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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 #57

(PARIA PLATEAU NW)

R. 4 E. R. 5 E.

(PARIA PLATEAU NE)



EXPLANATION

- Os  
Surficial deposits
- Jn  
Navajo sandstone
- Jk  
Kayenta formation
- Tmos  
Tmod  
Moenave formation  
Springdale sandstone member, Tmos;  
Dinosaur Canyon sandstone member, Tmod
- Tcp  
Petrified Forest member  
of the Chinle formation
- S  
Slump blocks of  
Triassic and Jurassic 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
- Fault  
U, upthrown side; D, downthrown side  
Dashed where approximately located;  
dotted where concealed;  
Questioned where probable
- Strike and dip of beds  
Computed by photogrammetric methods
- Approximate strike and dip of beds  
Based on photointerpretation
- 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
- Secondary road
- Trail
- Fence
- Surveyed line

TRIASSIC, JURASSIC, QUATERNARY

HOUSE ROCK SPRING SE

(PARIA PLATEAU SE)

Base map modified from U. S. Geological Survey preliminary topographic map, Paria Plateau SW 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

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

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



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 Am. Assoc. Petroleum Geologists Bull., v. 39, pp. 2515-2524, 1955; and Geol. Soc. of America Mem. 61, 1954. Geographic field data from U.S. Geol. Survey prelim. topo. map, Paria Plateau SW quadrangle, Ariz.  
This map has been compiled mainly from photogeologic data but has not been checked in the field.

JACOB LAKE NE

(EMMETT WASH NE)