



CONTACT INFORMATION  
Mining Records Curator  
Arizona Geological Survey  
3550 N. Central Ave, 2nd floor  
Phoenix, AZ, 85012  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

The following file is part of the Walter E. Heinrichs, Jr. Mining Collection

#### **ACCESS STATEMENT**

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

#### **CONSTRAINTS STATEMENT**

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

#### **QUALITY STATEMENT**

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

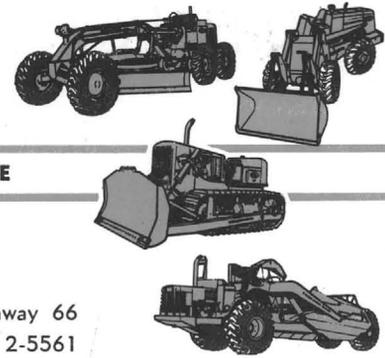
# Chiles Tractor and Machinery Company

ROAD AND CONSTRUCTION MACHINERY—SALES AND SERVICE



- ALLIS-CHALMERS
- INSLEY CRANES
- JOY COMPRESSORS
- GORMAN-RUPP PUMPS
- LIMA SHOVELS & PUMPS

3131 West Highway 66  
Phone Area Code 417 UN 2-5561  
SPRINGFIELD, MISSOURI 65802



September 30, 1967

Heinrich's Geoexploration Company  
806 W. Grant Road  
Tucson, Arizona 85703

ATTENTION: John McDonnell

Dear Sir:

We wish to acknowledge receipt of your letter of September 22 confirming your recommendations that you gave to us orally on September 16 regarding our copper prospect in Graham County, Arizona. In comparing your recommendations with two other geologists that inspected the same area, we have decided to core drill the prospect rather than investing in any geophysics. We feel that using your method of induced polarization would be of a negative value only and our money would be better invested in additional drill footage. Since your company has been highly recommended to us we would appreciate your quoting us a price on the services of a geologist to check our operations while drilling is in process and to analyze the cores.

We have also received your statement of services dated September 26 in the amount of \$201.00. It was our understanding with your firm that your services of last September 16 would be for a flat fee of \$100.00 which we paid in advance since you had no prior credit relations with us. The writer confirmed this in a hand-written letter along with the \$100.00 fee and this was mailed to you on September 14. Also, we



Heinrich's Geoexploration Company  
ATTENTION: John McDonnell  
September 30, 1967  
Page 2

would like to remind you of our conversation at the Tucson airport when we were preparing to board our plane. At that time I asked you if there were any further charges and you confirmed my conversation that there were none, therefore, we would appreciate it if you would contact your office manager and straighten him out on the services.

Sincerely yours,

CHILES TRACTOR & MACHINERY COMPANY



R. H. Chiles, President

RHC:be

September 22, 1967

Mr. Richard Chiles  
Chiles Tractor and Machinery Company  
Springfield, Missouri

Dear Mr. Chiles:

This letter report is done as a follow up of a preliminary geologic field investigation on July 16, 1967, of your claim group east of U.S. 666 and about three miles north of the Graham-Cochise County, Arizona, lines. The group is included in Sections 13, 14, 23, and 24 of Township 11 south, Range 26 east.

The area investigated has some interesting but not yet definite possibilities. Most of the area is of fractured granite and andesites with little or no indication of possible copper mineralization. Some earlier prospects were dug on brecciated material, probably andesite. These were done probably in hopes of uncovering veins. Iron oxide stringers and a well defined fracture system trending N45W as well as brecciated zones show some possibility of mineralization at depth. Ore minerals are commonly deposited in fractured rock, along faults, and in brecciated ground.

The area containing newer, shallow prospect shafts over which we spent most of our time indicate a possibility of better mineralization or at least that some copper bearing fluids migrated through the area.

The eastern most shaft is in a fault striking close to due north and dipping about 60°W. The hanging wall is highly fractured, with copper oxide (malachite) mineralization in the fracture.

The second shaft from the west, which is flooded, shows copper staining on a porphyritic granite, which reportedly is expanding at the bottom of the shaft. No. 1 prospect, west of the above shows only a slight amount of copper oxide staining in a few fractures. Some twenty feet to the northwest along the strike direction from this is a trench with no copper mineralization noted. Fifteen to twenty feet to the east of pit No. 2 is a shallow pit with the dominant fracture direction N30°W and a secondary fracture direction N35E.

Some eighty feet east of No. 2 prospect is a pit with a little show of copper oxide minerals.

Further to the east of the primary area of interest are fractures striking N25°W, dipping vertically to 60°E and N80°E, dipping N60°S.

#### RECOMMENDATION

At least one line of induced polarization should be run with a 500 foot dipole spacing in a east-west direction. A second line is strongly recommended to help define the shape of any possible target. A third line, if run, might pick up sulfide not detected by either or both of the first lines.

An estimate of total cost per line is \$620.00 based on the enclosed price list.

Cost for two lines would be about \$1,200.00 and cost for three lines would be approximately prorated accordingly.

No definite time can be set up, but we estimate approximately three weeks notice would be needed to schedule a crew. Please let us know whether or not you wish us to do this work. We can

Mr. Richard Chiles

Page 3

September 22, 1967

then have a more accurate and itimized cost estimate drawn up based on the number of lines.

The primary purpose for an induced polarization survey is to determine if sulfides are present at depth. If sulfides are indicated distributed over a reasonable area, then you would have a good drill target for a possible economic deposit.

If there are any questions, or we can help you further in any way, please let us know.

Respectfully submitted,

HEINRICHS GEOEXPLORATION COMPANY

John McDonnell  
Geologist

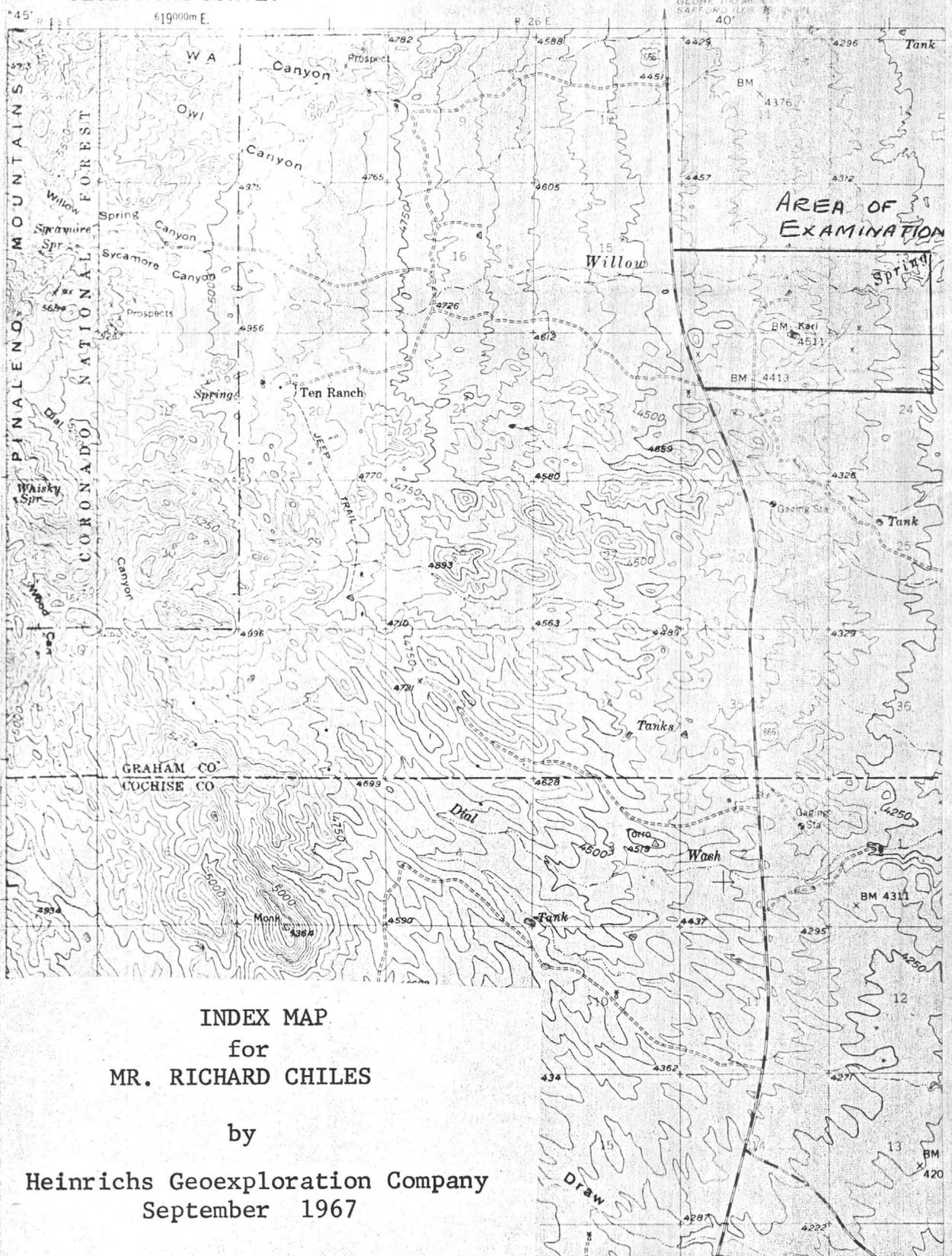
APPROVED: \_\_\_\_\_

E. Grover Heinrichs  
Vice President

JMCD: jc

cc: Mr. W. R. Gibson  
Route 1  
Lee's Summit, Missouri

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



INDEX MAP  
for  
MR. RICHARD CHILES

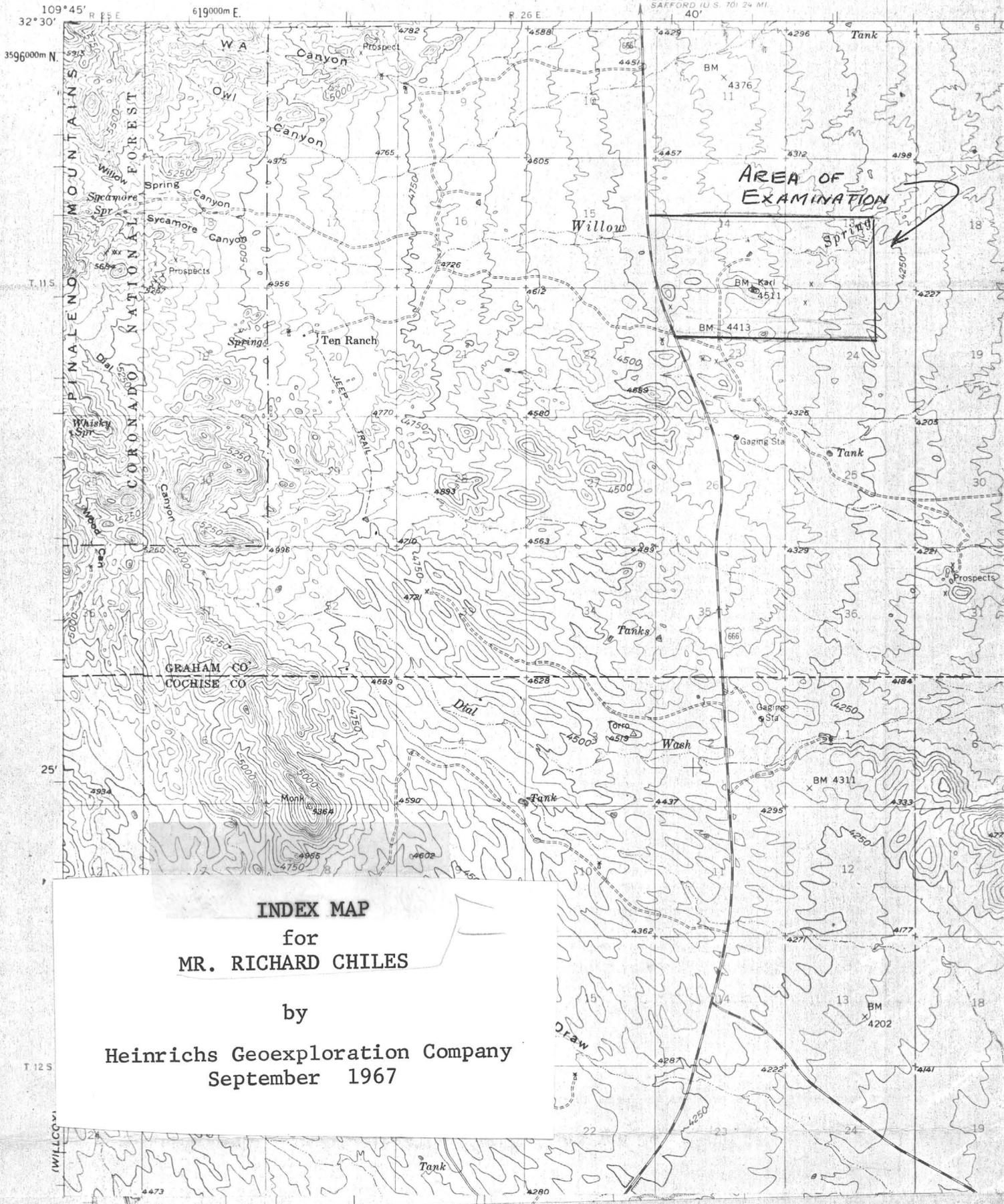
by

Heinrichs Geoexploration Company  
September 1967

(MT GRAHAM)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

GLOBE 100 MI  
SAFFORD U.S. 701 24 MI



**INDEX MAP**  
for  
**MR. RICHARD CHILES**

by  
**Heinrichs Geoporation Company**  
September 1967

T 12 S

(WILCOX)