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418

INDEXED
RES. OFF.

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

RECEIVED

JUL 7 1952

RESEARCH DEPT.
THE DOW CHEMICAL CO.
WESTERN DIV.

Trace Elements Memorandum Report 418

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WITHDRAWN



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COLORADO SCHOOL OF MINES



IN REPLY REFER TO:

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

JUN 3 1952

AEC - 997/2

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 418, "Los Gigantes NE, preliminary geologic map of part of the Carrizo Mountains area, northeastern Arizona, " by J. D. Strobell, Jr., June 1952. This map is the fourth 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,

O.E. McElroy

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

By

J. D. Strobell, Jr.

June 1952

Trace Elements Memorandum Report 418

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.

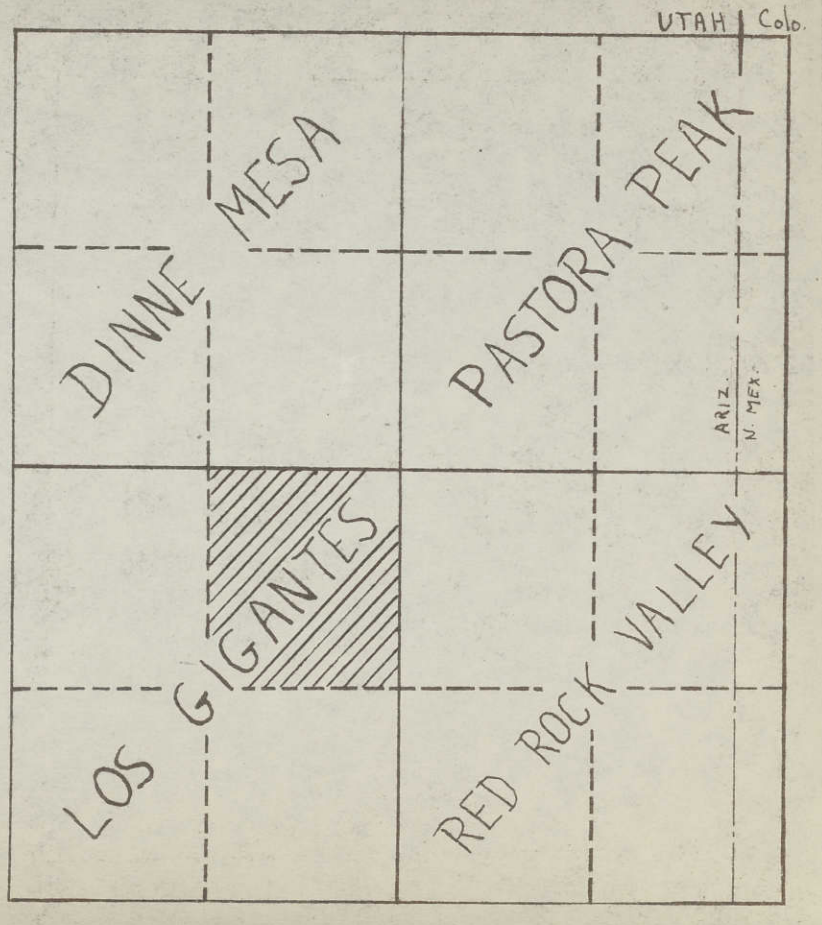
*This report concerns work done on behalf of the Division
of Raw Materials of the U. S. Atomic Energy Commission

USGS - TEM Report 418

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U.S. GEOLOGICAL SURVEY
MINERAL DEPARTMENT
WASHINGTON, D.C.
COLUMBIA SCHOOL OF MINES



Trace Elements Memorandum Report 418

Los Gigantes NE
U. S. GEOLOGICAL SURVEY



- Gs dune sand
- Qal alluvium
- Tt terrace deposits
- Gg gravel
- Gpg podiment gravel
- Mancos formation
 - Km upper Mancos sh
 - Kt Toole ss
 - Kml lower Mancos sh
- Kd Dakota ss
- Morrison formation
 - Jmb Brushy Basin member
 - Jmw Westwater Canyon member
 - Jmr Soapstone member
 - Jms Salt Wash member
- San Rafael Group
 - Jb bluff ss
 - Js Summerville fm and bluff ss
 - Je Entrada fm and Todillo ls
 - Jc Carmel fm
- Glen Canyon Group
 - Jn Navajo ss
 - Jk Kayenta fm
 - Jw upper Wingate ss
 - Jx lower Wingate ss
 - Ze Chinle fm
 - Za Shinarump conglomerate
- Pde De Chelly ss
- Pc Cutler fm
- Igneous Rocks
 - Ti intrusive igneous rocks
 - Tir intrusive igneous rocks
 - Breccia brecciated igneous and sedimentary rocks
- Contacts
- Roads
- Picture centers
- Wing points
- Streams

Scale 1:20,000

PRELIMINARY DRAFT SUBJECT TO CORRECTION AND REVISION

