



**U.S. GEOLOGICAL SURVEY LIBRARY
FIELD RECORDS COLLECTION
DENVER, COLORADO**

ALFRED T. MIESCH
(1927 -)

NOTES, CORRESPONDENCE, PAPERS

1953 - 1966

(3.6 linear ft. and 3 map folders)

Alfred Thomas Miesch was born in Hammond, Indiana, in 1927. He earned a B.S. from St. Joseph's College in 1950, an M.A. from Indiana University in 1954, and a Ph.D. from Northwestern University in 1961. Miesch served on the USGS geology staff from 1953 to 1986, specializing in the geochemistry of uranium deposits and statistical methods in geologic and geochemical research. He is a recipient of the U.S. Department of the Interior's Meritorious Service Award (1973) and Distinguished Service Award (1983).

INVENTORY

By

Clay M. Martin
U.S. Geological Survey Field Records Collection
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
January 2010

Location of Field Notebooks: CS-6: 7-8

STATISTICAL ANALYSIS OF AN ORE BODY IN THE LEGIN GROUP AREA, SAN MIGUEL COUNTY, COLORADO. 1953.

<u>Item Number</u>	<u>Description</u>
NO-08777	Expandable envelope with draft copy of an unpublished 78-page report (including appendices) entitled "Statistical analysis of an ore body in the Legin Group area, San Miguel County, Colorado", by A.T. Miesch and E.M. Shoemaker. 1953.
MA-01881	Map folder with three isopleth maps of the Legin Group area, showing statistical data related to uranium and vanadium content in ore samples.

DISTRIBUTION OF ELEMENTS IN COLORADO PLATEAU URANIUM DEPOSITS. 1953-1958.

NO-06002	Expandable envelope with seven groups of analytical results and other data, including correspondence, related to sampling of Colorado Plateau uranium deposits. 1953-1966.
NO-06003	Expandable envelope with six groups of analytical results and other data, including correspondence, related to sampling of Colorado Plateau uranium deposits. 1953-1966.
NO-06004	Document box with approximately 850 5 x 8-inch index cards with assay data for mill-pulp samples taken during field investigation of Colorado Plateau uranium deposits.
NO-06005	Document box with approximately 600 5 x 8-inch index cards with spectrographic analysis and assay data for samples taken during field investigation of Colorado Plateau uranium deposits.
NO-06006	Document box with approximately 200 key-sort data punch cards with spectrographic analysis data for samples taken during field investigation of Colorado Plateau uranium deposits.
NO-06007	Expandable envelope with approximately 100 key-sort data punch cards with spectrographic analysis data for samples taken during field investigation of Colorado Plateau uranium deposits.
NO-06008	Document box with approximately 220 key-sort data punch cards with spectrographic analysis data for samples taken during field investigation of Colorado Plateau uranium deposits.
NO-06009	Document box with approximately 150 key-sort data punch cards with

spectrographic analysis data for ore and mill pulp samples taken during field investigation of Colorado Plateau uranium deposits.

- NO-06010 Expandable envelope with approximately 160 key-sort data punch cards with spectrographic analysis data for samples taken during field investigation of Colorado Plateau uranium deposits.
- NO-06011 Document box with approximately 100 key-sort data punch cards with spectrographic analysis data for mill pulp samples taken during field investigation of Colorado Plateau uranium deposits.
- MA-00937 Map folder with 18 items:
- Group of 10 sheets and one key-sort data punch card with analytical data for samples from the Chinle Formation.
 - Two sheets with tables of data related to Colorado Plateau uranium deposits, mines, and related sample numbers.
 - Two sketch maps of the Colorado Plateau, showing uranium deposits, mines, sample locations, and geologic formation data.
 - Group of two sheets with map and tables of data related to northwestern Colorado Plateau mining districts, uranium claims, and sample numbers.
 - Annotated copy of USGS Mineral Investigations Field Studies Map MF-54, "Uranium and vanadium deposits of the Colorado Plateau that produced more than 1,000 tons of ore through June 30, 1955".
- MA-01890 Map folder with two items:
- Annotated copy of plate accompanying USGS Trace Elements Investigation Report 344, "Map of the Colorado Plateau showing deposits and groups of deposits that produced 1,000 tons or more of uranium-vanadium ore through December 31, 1953".
 - Annotated copy of plate accompanying USGS Strategic Minerals Investigations Preliminary Map 3-226, "Simplified geologic map of the vanadium region of southwestern Colorado and southeastern Utah".

Published as: U.S. Geological Survey. Bulletin 1147-E. 1963.

GEOCHEMICAL SURVEY OF THE SAUK SEQUENCE OF THE WESTERN UNITED STATES. 1962-1966.

- NO-11920 A.T. Miesch. Field notebook pages with geologic notes and sketches and sample data related to field investigation of these 1962 study areas:
- 1. Little Rocky Mountains, Blaine and Phillips Counties, Montana.
 - 2. Dearborn River-Elk Creek area, Lewis and Clark County, Montana.
 - 3. Jefferson Island, Manhattan, and Three Forks 15' quadrangles, Montana, and Divide 4 N.E., Divide 4 N.W., and Divide 4 SE 7.5' quadrangles, Montana.

- NO-11921 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of these 1962-1966 study areas:
- 4. Blue Gulch, Boysen, Elkhorn Springs, Guffey Peak, Lewiston Lakes, and Myers Ranch 7.5' quadrangles, Wyoming. 1962-1965.
 - 5. Pocatello and Yandell Springs 15' quadrangles, Idaho.
- NO-11922 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of these 1962-1965 study areas:
- 6. Cadiz and Danby 15' quadrangles, California.
 - 7. Clark and Lincoln Counties, Nevada.
- NO-11923 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of this 1962 study area:
- 7. Clark and Lincoln Counties, Nevada.
- NO-11924 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of these 1963 study areas:
- 8. Dos Cabezas, Cochise Head, and Tombstone 15' quadrangles, Arizona, and Miller Peak and Pyeatt Ranch 7.5' quadrangles, Arizona.
 - 9. Holy Joe Peak 15' quadrangle, Arizona.
- NO-11925 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of this 1963-1966 study area:
- 10. Logan, Montpelier, and Preston 15' quadrangles, Utah-Idaho, and Bridal Veil Falls, Brigham City, Brighton, Dromedary Peak, Logan, Mount Pisgah, and Springville 7.5' quadrangles, Utah.
- NO-11926 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of these 1963 study areas:
- 10. Logan, Montpelier, and Preston 15' quadrangles, Utah-Idaho, and Bridal Veil Falls, Brigham City, Brighton, Dromedary Peak, Logan, Mount Pisgah, and Springville 7.5' quadrangles, Utah.
 - 11. Bartine Ranch, Bellevue Peak, and Pinto Summit 15' quadrangles, central Nevada.
 - 12. Scattered locations in the Connors Pass, Ely, and McGill 15' quadrangles, Nevada, the Gold Hill 15' quadrangle, Utah, the Kern Mountains and Egan Range, Nevada, and the Deep Creek Range, Utah.
 - 13. Oak City and Scipio North 15' quadrangles, Utah, and the Cove Fort-Kanosh area, Utah.
- NO-11927 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of this 1963-1964 study area:
- 12. Scattered locations in the Connors Pass, Ely, and McGill 15' quadrangles, Nevada, the Gold Hill 15' quadrangle, Utah, the Kern Mountains and Egan Range, Nevada, and the Deep Creek Range, Utah.

- NO-11928 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of these 1963-1964 study areas:
- 14. Glenwood Springs 15' quadrangle, Colorado.
 - 15. Castle Rock, Cover Mountain, Garfield, and Howard 15' quadrangles, Colorado, and Cascade, Copper Mountain, Larkspur, and Phantom Canyon 7.5' quadrangles, Colorado.
- NO-11929 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of these 1963-1965 study areas:
- 16. Dayton 30' quadrangle, Wyoming.
 - 17. Spearfish and Sturgis 15' quadrangles, South Dakota, and Nemo, Pactola Dam, Piedmont, and Rapid City West 7.5' quadrangles, South Dakota.
- NO-11930 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of this 1963 study area:
- 18. Northwestern Arizona, including Grand Canyon National Park, Coconino County, and the Juniper Mountains, Yavapai County.
- NO-11931 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of this 1963-1965 study area:
- 18. Northwestern Arizona, including Grand Canyon National Park, Coconino County, and the Juniper Mountains, Yavapai County.
- NO-11932 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of these 1964 study areas:
- 19. Engle and San Lorenzo 15' quadrangles, New Mexico, and Caballo, Circle Mesa, Garfield, and Silver City 7.5' quadrangles, New Mexico.
 - 20. Hermosa 7.5' quadrangle, Colorado.
- NO-11933 A.T. Miesch. Field notebook with geologic notes and sketches and sample data related to field investigation of these 1965 study areas:
- 20. Hermosa 7.5' quadrangle, Colorado.
 - 21. Donkey Hills and Gilmore 15' quadrangles, Idaho, and Bradbury Flat 7.5' quadrangle, Idaho.
- NO-11934 Envelope with annotated copy of Plate 52 from USGS Bulletin 1072, "Geologic map of Little Rocky Mountains and encircling foothills, Montana", showing Miesch's study area #1.
- NO-11935 Envelope with annotated copy of the Coopers Lake 30' quadrangle, Montana, showing Miesch's study area #2.
- NO-11936 Envelope with maps showing Miesch's study area #3:
- One annotated copy, each, of the Jefferson Island, Manhattan, and Three Forks 15' quadrangles, Montana.

- One annotated copy, each, of the Divide 4 N.E., Divide 4 N.W., and Divide 4 SE 7.5' quadrangles, Montana.
- NO-11937 Envelope with one annotated copy, each, of the Blue Gulch, Boysen, Elkhorn Springs, Guffey Peak, Lewiston Lakes, and Myers Ranch 7.5' quadrangles, Wyoming, showing Miesch's study area #4.
- NO-11938 Envelope with one annotated copy, each, of the Pocatello and Yandell Springs 15' quadrangles, Idaho, showing Miesch's study area #5.
- NO-11939 Envelope with one annotated copy, each, of the Cadiz and Danby 15' quadrangles, California, showing Miesch's study area #6.
- NO-11940 Envelope with maps showing Miesch's study area #7:
- Annotated copy of USGS Mineral Investigations Field Studies Map MF-138, "Geologic map of Clark County, Nevada".
 - Annotated copy of Sheet 1 of USGS Mineral Investigations Field Studies Map MF-206, "Preliminary geologic map of Lincoln County, Nevada".
- NO-11941 Envelope with maps showing Miesch's study area #8:
- One annotated copy, each, of the Dos Cabezas, Cochise Head, and Tombstone 15' quadrangles, Arizona.
 - One annotated copy, each, of the Miller Peak and Pyeatt Ranch 7.5' quadrangles, Arizona.
- NO-11942 Envelope with annotated copy of the Holy Joe Peak 15' quadrangle, Arizona, showing Miesch's study area #9.
- NO-11943 Envelope with maps showing Miesch's study area #10:
- One annotated copy, each, of the Logan, Montpelier, and Preston 15' quadrangles, Utah-Idaho.
 - One annotated copy, each, of the Bridal Veil Falls, Brigham City, Brighton, Dromedary Peak, Logan, Mount Pisgah, and Springville 7.5' quadrangles, Utah.
- NO-11944 Envelope with one annotated copy, each, of the Bartine Ranch, Bellevue Peak, and Pinto Summit 15' quadrangles, Nevada, showing Miesch's study area #11.
- NO-11945 Envelope with maps showing Miesch's study area #12:
- One annotated copy, each, of the Connors Pass, Ely, and McGill 15' quadrangles, Nevada.
 - Annotated copy of the Gold Hill 15' quadrangle, Utah.
 - One annotated copy, each, of the Delta, Ely, and Lund 1 x 2-degree quadrangles, Nevada-Utah.
- NO-11946 Envelope with maps showing Miesch's study area #13:

- One annotated copy, each, of the Oak City and Scipio North 15' quadrangles, Utah.
 - Annotated copy of the Richfield 1 x 2-degree quadrangle, Utah.
- NO-11947 Envelope with annotated copy of the Glenwood Springs 15' quadrangle, Colorado, showing Miesch's study area #14.
- NO-11948 Envelope with maps showing Miesch's study area #15:
- One annotated copy, each, of the Castle Rock, Cover Mountain, and Howard 15' quadrangles, Colorado.
 - One annotated copy, each, of the Cascade, Copper Mountain, Larkspur, and Phantom Canyon 7.5' quadrangles, Colorado.
 - Annotated copy of Plate 1 from USGS Professional paper 289, "Geologic map and sections of the Garfield quadrangle, Gunnison and Chaffee Counties, Colorado".
- NO-11949 Envelope with annotated copy of the Dayton 30' quadrangle, Wyoming, showing Miesch's study area #16.
- NO-11950 Envelope with maps showing Miesch's study area #17:
- One annotated copy, each, of the Spearfish and Sturgis 15' quadrangles, South Dakota.
 - One annotated copy, each, of the, and Nemo, Pactola Dam, Piedmont, and Rapid City West 7.5' quadrangles, South Dakota.
- NO-11951 Envelope with maps showing Miesch's study area #18:
- Annotated copy of the Camp Wood 15' quadrangle, Arizona.
 - Annotated copy of the Williams 1 x 2-degree quadrangle, Arizona.
 - Annotated copy of the USGS 1:48,000-scale "Topographic map of the Grand Canyon National Park, Arizona (east half)". 1927 edition.
- NO-11952 Envelope with maps showing Miesch's study area #19:
- One annotated copy, each, of the Engle and San Lorenzo 15' quadrangles, New Mexico.
 - One annotated copy, each, of the Caballo, Circle Mesa, Garfield, and Silver City 7.5' quadrangles, New Mexico.
- NO-11953 Envelope with annotated copy of the Hermosa 7.5' quadrangle, Colorado, showing Miesch's study area #20.
- NO-11954 Envelope with maps showing Miesch's study area #21:
- One annotated copy, each, of the Donkey Hills and Gilmore 15' quadrangles, Idaho.
 - Annotated copy of the Bradbury Flat 7.5' quadrangle, Idaho.

Published as: U.S. Geological Survey. Open-file report 90-617. 1990.