TEM 404

PHOTOGEOLOGIC MAP,

SETSILTSO SPRINGS-4 QUADRANGLE,

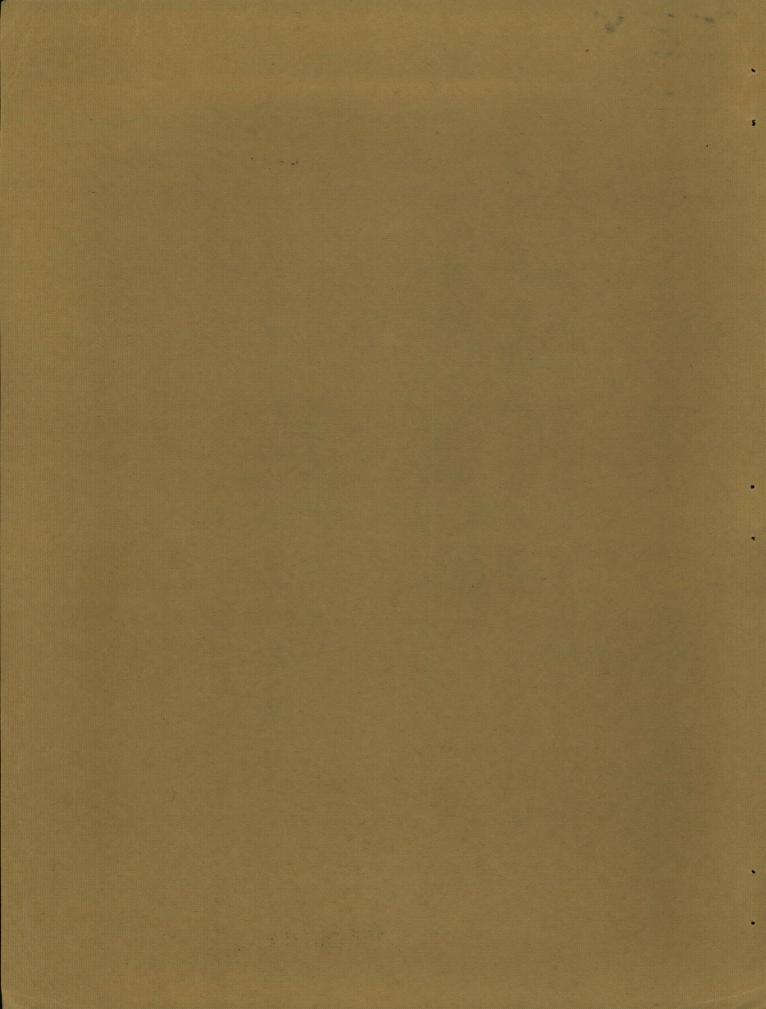
NAVAJO INDIAN RESERVATION,

APACHE COUNTY, ARIZONA

Trace Elements Memorandum Report 404

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY





UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WASHINGTON 25, D. C.

AUG 1 4 1952

AEC - 137/3

Dr. Phillip L. Merritt, Assistant Director Division of Raw Materials U. S. Atomic Energy Commission P. O. Box 30, Ansonia Station New York 23, New York

Dear Phil:

Transmitted herewith for your information are two copies of Trace Elements Memorandum Report 404, "Photogeologic map, Setsiltso Springs-4 quadrangle, Navajo Indian Reservation, Apache County, Arizona," by R. G. Ray, August 1952. This map of part of the Colorado Plateau area is one of the series of $7\frac{1}{2}$ minute photogeologic quadrangle maps that are being prepared.

Geologic contacts and structural data are believed reasonably reliable.

Planimetry for this map was taken from aerial photographs and adjusted to positions taken from existing photo-mosaics. To hold these positions some adjustment was necessary; therefore, this map cannot be considered reliable as to scale or bearing. Relative positions, however, should be reasonably accurate.

On recent maps by the U. S. Geological Survey the Wingate sandstone is divided into two units. These are locally recognizable on aerial photographs, but in this area the Wingate sandstone is mapped only as a single unit.

Because the Hoskinnini tongue of the Cutler formation is generally very thin in this area and because its appearance on aerial photographs is somewhat similar to the Moenkopi formation, it has been included with the Moenkopi formation.

In order to make the information available to the public, we plan to place this map on open file. We are asking Mr Hosted whether the Commission has any objection to this plan.

Sincerely yours,

W. H. Bradley Chief Geologist

UNCLASSIFIED

Geology - Mineralogy

This document consists of 2 pages, plus 2 figures.
Series A

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

PHOTOGEOLOGIC MAP, SETSILTSO SPRINGS-4 QUADRANGLE,
NAVAJO INDIAN RESERVATION, APACHE COUNTY, ARIZONA*

Ву

R, G. Ray

August 1952

Trace Elements Memorandum Report 404

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.

This report concerns work done on behalf of the Division of Raw Materials of the U. S. Atomic Energy Commission

USGS - TEM Report 404

GEOLOGY - MINERALOGY

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INDEX MAP OF PART OF THE COLORADO PLATEAU AREA, SHOWING LOCATION OF PHOTOGEOLOGIC QUADRANGLE MAPS

