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

Trace Elements Memorandum Report 417

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.

AEC - 996/2

JUN 2 1952

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 417, "Los Gigantes NW, preliminary geologic map of part of the Carrizo Mountains area, northeastern Arizona," by J. D. Strobell, Jr., June 1952. This map is the third of a series of 16 $7\frac{1}{2}'$ quadrangles of the Carrizo Mountains area that will be transmitted soon.

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 publish this map, in a somewhat modified form, in the Survey's Oil and Gas Map Series. We are asking Mr. Hosted, by a copy of this letter, whether the Commission has any objection to this plan.

Sincerely yours,

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 NW, PRELIMINARY GEOLOGIC MAP
OF PART OF THE CARRIZO MOUNTAINS AREA,
NORTHEASTERN ARIZONA*

By

J. D. Strobell, Jr.

June 1952

Trace Elements Memorandum Report 417

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 417

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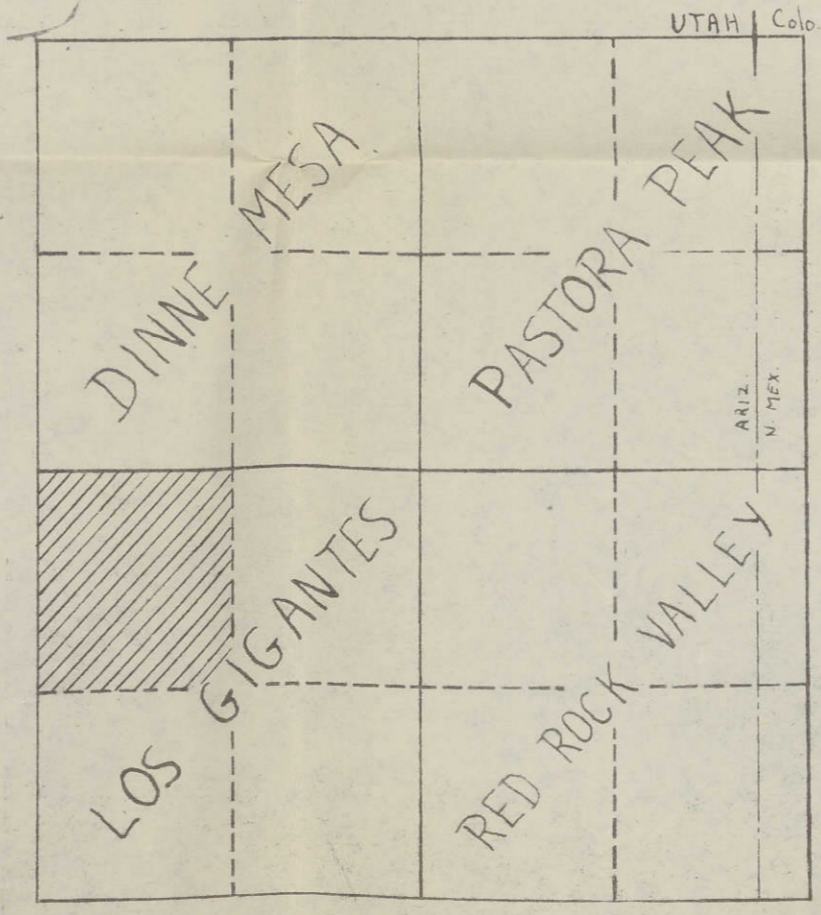
Trace Elements Memorandum Report 417

Los Gigantes NW
U.S. GEOLOGICAL SURVEY

108° 30' 00"
36° 45' 00"

109° 22' 30"
36° 45' 00"

- Qs
dune sand
- Qal
alluvium
- Tt
terrace deposits
- Jc
gravel
- Jp
pebbles in gravel
- Jm
Mancos formation
- Ju
upper Mancos sh
- Jt
Tollito sh
- Jv
lower Mancos sh
- Jd
siltstone
- Jh
Horicon formation
- Jn
crudely laminated
- Jw
westerly high member
- Jr
sculpture member
- Js
all sandstone
- Jk
San Rafael group
- Jl
bluff ss
- Jm
Summerville fm and bluff ss
- Jn
extrusion fm and Tollito ls
- Jo
argill fm
- Jp
Glen Canyon Group
- Jq
Mansio ss
- Jr
Haystack sh
- Js
upper Niagara ss
- Jt
lower Niagara ss
- Ju
chile fm
- Jv
Shinarump conglomerate
- Jw
shaly ss
- Jx
outlier fm
- Jy
agglomerate
- Jz
intrusive igneous rocks
- 11
intrusive igneous rocks
- 12
intrusive igneous rocks
- 13
breccia
- 14
brecciated igneous and sedimentary rocks
- Contacts
- Roads
- Picture centers
- Wing points
- Streams
- Scale 1:50,000



PRELIMINARY DRAFT SUBJECT TO CORRECTION AND REVISION

THE GREAT WALL OF CHINA

