photointerpretation.

Linear feature uninterpretable on photograph
May be geologically significant.

Waterhole

Secondary road

Trail

Fence

Surveyed line

Most linear features in the Navajo sandstone are probably surface expressions of joints.

Base map modified from U. S. Geological Survey preliminary topographic map, Paria Plateau NW quadrangle, Arizona.

The aerial photographs used for photogeologic interpretation were taken in September and October 1951.

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.

NW NE SW SE
PARIA PLATEAU
15-MINUTE QUADRANGLE

15°
TRUE NORTH
MAGNETIC NORTH

PHOTOGEOLOGIC MAP
OF THE
PARIA PLATEAU NW QUADRANGLE
COCONINO COUNTY, ARIZONA

By
J. P. Minard

Scale 1:24 000

1 ½ 0 1 Mile

March 1956

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Stratigraphic column for this area modified from unpublished field data of J. W. Harshbarger, C. A. Repenning, and J. H. Irwin. Geographic field data from U. S. Geol. Survey prelim. topo. map, Paria Plateau NW quadrangle, Ariz.

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