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TEM 415

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

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Trace Elements Memorandum Report 415

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED

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

JUN 3 0 1952

AEC - 994/2

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 415, "Dinne Mesa NW, preliminary geologic map of part of the Carrizo Mountains area, north-eastern Arizona," by J. D. Strobell, Jr., June 1952. This map is the first 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

DINNE MESA NW. PRELIMINARY GEOLOGIC MAP  
OF PART OF THE CARRIZO MOUNTAINS AREA,  
NORTHEASTERN ARIZONA\*

By

J. D. Strobell, Jr.

June 1952

Trace Elements Memorandum Report 415

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.

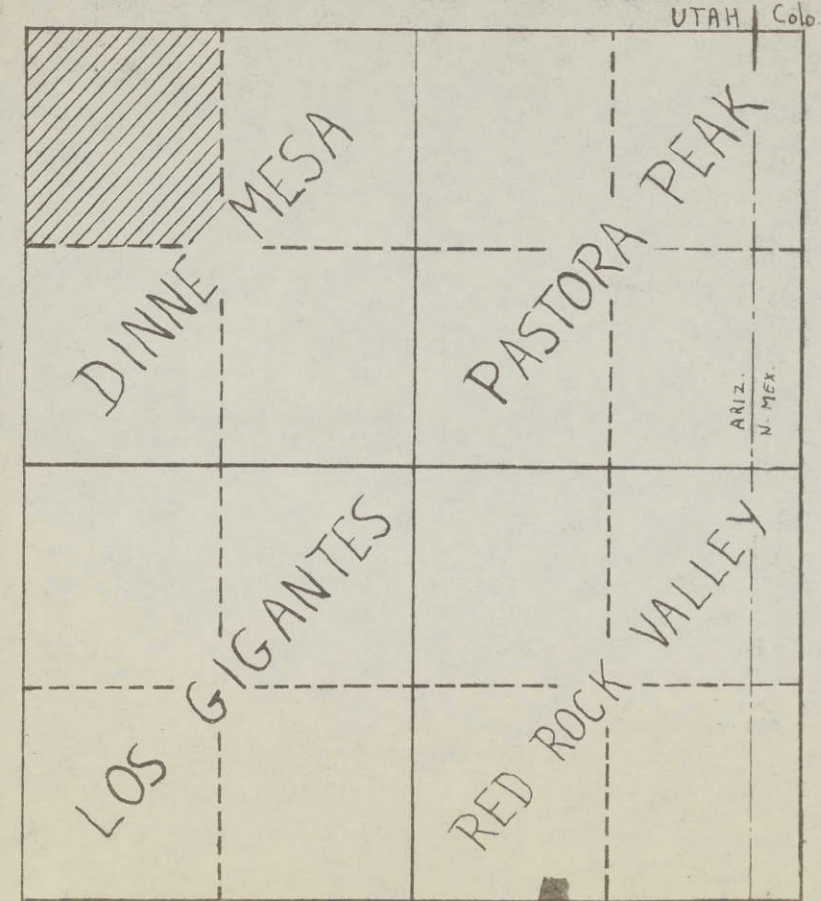
\*This report concerns work done on behalf of the Division  
of Raw Materials of the U. S. Atomic Energy Commission

## USGS - TEM Report 415

## GEOLOGY - MINERALOGY

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Trace Elements Memorandum Report 4-15

Dinne Mesa NW  
U. S. GEOLOGICAL SURVEY

109° 30' 00"  
37° 00' 00"

109° 22' 30"  
37° 00' 00"

- Qs dune sand
- Qal alluvium
- Qt terrace deposits
- Qg gravel
- Qgp pediment gravel
- Mancos formation
  - Km upper Mancos sh
  - Kt Tesito ss
  - Kml lower Mancos sh
- Kd Dakota ss
- Morrison formation
  - Jmb Brushy Basin member
  - Jmw Westwater Canyon member
  - Jmr Mcapture member
  - Jms Salt Wash member
- San Rafael Group
  - Jb Bluff ss
  - Ja Summerville fm and Bluff ss
  - Je Entrada fm and Todilto ls
  - Jc Carmel fm
- Glen Canyon Group
  - Jn Navajo ss
  - Jk Kayenta fm
  - Jw upper Wingate ss
  - Jl lower Wingate ss
- Tc Chinle fm
- Ts Shinarump conglomerate
- Pdc De Chelly ss
- Pc Cutler fm
- Igneous Rocks
  - Ti Intrusive igneous rocks
  - Tir Intrusive igneous rocks
  - Irecella brecciated igneous and sedimentary rocks
- Contacts
- Roads
- Picture centers
- Wing points
- Streams
- Scale 1:20,000

36° 52' 30"  
109° 30' 00"

36° 52' 30"  
109° 22' 30"

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