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LOS GIGANTES SE,
PRELIMINARY GEOLOGIC MAP OF PART
OF THE CARRIZO MOUNTAINS AREA,
NORTHEASTERN ARIZONA

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Trace Elements Memorandum Report 429

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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IN REPLY REFER TO:

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

August 20, 1952

AEC - 186/3

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 and distribution are six copies of Trace Elements Memorandum Report 429, "Los Gigantes SE, preliminary geologic map of part of the Carrizo Mountains area, northeastern Arizona," by J. D. Strobell, Jr., August 1952.

This map is transmitted in advance of publication, in order to assist Commission and Survey personnel in their search for uranium deposits in the area. It shows geology, roads, drainage, meridians and parallels, triangulation stations, and air-photo centers and wing points. It is in very preliminary form, partly incomplete, and not edited for publication.

We plan to combine this map with the 15 remaining $7\frac{1}{2}$ minute quadrangles of the area that have been or soon will be transmitted to you. After the 16 quadrangles are redrafted on a reduced scale as one map, we will submit a copy to Mr. Hosted for approval to publish in the Survey's Oil and Gas Map Series.

Sincerely yours,

W. E. McKelvey

for W. H. Bradley
Chief Geologist

UNCLASSIFIED

Geology - Mineralogy

This document consists of 2 pages,
plus 1 figure.
Series A

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOS GIGANTES SE, PRELIMINARY GEOLOGIC MAP OF PART
OF THE CARRIZO MOUNTAINS AREA, NORTHEASTERN ARIZONA*

By

J. D. Strobell, Jr.

August 1952

Trace Elements Memorandum Report 429

This preliminary report is distributed
without editorial and technical review
for conformity with official standards
and nomenclature. It is not for pub-
lic 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 429

GEOLOGY - MINERALOGY

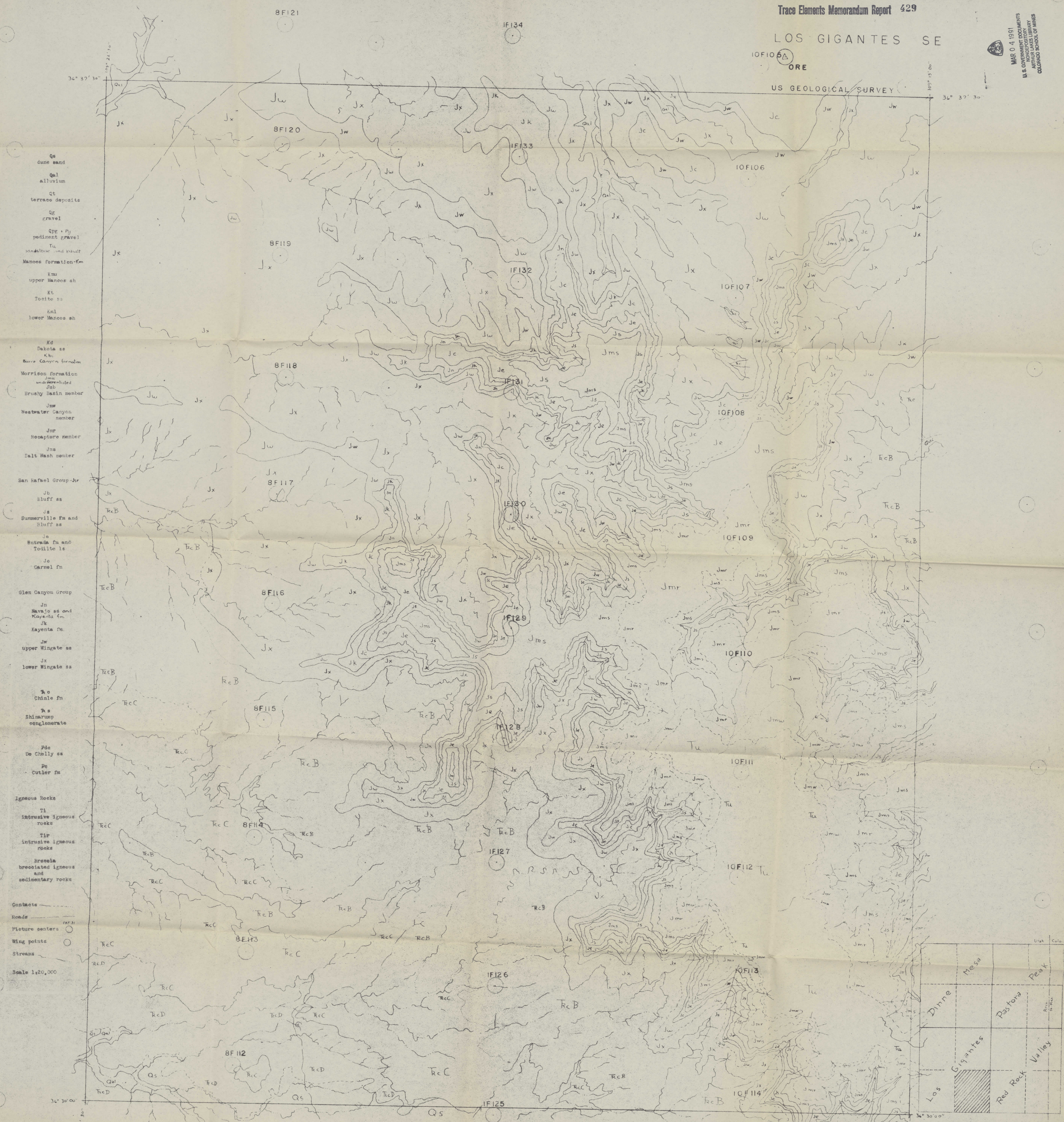
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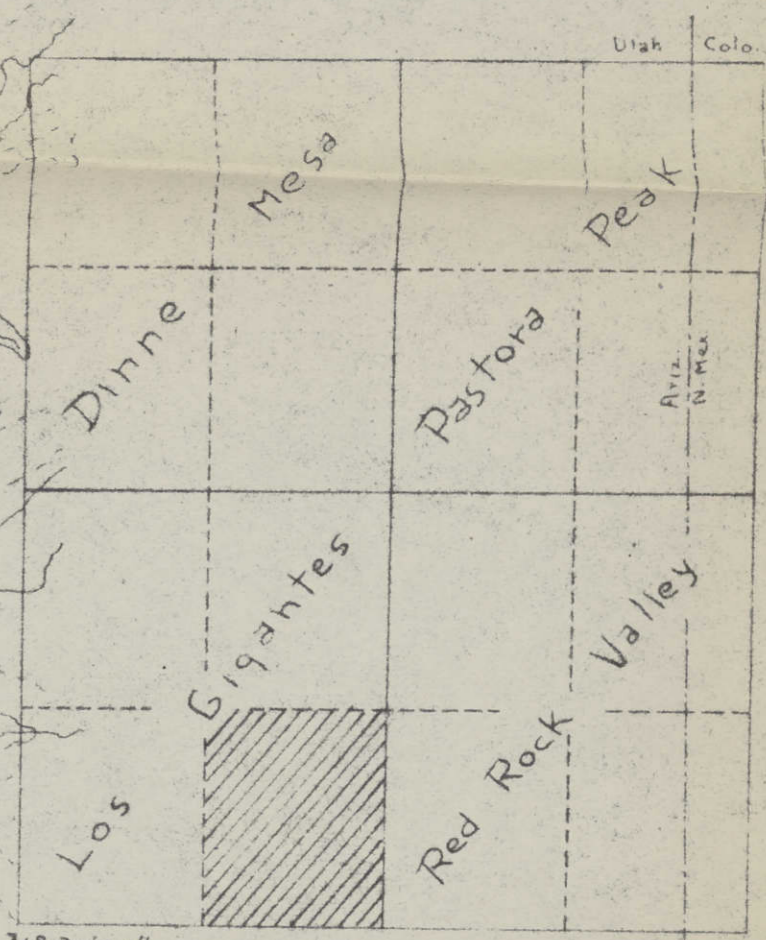
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- Qs dune sand
- Qal alluvium
- Qt terrace deposits
- Qg gravel
- Qpr + Py pediment gravel
- Tu sandstone and siltstone
- Mancos formation - fm
- Kms upper Mancos sh
- Kl Toole ss
- sm lower Mancos sh
- Ed Dakota ss
- Kbc Burr Canyon formation
- Morrison formation
- Jms undifferentiated
- Jsb Brushy Basin member
- Jmr Westwater Canyon member
- Jnr Neoplatine member
- Jms Salt Wash member
- San Rafael Group - Jr
- Jb Bluff ss
- Ja Summerville fm and Bluff ss
- Jc Entrada fm and Toole ss
- Jd Garsden fm
- Glen Canyon Group
- Jn Navajo ss and Kayenta fm
- Ky Kayenta fm
- Jw upper Wingate ss
- Jx lower Wingate ss
- Wo Chinle fm
- Rs Shinarump conglomerate
- Pdc De Chelly ss
- Pc Cutler fm
- Igneous Rocks
- Ti Intrusive igneous rocks
- Tir Intrusive igneous rocks
- Brec brecciated igneous and sedimentary rocks
- Contacts
- Roads
- Picture centers
- Wing points
- Streams



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