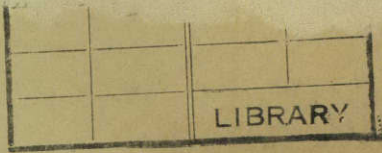


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PASTORA PEAK SE,

PRELIMINARY GEOLOGIC MAP OF PART

OF THE CARRIZO MOUNTAINS AREA,

NORTHEASTERN ARIZONA AND

NORTHWESTERN NEW MEXICO

RECEIVED

Feb 25 1954

RESEARCH DEPT.
THE DOW CHEMICAL CO.
WESTERN DIV.

WITHDRAWN

Trace Elements Memorandum 427

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 - 184/3

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 427, "Pastora Peak SE, preliminary geologic map of part of the Carrizo Mountains area, northeastern Arizona and northwestern New Mexico," 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 7½ 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. H. Bradley

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

PASTORA PEAK SE, PRELIMINARY GEOLOGIC MAP OF PART
OF THE CARRIZO MOUNTAINS AREA, NORTHEASTERN ARIZONA AND
NORTHWESTERN NEW MEXICO*

By

J. D. Stobell, Jr.

August 1952

Trace Elements Memorandum Report 427

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 427

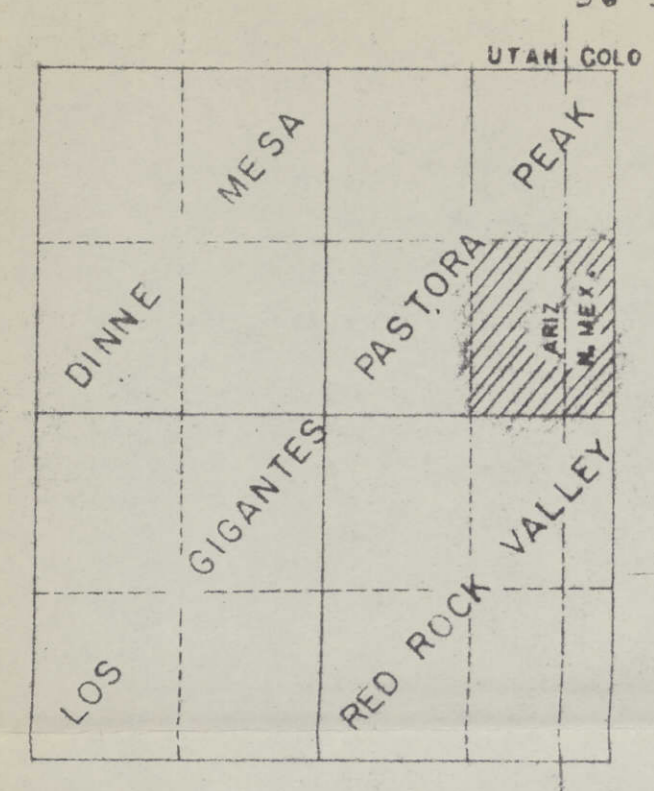
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PASTORA PEAK SE

PRELIMINARY DRAFT SUBJECT
TO CORRECTION AND REVISION

U.S. GEOLOGICAL SURVEY



- Qs dune sand
- Qal alluvium
- Qt terrace deposits
- Qg gravel
- Qpk, Py pediment gravel
- Tt sandstone and siltstone
- Mancos formation-Km
- Ems upper Mancos sh
- Kt Todillo ss
- Kml lower Mancos sh
- Kd Dakota ss
- Kbc Bairo Canyon formation
- Morrison Formation
- unsubdivided
- Jmb Brushy Basin member
- Jmw Westwater Canyon member
- Jmr Hoeaplane member
- Jms Salt Wash member
- San Rafael Group-Jr
- Jb bluff ss
- Ja Summerville fm and bluff ss
- Jc Entrada fm and Todillo ls
- Je Carmel fm
- Glen Canyon Group
- Jn Navajo ss and Kayenta fm
- Jk Kayenta fm
- Jw upper Wingate ss
- Jx lower Wingate ss
- Chisle fm
- Shinarump conglomerate
- De Chelly ss
- 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



1892

